

# **CRESTONE PEAK RESOURCES**

**WELD COUNTY**

**SEC 22-T1N-R68W**

**COSSLETT EAST 1H-22H-H168**

**OWB**

**PROPOSAL 1**

## **Anticollision Report**

**01 March, 2022**

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Reference</b>	PROPOSAL 1		
<b>Filter type:</b>	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
<b>Interpolation Method:</b>	Stations	<b>Error Model:</b>	ISCWSA
<b>Depth Range:</b>	Unlimited	<b>Scan Method:</b>	Closest Approach 3D
<b>Results Limited by:</b>	Maximum center-center distance of 10,000.00 usft	<b>Error Surface:</b>	Pedal Curve
<b>Warning Levels Evaluated at:</b>	2.00 Sigma	<b>Casing Method:</b>	Not applied

<b>Survey Tool Program</b>	<b>Date</b>	3/1/2022		
<b>From (usft)</b>	<b>To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
0.00	19,021.79	PROPOSAL 1 (OWB)	MWD OWSG	OWSG MWD - Standard

<b>Summary</b>						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
SEC 22-T1N-R68W						
ABND VERT COSSLETT B UNIT 1 - OWB - Design #1	1,894.84	1,845.50	132.00	92.98	3.383	CC
ABND VERT COSSLETT B UNIT 1 - OWB - Design #1	1,900.00	1,850.21	132.01	92.88	3.374	ES, SF
ABND VERT COSSLETT B UNIT 1X - OWB - Design #1	1,371.49	1,351.36	250.25	222.79	9.115	CC
ABND VERT COSSLETT B UNIT 1X - OWB - Design #1	1,500.00	1,475.64	252.37	222.15	8.352	ES
ABND VERT COSSLETT B UNIT 1X - OWB - Design #1	1,800.00	1,759.17	282.12	245.47	7.696	SF
COSSLETT EAST 1B-22H-H168 - OWB - PROPOSAL 1	700.00	701.00	59.92	55.35	13.101	CC, ES
COSSLETT EAST 1B-22H-H168 - OWB - PROPOSAL 1	19,021.79	18,446.94	2,023.84	1,697.18	6.196	SF
COSSLETT EAST 1C-22H-H168 - OWB - PROPOSAL 1	700.00	701.00	50.12	45.55	10.958	CC, ES
COSSLETT EAST 1C-22H-H168 - OWB - PROPOSAL 1	19,021.79	18,419.16	1,692.71	1,366.48	5.189	SF
COSSLETT EAST 1D-22H-H168 - OWB - PROPOSAL 1	700.00	701.00	40.04	35.47	8.754	CC, ES
COSSLETT EAST 1D-22H-H168 - OWB - PROPOSAL 1	19,021.79	18,452.98	1,339.70	1,014.77	4.123	SF
COSSLETT EAST 1E-22H-H168 - OWB - PROPOSAL 1	700.00	701.00	29.96	25.39	6.550	CC, ES
COSSLETT EAST 1E-22H-H168 - OWB - PROPOSAL 1	19,021.79	18,793.31	1,018.30	692.55	3.126	SF
COSSLETT EAST 1F-22H-H168 - OWB - PROPOSAL 1	700.00	701.00	20.16	15.59	4.408	CC, ES
COSSLETT EAST 1F-22H-H168 - OWB - PROPOSAL 1	19,021.79	18,708.57	670.11	345.88	2.067	SF
COSSLETT EAST 1G-22H-H168 - OWB - PROPOSAL 1	700.00	700.00	10.09	5.52	2.207	CC, ES
COSSLETT EAST 1G-22H-H168 - OWB - PROPOSAL 1	19,021.79	18,940.79	364.12	38.74	1.119	Level 2, SF
COSSLETT EAST 1I-22H-H168 - OWB - PROPOSAL 1	600.00	600.00	9.80	5.95	2.543	CC, ES
COSSLETT EAST 1I-22H-H168 - OWB - PROPOSAL 1	8,400.00	8,371.76	168.93	29.55	1.212	Level 2, SF
COSSLETT EAST 1J-22H-H168 - OWB - PROPOSAL 1	500.00	499.00	19.88	16.75	6.345	CC, ES
COSSLETT EAST 1J-22H-H168 - OWB - PROPOSAL 1	19,021.79	19,433.28	677.28	359.54	2.132	SF
COSSLETT EAST 1K-22H-H168 - OWB - PROPOSAL 1	400.00	399.00	29.96	27.54	12.400	CC, ES
COSSLETT EAST 1K-22H-H168 - OWB - PROPOSAL 1	19,021.79	19,518.56	989.58	664.11	3.040	SF
COSSLETT EAST 1L-22H-H168 - OWB - PROPOSAL 1	300.00	299.00	40.04	38.34	23.565	CC, ES
COSSLETT EAST 1L-22H-H168 - OWB - PROPOSAL 1	19,021.79	19,895.09	1,361.20	1,045.36	4.310	SF
COSSLETT EAST 1M-22H-H168 - OWB - PROPOSAL 1	200.00	199.00	49.84	48.86	50.743	CC, ES
COSSLETT EAST 1M-22H-H168 - OWB - PROPOSAL 1	19,021.79	19,803.22	1,696.09	1,368.14	5.172	SF
COSSLETT EAST 1N-22H-H168 - OWB - PROPOSAL 1	100.00	99.00	59.92	59.65	223.998	CC, ES
COSSLETT EAST 1N-22H-H168 - OWB - PROPOSAL 1	19,021.79	20,184.95	2,051.96	1,728.12	6.336	SF
COSSLETT EAST FED 1A-22H-H168 - OWB - PROPOS	700.00	701.00	70.28	65.71	15.366	CC, ES
COSSLETT EAST FED 1A-22H-H168 - OWB - PROPOS	19,021.79	18,144.41	2,329.55	2,004.21	7.160	SF
EXIST HZ COMO 13N-14HZ - OWB - FINAL SURVEY	8,056.38	16,193.61	1,592.28	1,406.69	8.580	CC
EXIST HZ COMO 13N-14HZ - OWB - FINAL SURVEY	8,100.00	16,179.65	1,592.89	1,405.14	8.484	ES
EXIST HZ COMO 13N-14HZ - OWB - FINAL SURVEY	8,450.00	16,110.59	1,638.52	1,436.91	8.127	SF
EXIST HZ COMO 34N-14HZ - OWB - FINAL SURVEY	7,802.18	16,659.00	2,176.72	1,990.88	11.713	CC
EXIST HZ COMO 34N-14HZ - OWB - FINAL SURVEY	7,900.00	16,659.00	2,178.92	1,989.58	11.508	ES
EXIST HZ COMO 34N-14HZ - OWB - FINAL SURVEY	8,350.00	16,566.70	2,242.67	2,040.33	11.084	SF

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
SEC 22-T1N-R68W						
EXIST HZ COMO13C-14HZ - OWB - FINAL SURVEY	7,997.61	16,530.00	2,065.46	1,881.20	11.209	CC
EXIST HZ COMO13C-14HZ - OWB - FINAL SURVEY	8,100.00	16,530.00	2,067.99	1,880.01	11.001	ES
EXIST HZ COMO13C-14HZ - OWB - FINAL SURVEY	8,650.00	16,530.00	2,159.16	1,955.29	10.591	SF
EXIST HZ COSSLETT 1A-22H-B168 - OWB - FINAL SU	0.00	0.00	1,361.71			
EXIST HZ COSSLETT 1A-22H-B168 - OWB - FINAL SU	200.00	179.66	1,362.31	1,361.53	1,757.686	ES
EXIST HZ COSSLETT 1A-22H-B168 - OWB - FINAL SU	19,021.79	17,546.00	5,391.88	5,059.66	16.230	SF
EXIST HZ COSSLETT 1B-22H-B168 - OWB - FINAL SU	542.50	537.17	1,351.50	1,348.15	403.410	CC, ES
EXIST HZ COSSLETT 1B-22H-B168 - OWB - FINAL SU	19,021.79	17,340.00	5,132.25	4,799.91	15.443	SF
EXIST HZ COSSLETT 1C-22H-B168 - OWB - FINAL SU	290.45	280.45	1,345.06	1,343.59	919.390	CC
EXIST HZ COSSLETT 1C-22H-B168 - OWB - FINAL SU	600.00	584.07	1,345.59	1,341.95	369.694	ES
EXIST HZ COSSLETT 1C-22H-B168 - OWB - FINAL SU	19,021.79	17,471.00	5,038.00	4,705.17	15.137	SF
EXIST HZ COSSLETT 1D-22H-B168 - OWB - FINAL SU	100.00	88.99	1,337.36	1,337.08	4,735.916	CC
EXIST HZ COSSLETT 1D-22H-B168 - OWB - FINAL SU	400.00	382.86	1,338.04	1,336.07	678.855	ES
EXIST HZ COSSLETT 1D-22H-B168 - OWB - FINAL SU	19,021.79	17,423.62	4,675.92	4,345.84	14.166	SF
EXIST HZ COSSLETT 1E-22H-B168 - OWB - FINAL SU	622.53	617.08	1,297.40	1,294.85	509.788	CC
EXIST HZ COSSLETT 1E-22H-B168 - OWB - FINAL SU	700.00	679.58	1,297.78	1,294.69	420.239	ES
EXIST HZ COSSLETT 1E-22H-B168 - OWB - FINAL SU	19,021.79	17,336.67	4,398.94	4,070.87	13.408	SF
EXIST HZ COSSLETT 1F-22H-B168 - OWB - FINAL SU	100.00	89.50	1,320.88	1,320.61	4,738.510	CC
EXIST HZ COSSLETT 1F-22H-B168 - OWB - FINAL SU	400.00	380.17	1,321.65	1,319.54	624.640	ES
EXIST HZ COSSLETT 1F-22H-B168 - OWB - FINAL SU	19,021.79	17,796.00	4,260.29	3,926.75	12.773	SF
EXIST HZ COSSLETT 1G-22H-B168 - OWB - FINAL SU	100.00	88.74	1,313.02	1,312.74	4,655.335	CC
EXIST HZ COSSLETT 1G-22H-B168 - OWB - FINAL SU	700.00	683.54	1,314.76	1,310.67	321.489	ES
EXIST HZ COSSLETT 1G-22H-B168 - OWB - FINAL SU	19,021.79	17,487.00	4,160.13	3,827.30	12.499	SF
EXIST HZ COSSLETT 1H-22H-B168 - OWB - FINAL SU	329.31	318.31	1,304.36	1,302.57	729.127	CC
EXIST HZ COSSLETT 1H-22H-B168 - OWB - FINAL SU	500.00	477.15	1,305.14	1,302.18	441.853	ES
EXIST HZ COSSLETT 1H-22H-B168 - OWB - FINAL SU	19,021.79	17,342.07	3,797.43	3,478.57	11.909	SF
EXIST HZ COSSLETT 1I-22H-B168 - OWB - FINAL SUR	1,130.51	1,201.24	1,287.93	1,280.32	169.096	CC
EXIST HZ COSSLETT 1I-22H-B168 - OWB - FINAL SUR	1,200.00	1,261.96	1,288.43	1,280.28	157.934	ES
EXIST HZ COSSLETT 1I-22H-B168 - OWB - FINAL SUR	19,021.79	17,583.00	3,464.06	3,131.60	10.419	SF
EXIST HZ COSSLETT 1J-22H-B168 - OWB - FINAL SUR	1,149.32	1,220.60	1,272.35	1,264.50	162.183	CC
EXIST HZ COSSLETT 1J-22H-B168 - OWB - FINAL SUR	1,400.00	1,507.02	1,273.40	1,263.01	122.651	ES
EXIST HZ COSSLETT 1J-22H-B168 - OWB - FINAL SUR	19,021.79	17,604.82	3,259.97	2,929.29	9.858	SF
EXIST HZ COSSLETT 1K-22H-B168 - OWB - FINAL SU	1,540.54	1,672.13	1,252.67	1,240.54	103.303	CC, ES
EXIST HZ COSSLETT 1K-22H-B168 - OWB - FINAL SU	18,900.00	17,451.57	3,125.45	2,809.95	9.906	SF
EXIST HZ COSSLETT 1L-22H-B168 - OWB - FINAL SU	1,588.03	1,723.00	1,229.97	1,216.87	93.898	CC
EXIST HZ COSSLETT 1L-22H-B168 - OWB - FINAL SU	2,000.00	2,180.15	1,232.38	1,213.73	66.088	ES
EXIST HZ COSSLETT 1L-22H-B168 - OWB - FINAL SU	19,021.79	17,814.91	2,928.53	2,595.19	8.785	SF
EXIST HZ COSSLETT 32-22 - OWB - FINAL SURVEY	524.72	516.89	235.16	231.91	72.244	CC
EXIST HZ COSSLETT 32-22 - OWB - FINAL SURVEY	600.00	589.81	235.64	231.82	61.646	ES
EXIST HZ COSSLETT 32-22 - OWB - FINAL SURVEY	1,300.00	1,254.51	337.06	327.81	36.443	SF
EXIST HZ COSSLETT 4-0-22 - OWB - FINAL SURVEY	0.00	0.00	262.01			
EXIST HZ COSSLETT 4-0-22 - OWB - FINAL SURVEY	100.00	89.53	262.11	261.83	933.385	ES
EXIST HZ COSSLETT 4-0-22 - OWB - FINAL SURVEY	5,800.00	5,800.00	3,424.45	3,362.39	55.178	SF
EXIST HZ COSSLETT 41-22 - OWB - FINAL SURVEY	100.00	90.23	251.73	251.45	895.508	CC
EXIST HZ COSSLETT 41-22 - OWB - FINAL SURVEY	200.00	188.64	252.29	251.39	280.765	ES
EXIST HZ COSSLETT 41-22 - OWB - FINAL SURVEY	2,700.00	2,581.06	595.13	568.96	22.740	SF
EXIST HZ COSSLETT 42-22 - OWB - FINAL SURVEY	1,565.24	1,577.77	55.86	44.70	5.008	CC, ES
EXIST HZ COSSLETT 42-22 - OWB - FINAL SURVEY	1,600.00	1,610.71	57.10	45.51	4.927	SF
EXIST HZ COSSLETT 6-0-22 - OWB - FINAL SURVEY	160.30	152.40	257.00	256.40	428.808	CC
EXIST HZ COSSLETT 6-0-22 - OWB - FINAL SURVEY	200.00	188.80	257.19	256.29	287.092	ES
EXIST HZ COSSLETT 6-0-22 - OWB - FINAL SURVEY	3,200.00	2,919.67	1,145.33	1,112.91	35.333	SF
EXIST HZ COSSLETT 6-4-22 - OWB - FINAL SURVEY	1,142.12	1,162.99	143.57	135.06	16.873	CC, ES
EXIST HZ COSSLETT 6-4-22 - OWB - FINAL SURVEY	1,300.00	1,308.98	159.44	149.41	15.892	SF

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
SEC 22-T1N-R68W						
EXIST HZ COSSLETT 8-2-22 - OWB - FINAL SURVEY	2,411.83	2,370.89	76.19	52.97	3.280	CC, ES, SF
EXIST HZ FRONT RANGE FARMS 15C-14HZ - OWB - F	9,000.00	15,353.00	884.46	734.71	5.906	SF
EXIST HZ FRONT RANGE FARMS 15C-14HZ - OWB - F	9,072.00	15,353.00	877.63	730.07	5.948	CC, ES
EXIST HZ FRONT RANGE FARMS 15N-14HZ - OWB - F	9,000.00	15,243.00	1,154.09	985.92	6.862	SF
EXIST HZ FRONT RANGE FARMS 15N-14HZ - OWB - F	9,050.00	15,243.00	1,148.29	981.73	6.894	ES
EXIST HZ FRONT RANGE FARMS 15N-14HZ - OWB - F	9,079.58	15,243.00	1,147.36	981.75	6.928	CC
EXIST HZ FRONT RANGE FARMS 36N-14HZ - OWB - F	8,949.50	15,134.00	321.09	195.72	2.561	CC
EXIST HZ FRONT RANGE FARMS 36N-14HZ - OWB - F	8,950.00	15,134.00	321.09	195.70	2.561	ES, SF
EXIST HZ FRONT RANGE FARMS 37C-14HZ - OWB - F	8,950.00	15,352.00	1,748.99	1,577.29	10.186	SF
EXIST HZ FRONT RANGE FARMS 37C-14HZ - OWB - F	9,100.00	15,352.00	1,721.14	1,553.79	10.285	ES
EXIST HZ FRONT RANGE FARMS 37C-14HZ - OWB - F	9,127.69	15,352.00	1,720.43	1,553.93	10.333	CC
EXIST HZ RANCHVIEW 28C-11HZ - OWB - FINAL SUR	9,280.16	7,667.67	263.55	188.90	3.531	CC
EXIST HZ RANCHVIEW 28C-11HZ - OWB - FINAL SUR	9,303.98	7,658.90	264.18	186.92	3.419	ES
EXIST HZ RANCHVIEW 28C-11HZ - OWB - FINAL SUR	9,400.00	7,629.00	283.86	194.65	3.182	SF
EXIST HZ RANCHVIEW 3C-11HZ - OWB - FINAL SURV	6,686.46	5,835.65	88.03	-1.76	0.980	Level 1, CC, ES, SF
EXIST HZ RANCHVIEW 3N-11HZ - OWB - FINAL SURV	7,082.02	6,105.71	223.34	130.13	2.396	CC, ES
EXIST HZ RANCHVIEW 3N-11HZ - OWB - FINAL SURV	7,100.00	6,118.60	223.70	130.16	2.392	SF
EXIST HZ STIPANOVICH 8-0-27 - OWB - FINAL SURVE	14,245.77	7,721.75	2,790.31	2,678.19	24.888	CC, ES
EXIST HZ STIPANOVICH 8-0-27 - OWB - FINAL SURVE	14,500.00	7,719.12	2,801.86	2,688.66	24.751	SF
EXIST HZ STIPANOVICH 8-2-27 - OWB - FINAL SURVE	15,526.84	7,824.18	2,781.02	2,644.83	20.420	CC, ES, SF

# Anticollision Report

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<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
SEC 23-T1N-R68W						
ABND VERT HELEN E UNIT 2 - OWB - FINAL SURVEY	12,711.01	7,596.39	1,798.52	1,709.36	20.172	CC, ES
ABND VERT HELEN E UNIT 2 - OWB - FINAL SURVEY	12,800.00	7,594.90	1,800.72	1,711.39	20.156	SF
EXIST HZ BURY CRANDELL 0-0-23 - OWB - FINAL SU	4,524.47	3,953.94	624.51	571.92	11.873	CC, ES
EXIST HZ BURY CRANDELL 0-0-23 - OWB - FINAL SU	4,700.00	4,090.70	635.23	580.00	11.503	SF
EXIST HZ BURY CRANDELL 12-23 - OWB - FINAL SUR	4,945.16	5,068.29	1,389.65	1,329.81	23.221	CC
EXIST HZ BURY CRANDELL 12-23 - OWB - FINAL SUR	5,000.00	5,100.96	1,390.20	1,329.73	22.989	ES
EXIST HZ BURY CRANDELL 12-23 - OWB - FINAL SUR	5,500.00	5,388.40	1,445.46	1,379.96	22.069	SF
EXIST HZ BURY CRANDELL 21-23 - OWB - FINAL SUR	7,224.34	6,320.84	402.57	302.90	4.039	CC, ES
EXIST HZ BURY CRANDELL 21-23 - OWB - FINAL SUR	7,300.00	6,379.99	405.17	304.71	4.033	SF
EXIST HZ BURY CRANDELL 22-23 - OWB - FINAL SUR	10,736.78	7,764.03	881.04	805.32	11.635	CC, ES
EXIST HZ BURY CRANDELL 22-23 - OWB - FINAL SUR	11,000.00	7,764.37	919.52	838.32	11.324	SF
EXIST HZ BURY CRANDELL 31-23 - OWB - FINAL SUR	9,150.00	7,648.52	676.82	585.76	7.433	SF
EXIST HZ BURY CRANDELL 31-23 - OWB - FINAL SUR	9,303.98	7,665.60	630.05	550.73	7.944	ES
EXIST HZ BURY CRANDELL 31-23 - OWB - FINAL SUR	9,382.75	7,665.86	625.10	551.58	8.503	CC
EXIST HZ BURY CRANDELL 42-23 - OWB - FINAL SUR	10,793.79	7,670.28	1,985.84	1,909.87	26.141	CC, ES
EXIST HZ BURY CRANDELL 42-23 - OWB - FINAL SUR	12,000.00	7,682.52	2,323.43	2,224.77	23.550	SF
EXIST HZ BURY CRANDELL 6-0-23 - OWB - FINAL SU	8,800.00	7,511.23	1,198.02	1,117.04	14.795	SF
EXIST HZ BURY CRANDELL 6-0-23 - OWB - FINAL SU	9,100.00	7,647.18	1,121.77	1,050.60	15.761	ES
EXIST HZ BURY CRANDELL 6-0-23 - OWB - FINAL SU	9,109.16	7,649.65	1,121.69	1,050.77	15.815	CC
EXIST HZ BURY CRANDELL 8-0-23 - OWB - FINAL SU	8,750.00	7,506.91	2,592.86	2,511.76	31.968	SF
EXIST HZ BURY CRANDELL 8-0-23 - OWB - FINAL SU	9,150.00	7,690.13	2,486.64	2,413.95	34.208	ES
EXIST HZ BURY CRANDELL 8-0-23 - OWB - FINAL SU	9,174.33	7,695.28	2,486.24	2,414.07	34.448	CC
EXIST HZ BURY CRANDELL 8-2-23 - OWB - FINAL SU	9,050.00	7,600.65	2,704.67	2,610.59	28.748	SF
EXIST HZ BURY CRANDELL 8-2-23 - OWB - FINAL SU	10,100.00	7,649.31	2,462.21	2,391.43	34.785	ES
EXIST HZ BURY CRANDELL 8-2-23 - OWB - FINAL SU	10,109.50	7,649.37	2,462.20	2,391.51	34.835	CC
EXIST HZ BURY CRANDELL 8-4-23 - OWB - FINAL SU	11,412.37	7,789.73	2,423.59	2,335.37	27.472	CC, ES
EXIST HZ BURY CRANDELL 8-4-23 - OWB - FINAL SU	12,800.00	7,823.16	2,792.50	2,674.19	23.602	SF
EXIST HZ CURY CRANDELL 32-23 - OWB - FINAL SUR	10,600.00	7,744.34	514.15	417.67	5.329	SF
EXIST HZ CURY CRANDELL 32-23 - OWB - FINAL SUR	10,800.00	7,745.06	454.80	375.01	5.700	ES
EXIST HZ CURY CRANDELL 32-23 - OWB - FINAL SUR	10,843.78	7,745.22	452.69	375.23	5.844	CC
EXIST HZ HELEN 0-4-23 - OWB - FINAL SURVEY	4,070.66	4,410.28	2,013.00	1,963.99	41.072	CC
EXIST HZ HELEN 0-4-23 - OWB - FINAL SURVEY	4,100.00	4,429.60	2,013.11	1,963.66	40.710	ES
EXIST HZ HELEN 0-4-23 - OWB - FINAL SURVEY	12,100.00	7,834.60	2,698.86	2,612.98	31.424	SF
EXIST HZ HELEN 14-23 - OWB - FINAL SURVEY	13,661.59	7,739.22	1,964.08	1,856.89	18.323	CC, ES
EXIST HZ HELEN 14-23 - OWB - FINAL SURVEY	13,700.00	7,739.29	1,964.45	1,857.22	18.319	SF
EXIST HZ HELEN 4-6-23 - OWB - FINAL SURVEY	12,800.00	7,679.17	88.38	-13.44	0.868	Level 1, ES
EXIST HZ HELEN 4-6-23 - OWB - FINAL SURVEY	12,834.58	7,678.25	81.33	-12.41	0.868	Level 1, CC, SF
EXIST HZ HELEN 8-8-23 - OWB - FINAL SURVEY	14,046.10	7,890.84	2,415.87	2,304.89	21.767	CC
EXIST HZ HELEN 8-8-23 - OWB - FINAL SURVEY	14,100.00	7,890.75	2,416.48	2,303.83	21.451	ES
EXIST HZ HELEN 8-8-23 - OWB - FINAL SURVEY	15,200.00	7,888.10	2,677.30	2,532.72	18.518	SF
EXIST VERT BURY CRANDELL C UNIT 1 - OWB - Desi	9,303.98	7,541.00	1,637.11	1,444.83	8.514	SF
EXIST VERT BURY CRANDELL C UNIT 1 - OWB - Desi	9,800.00	7,541.00	1,547.67	1,372.61	8.841	ES
EXIST VERT BURY CRANDELL C UNIT 1 - OWB - Desi	9,839.10	7,541.00	1,547.18	1,373.11	8.888	CC
EXIST VERT HELEN 23-23 - OWB - Design #1	12,058.24	7,572.00	893.66	707.88	4.810	CC, ES, SF
EXIST VERT HELEN 33-23 - OWB - Design #1	12,050.07	7,607.00	397.20	210.92	2.132	CC, ES
EXIST VERT HELEN 33-23 - OWB - Design #1	12,100.00	7,607.00	400.33	211.61	2.121	SF
EXIST VERT HELEN 34-23 - OWB - Design #1	13,670.15	7,584.00	682.97	476.04	3.301	CC
EXIST VERT HELEN 34-23 - OWB - Design #1	13,700.00	7,584.00	683.62	475.05	3.278	ES
EXIST VERT HELEN 34-23 - OWB - Design #1	13,800.00	7,584.00	695.20	481.18	3.248	SF
EXIST VERT HELEN 43-23 - OWB - Design #1	12,190.02	7,576.00	2,013.43	1,826.12	10.749	CC
EXIST VERT HELEN 43-23 - OWB - Design #1	12,200.00	7,576.00	2,013.45	1,825.97	10.739	ES
EXIST VERT HELEN 43-23 - OWB - Design #1	12,800.00	7,576.00	2,103.80	1,902.08	10.430	SF
EXIST VERT HELEN E UNIT 1 - OWB - Design #1	13,117.82	7,582.00	1,519.71	1,320.61	7.633	CC

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
SEC 23-T1N-R68W						
EXIST VERT HELEN E UNIT 1 - OWB - Design #1	13,200.00	7,582.00	1,521.93	1,320.39	7.552	ES
EXIST VERT HELEN E UNIT 1 - OWB - Design #1	13,500.00	7,582.00	1,567.03	1,356.09	7.429	SF



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
SEC 26-T1N-R68W						
ABND VERT ALAUX 1 - OWB - Design #1	14,856.16	5,050.00	2,657.41	2,565.54	28.926	CC
ABND VERT ALAUX 1 - OWB - Design #1	14,900.00	5,050.00	2,657.77	2,565.49	28.800	ES
ABND VERT ALAUX 1 - OWB - Design #1	16,500.00	5,050.00	3,124.74	2,995.32	24.144	SF
ABND VERT ALAUX 2 - OWB - Design #1	14,860.72	5,450.00	2,977.19	2,841.66	21.966	CC, ES
ABND VERT ALAUX 2 - OWB - Design #1	15,400.00	5,450.00	3,025.64	2,886.32	21.717	SF
ABND VERT ALAUX F UNIT 1 - OWB - FINAL SURVEY	15,100.00	7,618.42	1,816.90	1,692.29	14.580	SF
ABND VERT ALAUX F UNIT 1 - OWB - FINAL SURVEY	15,123.05	7,618.39	1,816.76	1,692.22	14.588	CC, ES
ABND VERT CRANDELL E UNIT 1 - OWB - Design #1	17,700.00	7,647.00	1,722.57	1,447.72	6.267	SF
ABND VERT CRANDELL E UNIT 1 - OWB - Design #1	17,800.00	7,647.00	1,719.53	1,445.23	6.269	ES
ABND VERT CRANDELL E UNIT 1 - OWB - Design #1	17,802.31	7,647.00	1,719.53	1,445.25	6.269	CC
ABND VERT GOLTL 1 - OWB - Design #1	17,473.54	5,042.00	3,156.46	2,986.80	18.604	CC
ABND VERT GOLTL 1 - OWB - Design #1	17,500.00	5,042.00	3,156.57	2,986.30	18.538	ES
ABND VERT GOLTL 1 - OWB - Design #1	18,600.00	5,042.00	3,351.44	3,156.45	17.187	SF
ABND VERT GOLTL 2 - OWB - Design #1	18,792.27	5,020.00	3,173.81	2,989.70	17.239	CC
ABND VERT GOLTL 2 - OWB - Design #1	18,900.00	5,020.00	3,175.64	2,988.98	17.014	ES
ABND VERT GOLTL 2 - OWB - Design #1	19,021.79	5,020.00	3,182.10	2,992.57	16.789	SF
ABND VERT JL SEARS 1 - OWB - Design #1	16,188.94	5,125.00	3,218.73	3,077.05	22.718	CC
ABND VERT JL SEARS 1 - OWB - Design #1	16,200.00	5,125.00	3,218.75	3,077.01	22.710	ES
ABND VERT JL SEARS 1 - OWB - Design #1	16,700.00	5,125.00	3,259.05	3,114.30	22.515	SF
ABND VERT JL SEARS 2 - OWB - Design #1	16,155.95	5,148.00	2,559.44	2,455.07	24.524	CC, ES
ABND VERT JL SEARS 2 - OWB - Design #1	17,600.00	5,148.00	2,938.71	2,804.15	21.840	SF
ABND VERT MANN 1 - OWB - Design #1	17,456.72	5,050.00	2,613.82	2,494.28	21.866	CC
ABND VERT MANN 1 - OWB - Design #1	17,500.00	5,050.00	2,614.18	2,493.85	21.724	ES
ABND VERT MANN 1 - OWB - Design #1	18,800.00	5,050.00	2,938.79	2,781.03	18.628	SF
ABND VERT MANN 2 - OWB - Design #1	18,796.97	5,048.00	2,605.41	2,475.09	19.992	CC
ABND VERT MANN 2 - OWB - Design #1	18,800.00	5,048.00	2,605.41	2,475.03	19.984	ES
ABND VERT MANN 2 - OWB - Design #1	19,021.79	5,048.00	2,615.09	2,479.83	19.333	SF
EXIST HZ ALAUX 4-0-26 - OWB - FINAL SURVEY	14,200.00	7,677.77	262.98	146.67	2.261	SF
EXIST HZ ALAUX 4-0-26 - OWB - FINAL SURVEY	14,258.23	7,677.14	256.45	145.29	2.307	CC, ES
EXIST HZ CRANDELL 0-6-26 - OWB - FINAL SURVEY	18,063.02	7,801.04	2,612.34	2,437.95	14.980	CC, ES
EXIST HZ CRANDELL 0-6-26 - OWB - FINAL SURVEY	18,100.00	7,800.60	2,612.60	2,438.15	14.976	SF
EXIST HZ CRANDELL 0-8-26 - OWB - FINAL SURVEY	19,021.79	8,035.32	2,719.84	2,514.70	13.258	CC, ES, SF
EXIST HZ CRANDELL 14-26 - OWB - FINAL SURVEY	18,963.18	7,860.22	2,203.06	2,007.10	11.243	CC, ES, SF
EXIST HZ CRANDELL 23-26 - OWB - FINAL SURVEY	17,300.00	7,787.02	764.81	598.14	4.589	SF
EXIST HZ CRANDELL 23-26 - OWB - FINAL SURVEY	17,400.00	7,785.88	755.22	590.81	4.594	ES
EXIST HZ CRANDELL 23-26 - OWB - FINAL SURVEY	17,422.89	7,785.62	754.87	591.22	4.613	CC
EXIST HZ CRANDELL 24-26 - OWB - FINAL SURVEY	18,600.00	7,895.90	650.49	454.89	3.326	SF
EXIST HZ CRANDELL 24-26 - OWB - FINAL SURVEY	18,700.00	7,897.10	642.21	451.24	3.363	ES
EXIST HZ CRANDELL 24-26 - OWB - FINAL SURVEY	18,703.56	7,897.14	642.20	451.45	3.367	CC
EXIST HZ CRANDELL 2-8-26 - OWB - FINAL SURVEY	19,021.79	7,957.60	1,479.36	1,270.34	7.078	CC, ES, SF
EXIST HZ CRANDELL 4-6-26 - OWB - FINAL SURVEY	18,086.21	7,926.68	163.66	-13.03	0.926	Level 1, CC, ES, SF
EXIST HZ SEARS 0-4-26 - OWB - FINAL SURVEY	16,714.00	7,802.60	2,631.25	2,477.35	17.097	CC, ES
EXIST HZ SEARS 0-4-26 - OWB - FINAL SURVEY	16,800.00	7,800.97	2,632.66	2,478.58	17.087	SF
EXIST HZ SEARS 2-4-26 - OWB - FINAL SURVEY	16,600.00	7,780.89	1,424.49	1,269.94	9.217	SF
EXIST HZ SEARS 2-4-26 - OWB - FINAL SURVEY	16,688.23	7,777.40	1,421.75	1,268.39	9.271	CC, ES
EXIST HZ SEARS 4-4-26 - OWB - FINAL SURVEY	16,700.00	7,680.96	204.15	45.59	1.288	Level 3, ES, SF
EXIST HZ SEARS 4-4-26 - OWB - FINAL SURVEY	16,734.09	7,680.33	201.28	48.02	1.313	Level 3, CC
EXIST VERT ALAUX 26-5 - OWB - FINAL SURVEY	15,900.00	7,639.20	2,104.00	1,966.84	15.340	ES, SF
EXIST VERT ALAUX 26-5 - OWB - FINAL SURVEY	15,901.94	7,639.20	2,104.00	1,966.84	15.340	CC
EXIST VERT ROBERTS 2 - OWB - Design #1	16,227.69	7,602.00	1,847.59	1,600.30	7.472	CC
EXIST VERT ROBERTS 2 - OWB - Design #1	16,300.00	7,602.00	1,849.00	1,599.07	7.398	ES
EXIST VERT ROBERTS 2 - OWB - Design #1	16,600.00	7,602.00	1,884.73	1,625.12	7.260	SF
EXIST VERT SHANNON ROBERTS 26-5 - OWB - Desig	15,436.31	7,583.00	1,071.50	837.40	4.577	CC

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
SEC 26-T1N-R68W						
EXIST VERT SHANNON ROBERTS 26-5 - OWB - Desig	15,500.00	7,583.00	1,073.40	836.20	4.525	ES
EXIST VERT SHANNON ROBERTS 26-5 - OWB - Desig	15,600.00	7,583.00	1,083.94	842.30	4.486	SF
SI VERT ALAUX 26-3 - OWB - Design #1	14,600.00	7,608.00	758.98	533.30	3.363	SF
SI VERT ALAUX 26-3 - OWB - Design #1	14,700.00	7,608.00	751.45	528.25	3.367	ES
SI VERT ALAUX 26-3 - OWB - Design #1	14,706.86	7,608.00	751.42	528.42	3.370	CC
SI VERT CRANDELL E UNIT 2 - OWB - Design #1	18,477.59	7,605.00	1,530.48	1,245.52	5.371	CC
SI VERT CRANDELL E UNIT 2 - OWB - Design #1	18,500.00	7,605.00	1,530.64	1,244.69	5.353	ES
SI VERT CRANDELL E UNIT 2 - OWB - Design #1	18,700.00	7,605.00	1,546.55	1,252.95	5.267	SF
SI VERT SEARS 22-26 - OWB - Design #1	16,000.00	7,608.00	576.65	329.97	2.338	ES, SF
SI VERT SEARS 22-26 - OWB - Design #1	16,049.75	7,608.00	574.50	330.03	2.350	CC
SI VERT SHANNON-ROBERTS 2 - OWB - Design #1	16,169.40	5,425.00	2,846.82	2,679.22	16.986	CC
SI VERT SHANNON-ROBERTS 2 - OWB - Design #1	16,200.00	5,425.00	2,846.98	2,678.65	16.913	ES
SI VERT SHANNON-ROBERTS 2 - OWB - Design #1	17,200.00	5,425.00	3,027.62	2,835.24	15.738	SF
SI VERT SHANNON-ROBERTS 3 - OWB - Design #1	14,851.74	5,450.00	2,207.92	2,104.51	21.352	CC
SI VERT SHANNON-ROBERTS 3 - OWB - Design #1	14,900.00	5,450.00	2,208.44	2,104.09	21.163	ES
SI VERT SHANNON-ROBERTS 3 - OWB - Design #1	16,200.00	5,450.00	2,587.02	2,436.72	17.212	SF
SI VERT SHANNON-ROBERTS 4 - OWB - Design #1	16,174.10	5,450.00	2,210.00	2,095.51	19.302	CC
SI VERT SHANNON-ROBERTS 4 - OWB - Design #1	16,200.00	5,450.00	2,210.15	2,095.14	19.217	ES
SI VERT SHANNON-ROBERTS 4 - OWB - Design #1	17,400.00	5,450.00	2,527.24	2,371.16	16.192	SF
SI VERT SHANNON-ROBERTS OWP 1-A - OWB - Desi	14,847.04	5,400.00	2,845.08	2,693.14	18.725	CC
SI VERT SHANNON-ROBERTS OWP 1-A - OWB - Desi	14,900.00	5,400.00	2,845.57	2,692.45	18.584	ES
SI VERT SHANNON-ROBERTS OWP 1-A - OWB - Desi	16,000.00	5,400.00	3,069.82	2,890.44	17.113	SF

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference Measured Depth (usft)	Vertical Depth (usft)	Offset Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Semi Major Axis Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	0.00	0.00	33.53	232.42	154.00	279.21					
100.00	100.00	85.00	85.00	0.13	0.68	33.53	232.42	154.00	278.81	278.00	0.81	344.447		
200.00	200.00	185.00	185.00	0.49	2.28	33.53	232.42	154.00	278.81	276.04	2.77	100.632		
300.00	300.00	285.00	285.00	0.85	4.02	33.53	232.42	154.00	278.81	273.93	4.87	57.199		
400.00	400.00	385.00	385.00	1.21	5.77	33.53	232.42	154.00	278.81	271.83	6.98	39.954		
500.00	500.00	485.00	485.00	1.57	7.51	33.53	232.42	154.00	278.81	269.73	9.08	30.699		
600.00	600.00	585.00	585.00	1.93	9.26	33.53	232.42	154.00	278.81	267.62	11.19	24.925		
700.00	700.00	685.00	685.00	2.29	11.00	33.53	232.42	154.00	278.81	265.52	13.29	20.979		
800.00	799.98	784.98	784.98	2.64	12.75	-28.44	232.42	154.00	277.27	261.88	15.39	18.017		
900.00	899.84	884.84	884.84	2.99	14.49	-29.01	232.42	154.00	272.68	255.19	17.49	15.594		
1,000.00	999.45	984.45	984.45	3.35	16.23	-30.00	232.42	154.00	265.09	245.50	19.58	13.536		
1,100.00	1,098.70	1,083.70	1,083.70	3.73	17.96	-31.48	232.42	154.00	254.59	232.91	21.68	11.744		
1,200.00	1,197.47	1,182.47	1,182.47	4.11	19.69	-33.56	232.42	154.00	241.35	217.58	23.77	10.152		
1,300.00	1,295.62	1,280.62	1,280.62	4.53	21.40	-36.41	232.42	154.00	225.62	199.75	25.87	8.721		
1,400.00	1,393.06	1,378.06	1,378.06	4.97	23.10	-40.29	232.42	154.00	207.79	179.82	27.98	7.427		
1,500.00	1,489.64	1,474.64	1,474.64	5.44	24.79	-45.57	232.42	154.00	188.52	158.42	30.10	6.263		
1,600.00	1,585.27	1,570.27	1,570.27	5.95	26.46	-52.79	232.42	154.00	168.90	136.63	32.27	5.234		
1,700.00	1,679.82	1,664.82	1,664.82	6.51	28.11	-62.60	232.42	154.00	150.75	116.24	34.50	4.369		
1,800.00	1,773.17	1,758.17	1,758.17	7.13	29.73	-75.44	232.42	154.00	137.08	100.26	36.82	3.723		
1,894.84	1,860.50	1,845.50	1,845.50	7.76	31.26	-90.00	232.42	154.00	132.00	92.98	39.01	3.383	CC	
1,900.00	1,865.21	1,850.21	1,850.21	7.79	31.34	-90.83	232.42	154.00	132.01	92.88	39.13	3.374	ES, SF	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - ABND VERT COSSLETT B UNIT 1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
2,000.00	1,955.84	1,940.84	1,940.84	8.51	32.92	-106.80	232.42	154.00	139.25	97.98	41.27	3.374		
2,100.00	2,044.94	2,029.94	2,029.94	9.30	34.48	-120.98	232.42	154.00	159.62	116.44	43.18	3.697		
2,200.00	2,132.39	2,117.39	2,117.39	10.15	36.00	-132.21	232.42	154.00	191.13	146.19	44.94	4.253		
2,300.00	2,218.11	2,203.11	2,203.11	11.07	37.50	-140.64	232.42	154.00	231.13	184.47	46.66	4.954		
2,400.00	2,301.97	2,286.97	2,286.97	12.06	38.96	-146.89	232.42	154.00	277.58	229.22	48.37	5.739		
2,500.00	2,383.88	2,368.88	2,368.88	13.11	40.39	-151.58	232.42	154.00	329.17	279.10	50.07	6.574		
2,512.74	2,394.17	2,379.17	2,379.17	13.25	40.57	-152.09	232.42	154.00	336.06	285.77	50.29	6.682		
2,600.00	2,464.54	2,449.54	2,449.54	14.22	41.80	-155.59	232.42	154.00	384.06	332.28	51.78	7.417		
2,700.00	2,545.18	2,530.18	2,530.18	15.35	43.21	-158.70	232.42	154.00	440.06	386.56	53.50	8.225		
2,800.00	2,625.82	2,610.82	2,610.82	16.50	44.62	-161.13	232.42	154.00	496.79	441.55	55.25	8.992		
2,900.00	2,706.45	2,708.55	2,691.45	17.65	46.32	-163.08	232.42	154.00	554.03	496.72	57.30	9.668		
3,000.00	2,787.09	2,772.09	2,772.09	18.82	47.43	-164.67	232.42	154.00	611.62	552.85	58.77	10.406		
3,100.00	2,867.73	2,852.73	2,852.73	19.99	48.84	-166.00	232.42	154.00	669.49	608.94	60.55	11.056		
3,200.00	2,948.37	2,933.37	2,933.37	21.17	50.25	-167.11	232.42	154.00	727.56	665.22	62.34	11.671		
3,300.00	3,029.01	3,014.01	3,014.01	22.36	51.65	-168.07	232.42	154.00	785.79	721.66	64.13	12.252		
3,400.00	3,109.65	3,105.35	3,094.65	23.55	53.25	-168.89	232.42	154.00	844.15	778.03	66.12	12.767		
3,500.00	3,190.29	3,175.29	3,175.29	24.74	54.47	-169.61	232.42	154.00	902.60	834.87	67.74	13.325		
3,600.00	3,270.93	3,255.93	3,255.93	25.94	55.88	-170.24	232.42	154.00	961.15	891.60	69.55	13.820		
3,700.00	3,351.57	3,336.57	3,336.57	27.14	57.28	-170.80	232.42	154.00	1,019.76	948.39	71.36	14.290		
3,800.00	3,432.21	3,417.21	3,417.21	28.35	58.69	-171.30	232.42	154.00	1,078.42	1,005.25	73.18	14.737		
3,900.00	3,512.85	3,502.15	3,497.85	29.56	60.17	-171.75	232.42	154.00	1,137.14	1,062.07	75.07	15.147		
4,000.00	3,593.49	3,578.49	3,578.49	30.76	61.51	-172.16	232.42	154.00	1,195.90	1,119.08	76.82	15.568		
4,100.00	3,674.13	3,659.13	3,659.13	31.97	62.91	-172.53	232.42	154.00	1,254.69	1,176.05	78.64	15.954		
4,200.00	3,754.77	3,739.77	3,739.77	33.19	64.32	-172.86	232.42	154.00	1,313.51	1,233.04	80.47	16.323		
4,300.00	3,835.41	3,820.41	3,820.41	34.40	65.73	-173.17	232.42	154.00	1,372.37	1,290.07	82.30	16.675		
4,400.00	3,916.05	3,901.05	3,901.05	35.62	67.13	-173.45	232.42	154.00	1,431.24	1,347.11	84.13	17.012		
4,500.00	3,996.69	3,981.69	3,981.69	36.83	68.54	-173.71	232.42	154.00	1,490.14	1,404.17	85.96	17.334		
4,600.00	4,077.33	4,062.33	4,062.33	38.05	69.95	-173.95	232.42	154.00	1,549.05	1,461.25	87.80	17.643		
4,700.00	4,157.96	4,142.96	4,142.96	39.27	71.36	-174.17	232.42	154.00	1,607.98	1,518.35	89.64	17.939		
4,800.00	4,238.60	4,223.60	4,223.60	40.49	72.76	-174.37	232.42	154.00	1,666.93	1,575.45	91.47	18.223		
4,900.00	4,319.24	4,304.24	4,304.24	41.71	74.17	-174.57	232.42	154.00	1,725.88	1,632.57	93.31	18.496		
5,000.00	4,399.88	4,384.88	4,384.88	42.93	75.58	-174.75	232.42	154.00	1,784.86	1,689.70	95.15	18.758		
5,100.00	4,480.52	4,465.52	4,465.52	44.15	76.99	-174.91	232.42	154.00	1,843.84	1,746.84	96.99	19.010		
5,200.00	4,561.16	4,546.16	4,546.16	45.37	78.39	-175.07	232.42	154.00	1,902.83	1,803.99	98.84	19.252		
5,300.00	4,641.80	4,626.80	4,626.80	46.59	79.80	-175.23	232.42	154.00	1,963.21	1,864.27	98.95	19.841		
5,400.00	4,722.44	4,707.44	4,707.44	47.82	81.21	-175.38	232.42	154.00	2,024.63	1,925.69	98.77	20.520		
5,500.00	4,803.08	4,788.08	4,788.08	49.04	82.62	-175.53	232.42	154.00	2,086.09	1,987.11	98.48	21.254		
5,600.00	4,883.72	4,868.72	4,868.72	50.27	84.03	-175.68	232.42	154.00	2,147.59	2,048.59	98.10	22.038		
5,700.00	4,964.36	4,949.36	4,949.36	51.49	85.44	-175.83	232.42	154.00	2,209.13	2,110.03	97.66	22.869		
5,800.00	5,045.00	5,030.00	5,030.00	52.71	86.85	-175.98	232.42	154.00	2,270.71	2,171.61	97.16	23.741		
5,900.00	5,125.64	5,110.64	5,110.64	53.94	88.26	-176.13	232.42	154.00	2,332.33	2,233.23	96.63	24.652		
6,000.00	5,206.28	5,191.28	5,191.28	55.17	89.67	-176.28	232.42	154.00	2,394.00	2,294.90	96.08	25.597		
6,100.00	5,286.92	5,271.92	5,271.92	56.39	91.08	-176.43	232.42	154.00	2,455.72	2,356.62	95.51	26.574		
6,200.00	5,367.56	5,352.56	5,352.56	57.62	92.49	-176.58	232.42	154.00	2,517.49	2,418.39	94.93	27.581		
6,300.00	5,448.20	5,433.20	5,433.20	58.84	93.90	-176.73	232.42	154.00	2,579.31	2,480.21	94.35	28.614		
6,400.00	5,528.84	5,513.84	5,513.84	60.07	95.31	-176.88	232.42	154.00	2,641.18	2,542.08	93.78	29.671		
6,500.00	5,609.47	5,594.47	5,594.47	61.30	96.72	-177.03	232.42	154.00	2,703.10	2,604.00	93.21	30.750		
6,600.00	5,690.11	5,675.11	5,675.11	62.53	98.13	-177.18	232.42	154.00	2,765.07	2,665.97	92.65	31.850		
6,700.00	5,770.75	5,755.75	5,755.75	63.75	99.54	-177.33	232.42	154.00	2,827.09	2,728.09	92.11	32.968		
6,800.00	5,851.39	5,836.39	5,836.39	64.98	100.95	-177.48	232.42	154.00	2,889.16	2,790.16	91.59	34.103		
6,900.00	5,932.03	5,917.03	5,917.03	66.21	102.36	-177.63	232.42	154.00	2,951.28	2,852.28	91.08	35.253		
7,000.00	6,012.67	6,000.00	6,000.00	67.44	103.77	-177.78	232.42	154.00	3,013.45	2,914.45	90.59	36.416		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - ABND VERT COSSLETT B UNIT 1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
7,100.00	6,093.31	4,553.00	4,553.00	68.66	78.51	-175.08	232.42	154.00	3,387.57	3,297.46	90.11	37.592		
7,200.00	6,173.95	4,553.00	4,553.00	69.89	78.51	-175.08	232.42	154.00	3,476.93	3,387.27	89.66	38.779		
7,300.00	6,254.59	4,553.00	4,553.00	71.12	78.51	-175.08	232.42	154.00	3,566.86	3,477.63	89.23	39.976		
7,400.00	6,335.23	4,553.00	4,553.00	72.35	78.51	-175.08	232.42	154.00	3,657.31	3,568.50	88.81	41.181		
7,500.00	6,415.87	4,553.00	4,553.00	73.58	78.51	-175.08	232.42	154.00	3,748.24	3,659.83	88.41	42.394		
7,600.00	6,496.51	4,553.00	4,553.00	74.81	78.51	-175.08	232.42	154.00	3,839.62	3,751.59	88.04	43.614		
7,700.00	6,577.15	4,553.00	4,553.00	76.04	78.51	-175.08	232.42	154.00	3,931.43	3,843.75	87.68	44.839		
7,800.00	6,657.79	4,553.00	4,553.00	77.27	78.51	-175.08	232.42	154.00	4,023.62	3,936.28	87.34	46.070		
7,900.00	6,738.43	4,553.00	4,553.00	78.50	78.51	-175.08	232.42	154.00	4,116.18	4,029.17	87.02	47.304		
8,000.00	6,819.07	4,553.00	4,553.00	79.73	78.51	-175.08	232.42	154.00	4,209.08	4,122.37	86.71	48.542		
8,100.00	6,899.71	4,553.00	4,553.00	80.96	78.51	-175.08	232.42	154.00	4,302.30	4,215.88	86.42	49.782		
8,200.00	6,980.35	4,553.00	4,553.00	82.18	78.51	-175.08	232.42	154.00	4,395.82	4,309.66	86.15	51.024		
8,240.58	7,013.07	4,553.00	4,553.00	82.68	78.51	-175.08	232.42	154.00	4,433.85	4,347.80	86.05	51.529		
8,250.00	7,020.68	4,553.00	4,553.00	82.80	78.51	-178.65	232.42	154.00	4,442.67	4,356.65	86.02	51.646		
8,300.00	7,061.63	4,553.00	4,553.00	83.40	78.51	163.31	232.42	154.00	4,489.17	4,403.29	85.88	52.272		
8,350.00	7,103.23	4,553.00	4,553.00	83.97	78.51	146.98	232.42	154.00	4,534.86	4,449.14	85.72	52.901		
8,400.00	7,145.18	4,553.00	4,553.00	84.51	78.51	132.33	232.42	154.00	4,579.42	4,493.87	85.55	53.530		
8,450.00	7,187.16	4,553.00	4,553.00	85.01	78.51	119.25	232.42	154.00	4,622.55	4,537.19	85.36	54.156		
8,500.00	7,228.84	4,553.00	4,553.00	85.46	78.51	107.68	232.42	154.00	4,663.95	4,578.81	85.15	54.776		
8,550.00	7,269.91	4,553.00	4,553.00	85.86	78.51	97.57	232.42	154.00	4,703.38	4,618.46	84.92	55.386		
8,600.00	7,310.05	4,553.00	4,553.00	86.20	78.51	88.86	232.42	154.00	4,740.57	4,655.89	84.68	55.983		
8,650.00	7,348.97	4,553.00	4,553.00	86.50	78.51	81.43	232.42	154.00	4,775.31	4,690.88	84.42	56.564		
8,700.00	7,386.36	4,553.00	4,553.00	86.74	78.51	75.16	232.42	154.00	4,807.37	4,723.22	84.16	57.123		
8,750.00	7,421.94	4,553.00	4,553.00	86.93	78.51	69.90	232.42	154.00	4,836.59	4,752.70	83.89	57.657		
8,800.00	7,455.44	4,553.00	4,553.00	87.07	78.51	65.51	232.42	154.00	4,862.78	4,779.17	83.61	58.159		
8,850.00	7,486.61	4,553.00	4,553.00	87.16	78.51	61.87	232.42	154.00	4,885.79	4,802.46	83.34	58.626		
8,900.00	7,515.20	4,553.00	4,553.00	87.20	78.51	58.87	232.42	154.00	4,905.51	4,822.44	83.07	59.052		
8,950.00	7,541.00	4,553.00	4,553.00	87.21	78.51	56.41	232.42	154.00	4,921.81	4,838.99	82.82	59.431		
9,000.00	7,563.81	4,553.00	4,553.00	87.17	78.51	54.44	232.42	154.00	4,934.61	4,852.03	82.58	59.757		
9,050.00	7,583.47	4,553.00	4,553.00	87.10	78.51	52.90	232.42	154.00	4,943.83	4,861.47	82.36	60.025		
9,100.00	7,599.81	4,553.00	4,553.00	87.00	78.51	51.74	232.42	154.00	4,949.44	4,867.26	82.18	60.229		
9,150.00	7,612.72	4,553.00	4,553.00	86.88	78.51	50.93	232.42	154.00	4,951.39	4,869.37	82.02	60.366		
9,200.00	7,622.09	4,553.00	4,553.00	86.72	78.51	50.45	232.42	154.00	4,949.68	4,867.77	81.91	60.430		
9,250.00	7,627.87	4,553.00	4,553.00	86.55	78.51	50.30	232.42	154.00	4,944.32	4,862.49	81.83	60.421		
9,303.98	7,630.00	4,553.00	4,553.00	86.35	78.51	50.48	232.42	154.00	4,934.46	4,852.66	81.80	60.324		
9,400.00	7,630.00	4,553.00	4,553.00	85.99	78.51	50.48	232.42	154.00	4,914.09	4,832.25	81.84	60.047		
9,500.00	7,630.00	4,553.00	4,553.00	85.62	78.51	50.48	232.42	154.00	4,894.79	4,812.80	81.99	59.700		
9,600.00	7,630.00	4,553.00	4,553.00	85.28	78.51	50.48	232.42	154.00	4,877.47	4,795.21	82.26	59.296		
9,700.00	7,630.00	4,553.00	4,553.00	84.95	78.51	50.48	232.42	154.00	4,862.14	4,779.50	82.63	58.839		
9,800.00	7,630.00	4,553.00	4,553.00	84.64	78.51	50.48	232.42	154.00	4,848.82	4,765.70	83.12	58.336		
9,900.00	7,630.00	4,553.00	4,553.00	84.34	78.51	50.48	232.42	154.00	4,837.54	4,753.84	83.70	57.794		
10,000.00	7,630.00	4,553.00	4,553.00	84.06	78.51	50.48	232.42	154.00	4,828.30	4,743.92	84.38	57.222		
10,100.00	7,630.00	4,553.00	4,553.00	83.80	78.51	50.48	232.42	154.00	4,821.12	4,735.98	85.14	56.627		
10,200.00	7,630.00	4,553.00	4,553.00	83.56	78.51	50.48	232.42	154.00	4,816.00	4,730.03	85.98	56.016		
10,300.00	7,630.00	4,553.00	4,553.00	83.33	78.51	50.48	232.42	154.00	4,812.96	4,726.08	86.88	55.397		
10,396.52	7,630.00	4,553.00	4,553.00	83.12	78.51	50.48	232.42	154.00	4,811.99	4,724.17	87.82	54.796		
10,400.00	7,630.00	4,553.00	4,553.00	83.12	78.51	50.48	232.42	154.00	4,811.99	4,724.14	87.85	54.775		
10,500.00	7,630.00	4,553.00	4,553.00	82.92	78.51	50.48	232.42	154.00	4,813.10	4,724.23	88.87	54.157		
10,600.00	7,630.00	4,553.00	4,553.00	82.75	78.51	50.48	232.42	154.00	4,816.29	4,726.35	89.94	53.548		
10,700.00	7,630.00	4,553.00	4,553.00	82.59	78.51	50.48	232.42	154.00	4,821.55	4,730.49	91.06	52.951		
10,800.00	7,630.00	4,553.00	4,553.00	82.45	78.51	50.48	232.42	154.00	4,828.88	4,736.67	92.21	52.370		
10,900.00	7,630.00	4,553.00	4,553.00	82.33	78.51	50.48	232.42	154.00	4,838.26	4,744.87	93.39	51.809		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - ABND VERT COSSLETT B UNIT 1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
11,000.00	7,630.00	4,553.00	4,553.00	82.22	78.51	50.48	232.42	154.00	4,849.68	4,755.09	94.59	51.269		
11,100.00	7,630.00	4,553.00	4,553.00	82.14	78.51	50.48	232.42	154.00	4,863.14	4,767.32	95.82	50.754		
11,200.00	7,630.00	4,553.00	4,553.00	82.08	78.51	50.48	232.42	154.00	4,878.61	4,781.55	97.06	50.263		
11,300.00	7,630.00	4,553.00	4,553.00	82.04	78.51	50.48	232.42	154.00	4,896.07	4,797.76	98.32	49.800		
11,400.00	7,630.00	4,553.00	4,553.00	82.02	78.51	50.48	232.42	154.00	4,915.51	4,815.93	99.58	49.363		
11,500.00	7,630.00	4,553.00	4,553.00	82.03	78.51	50.48	232.42	154.00	4,936.89	4,836.05	100.85	48.955		
11,600.00	7,630.00	4,553.00	4,553.00	82.06	78.51	50.48	232.42	154.00	4,960.20	4,858.09	102.11	48.575		
11,700.00	7,630.00	4,553.00	4,553.00	82.12	78.51	50.48	232.42	154.00	4,985.41	4,882.03	103.38	48.223		
11,800.00	7,630.00	4,553.00	4,553.00	82.21	78.51	50.48	232.42	154.00	5,012.48	4,907.84	104.64	47.900		
11,900.00	7,630.00	4,553.00	4,553.00	82.33	78.51	50.48	232.42	154.00	5,041.40	4,935.50	105.90	47.605		
12,000.00	7,630.00	4,553.00	4,553.00	82.48	78.51	50.48	232.42	154.00	5,072.12	4,964.97	107.15	47.339		
12,100.00	7,630.00	4,553.00	4,553.00	82.66	78.51	50.48	232.42	154.00	5,104.61	4,996.24	108.38	47.099		
12,200.00	7,630.00	4,553.00	4,553.00	82.88	78.51	50.48	232.42	154.00	5,138.85	5,029.25	109.60	46.887		
12,300.00	7,630.00	4,553.00	4,553.00	83.14	78.51	50.48	232.42	154.00	5,174.79	5,063.99	110.80	46.702		
12,400.00	7,630.00	4,553.00	4,553.00	83.44	78.51	50.48	232.42	154.00	5,212.41	5,100.41	111.99	46.542		
12,500.00	7,630.00	4,553.00	4,553.00	83.79	78.51	50.48	232.42	154.00	5,251.65	5,138.49	113.16	46.408		
12,600.00	7,630.00	4,553.00	4,553.00	84.18	78.51	50.48	232.42	154.00	5,292.50	5,178.19	114.31	46.299		
12,700.00	7,630.00	4,553.00	4,553.00	84.61	78.51	50.48	232.42	154.00	5,334.91	5,219.47	115.44	46.214		
12,800.00	7,630.00	4,553.00	4,553.00	85.10	78.51	50.48	232.42	154.00	5,378.84	5,262.30	116.55	46.152		
12,900.00	7,630.00	4,553.00	4,553.00	85.64	78.51	50.48	232.42	154.00	5,424.27	5,306.63	117.63	46.112		
13,000.00	7,630.00	4,553.00	4,553.00	86.22	78.51	50.48	232.42	154.00	5,471.14	5,352.45	118.69	46.095		
13,100.00	7,630.00	4,553.00	4,553.00	86.86	78.51	50.48	232.42	154.00	5,519.43	5,399.69	119.73	46.099		
13,200.00	7,630.00	4,553.00	4,553.00	87.56	78.51	50.48	232.42	154.00	5,569.09	5,448.34	120.74	46.123		
13,300.00	7,630.00	4,553.00	4,553.00	88.30	78.51	50.48	232.42	154.00	5,620.09	5,498.36	121.73	46.167		
13,400.00	7,630.00	4,553.00	4,553.00	89.10	78.51	50.48	232.42	154.00	5,672.40	5,549.70	122.70	46.230		
13,500.00	7,630.00	4,553.00	4,553.00	89.94	78.51	50.48	232.42	154.00	5,725.98	5,602.34	123.64	46.312		
13,600.00	7,630.00	4,553.00	4,553.00	90.84	78.51	50.48	232.42	154.00	5,780.79	5,656.23	124.56	46.411		
13,700.00	7,630.00	4,553.00	4,553.00	91.78	78.51	50.48	232.42	154.00	5,836.80	5,711.35	125.45	46.527		
13,800.00	7,630.00	4,553.00	4,553.00	92.77	78.51	50.48	232.42	154.00	5,893.97	5,767.66	126.32	46.660		
13,900.00	7,630.00	4,553.00	4,553.00	93.79	78.51	50.48	232.42	154.00	5,952.28	5,825.12	127.16	46.809		
14,000.00	7,630.00	4,553.00	4,553.00	94.86	78.51	50.48	232.42	154.00	6,011.68	5,883.70	127.98	46.974		
14,100.00	7,630.00	4,553.00	4,553.00	95.97	78.51	50.48	232.42	154.00	6,072.15	5,943.37	128.78	47.153		
14,200.00	7,630.00	4,553.00	4,553.00	97.11	78.51	50.48	232.42	154.00	6,133.65	6,004.10	129.55	47.346		
14,300.00	7,630.00	4,553.00	4,553.00	98.28	78.51	50.48	232.42	154.00	6,196.16	6,065.86	130.30	47.553		
14,400.00	7,630.00	4,553.00	4,553.00	99.48	78.51	50.48	232.42	154.00	6,259.64	6,128.61	131.03	47.773		
14,500.00	7,630.00	4,553.00	4,553.00	100.72	78.51	50.48	232.42	154.00	6,324.07	6,192.33	131.74	48.006		
14,600.00	7,630.00	4,553.00	4,553.00	101.97	78.51	50.48	232.42	154.00	6,389.41	6,256.98	132.42	48.250		
14,700.00	7,630.00	4,553.00	4,553.00	103.26	78.51	50.48	232.42	154.00	6,455.63	6,322.55	133.09	48.507		
14,800.00	7,630.00	4,553.00	4,553.00	104.56	78.51	50.48	232.42	154.00	6,522.72	6,388.99	133.73	48.775		
14,900.00	7,630.00	4,553.00	4,553.00	105.89	78.51	50.48	232.42	154.00	6,590.64	6,456.29	134.36	49.054		
15,000.00	7,630.00	4,553.00	4,553.00	107.24	78.51	50.48	232.42	154.00	6,659.38	6,524.42	134.96	49.343		
15,100.00	7,630.00	4,553.00	4,553.00	108.60	78.51	50.48	232.42	154.00	6,728.89	6,593.34	135.55	49.642		
15,200.00	7,630.00	4,553.00	4,553.00	109.98	78.51	50.48	232.42	154.00	6,799.17	6,663.05	136.12	49.951		
15,300.00	7,630.00	4,553.00	4,553.00	111.38	78.51	50.48	232.42	154.00	6,870.18	6,733.51	136.67	50.270		
15,400.00	7,630.00	4,553.00	4,553.00	112.79	78.51	50.48	232.42	154.00	6,941.91	6,804.71	137.20	50.597		
15,500.00	7,630.00	4,553.00	4,553.00	114.22	78.51	50.48	232.42	154.00	7,014.33	6,876.61	137.72	50.933		
15,600.00	7,630.00	4,553.00	4,553.00	115.66	78.51	50.48	232.42	154.00	7,087.42	6,949.20	138.22	51.277		
15,700.00	7,630.00	4,553.00	4,553.00	117.11	78.51	50.48	232.42	154.00	7,161.16	7,022.45	138.70	51.630		
15,800.00	7,630.00	4,553.00	4,553.00	118.57	78.51	50.48	232.42	154.00	7,235.53	7,096.36	139.17	51.990		
15,900.00	7,630.00	4,553.00	4,553.00	120.05	78.51	50.48	232.42	154.00	7,310.51	7,170.88	139.63	52.357		
16,000.00	7,630.00	4,553.00	4,553.00	121.53	78.51	50.48	232.42	154.00	7,386.08	7,246.02	140.07	52.732		
16,100.00	7,630.00	4,553.00	4,553.00	123.03	78.51	50.48	232.42	154.00	7,462.23	7,321.74	140.50	53.113		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - ABND VERT COSSLETT B UNIT 1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
16,200.00	7,630.00	4,553.00	4,553.00	124.53	78.51	50.48	232.42	154.00	7,538.94	7,398.03	140.91	53.502		
16,300.00	7,630.00	4,553.00	4,553.00	126.04	78.51	50.48	232.42	154.00	7,616.19	7,474.88	141.31	53.896		
16,400.00	7,630.00	4,553.00	4,553.00	127.56	78.51	50.48	232.42	154.00	7,693.96	7,552.26	141.70	54.297		
16,500.00	7,630.00	4,553.00	4,553.00	129.09	78.51	50.48	232.42	154.00	7,772.24	7,630.16	142.08	54.704		
16,600.00	7,630.00	4,553.00	4,553.00	130.62	78.51	50.48	232.42	154.00	7,851.01	7,708.57	142.44	55.116		
16,700.00	7,630.00	4,553.00	4,553.00	132.16	78.51	50.48	232.42	154.00	7,930.27	7,787.47	142.80	55.534		
16,800.00	7,630.00	4,553.00	4,553.00	133.71	78.51	50.48	232.42	154.00	8,009.98	7,866.84	143.14	55.958		
16,900.00	7,630.00	4,553.00	4,553.00	135.27	78.51	50.48	232.42	154.00	8,090.15	7,946.67	143.48	56.386		
17,000.00	7,630.00	4,553.00	4,553.00	136.83	78.51	50.48	232.42	154.00	8,170.75	8,026.95	143.80	56.820		
17,100.00	7,630.00	4,553.00	4,553.00	138.39	78.51	50.48	232.42	154.00	8,251.78	8,107.67	144.12	57.258		
17,200.00	7,630.00	4,553.00	4,553.00	139.97	78.51	50.48	232.42	154.00	8,333.22	8,188.80	144.42	57.701		
17,300.00	7,630.00	4,553.00	4,553.00	141.54	78.51	50.48	232.42	154.00	8,415.06	8,270.35	144.72	58.149		
17,400.00	7,630.00	4,553.00	4,553.00	143.12	78.51	50.48	232.42	154.00	8,497.29	8,352.29	145.00	58.600		
17,500.00	7,630.00	4,553.00	4,553.00	144.71	78.51	50.48	232.42	154.00	8,579.90	8,434.62	145.28	59.056		
17,600.00	7,630.00	4,553.00	4,553.00	146.30	78.51	50.48	232.42	154.00	8,662.87	8,517.32	145.55	59.516		
17,700.00	7,630.00	4,553.00	4,553.00	147.90	78.51	50.48	232.42	154.00	8,746.20	8,600.39	145.82	59.980		
17,800.00	7,630.00	4,553.00	4,553.00	149.50	78.51	50.48	232.42	154.00	8,829.88	8,683.81	146.07	60.448		
17,900.00	7,630.00	4,553.00	4,553.00	151.10	78.51	50.48	232.42	154.00	8,913.89	8,767.57	146.32	60.919		
18,000.00	7,630.00	4,553.00	4,553.00	152.71	78.51	50.48	232.42	154.00	8,998.23	8,851.67	146.57	61.394		
18,100.00	7,630.00	4,553.00	4,553.00	154.32	78.51	50.48	232.42	154.00	9,082.89	8,936.09	146.80	61.872		
18,200.00	7,630.00	4,553.00	4,553.00	155.94	78.51	50.48	232.42	154.00	9,167.86	9,020.82	147.03	62.354		
18,300.00	7,630.00	4,553.00	4,553.00	157.56	78.51	50.48	232.42	154.00	9,253.12	9,105.87	147.25	62.838		
18,400.00	7,630.00	4,553.00	4,553.00	159.18	78.51	50.48	232.42	154.00	9,338.68	9,191.21	147.47	63.326		
18,500.00	7,630.00	4,553.00	4,553.00	160.80	78.51	50.48	232.42	154.00	9,424.52	9,276.84	147.68	63.816		
18,600.00	7,630.00	4,553.00	4,553.00	162.43	78.51	50.48	232.42	154.00	9,510.64	9,362.76	147.89	64.310		
18,700.00	7,630.00	4,553.00	4,553.00	164.06	78.51	50.48	232.42	154.00	9,597.03	9,448.94	148.09	64.806		
18,800.00	7,630.00	4,553.00	4,553.00	165.70	78.51	50.48	232.42	154.00	9,683.68	9,535.40	148.28	65.305		
18,900.00	7,630.00	4,553.00	4,553.00	167.33	78.51	50.48	232.42	154.00	9,770.59	9,622.12	148.48	65.806		
19,000.00	7,630.00	4,553.00	4,553.00	168.97	78.51	50.48	232.42	154.00	9,857.75	9,709.08	148.66	66.310		
19,021.79	7,630.00	4,553.00	4,553.00	169.33	78.51	50.48	232.42	154.00	9,876.77	9,728.07	148.70	66.420		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - ABND VERT COSSLETT B UNIT 1X - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INCL-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	-10.83	257.55	-49.28	262.60					
100.00	100.00	86.00	86.00	0.13	0.67	-10.83	257.55	-49.28	262.22	261.42	0.80	326.814		
200.00	200.00	186.00	186.00	0.49	2.28	-10.83	257.55	-49.28	262.22	259.45	2.77	94.647		
300.00	300.00	286.00	286.00	0.85	4.02	-10.83	257.55	-49.28	262.22	257.35	4.87	53.797		
400.00	400.00	386.00	386.00	1.21	5.77	-10.83	257.55	-49.28	262.22	255.25	6.98	37.578		
500.00	500.00	486.00	486.00	1.57	7.51	-10.83	257.55	-49.28	262.22	253.14	9.08	28.873		
600.00	600.00	586.00	586.00	1.93	9.26	-10.83	257.55	-49.28	262.22	251.04	11.19	23.443		
700.00	700.00	686.00	686.00	2.29	11.00	-10.83	257.55	-49.28	262.22	248.93	13.29	19.732		
800.00	799.98	785.98	785.98	2.64	12.75	-72.99	257.55	-49.28	261.71	246.32	15.39	17.006		
900.00	899.84	885.84	885.84	2.99	14.49	-74.12	257.55	-49.28	260.22	242.74	17.49	14.882		
1,000.00	999.45	985.45	985.45	3.35	16.23	-76.02	257.55	-49.28	257.97	238.39	19.58	13.172		
1,100.00	1,098.70	1,084.70	1,084.70	3.73	17.96	-78.71	257.55	-49.28	255.29	233.60	21.69	11.770		
1,200.00	1,197.47	1,183.47	1,183.47	4.11	19.69	-82.20	257.55	-49.28	252.66	228.86	23.80	10.615		
1,300.00	1,295.62	1,281.62	1,281.62	4.53	21.40	-86.48	257.55	-49.28	250.74	224.82	25.93	9.672		
1,371.49	1,365.36	1,351.36	1,351.36	4.84	22.62	-90.00	257.55	-49.28	250.25	222.79	27.46	9.115 CC		
1,400.00	1,393.06	1,379.06	1,379.06	4.97	23.10	-91.50	257.55	-49.28	250.34	222.28	28.06	8.920		
1,500.00	1,489.64	1,475.64	1,475.64	5.44	24.79	-97.15	257.55	-49.28	252.37	222.15	30.22	8.352 ES		
1,600.00	1,585.27	1,571.27	1,571.27	5.95	26.46	-103.23	257.55	-49.28	257.79	225.41	32.37	7.963		
1,700.00	1,679.82	1,665.82	1,665.82	6.51	28.11	-109.52	257.55	-49.28	267.47	232.95	34.53	7.747		
1,800.00	1,773.17	1,759.17	1,759.17	7.13	29.73	-115.76	257.55	-49.28	282.12	245.47	36.66	7.696 SF		
1,900.00	1,865.21	1,851.21	1,851.21	7.79	31.34	-121.72	257.55	-49.28	302.16	263.40	38.75	7.797		
2,000.00	1,955.84	1,941.84	1,941.84	8.51	32.92	-127.23	257.55	-49.28	327.72	286.91	40.81	8.031		
2,100.00	2,044.94	2,030.94	2,030.94	9.30	34.48	-132.20	257.55	-49.28	358.71	315.90	42.81	8.379		
2,200.00	2,132.39	2,118.39	2,118.39	10.15	36.00	-136.59	257.55	-49.28	394.89	350.13	44.76	8.822		
2,300.00	2,218.11	2,204.11	2,204.11	11.07	37.50	-140.42	257.55	-49.28	435.95	389.29	46.67	9.342		
2,400.00	2,301.97	2,287.97	2,287.97	12.06	38.96	-143.73	257.55	-49.28	481.56	433.03	48.53	9.923		
2,500.00	2,383.88	2,369.88	2,369.88	13.11	40.39	-146.58	257.55	-49.28	531.40	481.06	50.35	10.555		
2,512.74	2,394.17	2,380.17	2,380.17	13.25	40.57	-146.91	257.55	-49.28	538.04	487.46	50.58	10.638		
2,600.00	2,464.54	2,450.54	2,450.54	14.22	41.80	-149.55	257.55	-49.28	584.22	532.08	52.13	11.206		
2,700.00	2,545.18	2,531.18	2,531.18	15.35	43.21	-152.14	257.55	-49.28	638.16	584.24	53.91	11.837		
2,800.00	2,625.82	2,611.82	2,611.82	16.50	44.62	-154.35	257.55	-49.28	692.95	637.25	55.69	12.442		
2,900.00	2,706.45	2,707.55	2,692.45	17.65	46.29	-156.25	257.55	-49.28	748.40	690.66	57.74	12.962		
3,000.00	2,787.09	2,773.09	2,773.09	18.82	47.43	-157.91	257.55	-49.28	804.37	745.12	59.26	13.574		
3,100.00	2,867.73	2,853.73	2,853.73	19.99	48.84	-159.35	257.55	-49.28	860.77	799.73	61.04	14.101		
3,200.00	2,948.37	2,934.37	2,934.37	21.17	50.25	-160.63	257.55	-49.28	917.52	854.68	62.83	14.602		
3,300.00	3,029.01	3,015.01	3,015.01	22.36	51.65	-161.76	257.55	-49.28	974.55	909.92	64.63	15.080		
3,400.00	3,109.65	3,104.35	3,095.65	23.55	53.21	-162.78	257.55	-49.28	1,031.81	965.24	66.58	15.498		
3,500.00	3,190.29	3,176.29	3,176.29	24.74	54.47	-163.68	257.55	-49.28	1,089.28	1,021.06	68.22	15.966		
3,600.00	3,270.93	3,256.93	3,256.93	25.94	55.88	-164.50	257.55	-49.28	1,146.92	1,076.89	70.03	16.379		
3,700.00	3,351.57	3,337.57	3,337.57	27.14	57.28	-165.25	257.55	-49.28	1,204.70	1,132.87	71.83	16.771		
3,800.00	3,432.21	3,418.21	3,418.21	28.35	58.69	-165.92	257.55	-49.28	1,262.61	1,188.97	73.64	17.146		
3,900.00	3,512.85	3,501.15	3,498.85	29.56	60.14	-166.54	257.55	-49.28	1,320.62	1,245.13	75.49	17.494		
4,000.00	3,593.49	3,579.49	3,579.49	30.76	61.51	-167.11	257.55	-49.28	1,378.74	1,301.47	77.26	17.844		
4,100.00	3,674.13	3,660.13	3,660.13	31.97	62.91	-167.63	257.55	-49.28	1,436.93	1,357.85	79.08	18.171		
4,200.00	3,754.77	3,740.77	3,740.77	33.19	64.32	-168.11	257.55	-49.28	1,495.20	1,414.30	80.90	18.482		
4,300.00	3,835.41	3,821.41	3,821.41	34.40	65.73	-168.56	257.55	-49.28	1,553.54	1,470.82	82.72	18.781		
4,400.00	3,916.05	3,902.05	3,902.05	35.62	67.13	-168.97	257.55	-49.28	1,611.93	1,527.39	84.54	19.067		
4,500.00	3,996.69	3,982.69	3,982.69	36.83	68.54	-169.36	257.55	-49.28	1,670.38	1,584.01	86.37	19.341		
4,600.00	4,077.33	4,063.33	4,063.33	38.05	69.95	-169.72	257.55	-49.28	1,728.87	1,640.68	88.19	19.603		
4,700.00	4,157.96	4,143.96	4,143.96	39.27	71.36	-170.05	257.55	-49.28	1,787.40	1,697.38	90.02	19.856		
4,800.00	4,238.60	4,224.60	4,224.60	40.49	72.76	-170.37	257.55	-49.28	1,845.98	1,754.13	91.85	20.098		
4,900.00	4,319.24	4,305.24	4,305.24	41.71	74.17	-170.67	257.55	-49.28	1,904.59	1,810.91	93.68	20.331		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - ABND VERT COSSLETT B UNIT 1X - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INCL-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	4,399.88	4,385.88	4,385.88	42.93	75.58	-170.94	257.55	-49.28	1,963.23	1,867.71	95.51	20.554		
5,100.00	4,480.52	4,466.52	4,466.52	44.15	76.99	-171.21	257.55	-49.28	2,021.90	1,924.55	97.35	20.770		
5,200.00	4,561.16	4,547.16	4,547.16	45.37	78.39	-171.46	257.55	-49.28	2,080.59	1,981.41	99.18	20.977		
5,300.00	4,641.80	4,627.80	4,627.80	46.59	79.80	-171.69	257.55	-49.28	2,139.31	2,038.29	101.02	21.177		
5,400.00	4,722.44	4,708.44	4,708.44	47.82	81.21	-171.91	257.55	-49.28	2,198.06	2,095.20	102.86	21.370		
5,500.00	4,803.08	4,789.08	4,789.08	49.04	82.62	-172.12	257.55	-49.28	2,256.82	2,152.12	104.70	21.556		
5,600.00	4,883.72	4,869.72	4,869.72	50.27	84.02	-172.32	257.55	-49.28	2,315.60	2,209.06	106.54	21.735		
5,700.00	4,964.36	4,950.36	4,950.36	51.49	85.43	-172.51	257.55	-49.28	2,374.40	2,266.02	108.38	21.909		
5,800.00	5,045.00	5,031.00	5,031.00	52.71	86.84	-172.69	257.55	-49.28	2,433.22	2,323.00	110.22	22.076		
5,900.00	5,125.64	5,111.64	5,111.64	53.94	88.25	-172.87	257.55	-49.28	2,492.05	2,379.99	112.06	22.238		
6,000.00	5,206.28	5,207.72	5,192.28	55.17	89.92	-173.03	257.55	-49.28	2,550.90	2,436.72	114.18	22.342		
6,100.00	5,286.92	5,272.92	5,272.92	56.39	91.06	-173.19	257.55	-49.28	2,609.75	2,494.00	115.75	22.546		
6,200.00	5,367.56	5,353.56	5,353.56	57.62	92.47	-173.34	257.55	-49.28	2,668.63	2,551.03	117.60	22.693		
6,300.00	5,448.20	5,434.20	5,434.20	58.84	93.88	-173.48	257.55	-49.28	2,727.51	2,608.06	119.44	22.835		
6,400.00	5,528.84	5,514.84	5,514.84	60.07	95.28	-173.62	257.55	-49.28	2,786.40	2,665.11	121.29	22.973		
6,500.00	5,609.47	5,604.53	5,595.47	61.30	96.85	-173.75	257.55	-49.28	2,845.31	2,722.01	123.30	23.077		
6,600.00	5,690.11	5,676.11	5,676.11	62.53	98.10	-173.88	257.55	-49.28	2,904.22	2,779.23	124.99	23.236		
6,700.00	5,770.75	5,756.75	5,756.75	63.75	99.51	-174.00	257.55	-49.28	2,963.14	2,836.30	126.84	23.361		
6,800.00	5,851.39	5,837.39	5,837.39	64.98	100.91	-174.12	257.55	-49.28	3,022.07	2,893.38	128.69	23.483		
6,900.00	5,932.03	5,918.03	5,918.03	66.21	102.32	-174.23	257.55	-49.28	3,081.01	2,950.47	130.54	23.602		
7,000.00	6,012.67	6,001.33	5,998.67	67.44	103.77	-174.34	257.55	-49.28	3,139.96	3,007.52	132.44	23.708		
7,100.00	6,093.31	6,079.31	6,079.31	68.66	105.14	-174.44	257.55	-49.28	3,198.91	3,064.66	134.25	23.829		
7,200.00	6,173.95	6,159.95	6,159.95	69.89	106.54	-174.54	257.55	-49.28	3,257.87	3,121.77	136.10	23.937		
7,300.00	6,254.59	6,240.59	6,240.59	71.12	107.95	-174.64	257.55	-49.28	3,316.84	3,178.88	137.95	24.043		
7,400.00	6,335.23	6,321.23	6,321.23	72.35	109.36	-174.73	257.55	-49.28	3,375.81	3,236.00	139.81	24.146		
7,500.00	6,415.87	6,401.87	6,401.87	73.58	110.77	-174.82	257.55	-49.28	3,434.79	3,293.12	141.66	24.246		
7,600.00	6,496.51	6,482.51	6,482.51	74.81	112.17	-174.91	257.55	-49.28	3,493.77	3,350.25	143.52	24.343		
7,700.00	6,577.15	6,563.15	6,563.15	76.04	113.58	-175.00	257.55	-49.28	3,552.76	3,407.38	145.38	24.438		
7,800.00	6,657.79	6,643.79	6,643.79	77.27	114.99	-175.08	257.55	-49.28	3,611.75	3,464.52	147.23	24.531		
7,900.00	6,738.43	6,724.43	6,724.43	78.50	116.39	-175.16	257.55	-49.28	3,670.75	3,521.66	149.09	24.621		
8,000.00	6,819.07	6,805.07	6,805.07	79.73	117.80	-175.23	257.55	-49.28	3,729.75	3,578.80	150.95	24.709		
8,100.00	6,899.71	6,885.71	6,885.71	80.96	119.21	-175.31	257.55	-49.28	3,788.76	3,635.95	152.81	24.794		
8,200.00	6,980.35	6,966.35	6,966.35	82.18	120.62	-175.38	257.55	-49.28	3,847.77	3,693.10	154.67	24.878		
8,240.58	7,013.07	7,000.93	6,999.07	82.68	121.22	-175.41	257.55	-49.28	3,871.72	3,716.26	155.46	24.906		
8,250.00	7,020.68	7,006.68	7,006.68	82.80	121.32	-177.25	257.55	-49.28	3,877.25	3,721.66	155.60	24.918		
8,300.00	7,061.63	7,047.63	7,047.63	83.40	122.04	172.76	257.55	-49.28	3,905.91	3,749.38	156.54	24.952		
8,350.00	7,103.23	7,089.23	7,089.23	83.97	122.76	162.55	257.55	-49.28	3,933.17	3,775.69	157.48	24.975		
8,400.00	7,145.18	7,131.18	7,131.18	84.51	123.49	152.36	257.55	-49.28	3,958.83	3,800.40	158.43	24.988		
8,450.00	7,187.16	7,173.16	7,173.16	85.01	124.23	142.48	257.55	-49.28	3,982.73	3,823.37	159.37	24.991		
8,500.00	7,228.84	7,214.84	7,214.84	85.46	124.95	133.23	257.55	-49.28	4,004.73	3,844.44	160.29	24.985		
8,550.00	7,269.91	7,255.91	7,255.91	85.86	125.67	124.83	257.55	-49.28	4,024.70	3,863.51	161.19	24.969		
8,600.00	7,310.05	7,303.95	7,296.05	86.20	126.51	117.44	257.55	-49.28	4,042.54	3,880.34	162.20	24.924		
8,650.00	7,348.97	7,334.97	7,334.97	86.50	127.05	111.07	257.55	-49.28	4,058.18	3,895.29	162.89	24.913		
8,700.00	7,386.36	7,372.36	7,372.36	86.74	127.70	105.69	257.55	-49.28	4,071.57	3,907.88	163.69	24.873		
8,750.00	7,421.94	7,407.94	7,407.94	86.93	128.32	101.22	257.55	-49.28	4,082.68	3,918.23	164.45	24.827		
8,800.00	7,455.44	7,441.44	7,441.44	87.07	128.91	97.56	257.55	-49.28	4,091.48	3,926.33	165.15	24.774		
8,850.00	7,486.61	7,472.61	7,472.61	87.16	129.45	94.61	257.55	-49.28	4,097.98	3,932.17	165.81	24.714		
8,900.00	7,515.20	7,501.20	7,501.20	87.20	129.95	92.30	257.55	-49.28	4,102.20	3,935.78	166.42	24.650		
8,950.00	7,541.00	7,527.00	7,527.00	87.21	130.40	90.55	257.55	-49.28	4,104.17	3,937.19	166.98	24.579		
9,000.00	7,563.81	7,549.81	7,549.81	87.17	130.80	89.28	257.55	-49.28	4,103.93	3,936.45	167.48	24.504		
9,050.00	7,583.47	7,569.47	7,569.47	87.10	131.14	88.47	257.55	-49.28	4,101.53	3,933.61	167.92	24.425		
9,100.00	7,599.81	7,585.81	7,585.81	87.00	131.43	88.05	257.55	-49.28	4,097.04	3,928.72	168.32	24.341		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - ABND VERT COSSLETT B UNIT 1X - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INCL-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,150.00	7,612.72	7,601.28	7,598.72	86.88	131.70	88.01	257.55	-49.28	4,090.51	3,921.82	168.70	24.247		
9,200.00	7,622.09	7,608.09	7,608.09	86.72	131.82	88.31	257.55	-49.28	4,082.04	3,913.10	168.94	24.163		
9,250.00	7,627.87	7,613.87	7,613.87	86.55	131.92	88.95	257.55	-49.28	4,071.69	3,902.51	169.17	24.068		
9,303.98	7,630.00	7,616.00	7,616.00	86.35	131.96	90.00	257.55	-49.28	4,058.49	3,889.13	169.36	23.963		
9,400.00	7,630.00	7,616.00	7,616.00	85.99	131.96	90.00	257.55	-49.28	4,034.29	3,864.61	169.67	23.777		
9,500.00	7,630.00	7,616.00	7,616.00	85.62	131.96	90.00	257.55	-49.28	4,011.36	3,841.32	170.04	23.590		
9,600.00	7,630.00	7,616.00	7,616.00	85.28	131.96	90.00	257.55	-49.28	3,990.82	3,820.35	170.47	23.411		
9,700.00	7,630.00	7,616.00	7,616.00	84.95	131.96	90.00	257.55	-49.28	3,972.68	3,801.75	170.94	23.240		
9,800.00	7,630.00	7,616.00	7,616.00	84.64	131.96	90.00	257.55	-49.28	3,956.99	3,785.54	171.46	23.079		
9,900.00	7,630.00	7,616.00	7,616.00	84.34	131.96	90.00	257.55	-49.28	3,943.78	3,771.76	172.02	22.927		
10,000.00	7,630.00	7,616.00	7,616.00	84.06	131.96	90.00	257.55	-49.28	3,933.06	3,760.44	172.62	22.784		
10,100.00	7,630.00	7,616.00	7,616.00	83.80	131.96	90.00	257.55	-49.28	3,924.87	3,751.60	173.26	22.653		
10,200.00	7,630.00	7,616.00	7,616.00	83.56	131.96	90.00	257.55	-49.28	3,919.20	3,745.27	173.94	22.532		
10,300.00	7,630.00	7,616.00	7,616.00	83.33	131.96	90.00	257.55	-49.28	3,916.09	3,741.45	174.64	22.424		
10,372.07	7,630.00	7,616.00	7,616.00	83.17	131.96	90.00	257.55	-49.28	3,915.42	3,740.25	175.17	22.352		
10,400.00	7,630.00	7,616.00	7,616.00	83.12	131.96	90.00	257.55	-49.28	3,915.52	3,740.15	175.37	22.327		
10,500.00	7,630.00	7,616.00	7,616.00	82.92	131.96	90.00	257.55	-49.28	3,917.51	3,741.39	176.12	22.243		
10,600.00	7,630.00	7,616.00	7,616.00	82.75	131.96	90.00	257.55	-49.28	3,922.05	3,745.16	176.90	22.172		
10,700.00	7,630.00	7,616.00	7,616.00	82.59	131.96	90.00	257.55	-49.28	3,929.13	3,751.45	177.68	22.113		
10,800.00	7,630.00	7,616.00	7,616.00	82.45	131.96	90.00	257.55	-49.28	3,938.74	3,760.26	178.48	22.069		
10,900.00	7,630.00	7,616.00	7,616.00	82.33	131.96	90.00	257.55	-49.28	3,950.86	3,771.58	179.28	22.038		
11,000.00	7,630.00	7,616.00	7,616.00	82.22	131.96	90.00	257.55	-49.28	3,965.46	3,785.38	180.08	22.020		
11,100.00	7,630.00	7,616.00	7,616.00	82.14	131.96	90.00	257.55	-49.28	3,982.52	3,801.63	180.89	22.017		
11,200.00	7,630.00	7,616.00	7,616.00	82.08	131.96	90.00	257.55	-49.28	4,002.00	3,820.32	181.68	22.027		
11,300.00	7,630.00	7,616.00	7,616.00	82.04	131.96	90.00	257.55	-49.28	4,023.88	3,841.40	182.48	22.051		
11,400.00	7,630.00	7,616.00	7,616.00	82.02	131.96	90.00	257.55	-49.28	4,048.11	3,864.85	183.26	22.089		
11,500.00	7,630.00	7,616.00	7,616.00	82.03	131.96	90.00	257.55	-49.28	4,074.65	3,890.62	184.03	22.141		
11,600.00	7,630.00	7,616.00	7,616.00	82.06	131.96	90.00	257.55	-49.28	4,103.46	3,918.67	184.79	22.206		
11,700.00	7,630.00	7,616.00	7,616.00	82.12	131.96	90.00	257.55	-49.28	4,134.48	3,948.95	185.53	22.285		
11,800.00	7,630.00	7,616.00	7,616.00	82.21	131.96	90.00	257.55	-49.28	4,167.68	3,981.42	186.25	22.376		
11,900.00	7,630.00	7,616.00	7,616.00	82.33	131.96	90.00	257.55	-49.28	4,202.99	4,016.03	186.96	22.481		
12,000.00	7,630.00	7,616.00	7,616.00	82.48	131.96	90.00	257.55	-49.28	4,240.37	4,052.72	187.64	22.598		
12,100.00	7,630.00	7,616.00	7,616.00	82.66	131.96	90.00	257.55	-49.28	4,279.76	4,091.45	188.31	22.728		
12,200.00	7,630.00	7,616.00	7,616.00	82.88	131.96	90.00	257.55	-49.28	4,321.10	4,132.15	188.95	22.869		
12,300.00	7,630.00	7,616.00	7,616.00	83.14	131.96	90.00	257.55	-49.28	4,364.34	4,174.77	189.57	23.022		
12,400.00	7,630.00	7,616.00	7,616.00	83.44	131.96	90.00	257.55	-49.28	4,409.43	4,219.26	190.17	23.187		
12,500.00	7,630.00	7,616.00	7,616.00	83.79	131.96	90.00	257.55	-49.28	4,456.30	4,265.56	190.74	23.363		
12,600.00	7,630.00	7,616.00	7,616.00	84.18	131.96	90.00	257.55	-49.28	4,504.91	4,313.61	191.30	23.549		
12,700.00	7,630.00	7,616.00	7,616.00	84.61	131.96	90.00	257.55	-49.28	4,555.20	4,363.37	191.83	23.746		
12,800.00	7,630.00	7,616.00	7,616.00	85.10	131.96	90.00	257.55	-49.28	4,607.10	4,414.76	192.34	23.953		
12,900.00	7,630.00	7,616.00	7,616.00	85.64	131.96	90.00	257.55	-49.28	4,660.58	4,467.75	192.83	24.170		
13,000.00	7,630.00	7,616.00	7,616.00	86.22	131.96	90.00	257.55	-49.28	4,715.57	4,522.27	193.29	24.396		
13,100.00	7,630.00	7,616.00	7,616.00	86.86	131.96	90.00	257.55	-49.28	4,772.02	4,578.28	193.74	24.631		
13,200.00	7,630.00	7,616.00	7,616.00	87.56	131.96	90.00	257.55	-49.28	4,829.88	4,635.72	194.17	24.875		
13,300.00	7,630.00	7,616.00	7,616.00	88.30	131.96	90.00	257.55	-49.28	4,889.10	4,694.53	194.57	25.127		
13,400.00	7,630.00	7,616.00	7,616.00	89.10	131.96	90.00	257.55	-49.28	4,949.64	4,754.68	194.96	25.388		
13,500.00	7,630.00	7,616.00	7,616.00	89.94	131.96	90.00	257.55	-49.28	5,011.44	4,816.11	195.33	25.656		
13,600.00	7,630.00	7,616.00	7,616.00	90.84	131.96	90.00	257.55	-49.28	5,074.46	4,878.78	195.68	25.932		
13,700.00	7,630.00	7,616.00	7,616.00	91.78	131.96	90.00	257.55	-49.28	5,138.65	4,942.63	196.01	26.216		
13,800.00	7,630.00	7,616.00	7,616.00	92.77	131.96	90.00	257.55	-49.28	5,203.97	5,007.64	196.33	26.506		
13,900.00	7,630.00	7,616.00	7,616.00	93.79	131.96	90.00	257.55	-49.28	5,270.38	5,073.74	196.63	26.803		
14,000.00	7,630.00	7,616.00	7,616.00	94.86	131.96	90.00	257.55	-49.28	5,337.83	5,140.91	196.92	27.106		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - ABND VERT COSSLETT B UNIT 1X - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,100.00	7,630.00	7,616.00	7,616.00	95.97	131.96	90.00	257.55	-49.28	5,406.30	5,209.10	197.20	27.416		
14,200.00	7,630.00	7,616.00	7,616.00	97.11	131.96	90.00	257.55	-49.28	5,475.73	5,278.28	197.45	27.732		
14,300.00	7,630.00	7,616.00	7,616.00	98.28	131.96	90.00	257.55	-49.28	5,546.10	5,348.40	197.70	28.053		
14,400.00	7,630.00	7,616.00	7,616.00	99.48	131.96	90.00	257.55	-49.28	5,617.37	5,419.43	197.94	28.380		
14,500.00	7,630.00	7,616.00	7,616.00	100.72	131.96	90.00	257.55	-49.28	5,689.50	5,491.34	198.16	28.712		
14,600.00	7,630.00	7,616.00	7,616.00	101.97	131.96	90.00	257.55	-49.28	5,762.46	5,564.09	198.37	29.049		
14,700.00	7,630.00	7,616.00	7,616.00	103.26	131.96	90.00	257.55	-49.28	5,836.23	5,637.66	198.57	29.391		
14,800.00	7,630.00	7,616.00	7,616.00	104.56	131.96	90.00	257.55	-49.28	5,910.77	5,712.01	198.76	29.738		
14,900.00	7,630.00	7,616.00	7,616.00	105.89	131.96	90.00	257.55	-49.28	5,986.04	5,787.11	198.94	30.090		
15,000.00	7,630.00	7,616.00	7,616.00	107.24	131.96	90.00	257.55	-49.28	6,062.04	5,862.93	199.11	30.446		
15,100.00	7,630.00	7,616.00	7,616.00	108.60	131.96	90.00	257.55	-49.28	6,138.72	5,939.45	199.27	30.805		
15,200.00	7,630.00	7,616.00	7,616.00	109.98	131.96	90.00	257.55	-49.28	6,216.07	6,016.64	199.43	31.169		
15,300.00	7,630.00	7,616.00	7,616.00	111.38	131.96	90.00	257.55	-49.28	6,294.05	6,094.48	199.58	31.537		
15,400.00	7,630.00	7,616.00	7,616.00	112.79	131.96	90.00	257.55	-49.28	6,372.65	6,172.93	199.72	31.909		
15,500.00	7,630.00	7,616.00	7,616.00	114.22	131.96	90.00	257.55	-49.28	6,451.84	6,251.99	199.85	32.284		
15,600.00	7,630.00	7,616.00	7,616.00	115.66	131.96	90.00	257.55	-49.28	6,531.60	6,331.63	199.97	32.662		
15,700.00	7,630.00	7,616.00	7,616.00	117.11	131.96	90.00	257.55	-49.28	6,611.92	6,411.82	200.09	33.044		
15,800.00	7,630.00	7,616.00	7,616.00	118.57	131.96	90.00	257.55	-49.28	6,692.76	6,492.55	200.21	33.429		
15,900.00	7,630.00	7,616.00	7,616.00	120.05	131.96	90.00	257.55	-49.28	6,774.11	6,573.80	200.32	33.817		
16,000.00	7,630.00	7,616.00	7,616.00	121.53	131.96	90.00	257.55	-49.28	6,855.96	6,655.54	200.42	34.208		
16,100.00	7,630.00	7,616.00	7,616.00	123.03	131.96	90.00	257.55	-49.28	6,938.28	6,737.76	200.52	34.602		
16,200.00	7,630.00	7,616.00	7,616.00	124.53	131.96	90.00	257.55	-49.28	7,021.07	6,820.45	200.61	34.998		
16,300.00	7,630.00	7,616.00	7,616.00	126.04	131.96	90.00	257.55	-49.28	7,104.29	6,903.59	200.70	35.397		
16,400.00	7,630.00	7,616.00	7,616.00	127.56	131.96	90.00	257.55	-49.28	7,187.94	6,987.15	200.79	35.798		
16,500.00	7,630.00	7,616.00	7,616.00	129.09	131.96	90.00	257.55	-49.28	7,272.01	7,071.14	200.87	36.202		
16,600.00	7,630.00	7,616.00	7,616.00	130.62	131.96	90.00	257.55	-49.28	7,356.47	7,155.52	200.95	36.609		
16,700.00	7,630.00	7,616.00	7,616.00	132.16	131.96	90.00	257.55	-49.28	7,441.32	7,240.30	201.02	37.017		
16,800.00	7,630.00	7,616.00	7,616.00	133.71	131.96	90.00	257.55	-49.28	7,526.55	7,325.45	201.10	37.428		
16,900.00	7,630.00	7,616.00	7,616.00	135.27	131.96	90.00	257.55	-49.28	7,612.13	7,410.96	201.16	37.840		
17,000.00	7,630.00	7,616.00	7,616.00	136.83	131.96	90.00	257.55	-49.28	7,698.06	7,496.83	201.23	38.255		
17,100.00	7,630.00	7,616.00	7,616.00	138.39	131.96	90.00	257.55	-49.28	7,784.32	7,583.03	201.29	38.672		
17,200.00	7,630.00	7,616.00	7,616.00	139.97	131.96	90.00	257.55	-49.28	7,870.91	7,669.56	201.35	39.090		
17,300.00	7,630.00	7,616.00	7,616.00	141.54	131.96	90.00	257.55	-49.28	7,957.81	7,756.40	201.41	39.510		
17,400.00	7,630.00	7,616.00	7,616.00	143.12	131.96	90.00	257.55	-49.28	8,045.02	7,843.56	201.47	39.932		
17,500.00	7,630.00	7,616.00	7,616.00	144.71	131.96	90.00	257.55	-49.28	8,132.53	7,931.01	201.52	40.356		
17,600.00	7,630.00	7,616.00	7,616.00	146.30	131.96	90.00	257.55	-49.28	8,220.31	8,018.74	201.57	40.781		
17,700.00	7,630.00	7,616.00	7,616.00	147.90	131.96	90.00	257.55	-49.28	8,308.38	8,106.76	201.62	41.208		
17,800.00	7,630.00	7,616.00	7,616.00	149.50	131.96	90.00	257.55	-49.28	8,396.71	8,195.04	201.67	41.636		
17,900.00	7,630.00	7,616.00	7,616.00	151.10	131.96	90.00	257.55	-49.28	8,485.30	8,283.58	201.72	42.065		
18,000.00	7,630.00	7,616.00	7,616.00	152.71	131.96	90.00	257.55	-49.28	8,574.14	8,372.38	201.76	42.496		
18,100.00	7,630.00	7,616.00	7,616.00	154.32	131.96	90.00	257.55	-49.28	8,663.23	8,461.42	201.81	42.928		
18,200.00	7,630.00	7,616.00	7,616.00	155.94	131.96	90.00	257.55	-49.28	8,752.55	8,550.70	201.85	43.362		
18,300.00	7,630.00	7,616.00	7,616.00	157.56	131.96	90.00	257.55	-49.28	8,842.10	8,640.21	201.89	43.796		
18,400.00	7,630.00	7,616.00	7,616.00	159.18	131.96	90.00	257.55	-49.28	8,931.87	8,729.94	201.93	44.232		
18,500.00	7,630.00	7,616.00	7,616.00	160.80	131.96	90.00	257.55	-49.28	9,021.85	8,819.88	201.97	44.669		
18,600.00	7,630.00	7,616.00	7,616.00	162.43	131.96	90.00	257.55	-49.28	9,112.05	8,910.04	202.01	45.107		
18,700.00	7,630.00	7,616.00	7,616.00	164.06	131.96	90.00	257.55	-49.28	9,202.45	9,000.40	202.05	45.546		
18,800.00	7,630.00	7,616.00	7,616.00	165.70	131.96	90.00	257.55	-49.28	9,293.04	9,090.96	202.08	45.986		
18,900.00	7,630.00	7,616.00	7,616.00	167.33	131.96	90.00	257.55	-49.28	9,383.83	9,181.71	202.12	46.427		
19,000.00	7,630.00	7,616.00	7,616.00	168.97	131.96	90.00	257.55	-49.28	9,474.80	9,272.64	202.15	46.869		
19,021.79	7,630.00	7,616.00	7,616.00	169.33	131.96	90.00	257.55	-49.28	9,494.64	9,292.48	202.16	46.966		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1B-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	1.00	1.00	0.00	0.00	-89.30	0.73	-59.92	59.92					
100.00	100.00	101.00	101.00	0.13	0.14	-89.30	0.73	-59.92	59.92	59.65	0.27	219.958		
200.00	200.00	201.00	201.00	0.49	0.50	-89.30	0.73	-59.92	59.92	58.94	0.99	60.568		
300.00	300.00	301.00	301.00	0.85	0.85	-89.30	0.73	-59.92	59.92	58.22	1.71	35.119		
400.00	400.00	401.00	401.00	1.21	1.21	-89.30	0.73	-59.92	59.92	57.50	2.42	24.729		
500.00	500.00	501.00	501.00	1.57	1.57	-89.30	0.73	-59.92	59.92	56.78	3.14	19.083		
600.00	600.00	601.00	601.00	1.93	1.93	-89.30	0.73	-59.92	59.92	56.07	3.86	15.536		
700.00	700.00	701.00	701.00	2.29	2.29	-89.30	0.73	-59.92	59.92	55.35	4.57	13.101	CC, ES	
800.00	799.98	800.98	800.98	2.64	2.65	-151.86	0.73	-59.92	61.46	56.17	5.29	11.625		
900.00	899.84	900.84	900.84	2.99	3.01	-153.96	0.73	-59.92	66.12	60.12	6.00	11.025		
1,000.00	999.45	1,000.45	1,000.45	3.35	3.36	-156.86	0.73	-59.92	74.05	67.34	6.71	11.036		
1,100.00	1,098.70	1,100.30	1,099.70	3.73	3.72	-159.99	0.73	-59.92	85.40	77.97	7.43	11.500		
1,200.00	1,197.47	1,201.53	1,198.47	4.11	4.08	-162.96	0.73	-59.92	100.26	92.11	8.15	12.302		
1,300.00	1,295.62	1,296.62	1,296.62	4.53	4.42	-165.56	0.73	-59.92	118.65	109.80	8.85	13.402		
1,400.00	1,393.06	1,398.16	1,398.14	4.97	4.79	-167.48	1.96	-58.78	139.19	129.61	9.58	14.534		
1,500.00	1,489.64	1,500.50	1,500.34	5.44	5.15	-168.49	5.86	-55.14	160.17	149.87	10.30	15.549		
1,600.00	1,585.27	1,603.52	1,602.96	5.95	5.52	-168.89	12.49	-48.98	181.49	170.46	11.03	16.457		
1,700.00	1,679.82	1,707.22	1,705.85	6.51	5.90	-168.86	21.88	-40.24	203.10	191.34	11.76	17.270		
1,800.00	1,773.17	1,811.57	1,808.85	7.13	6.29	-168.52	34.08	-28.89	224.97	212.47	12.50	17.994		
1,900.00	1,865.21	1,916.56	1,911.82	7.79	6.70	-167.94	49.11	-14.89	247.09	233.84	13.26	18.638		
2,000.00	1,955.84	2,022.20	2,014.57	8.51	7.14	-167.19	67.01	1.77	269.47	255.44	14.03	19.205		
2,100.00	2,044.94	2,128.45	2,116.95	9.30	7.61	-166.29	87.81	21.12	292.10	277.27	14.83	19.695		
2,200.00	2,132.39	2,235.32	2,218.79	10.15	8.12	-165.29	111.51	43.18	315.00	299.34	15.67	20.108		
2,300.00	2,218.11	2,342.78	2,319.90	11.07	8.68	-164.19	138.13	67.95	338.18	321.64	16.54	20.440		
2,400.00	2,301.97	2,450.82	2,420.11	12.06	9.29	-163.02	167.67	95.45	361.65	344.17	17.48	20.690		
2,500.00	2,383.88	2,559.42	2,519.25	13.11	9.95	-161.79	200.14	125.66	385.41	366.93	18.48	20.855		
2,512.74	2,394.17	2,573.30	2,531.79	13.25	10.04	-161.63	204.48	129.71	388.46	369.85	18.61	20.869		
2,600.00	2,464.54	2,657.92	2,608.18	14.22	10.60	-160.81	231.13	154.51	409.39	389.83	19.56	20.927		
2,700.00	2,545.18	2,754.79	2,695.63	15.35	11.25	-159.97	261.64	182.90	433.46	412.78	20.68	20.957		
2,800.00	2,625.82	2,851.67	2,783.08	16.50	11.93	-159.22	292.15	211.30	457.61	435.77	21.84	20.955		
2,900.00	2,706.45	2,948.54	2,870.53	17.65	12.62	-158.54	322.66	239.69	481.82	458.80	23.02	20.928		
3,000.00	2,787.09	3,045.41	2,957.98	18.82	13.33	-157.93	353.17	268.08	506.10	481.86	24.24	20.883		
3,100.00	2,867.73	3,142.29	3,045.43	19.99	14.05	-157.37	383.68	296.48	530.42	504.95	25.47	20.824		
3,200.00	2,948.37	3,239.16	3,132.88	21.17	14.77	-156.87	414.19	324.87	554.78	528.05	26.73	20.757		
3,300.00	3,029.01	3,336.04	3,220.33	22.36	15.51	-156.40	444.70	353.26	579.19	551.18	28.00	20.683		
3,400.00	3,109.65	3,432.91	3,307.78	23.55	16.25	-155.97	475.20	381.66	603.62	574.33	29.30	20.605		
3,500.00	3,190.29	3,529.78	3,395.23	24.74	16.99	-155.58	505.71	410.05	628.09	597.48	30.60	20.524		
3,600.00	3,270.93	3,626.66	3,482.68	25.94	17.75	-155.22	536.22	438.45	652.58	620.65	31.92	20.443		
3,700.00	3,351.57	3,723.53	3,570.13	27.14	18.50	-154.88	566.73	466.84	677.09	643.84	33.25	20.361		
3,800.00	3,432.21	3,820.41	3,657.58	28.35	19.26	-154.56	597.24	495.23	701.63	667.03	34.60	20.280		
3,900.00	3,512.85	3,917.28	3,745.03	29.56	20.03	-154.27	627.75	523.63	726.18	690.23	35.95	20.201		
4,000.00	3,593.49	4,014.16	3,832.48	30.76	20.80	-153.99	658.26	552.02	750.75	713.44	37.31	20.122		
4,100.00	3,674.13	4,111.03	3,919.93	31.97	21.57	-153.74	688.77	580.42	775.33	736.66	38.68	20.046		
4,200.00	3,754.77	4,207.90	4,007.38	33.19	22.34	-153.50	719.28	608.81	799.93	759.88	40.05	19.972		
4,300.00	3,835.41	4,304.78	4,094.83	34.40	23.12	-153.27	749.79	637.20	824.54	783.11	41.44	19.899		
4,400.00	3,916.05	4,401.65	4,182.28	35.62	23.90	-153.06	780.30	665.60	849.17	806.34	42.82	19.829		
4,500.00	3,996.69	4,501.48	4,269.73	36.83	24.70	-152.86	810.80	693.99	873.80	829.56	44.24	19.753		
4,600.00	4,077.33	4,604.60	4,357.18	38.05	25.53	-152.66	841.31	722.38	898.44	852.77	45.67	19.670		
4,700.00	4,157.96	4,707.73	4,444.63	39.27	26.37	-152.48	871.82	750.78	923.09	875.98	47.12	19.591		
4,800.00	4,238.60	4,789.15	4,532.08	40.49	27.02	-152.31	902.33	779.17	947.75	899.33	48.43	19.571		
4,900.00	4,319.24	4,866.02	4,619.53	41.71	27.81	-152.15	932.84	807.57	972.42	922.58	49.84	19.512		
5,000.00	4,399.88	4,982.90	4,706.98	42.93	28.60	-152.00	963.35	835.96	997.10	945.84	51.25	19.455		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1B-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,480.52	5,079.77	4,794.43	44.15	29.39	-151.85	993.86	864.35	1,021.78	969.11	52.67	19.400		
5,200.00	4,561.16	5,176.64	4,881.89	45.37	30.17	-151.71	1,024.37	892.75	1,046.46	992.37	54.09	19.346		
5,300.00	4,641.80	5,273.52	4,969.34	46.59	30.96	-151.58	1,054.88	921.14	1,071.15	1,015.64	55.52	19.295		
5,400.00	4,722.44	5,370.39	5,056.79	47.82	31.76	-151.45	1,085.39	949.53	1,095.85	1,038.91	56.94	19.245		
5,500.00	4,803.08	5,467.27	5,144.24	49.04	32.55	-151.33	1,115.90	977.93	1,120.55	1,062.18	58.37	19.197		
5,600.00	4,883.72	5,564.14	5,231.69	50.27	33.34	-151.21	1,146.40	1,006.32	1,145.26	1,085.46	59.80	19.151		
5,700.00	4,964.36	5,661.01	5,319.14	51.49	34.13	-151.10	1,176.91	1,034.72	1,169.97	1,108.74	61.24	19.106		
5,800.00	5,045.00	5,757.89	5,406.59	52.71	34.93	-150.99	1,207.42	1,063.11	1,194.69	1,132.02	62.67	19.063		
5,900.00	5,125.64	5,854.76	5,494.04	53.94	35.72	-150.89	1,237.93	1,091.50	1,219.41	1,155.30	64.11	19.021		
6,000.00	5,206.28	5,951.64	5,581.49	55.17	36.52	-150.79	1,268.44	1,119.90	1,244.13	1,178.58	65.55	18.981		
6,100.00	5,286.92	6,048.51	5,668.94	56.39	37.31	-150.70	1,298.95	1,148.29	1,268.86	1,201.87	66.99	18.941		
6,200.00	5,367.56	6,145.38	5,756.39	57.62	38.11	-150.60	1,329.46	1,176.68	1,293.58	1,225.15	68.43	18.904		
6,300.00	5,448.20	6,242.26	5,843.84	58.84	38.91	-150.52	1,359.97	1,205.08	1,318.32	1,248.44	69.87	18.867		
6,400.00	5,528.84	6,339.13	5,931.29	60.07	39.70	-150.43	1,390.48	1,233.47	1,343.05	1,271.73	71.32	18.831		
6,500.00	5,609.47	6,436.01	6,018.74	61.30	40.50	-150.35	1,420.99	1,261.87	1,367.79	1,295.02	72.77	18.797		
6,600.00	5,690.11	6,532.88	6,106.19	62.53	41.30	-150.27	1,451.50	1,290.26	1,392.53	1,318.31	74.21	18.764		
6,700.00	5,770.75	6,629.75	6,193.64	63.75	42.10	-150.20	1,482.00	1,318.65	1,417.27	1,341.61	75.66	18.731		
6,800.00	5,851.39	6,726.63	6,281.09	64.98	42.89	-150.12	1,512.51	1,347.05	1,442.02	1,364.90	77.11	18.700		
6,900.00	5,932.03	6,823.50	6,368.54	66.21	43.69	-150.05	1,543.02	1,375.44	1,466.76	1,388.20	78.57	18.669		
7,000.00	6,012.67	6,920.38	6,455.99	67.44	44.49	-149.98	1,573.53	1,403.84	1,491.51	1,411.49	80.02	18.640		
7,100.00	6,093.31	7,017.25	6,543.44	68.66	45.29	-149.92	1,604.04	1,432.23	1,516.26	1,434.79	81.47	18.611		
7,200.00	6,173.95	7,114.12	6,630.89	69.89	46.09	-149.85	1,634.55	1,460.62	1,541.01	1,458.09	82.93	18.583		
7,300.00	6,254.59	7,211.00	6,718.34	71.12	46.89	-149.79	1,665.06	1,489.02	1,565.77	1,481.39	84.38	18.556		
7,400.00	6,335.23	7,307.87	6,805.79	72.35	47.69	-149.73	1,695.57	1,517.41	1,590.52	1,504.69	85.84	18.530		
7,500.00	6,415.87	7,404.75	6,893.24	73.58	48.49	-149.67	1,726.08	1,545.80	1,615.28	1,527.99	87.29	18.504		
7,600.00	6,496.51	7,501.62	6,980.69	74.81	49.29	-149.62	1,756.59	1,574.20	1,640.04	1,551.29	88.75	18.479		
7,700.00	6,577.15	7,601.51	7,068.14	76.04	50.12	-149.56	1,787.10	1,602.59	1,664.80	1,574.57	90.23	18.451		
7,800.00	6,657.79	7,695.87	7,156.05	77.27	50.90	-149.51	1,817.75	1,631.13	1,689.56	1,597.89	91.67	18.430		
7,900.00	6,738.43	7,806.51	7,258.67	78.50	51.71	-149.44	1,841.56	1,664.41	1,713.90	1,621.12	92.78	18.473		
8,000.00	6,819.07	7,910.25	7,357.18	79.73	52.24	-150.79	1,844.68	1,696.29	1,737.74	1,644.82	92.92	18.702		
8,100.00	6,899.71	8,001.85	7,443.40	80.96	52.53	-152.10	1,831.89	1,724.14	1,761.89	1,669.51	92.38	19.073		
8,200.00	6,980.35	8,079.53	7,514.23	82.18	52.65	-153.52	1,809.84	1,746.98	1,787.30	1,695.83	91.47	19.540		
8,240.58	7,013.07	8,107.19	7,538.68	82.68	52.67	-154.08	1,799.58	1,754.85	1,798.17	1,707.12	91.05	19.749		
8,250.00	7,020.68	8,113.36	7,544.07	82.80	52.67	-155.67	1,797.12	1,756.59	1,800.76	1,709.80	90.95	19.798		
8,300.00	7,061.63	8,145.68	7,571.86	83.40	52.67	-164.54	1,783.27	1,765.53	1,814.89	1,724.43	90.46	20.064		
8,350.00	7,103.23	8,177.43	7,598.40	83.97	52.65	-174.03	1,768.08	1,774.06	1,829.59	1,739.60	89.99	20.332		
8,400.00	7,145.18	8,208.71	7,623.72	84.51	52.62	176.15	1,751.62	1,782.20	1,844.69	1,755.14	89.55	20.600		
8,450.00	7,187.16	8,239.62	7,647.87	85.01	52.57	166.32	1,733.96	1,789.95	1,860.03	1,770.89	89.14	20.866		
8,500.00	7,228.84	8,270.21	7,670.85	85.46	52.51	156.83	1,715.16	1,797.32	1,875.42	1,786.66	88.76	21.129		
8,550.00	7,269.91	8,300.00	7,692.27	85.86	52.44	147.97	1,695.64	1,804.19	1,890.71	1,802.28	88.43	21.382		
8,600.00	7,310.05	8,330.71	7,713.32	86.20	52.35	139.89	1,674.32	1,810.92	1,905.74	1,817.65	88.09	21.634		
8,650.00	7,348.97	8,360.70	7,732.79	86.50	52.26	132.70	1,652.39	1,817.15	1,920.37	1,832.57	87.80	21.873		
8,700.00	7,386.36	8,390.56	7,751.08	86.74	52.15	126.36	1,629.52	1,822.99	1,934.45	1,846.91	87.54	22.099		
8,750.00	7,421.94	8,420.32	7,768.15	86.93	52.04	120.84	1,605.76	1,828.43	1,947.85	1,860.54	87.31	22.310		
8,800.00	7,455.44	8,450.00	7,783.98	87.07	51.92	116.06	1,581.17	1,833.47	1,960.46	1,873.34	87.11	22.505		
8,850.00	7,486.61	8,479.65	7,798.57	87.16	51.79	111.95	1,555.78	1,838.10	1,972.16	1,885.21	86.95	22.682		
8,900.00	7,515.20	8,509.25	7,811.87	87.20	51.65	108.44	1,529.68	1,842.31	1,982.85	1,896.03	86.82	22.838		
8,950.00	7,541.00	8,538.82	7,823.86	87.21	51.51	105.48	1,502.92	1,846.10	1,992.45	1,905.71	86.74	22.971		
9,000.00	7,563.81	8,568.39	7,834.52	87.17	51.36	103.01	1,475.55	1,849.45	2,000.87	1,914.18	86.69	23.082		
9,050.00	7,583.47	8,600.00	7,844.41	87.10	51.20	100.98	1,445.69	1,852.55	2,008.05	1,921.44	86.61	23.185		
9,100.00	7,599.81	8,627.51	7,851.73	87.00	51.05	99.39	1,419.27	1,854.83	2,013.93	1,927.23	86.70	23.228		
9,150.00	7,612.72	8,650.00	7,856.82	86.88	50.93	98.19	1,397.42	1,856.40	2,018.49	1,931.50	86.99	23.203		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1B-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,622.09	8,686.67	7,863.35	86.72	50.72	97.35	1,361.40	1,858.39	2,021.63	1,934.76	86.87	23.272		
9,250.00	7,627.87	8,716.28	7,867.02	86.55	50.55	96.88	1,332.05	1,859.48	2,023.39	1,936.38	87.01	23.255		
9,303.98	7,630.00	8,750.00	7,869.43	86.35	50.36	96.77	1,298.42	1,860.15	2,023.71	1,936.57	87.14	23.225		
9,348.87	7,630.00	8,778.49	7,870.00	86.18	50.20	96.78	1,274.41	1,860.25	2,023.49	1,936.11	87.37	23.159		
9,400.00	7,630.00	8,825.15	7,870.00	85.99	49.94	96.78	1,223.28	1,860.08	2,023.49	1,936.58	86.91	23.283		
9,500.00	7,630.00	8,925.15	7,870.00	85.62	49.40	96.78	1,123.28	1,859.74	2,023.49	1,937.43	86.06	23.512		
9,600.00	7,630.00	9,025.15	7,870.00	85.28	48.89	96.78	1,023.28	1,859.40	2,023.50	1,938.15	85.35	23.708		
9,700.00	7,630.00	9,125.15	7,870.00	84.95	48.41	96.78	923.28	1,859.06	2,023.50	1,938.72	84.78	23.867		
9,800.00	7,630.00	9,225.15	7,870.00	84.64	47.95	96.78	823.28	1,858.72	2,023.50	1,939.15	84.36	23.988		
9,900.00	7,630.00	9,325.15	7,870.00	84.34	47.52	96.78	723.28	1,858.38	2,023.51	1,939.43	84.08	24.068		
10,000.00	7,630.00	9,425.15	7,870.00	84.06	47.12	96.78	623.29	1,858.04	2,023.51	1,939.57	83.94	24.106		
10,100.00	7,630.00	9,525.15	7,870.00	83.80	46.74	96.78	523.29	1,857.70	2,023.51	1,939.56	83.96	24.102		
10,200.00	7,630.00	9,625.15	7,870.00	83.56	46.39	96.78	423.29	1,857.36	2,023.52	1,939.40	84.12	24.055		
10,300.00	7,630.00	9,725.15	7,870.00	83.33	46.06	96.78	323.29	1,857.02	2,023.52	1,939.09	84.43	23.967		
10,400.00	7,630.00	9,825.15	7,870.00	83.12	45.75	96.78	223.29	1,856.68	2,023.53	1,938.64	84.89	23.838		
10,500.00	7,630.00	9,925.15	7,870.00	82.92	45.46	96.78	123.29	1,856.34	2,023.53	1,938.05	85.48	23.671		
10,600.00	7,630.00	10,025.15	7,870.00	82.75	45.21	96.78	23.29	1,856.00	2,023.53	1,937.31	86.22	23.469		
10,700.00	7,630.00	10,125.15	7,870.00	82.59	44.97	96.78	-76.71	1,855.66	2,023.54	1,936.44	87.10	23.233		
10,800.00	7,630.00	10,225.15	7,870.00	82.45	44.77	96.78	-176.71	1,855.32	2,023.54	1,935.44	88.10	22.968		
10,900.00	7,630.00	10,325.15	7,870.00	82.33	44.62	96.78	-276.71	1,854.98	2,023.54	1,934.31	89.23	22.677		
11,000.00	7,630.00	10,425.15	7,870.00	82.22	44.55	96.78	-376.71	1,854.64	2,023.55	1,933.06	90.49	22.362		
11,100.00	7,630.00	10,525.15	7,870.00	82.14	44.61	96.78	-476.71	1,854.30	2,023.55	1,931.69	91.86	22.028		
11,200.00	7,630.00	10,625.15	7,870.00	82.08	44.92	96.78	-576.71	1,853.96	2,023.56	1,930.21	93.35	21.677		
11,300.00	7,630.00	10,725.15	7,870.00	82.04	45.53	96.78	-676.71	1,853.62	2,023.56	1,928.62	94.94	21.314		
11,400.00	7,630.00	10,825.15	7,870.00	82.02	46.37	96.78	-776.71	1,853.28	2,023.56	1,926.93	96.64	20.940		
11,500.00	7,630.00	10,925.15	7,870.00	82.03	47.34	96.78	-876.71	1,852.94	2,023.57	1,925.14	98.43	20.559		
11,600.00	7,630.00	11,025.15	7,870.00	82.06	48.40	96.78	-976.71	1,852.60	2,023.57	1,923.26	100.31	20.174		
11,700.00	7,630.00	11,125.15	7,870.00	82.12	49.51	96.78	-1,076.70	1,852.26	2,023.57	1,921.30	102.27	19.786		
11,800.00	7,630.00	11,225.15	7,870.00	82.21	50.66	96.78	-1,176.70	1,851.92	2,023.58	1,919.25	104.32	19.397		
11,900.00	7,630.00	11,325.15	7,870.00	82.33	51.85	96.78	-1,276.70	1,851.58	2,023.58	1,917.13	106.45	19.010		
12,000.00	7,630.00	11,425.15	7,870.00	82.48	53.07	96.78	-1,376.70	1,851.24	2,023.58	1,914.94	108.64	18.626		
12,100.00	7,630.00	11,525.15	7,870.00	82.66	54.32	96.78	-1,476.70	1,850.90	2,023.59	1,912.68	110.91	18.246		
12,200.00	7,630.00	11,625.15	7,870.00	82.88	55.59	96.78	-1,576.70	1,850.56	2,023.59	1,910.35	113.24	17.870		
12,300.00	7,630.00	11,725.15	7,870.00	83.14	56.89	96.78	-1,676.70	1,850.22	2,023.60	1,907.97	115.62	17.501		
12,400.00	7,630.00	11,825.15	7,870.00	83.44	58.21	96.78	-1,776.70	1,849.88	2,023.60	1,905.53	118.07	17.139		
12,500.00	7,630.00	11,925.15	7,870.00	83.79	59.55	96.78	-1,876.70	1,849.54	2,023.60	1,903.04	120.57	16.784		
12,600.00	7,630.00	12,025.15	7,870.00	84.18	60.91	96.78	-1,976.70	1,849.20	2,023.61	1,900.50	123.11	16.437		
12,700.00	7,630.00	12,125.15	7,870.00	84.61	62.29	96.78	-2,076.70	1,848.86	2,023.61	1,897.91	125.70	16.098		
12,800.00	7,630.00	12,225.15	7,870.00	85.10	63.68	96.78	-2,176.70	1,848.52	2,023.61	1,895.27	128.34	15.768		
12,900.00	7,630.00	12,325.15	7,870.00	85.64	65.09	96.78	-2,276.70	1,848.18	2,023.62	1,892.60	131.02	15.445		
13,000.00	7,630.00	12,425.15	7,870.00	86.22	66.52	96.78	-2,376.70	1,847.84	2,023.62	1,889.89	133.73	15.132		
13,100.00	7,630.00	12,525.15	7,870.00	86.86	67.96	96.78	-2,476.70	1,847.50	2,023.62	1,887.14	136.49	14.826		
13,200.00	7,630.00	12,625.15	7,870.00	87.56	69.41	96.78	-2,576.70	1,847.16	2,023.63	1,884.35	139.27	14.530		
13,300.00	7,630.00	12,725.15	7,870.00	88.30	70.88	96.78	-2,676.70	1,846.83	2,023.63	1,881.54	142.09	14.242		
13,400.00	7,630.00	12,825.15	7,870.00	89.10	72.35	96.78	-2,776.70	1,846.49	2,023.64	1,878.69	144.94	13.962		
13,500.00	7,630.00	12,925.15	7,870.00	89.94	73.84	96.78	-2,876.69	1,846.15	2,023.64	1,875.82	147.82	13.690		
13,600.00	7,630.00	13,025.15	7,870.00	90.84	75.34	96.78	-2,976.69	1,845.81	2,023.64	1,872.92	150.72	13.426		
13,700.00	7,630.00	13,125.15	7,870.00	91.78	76.85	96.78	-3,076.69	1,845.47	2,023.65	1,869.99	153.65	13.170		
13,800.00	7,630.00	13,225.15	7,870.00	92.77	78.37	96.78	-3,176.69	1,845.13	2,023.65	1,867.04	156.61	12.922		
13,900.00	7,630.00	13,325.15	7,870.00	93.79	79.90	96.78	-3,276.69	1,844.79	2,023.65	1,864.07	159.59	12.681		
14,000.00	7,630.00	13,425.15	7,870.00	94.86	81.43	96.78	-3,376.69	1,844.45	2,023.66	1,861.07	162.58	12.447		
14,100.00	7,630.00	13,525.15	7,870.00	95.97	82.98	96.78	-3,476.69	1,844.11	2,023.66	1,858.06	165.60	12.220		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1B-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,630.00	13,625.15	7,870.00	97.11	84.53	96.78	-3,576.69	1,843.77	2,023.67	1,855.03	168.64	12.000		
14,300.00	7,630.00	13,725.15	7,870.00	98.28	86.09	96.78	-3,676.69	1,843.43	2,023.67	1,851.97	171.70	11.786		
14,400.00	7,630.00	13,825.15	7,870.00	99.48	87.66	96.78	-3,776.69	1,843.09	2,023.67	1,848.90	174.77	11.579		
14,500.00	7,630.00	13,925.15	7,870.00	100.72	89.23	96.78	-3,876.69	1,842.75	2,023.68	1,845.82	177.86	11.378		
14,600.00	7,630.00	14,025.15	7,870.00	101.97	90.81	96.78	-3,976.69	1,842.41	2,023.68	1,842.72	180.96	11.183		
14,700.00	7,630.00	14,125.15	7,870.00	103.26	92.40	96.78	-4,076.69	1,842.07	2,023.68	1,839.60	184.08	10.993		
14,800.00	7,630.00	14,225.15	7,870.00	104.56	93.99	96.78	-4,176.69	1,841.73	2,023.69	1,836.47	187.22	10.809		
14,900.00	7,630.00	14,325.15	7,870.00	105.89	95.59	96.78	-4,276.69	1,841.39	2,023.69	1,833.33	190.36	10.631		
15,000.00	7,630.00	14,425.15	7,870.00	107.24	97.19	96.78	-4,376.69	1,841.05	2,023.69	1,830.17	193.52	10.457		
15,100.00	7,630.00	14,525.15	7,870.00	108.60	98.80	96.78	-4,476.69	1,840.71	2,023.70	1,827.00	196.69	10.289		
15,200.00	7,630.00	14,625.15	7,870.00	109.98	100.41	96.78	-4,576.68	1,840.37	2,023.70	1,823.83	199.88	10.125		
15,300.00	7,630.00	14,725.15	7,870.00	111.38	102.03	96.78	-4,676.68	1,840.03	2,023.71	1,820.64	203.07	9.966		
15,400.00	7,630.00	14,825.15	7,870.00	112.79	103.65	96.78	-4,776.68	1,839.69	2,023.71	1,817.43	206.27	9.811		
15,500.00	7,630.00	14,925.15	7,870.00	114.22	105.28	96.78	-4,876.68	1,839.35	2,023.71	1,814.22	209.49	9.660		
15,600.00	7,630.00	15,025.15	7,870.00	115.66	106.91	96.78	-4,976.68	1,839.01	2,023.72	1,811.00	212.71	9.514		
15,700.00	7,630.00	15,125.15	7,870.00	117.11	108.54	96.78	-5,076.68	1,838.67	2,023.72	1,807.77	215.95	9.371		
15,800.00	7,630.00	15,225.15	7,870.00	118.57	110.18	96.78	-5,176.68	1,838.33	2,023.72	1,804.54	219.19	9.233		
15,900.00	7,630.00	15,325.15	7,870.00	120.05	111.82	96.78	-5,276.68	1,837.99	2,023.73	1,801.29	222.44	9.098		
16,000.00	7,630.00	15,425.15	7,870.00	121.53	113.47	96.78	-5,376.68	1,837.65	2,023.73	1,798.04	225.69	8.967		
16,100.00	7,630.00	15,525.15	7,870.00	123.03	115.11	96.78	-5,476.68	1,837.31	2,023.74	1,794.78	228.96	8.839		
16,200.00	7,630.00	15,625.15	7,870.00	124.53	116.77	96.78	-5,576.68	1,836.97	2,023.74	1,791.51	232.23	8.714		
16,300.00	7,630.00	15,725.15	7,870.00	126.04	118.42	96.78	-5,676.68	1,836.63	2,023.74	1,788.23	235.51	8.593		
16,400.00	7,630.00	15,825.15	7,870.00	127.56	120.08	96.78	-5,776.68	1,836.29	2,023.75	1,784.95	238.80	8.475		
16,500.00	7,630.00	15,925.15	7,870.00	129.09	121.74	96.78	-5,876.68	1,835.95	2,023.75	1,781.66	242.09	8.359		
16,600.00	7,630.00	16,025.15	7,870.00	130.62	123.40	96.78	-5,976.68	1,835.61	2,023.75	1,778.36	245.39	8.247		
16,700.00	7,630.00	16,125.15	7,870.00	132.16	125.07	96.78	-6,076.68	1,835.27	2,023.76	1,775.06	248.69	8.138		
16,800.00	7,630.00	16,225.15	7,870.00	133.71	126.74	96.78	-6,176.68	1,834.93	2,023.76	1,771.76	252.01	8.031		
16,900.00	7,630.00	16,325.15	7,870.00	135.27	128.41	96.78	-6,276.68	1,834.59	2,023.76	1,768.44	255.32	7.926		
17,000.00	7,630.00	16,425.15	7,870.00	136.83	130.08	96.78	-6,376.67	1,834.25	2,023.77	1,765.13	258.64	7.825		
17,100.00	7,630.00	16,525.15	7,870.00	138.39	131.76	96.78	-6,476.67	1,833.91	2,023.77	1,761.80	261.97	7.725		
17,200.00	7,630.00	16,625.15	7,870.00	139.97	133.43	96.78	-6,576.67	1,833.57	2,023.78	1,758.48	265.30	7.628		
17,300.00	7,630.00	16,725.15	7,870.00	141.54	135.11	96.78	-6,676.67	1,833.23	2,023.78	1,755.14	268.64	7.534		
17,400.00	7,630.00	16,825.15	7,870.00	143.12	136.80	96.78	-6,776.67	1,832.89	2,023.78	1,751.81	271.98	7.441		
17,500.00	7,630.00	16,925.15	7,870.00	144.71	138.48	96.78	-6,876.67	1,832.56	2,023.79	1,748.47	275.32	7.351		
17,600.00	7,630.00	17,025.15	7,870.00	146.30	140.17	96.78	-6,976.67	1,832.22	2,023.79	1,745.12	278.67	7.262		
17,700.00	7,630.00	17,125.15	7,870.00	147.90	141.85	96.78	-7,076.67	1,831.88	2,023.79	1,741.77	282.02	7.176		
17,800.00	7,630.00	17,225.15	7,870.00	149.50	143.54	96.78	-7,176.67	1,831.54	2,023.80	1,738.42	285.38	7.092		
17,900.00	7,630.00	17,325.15	7,870.00	151.10	145.23	96.78	-7,276.67	1,831.20	2,023.80	1,735.06	288.74	7.009		
18,000.00	7,630.00	17,425.15	7,870.00	152.71	146.93	96.78	-7,376.67	1,830.86	2,023.81	1,731.70	292.10	6.928		
18,100.00	7,630.00	17,525.15	7,870.00	154.32	148.62	96.78	-7,476.67	1,830.52	2,023.81	1,728.34	295.47	6.849		
18,200.00	7,630.00	17,625.15	7,870.00	155.94	150.32	96.78	-7,576.67	1,830.18	2,023.81	1,724.97	298.84	6.772		
18,300.00	7,630.00	17,725.15	7,870.00	157.56	152.01	96.78	-7,676.67	1,829.84	2,023.82	1,721.60	302.22	6.697		
18,400.00	7,630.00	17,825.15	7,870.00	159.18	153.71	96.78	-7,776.67	1,829.50	2,023.82	1,718.23	305.59	6.623		
18,500.00	7,630.00	17,925.15	7,870.00	160.80	155.41	96.78	-7,876.67	1,829.16	2,023.82	1,714.85	308.97	6.550		
18,600.00	7,630.00	18,025.15	7,870.00	162.43	157.12	96.78	-7,976.67	1,828.82	2,023.83	1,711.47	312.36	6.479		
18,700.00	7,630.00	18,125.15	7,870.00	164.06	158.82	96.78	-8,076.66	1,828.48	2,023.83	1,708.09	315.74	6.410		
18,800.00	7,630.00	18,225.15	7,870.00	165.70	160.52	96.78	-8,176.66	1,828.14	2,023.83	1,704.70	319.13	6.342		
18,900.00	7,630.00	18,325.15	7,870.00	167.33	162.23	96.78	-8,276.66	1,827.80	2,023.84	1,701.31	322.52	6.275		
19,000.00	7,630.00	18,425.15	7,870.00	168.97	163.94	96.78	-8,376.66	1,827.46	2,023.84	1,697.92	325.92	6.210		
19,021.79	7,630.00	18,446.94	7,870.00	169.33	164.31	96.78	-8,398.45	1,827.38	2,023.84	1,697.18	326.66	6.196 SF		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1C-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	1.00	1.00	0.00	0.00	-89.58	0.36	-50.12	50.12					
100.00	100.00	101.00	101.00	0.13	0.14	-89.58	0.36	-50.12	50.12	49.85	0.27	183.975		
200.00	200.00	201.00	201.00	0.49	0.50	-89.58	0.36	-50.12	50.12	49.13	0.99	50.660		
300.00	300.00	301.00	301.00	0.85	0.85	-89.58	0.36	-50.12	50.12	48.42	1.71	29.374		
400.00	400.00	401.00	401.00	1.21	1.21	-89.58	0.36	-50.12	50.12	47.70	2.42	20.684		
500.00	500.00	501.00	501.00	1.57	1.57	-89.58	0.36	-50.12	50.12	46.98	3.14	15.961		
600.00	600.00	601.00	601.00	1.93	1.93	-89.58	0.36	-50.12	50.12	46.26	3.86	12.995		
700.00	700.00	701.00	701.00	2.29	2.29	-89.58	0.36	-50.12	50.12	45.55	4.57	10.958	CC, ES	
800.00	799.98	800.98	800.98	2.64	2.65	-152.28	0.36	-50.12	51.66	46.37	5.29	9.772		
900.00	899.84	900.84	900.84	2.99	3.01	-154.72	0.36	-50.12	56.35	50.35	6.00	9.395		
1,000.00	999.45	1,000.45	1,000.45	3.35	3.36	-157.97	0.36	-50.12	64.34	57.63	6.71	9.588		
1,100.00	1,098.70	1,100.30	1,099.70	3.73	3.72	-161.35	0.36	-50.12	75.78	68.35	7.43	10.205		
1,200.00	1,197.47	1,198.47	1,198.47	4.11	4.07	-164.43	0.36	-50.12	90.75	82.61	8.14	11.151		
1,300.00	1,295.62	1,299.97	1,299.95	4.53	4.43	-166.68	1.55	-48.84	107.77	98.92	8.86	12.167		
1,400.00	1,393.06	1,402.11	1,401.95	4.97	4.80	-167.90	5.21	-44.90	125.14	115.57	9.58	13.070		
1,500.00	1,489.64	1,504.85	1,504.28	5.44	5.16	-168.46	11.39	-38.25	142.76	132.46	10.29	13.867		
1,600.00	1,585.27	1,608.18	1,606.80	5.95	5.54	-168.55	20.12	-28.85	160.56	149.54	11.02	14.574		
1,700.00	1,679.82	1,712.08	1,709.36	6.51	5.93	-168.31	31.42	-16.67	178.53	166.78	11.75	15.200		
1,800.00	1,773.17	1,816.56	1,811.81	7.13	6.35	-167.83	45.34	-1.69	196.64	184.16	12.49	15.749		
1,900.00	1,865.21	1,921.61	1,914.00	7.79	6.79	-167.17	61.88	16.13	214.91	201.67	13.24	16.231		
2,000.00	1,955.84	2,027.21	2,015.77	8.51	7.26	-166.37	81.07	36.79	233.32	219.30	14.02	16.645		
2,100.00	2,044.94	2,133.37	2,116.94	9.30	7.78	-165.45	102.92	60.32	251.87	237.05	14.82	16.992		
2,200.00	2,132.39	2,240.07	2,217.37	10.15	8.34	-164.44	127.43	86.72	270.59	254.92	15.67	17.272		
2,300.00	2,218.11	2,347.30	2,316.87	11.07	8.95	-163.36	154.61	115.99	289.46	272.90	16.56	17.482		
2,400.00	2,301.97	2,455.04	2,415.28	12.06	9.63	-162.21	184.46	148.13	308.50	291.00	17.51	17.621		
2,500.00	2,383.88	2,563.30	2,512.43	13.11	10.36	-161.02	216.96	183.14	327.72	309.19	18.53	17.687		
2,512.74	2,394.17	2,577.13	2,524.70	13.25	10.46	-160.86	221.29	187.80	330.18	311.51	18.66	17.690		
2,600.00	2,464.54	2,662.96	2,600.76	14.22	11.09	-160.03	248.36	216.95	346.99	327.34	19.65	17.654		
2,700.00	2,545.18	2,760.93	2,687.57	15.35	11.83	-159.17	279.26	250.22	366.34	345.51	20.83	17.589		
2,800.00	2,625.82	2,858.91	2,774.38	16.50	12.59	-158.40	310.16	283.50	385.75	363.71	22.04	17.505		
2,900.00	2,706.45	2,956.88	2,861.20	17.65	13.36	-157.71	341.05	316.78	405.23	381.95	23.28	17.407		
3,000.00	2,787.09	3,054.85	2,948.01	18.82	14.15	-157.07	371.95	350.05	424.75	400.20	24.55	17.302		
3,100.00	2,867.73	3,152.82	3,034.82	19.99	14.95	-156.50	402.85	383.33	444.33	418.48	25.85	17.191		
3,200.00	2,948.37	3,250.79	3,121.64	21.17	15.76	-155.97	433.75	416.60	463.94	436.78	27.16	17.079		
3,300.00	3,029.01	3,348.76	3,208.45	22.36	16.57	-155.48	464.65	449.88	483.59	455.09	28.50	16.966		
3,400.00	3,109.65	3,446.73	3,295.26	23.55	17.39	-155.04	495.55	483.15	503.27	473.41	29.86	16.855		
3,500.00	3,190.29	3,544.71	3,382.07	24.74	18.22	-154.62	526.45	516.43	522.97	491.74	31.23	16.746		
3,600.00	3,270.93	3,642.68	3,468.89	25.94	19.06	-154.24	557.34	549.70	542.70	510.09	32.62	16.639		
3,700.00	3,351.57	3,740.65	3,555.70	27.14	19.89	-153.88	588.24	582.98	562.46	528.44	34.01	16.536		
3,800.00	3,432.21	3,838.62	3,642.51	28.35	20.74	-153.55	619.14	616.25	582.23	546.80	35.42	16.436		
3,900.00	3,512.85	3,936.59	3,729.33	29.56	21.58	-153.24	650.04	649.53	602.02	565.17	36.84	16.339		
4,000.00	3,593.49	4,034.56	3,816.14	30.76	22.43	-152.94	680.94	682.80	621.82	583.55	38.27	16.247		
4,100.00	3,674.13	4,132.54	3,902.95	31.97	23.28	-152.67	711.84	716.08	641.64	601.93	39.71	16.158		
4,200.00	3,754.77	4,230.51	3,989.76	33.19	24.13	-152.41	742.73	749.35	661.48	620.32	41.16	16.072		
4,300.00	3,835.41	4,328.48	4,076.58	34.40	24.99	-152.17	773.63	782.63	681.32	638.71	42.61	15.990		
4,400.00	3,916.05	4,426.45	4,163.39	35.62	25.85	-151.94	804.53	815.90	701.18	657.11	44.07	15.912		
4,500.00	3,996.69	4,524.42	4,250.20	36.83	26.71	-151.73	835.43	849.18	721.04	675.51	45.53	15.836		
4,600.00	4,077.33	4,622.39	4,337.02	38.05	27.57	-151.52	866.33	882.45	740.92	693.92	47.00	15.764		
4,700.00	4,157.96	4,720.37	4,423.83	39.27	28.43	-151.33	897.23	915.73	760.80	712.33	48.47	15.695		
4,800.00	4,238.60	4,818.34	4,510.64	40.49	29.30	-151.15	928.13	949.01	780.70	730.74	49.95	15.629		
4,900.00	4,319.24	4,916.31	4,597.45	41.71	30.16	-150.97	959.02	982.28	800.60	749.16	51.44	15.565		
5,000.00	4,399.88	5,014.28	4,684.27	42.93	31.03	-150.81	989.92	1,015.56	820.50	767.58	52.92	15.504		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1C-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,480.52	5,112.25	4,771.08	44.15	31.89	-150.65	1,020.82	1,048.83	840.41	786.00	54.41	15.446		
5,200.00	4,561.16	5,210.22	4,857.89	45.37	32.76	-150.50	1,051.72	1,082.11	860.33	804.43	55.90	15.389		
5,300.00	4,641.80	5,308.20	4,944.71	46.59	33.63	-150.35	1,082.62	1,115.38	880.26	822.86	57.40	15.335		
5,400.00	4,722.44	5,406.17	5,031.52	47.82	34.50	-150.22	1,113.52	1,148.66	900.19	841.29	58.90	15.283		
5,500.00	4,803.08	5,504.14	5,118.33	49.04	35.37	-150.08	1,144.42	1,181.93	920.12	859.72	60.40	15.234		
5,600.00	4,883.72	5,602.11	5,205.14	50.27	36.24	-149.96	1,175.31	1,215.21	940.06	878.15	61.91	15.185		
5,700.00	4,964.36	5,700.08	5,291.96	51.49	37.12	-149.84	1,206.21	1,248.48	960.00	896.59	63.41	15.139		
5,800.00	5,045.00	5,798.05	5,378.77	52.71	37.99	-149.72	1,237.11	1,281.76	979.95	915.03	64.92	15.095		
5,900.00	5,125.64	5,903.97	5,465.58	53.94	38.93	-149.61	1,268.01	1,315.03	999.90	933.41	66.49	15.039		
6,000.00	5,206.28	6,006.00	5,552.40	55.17	39.84	-149.50	1,298.91	1,348.31	1,019.85	951.82	68.03	14.992		
6,100.00	5,286.92	6,108.03	5,639.21	56.39	40.76	-149.40	1,329.81	1,381.58	1,039.81	970.24	69.57	14.946		
6,200.00	5,367.56	6,189.94	5,726.02	57.62	41.49	-149.30	1,360.71	1,414.86	1,059.77	988.80	70.97	14.932		
6,300.00	5,448.20	6,287.91	5,812.84	58.84	42.36	-149.21	1,391.60	1,448.13	1,079.73	1,007.24	72.49	14.895		
6,400.00	5,528.84	6,385.88	5,899.65	60.07	43.24	-149.11	1,422.50	1,481.41	1,099.70	1,025.69	74.01	14.859		
6,500.00	5,609.47	6,483.86	5,986.46	61.30	44.11	-149.03	1,453.40	1,514.68	1,119.66	1,044.14	75.53	14.824		
6,600.00	5,690.11	6,581.83	6,073.27	62.53	44.99	-148.94	1,484.30	1,547.96	1,139.64	1,062.59	77.05	14.791		
6,700.00	5,770.75	6,679.80	6,160.09	63.75	45.87	-148.86	1,515.20	1,581.24	1,159.61	1,081.04	78.57	14.758		
6,800.00	5,851.39	6,777.77	6,246.90	64.98	46.74	-148.78	1,546.10	1,614.51	1,179.58	1,099.49	80.10	14.727		
6,900.00	5,932.03	6,875.74	6,333.71	66.21	47.62	-148.70	1,576.99	1,647.79	1,199.56	1,117.94	81.62	14.697		
7,000.00	6,012.67	6,973.71	6,420.53	67.44	48.50	-148.63	1,607.89	1,681.06	1,219.54	1,136.39	83.15	14.667		
7,100.00	6,093.31	7,071.69	6,507.34	68.66	49.38	-148.55	1,638.79	1,714.34	1,239.52	1,154.85	84.68	14.639		
7,200.00	6,173.95	7,169.66	6,594.15	69.89	50.26	-148.48	1,669.69	1,747.61	1,259.51	1,173.30	86.20	14.611		
7,300.00	6,254.59	7,267.63	6,680.96	71.12	51.13	-148.42	1,700.59	1,780.89	1,279.49	1,191.76	87.73	14.584		
7,400.00	6,335.23	7,365.60	6,767.78	72.35	52.01	-148.35	1,731.49	1,814.16	1,299.48	1,210.22	89.26	14.558		
7,500.00	6,415.87	7,463.57	6,854.59	73.58	52.89	-148.29	1,762.39	1,847.44	1,319.47	1,228.67	90.79	14.533		
7,600.00	6,496.51	7,561.54	6,941.40	74.81	53.77	-148.23	1,793.28	1,880.71	1,339.46	1,247.13	92.32	14.508		
7,700.00	6,577.15	7,660.31	7,028.92	76.04	54.66	-148.17	1,824.42	1,914.26	1,359.45	1,265.58	93.86	14.483		
7,800.00	6,657.79	7,781.21	7,139.18	77.27	55.61	-148.67	1,849.38	1,956.47	1,378.55	1,283.65	94.90	14.527		
7,900.00	6,738.43	7,893.28	7,243.70	78.50	56.26	-150.04	1,849.95	1,996.41	1,396.49	1,301.91	94.58	14.765		
8,000.00	6,819.07	7,990.25	7,332.78	79.73	56.61	-151.87	1,832.86	2,030.39	1,414.54	1,321.14	93.41	15.144		
8,100.00	6,899.71	8,070.60	7,403.71	80.96	56.76	-153.80	1,806.68	2,057.40	1,434.17	1,342.29	91.88	15.609		
8,200.00	6,980.35	8,135.86	7,458.36	82.18	56.80	-155.59	1,777.77	2,078.18	1,456.62	1,366.32	90.29	16.132		
8,240.58	7,013.07	8,158.63	7,476.66	82.68	56.79	-156.26	1,766.14	2,085.13	1,466.75	1,377.09	89.66	16.359		
8,250.00	7,020.68	8,163.69	7,480.66	82.80	56.79	-157.86	1,763.46	2,086.65	1,469.19	1,379.68	89.51	16.413		
8,300.00	7,061.63	8,190.44	7,501.47	83.40	56.77	-166.78	1,748.62	2,094.55	1,482.71	1,393.92	88.78	16.700		
8,350.00	7,103.23	8,217.06	7,521.51	83.97	56.74	-176.33	1,732.83	2,102.16	1,496.98	1,408.86	88.12	16.987		
8,400.00	7,145.18	8,243.58	7,540.78	84.51	56.70	173.76	1,716.14	2,109.46	1,511.82	1,424.29	87.53	17.273		
8,450.00	7,187.16	8,270.03	7,559.25	85.01	56.65	163.84	1,698.56	2,116.46	1,527.01	1,440.03	86.99	17.554		
8,500.00	7,228.84	8,300.00	7,579.25	85.46	56.59	154.18	1,677.56	2,124.03	1,542.38	1,455.98	86.40	17.852		
8,550.00	7,269.91	8,322.77	7,593.74	85.86	56.53	145.29	1,660.87	2,129.51	1,557.71	1,471.63	86.08	18.096		
8,600.00	7,310.05	8,350.00	7,610.24	86.20	56.45	137.11	1,640.13	2,135.74	1,572.85	1,487.17	85.68	18.358		
8,650.00	7,348.97	8,375.41	7,624.79	86.50	56.36	129.83	1,620.04	2,141.23	1,587.63	1,502.24	85.39	18.594		
8,700.00	7,386.36	8,400.00	7,638.06	86.74	56.28	123.43	1,599.96	2,146.24	1,601.89	1,516.71	85.18	18.807		
8,750.00	7,421.94	8,428.00	7,652.19	86.93	56.17	117.80	1,576.37	2,151.55	1,615.49	1,530.58	84.91	19.025		
8,800.00	7,455.44	8,450.00	7,662.52	87.07	56.09	113.00	1,557.35	2,155.43	1,628.31	1,543.40	84.91	19.178		
8,850.00	7,486.61	8,480.61	7,675.74	87.16	55.96	108.78	1,530.19	2,160.39	1,640.20	1,555.53	84.67	19.372		
8,900.00	7,515.20	8,500.00	7,683.41	87.20	55.88	105.28	1,512.62	2,163.27	1,651.10	1,566.22	84.88	19.452		
8,950.00	7,541.00	8,533.25	7,695.26	87.21	55.72	102.21	1,481.87	2,167.69	1,660.84	1,576.17	84.67	19.616		
9,000.00	7,563.81	8,559.59	7,703.44	87.17	55.59	99.70	1,457.03	2,170.73	1,669.40	1,584.64	84.76	19.696		
9,050.00	7,583.47	8,585.94	7,710.56	87.10	55.46	97.65	1,431.79	2,173.36	1,676.70	1,591.78	84.92	19.745		
9,100.00	7,599.81	8,612.30	7,716.59	87.00	55.33	96.02	1,406.23	2,175.58	1,682.67	1,597.53	85.14	19.764		
9,150.00	7,612.72	8,638.68	7,721.52	86.88	55.19	94.80	1,380.38	2,177.37	1,687.26	1,601.84	85.42	19.753		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1C-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,622.09	8,665.06	7,725.33	86.72	55.06	93.95	1,354.31	2,178.74	1,690.44	1,604.68	85.76	19.712		
9,250.00	7,627.87	8,700.00	7,728.64	86.55	54.87	93.46	1,319.55	2,179.89	1,692.22	1,606.42	85.80	19.723		
9,303.98	7,630.00	8,719.96	7,729.65	86.35	54.76	93.34	1,299.62	2,180.20	1,692.43	1,605.80	86.64	19.535		
9,337.55	7,630.00	8,746.75	7,730.00	86.22	54.62	93.35	1,284.67	2,180.29	1,692.22	1,605.21	87.01	19.448		
9,400.00	7,630.00	8,797.37	7,730.00	85.99	54.34	93.35	1,222.22	2,180.08	1,692.22	1,605.80	86.42	19.580		
9,500.00	7,630.00	8,902.63	7,730.00	85.62	53.81	93.35	1,122.22	2,179.73	1,692.23	1,606.75	85.48	19.796		
9,600.00	7,630.00	9,002.63	7,730.00	85.28	53.32	93.35	1,022.22	2,179.39	1,692.23	1,607.53	84.70	19.979		
9,700.00	7,630.00	9,097.37	7,730.00	84.95	52.89	93.35	922.22	2,179.05	1,692.24	1,608.16	84.08	20.127		
9,800.00	7,630.00	9,197.37	7,730.00	84.64	52.45	93.35	822.22	2,178.71	1,692.24	1,608.66	83.58	20.246		
9,900.00	7,630.00	9,297.37	7,730.00	84.34	52.04	93.35	722.22	2,178.37	1,692.25	1,609.01	83.23	20.331		
10,000.00	7,630.00	9,402.63	7,730.00	84.06	51.64	93.35	622.22	2,178.03	1,692.25	1,609.22	83.03	20.381		
10,100.00	7,630.00	9,502.63	7,730.00	83.80	51.28	93.35	522.22	2,177.69	1,692.26	1,609.27	82.99	20.392		
10,200.00	7,630.00	9,597.37	7,730.00	83.56	50.96	93.35	422.22	2,177.35	1,692.26	1,609.18	83.09	20.368		
10,300.00	7,630.00	9,702.63	7,730.00	83.33	50.63	93.35	322.22	2,177.00	1,692.27	1,608.92	83.35	20.304		
10,400.00	7,630.00	9,802.63	7,730.00	83.12	50.35	93.35	222.22	2,176.66	1,692.27	1,608.52	83.75	20.206		
10,500.00	7,630.00	9,902.63	7,730.00	82.92	50.09	93.35	122.22	2,176.32	1,692.28	1,607.98	84.30	20.074		
10,600.00	7,630.00	10,002.63	7,730.00	82.75	49.85	93.35	22.22	2,175.98	1,692.28	1,607.29	85.00	19.910		
10,700.00	7,630.00	10,102.63	7,730.00	82.59	49.65	93.35	-77.77	2,175.64	1,692.29	1,606.46	85.83	19.717		
10,800.00	7,630.00	10,202.63	7,730.00	82.45	49.48	93.35	-177.77	2,175.30	1,692.29	1,605.49	86.80	19.497		
10,900.00	7,630.00	10,302.63	7,730.00	82.33	49.35	93.35	-277.77	2,174.96	1,692.30	1,604.40	87.90	19.252		
11,000.00	7,630.00	10,402.63	7,730.00	82.22	49.27	93.35	-377.77	2,174.62	1,692.30	1,603.18	89.13	18.987		
11,100.00	7,630.00	10,502.63	7,730.00	82.14	49.26	93.35	-477.77	2,174.28	1,692.31	1,601.83	90.48	18.704		
11,200.00	7,630.00	10,597.37	7,730.00	82.08	49.32	93.35	-577.77	2,173.93	1,692.31	1,600.42	91.90	18.415		
11,300.00	7,630.00	10,697.37	7,730.00	82.04	49.50	93.35	-677.77	2,173.59	1,692.32	1,598.85	93.47	18.106		
11,400.00	7,630.00	10,802.63	7,730.00	82.02	49.84	93.35	-777.77	2,173.25	1,692.32	1,597.13	95.19	17.778		
11,500.00	7,630.00	10,902.63	7,730.00	82.03	50.32	93.35	-877.77	2,172.91	1,692.33	1,595.36	96.97	17.452		
11,600.00	7,630.00	10,997.37	7,730.00	82.06	50.94	93.35	-977.77	2,172.57	1,692.33	1,593.54	98.79	17.130		
11,700.00	7,630.00	11,102.63	7,730.00	82.12	51.77	93.35	-1,077.77	2,172.23	1,692.34	1,591.53	100.81	16.788		
11,800.00	7,630.00	11,202.63	7,730.00	82.21	52.69	93.35	-1,177.77	2,171.89	1,692.34	1,589.49	102.85	16.454		
11,900.00	7,630.00	11,302.63	7,730.00	82.33	53.70	93.35	-1,277.77	2,171.55	1,692.35	1,587.37	104.97	16.121		
12,000.00	7,630.00	11,402.63	7,730.00	82.48	54.78	93.35	-1,377.77	2,171.21	1,692.35	1,585.18	107.17	15.791		
12,100.00	7,630.00	11,502.63	7,730.00	82.66	55.92	93.35	-1,477.77	2,170.86	1,692.36	1,582.92	109.44	15.464		
12,200.00	7,630.00	11,602.63	7,730.00	82.88	57.10	93.35	-1,577.77	2,170.52	1,692.36	1,580.59	111.77	15.141		
12,300.00	7,630.00	11,702.63	7,730.00	83.14	58.33	93.35	-1,677.77	2,170.18	1,692.37	1,578.20	114.17	14.824		
12,400.00	7,630.00	11,802.63	7,730.00	83.44	59.59	93.35	-1,777.76	2,169.84	1,692.37	1,575.76	116.62	14.512		
12,500.00	7,630.00	11,902.63	7,730.00	83.79	60.88	93.35	-1,877.76	2,169.50	1,692.38	1,573.26	119.12	14.207		
12,600.00	7,630.00	12,002.63	7,730.00	84.18	62.19	93.35	-1,977.76	2,169.16	1,692.38	1,570.71	121.68	13.909		
12,700.00	7,630.00	12,102.63	7,730.00	84.61	63.53	93.35	-2,077.76	2,168.82	1,692.39	1,568.11	124.28	13.617		
12,800.00	7,630.00	12,197.37	7,730.00	85.10	64.81	93.35	-2,177.76	2,168.48	1,692.39	1,565.54	126.86	13.341		
12,900.00	7,630.00	12,302.63	7,730.00	85.64	66.26	93.35	-2,277.76	2,168.14	1,692.40	1,562.78	129.62	13.057		
13,000.00	7,630.00	12,402.63	7,730.00	86.22	67.66	93.35	-2,377.76	2,167.79	1,692.40	1,560.06	132.35	12.788		
13,100.00	7,630.00	12,502.63	7,730.00	86.86	69.07	93.35	-2,477.76	2,167.45	1,692.41	1,557.30	135.11	12.526		
13,200.00	7,630.00	12,602.63	7,730.00	87.56	70.49	93.35	-2,577.76	2,167.11	1,692.42	1,554.50	137.92	12.271		
13,300.00	7,630.00	12,702.63	7,730.00	88.30	71.93	93.35	-2,677.76	2,166.77	1,692.42	1,551.67	140.75	12.024		
13,400.00	7,630.00	12,802.63	7,730.00	89.10	73.39	93.35	-2,777.76	2,166.43	1,692.43	1,548.81	143.61	11.785		
13,500.00	7,630.00	12,902.63	7,730.00	89.94	74.85	93.35	-2,877.76	2,166.09	1,692.43	1,545.92	146.51	11.552		
13,600.00	7,630.00	13,002.63	7,730.00	90.84	76.33	93.35	-2,977.76	2,165.75	1,692.44	1,543.01	149.43	11.326		
13,700.00	7,630.00	13,102.63	7,730.00	91.78	77.82	93.35	-3,077.76	2,165.41	1,692.44	1,540.07	152.37	11.107		
13,800.00	7,630.00	13,202.63	7,730.00	92.77	79.32	93.35	-3,177.76	2,165.06	1,692.45	1,537.10	155.35	10.895		
13,900.00	7,630.00	13,302.63	7,730.00	93.79	80.83	93.35	-3,277.76	2,164.72	1,692.45	1,534.11	158.34	10.689		
14,000.00	7,630.00	13,402.63	7,730.00	94.86	82.35	93.35	-3,377.76	2,164.38	1,692.46	1,531.10	161.35	10.489		
14,100.00	7,630.00	13,502.63	7,730.00	95.97	83.88	93.35	-3,477.75	2,164.04	1,692.46	1,528.07	164.39	10.295		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1C-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,630.00	13,602.63	7,730.00	97.11	85.41	93.35	-3,577.75	2,163.70	1,692.47	1,525.02	167.45	10.108		
14,300.00	7,630.00	13,702.63	7,730.00	98.28	86.96	93.35	-3,677.75	2,163.36	1,692.47	1,521.95	170.52	9.925		
14,400.00	7,630.00	13,802.63	7,730.00	99.48	88.51	93.35	-3,777.75	2,163.02	1,692.48	1,518.87	173.61	9.749		
14,500.00	7,630.00	13,902.63	7,730.00	100.72	90.07	93.35	-3,877.75	2,162.68	1,692.48	1,515.76	176.72	9.577		
14,600.00	7,630.00	14,002.63	7,730.00	101.97	91.63	93.35	-3,977.75	2,162.34	1,692.49	1,512.65	179.84	9.411		
14,700.00	7,630.00	14,102.63	7,730.00	103.26	93.20	93.35	-4,077.75	2,161.99	1,692.49	1,509.51	182.98	9.250		
14,800.00	7,630.00	14,202.63	7,730.00	104.56	94.78	93.35	-4,177.75	2,161.65	1,692.50	1,506.37	186.13	9.093		
14,900.00	7,630.00	14,302.63	7,730.00	105.89	96.37	93.35	-4,277.75	2,161.31	1,692.50	1,503.21	189.29	8.941		
15,000.00	7,630.00	14,402.63	7,730.00	107.24	97.96	93.35	-4,377.75	2,160.97	1,692.51	1,500.04	192.47	8.794		
15,100.00	7,630.00	14,502.63	7,730.00	108.60	99.55	93.35	-4,477.75	2,160.63	1,692.51	1,496.85	195.66	8.650		
15,200.00	7,630.00	14,602.63	7,730.00	109.98	101.15	93.35	-4,577.75	2,160.29	1,692.52	1,493.66	198.86	8.511		
15,300.00	7,630.00	14,702.63	7,730.00	111.38	102.76	93.35	-4,677.75	2,159.95	1,692.52	1,490.45	202.07	8.376		
15,400.00	7,630.00	14,802.63	7,730.00	112.79	104.37	93.35	-4,777.75	2,159.61	1,692.53	1,487.23	205.30	8.244		
15,500.00	7,630.00	14,902.63	7,730.00	114.22	105.98	93.35	-4,877.75	2,159.27	1,692.53	1,484.00	208.53	8.117		
15,600.00	7,630.00	15,002.63	7,730.00	115.66	107.60	93.35	-4,977.75	2,158.92	1,692.54	1,480.77	211.77	7.992		
15,700.00	7,630.00	15,102.63	7,730.00	117.11	109.23	93.35	-5,077.75	2,158.58	1,692.54	1,477.52	215.02	7.872		
15,800.00	7,630.00	15,202.63	7,730.00	118.57	110.85	93.35	-5,177.75	2,158.24	1,692.55	1,474.27	218.28	7.754		
15,900.00	7,630.00	15,302.63	7,730.00	120.05	112.49	93.35	-5,277.74	2,157.90	1,692.55	1,471.00	221.55	7.640		
16,000.00	7,630.00	15,402.63	7,730.00	121.53	114.12	93.35	-5,377.74	2,157.56	1,692.56	1,467.73	224.82	7.528		
16,100.00	7,630.00	15,502.63	7,730.00	123.03	115.76	93.35	-5,477.74	2,157.22	1,692.56	1,464.46	228.11	7.420		
16,200.00	7,630.00	15,602.63	7,730.00	124.53	117.40	93.35	-5,577.74	2,156.88	1,692.57	1,461.17	231.40	7.315		
16,300.00	7,630.00	15,702.63	7,730.00	126.04	119.05	93.35	-5,677.74	2,156.54	1,692.57	1,457.88	234.70	7.212		
16,400.00	7,630.00	15,802.63	7,730.00	127.56	120.69	93.35	-5,777.74	2,156.20	1,692.58	1,454.58	238.00	7.112		
16,500.00	7,630.00	15,897.37	7,730.00	129.09	122.26	93.35	-5,877.74	2,155.85	1,692.58	1,451.36	241.22	7.017		
16,600.00	7,630.00	16,002.63	7,730.00	130.62	124.00	93.35	-5,977.74	2,155.51	1,692.59	1,447.96	244.63	6.919		
16,700.00	7,630.00	16,102.63	7,730.00	132.16	125.66	93.35	-6,077.74	2,155.17	1,692.59	1,444.64	247.95	6.826		
16,800.00	7,630.00	16,202.63	7,730.00	133.71	127.32	93.35	-6,177.74	2,154.83	1,692.60	1,441.32	251.28	6.736		
16,900.00	7,630.00	16,302.63	7,730.00	135.27	128.98	93.35	-6,277.74	2,154.49	1,692.60	1,437.99	254.61	6.648		
17,000.00	7,630.00	16,402.63	7,730.00	136.83	130.64	93.35	-6,377.74	2,154.15	1,692.61	1,434.66	257.95	6.562		
17,100.00	7,630.00	16,497.37	7,730.00	138.39	132.22	93.35	-6,477.74	2,153.81	1,692.61	1,431.41	261.21	6.480		
17,200.00	7,630.00	16,602.63	7,730.00	139.97	133.98	93.35	-6,577.74	2,153.47	1,692.62	1,427.98	264.64	6.396		
17,300.00	7,630.00	16,702.63	7,730.00	141.54	135.65	93.35	-6,677.74	2,153.12	1,692.62	1,424.63	268.00	6.316		
17,400.00	7,630.00	16,802.63	7,730.00	143.12	137.33	93.35	-6,777.74	2,152.78	1,692.63	1,421.27	271.35	6.238		
17,500.00	7,630.00	16,902.63	7,730.00	144.71	139.00	93.35	-6,877.74	2,152.44	1,692.63	1,417.92	274.72	6.161		
17,600.00	7,630.00	17,002.63	7,730.00	146.30	140.68	93.35	-6,977.73	2,152.10	1,692.64	1,414.56	278.08	6.087		
17,700.00	7,630.00	17,102.63	7,730.00	147.90	142.36	93.35	-7,077.73	2,151.76	1,692.64	1,411.19	281.45	6.014		
17,800.00	7,630.00	17,197.37	7,730.00	149.50	143.96	93.35	-7,177.73	2,151.42	1,692.65	1,407.91	284.74	5.945		
17,900.00	7,630.00	17,302.63	7,730.00	151.10	145.73	93.35	-7,277.73	2,151.08	1,692.65	1,404.45	288.20	5.873		
18,000.00	7,630.00	17,402.63	7,730.00	152.71	147.42	93.35	-7,377.73	2,150.74	1,692.66	1,401.07	291.59	5.805		
18,100.00	7,630.00	17,502.63	7,730.00	154.32	149.10	93.35	-7,477.73	2,150.40	1,692.66	1,397.69	294.97	5.738		
18,200.00	7,630.00	17,602.63	7,730.00	155.94	150.79	93.35	-7,577.73	2,150.05	1,692.67	1,394.31	298.36	5.673		
18,300.00	7,630.00	17,702.63	7,730.00	157.56	152.48	93.35	-7,677.73	2,149.71	1,692.67	1,390.92	301.75	5.610		
18,400.00	7,630.00	17,802.63	7,730.00	159.18	154.18	93.35	-7,777.73	2,149.37	1,692.68	1,387.53	305.15	5.547		
18,500.00	7,630.00	17,902.63	7,730.00	160.80	155.87	93.35	-7,877.73	2,149.03	1,692.68	1,384.14	308.54	5.486		
18,600.00	7,630.00	18,002.63	7,730.00	162.43	157.57	93.35	-7,977.73	2,148.69	1,692.69	1,380.75	311.94	5.426		
18,700.00	7,630.00	18,102.63	7,730.00	164.06	159.26	93.35	-8,077.73	2,148.35	1,692.69	1,377.35	315.35	5.368		
18,800.00	7,630.00	18,202.63	7,730.00	165.70	160.96	93.35	-8,177.73	2,148.01	1,692.70	1,373.95	318.75	5.310		
18,900.00	7,630.00	18,302.63	7,730.00	167.33	162.66	93.35	-8,277.73	2,147.67	1,692.70	1,370.54	322.16	5.254		
19,000.00	7,630.00	18,397.37	7,730.00	168.97	164.27	93.35	-8,377.73	2,147.33	1,692.71	1,367.23	325.48	5.201		
19,021.79	7,630.00	18,419.16	7,730.00	169.33	164.64	93.35	-8,399.52	2,147.25	1,692.71	1,366.48	326.23	5.189 SF		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1D-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	1.00	1.00	0.00	0.00	-89.48	0.36	-40.04	40.04					
100.00	100.00	101.00	101.00	0.13	0.14	-89.48	0.36	-40.04	40.04	39.77	0.27	146.976		
200.00	200.00	201.00	201.00	0.49	0.50	-89.48	0.36	-40.04	40.04	39.05	0.99	40.472		
300.00	300.00	301.00	301.00	0.85	0.85	-89.48	0.36	-40.04	40.04	38.34	1.71	23.467		
400.00	400.00	401.00	401.00	1.21	1.21	-89.48	0.36	-40.04	40.04	37.62	2.42	16.524		
500.00	500.00	501.00	501.00	1.57	1.57	-89.48	0.36	-40.04	40.04	36.90	3.14	12.751		
600.00	600.00	601.00	601.00	1.93	1.93	-89.48	0.36	-40.04	40.04	36.18	3.86	10.381		
700.00	700.00	701.00	701.00	2.29	2.29	-89.48	0.36	-40.04	40.04	35.47	4.57	8.754 CC, ES		
800.00	799.98	800.98	800.98	2.64	2.65	-152.41	0.36	-40.04	41.58	36.29	5.29	7.865		
900.00	899.84	900.84	900.84	2.99	3.01	-155.37	0.36	-40.04	46.28	40.29	6.00	7.717		
1,000.00	999.45	1,000.45	1,000.45	3.35	3.36	-159.14	0.36	-40.04	54.33	47.62	6.71	8.097		
1,100.00	1,098.70	1,099.70	1,099.70	3.73	3.72	-162.85	0.36	-40.04	65.87	58.44	7.42	8.872		
1,200.00	1,197.47	1,201.02	1,201.00	4.11	4.08	-165.58	1.48	-38.65	79.38	71.24	8.14	9.753		
1,300.00	1,295.62	1,302.84	1,302.67	4.53	4.44	-167.11	4.87	-34.46	93.16	84.31	8.85	10.527		
1,400.00	1,393.06	1,405.14	1,404.56	4.97	4.81	-167.88	10.57	-27.41	107.12	97.56	9.56	11.203		
1,500.00	1,489.64	1,507.93	1,506.55	5.44	5.18	-168.15	18.58	-17.49	121.20	110.93	10.28	11.795		
1,600.00	1,585.27	1,611.20	1,608.49	5.95	5.58	-168.07	28.95	-4.66	135.37	124.38	10.99	12.313		
1,700.00	1,679.82	1,714.94	1,710.23	6.51	5.99	-167.73	41.68	11.10	149.62	137.90	11.72	12.767		
1,800.00	1,773.17	1,819.16	1,811.63	7.13	6.43	-167.20	56.79	29.81	163.93	151.47	12.46	13.160		
1,900.00	1,865.21	1,923.85	1,912.54	7.79	6.91	-166.52	74.29	51.48	178.30	165.09	13.21	13.497		
2,000.00	1,955.84	2,029.00	2,012.80	8.51	7.42	-165.73	94.19	76.11	192.73	178.75	13.99	13.779		
2,100.00	2,044.94	2,134.61	2,112.26	9.30	7.99	-164.84	116.49	103.72	207.23	192.43	14.80	14.006		
2,200.00	2,132.39	2,240.66	2,210.76	10.15	8.61	-163.88	141.19	134.29	221.79	206.15	15.64	14.179		
2,300.00	2,218.11	2,347.16	2,308.14	11.07	9.28	-162.85	168.28	167.82	236.41	219.87	16.54	14.295		
2,400.00	2,301.97	2,454.09	2,404.23	12.06	10.03	-161.78	197.75	204.30	251.10	233.61	17.49	14.353		
2,500.00	2,383.88	2,561.45	2,498.88	13.11	10.84	-160.66	229.58	243.71	265.87	247.34	18.52	14.354		
2,512.74	2,394.17	2,575.16	2,510.83	13.25	10.94	-160.51	233.80	248.93	267.75	249.09	18.66	14.349		
2,600.00	2,464.54	2,662.78	2,586.86	14.22	11.66	-159.66	261.17	282.81	280.30	260.63	19.68	14.246		
2,700.00	2,545.18	2,761.64	2,672.62	15.35	12.48	-158.77	292.07	321.07	294.71	273.82	20.89	14.105		
2,800.00	2,625.82	2,860.50	2,758.38	16.50	13.33	-157.97	322.98	359.33	309.18	287.03	22.15	13.957		
2,900.00	2,706.45	2,959.36	2,844.13	17.65	14.19	-157.25	353.88	397.59	323.70	300.26	23.45	13.807		
3,000.00	2,787.09	3,058.22	2,929.89	18.82	15.07	-156.58	384.79	435.84	338.27	313.50	24.77	13.657		
3,100.00	2,867.73	3,157.08	3,015.65	19.99	15.96	-155.97	415.69	474.10	352.88	326.76	26.12	13.509		
3,200.00	2,948.37	3,255.94	3,101.41	21.17	16.85	-155.41	446.60	512.36	367.53	340.03	27.50	13.366		
3,300.00	3,029.01	3,354.80	3,187.16	22.36	17.76	-154.89	477.50	550.62	382.21	353.32	28.90	13.227		
3,400.00	3,109.65	3,453.66	3,272.92	23.55	18.67	-154.41	508.41	588.87	396.92	366.61	30.31	13.094		
3,500.00	3,190.29	3,552.52	3,358.68	24.74	19.58	-153.96	539.31	627.13	411.65	379.91	31.75	12.966		
3,600.00	3,270.93	3,651.38	3,444.44	25.94	20.50	-153.54	570.22	665.39	426.41	393.21	33.20	12.844		
3,700.00	3,351.57	3,750.23	3,530.20	27.14	21.43	-153.15	601.13	703.65	441.19	406.52	34.66	12.728		
3,800.00	3,432.21	3,849.09	3,615.95	28.35	22.36	-152.79	632.03	741.91	455.98	419.84	36.14	12.618		
3,900.00	3,512.85	3,947.95	3,701.71	29.56	23.29	-152.45	662.94	780.16	470.79	433.17	37.63	12.512		
4,000.00	3,593.49	4,046.81	3,787.47	30.76	24.23	-152.13	693.84	818.42	485.62	446.50	39.12	12.412		
4,100.00	3,674.13	4,145.67	3,873.23	31.97	25.17	-151.83	724.75	856.68	500.46	459.83	40.63	12.317		
4,200.00	3,754.77	4,244.53	3,958.98	33.19	26.11	-151.55	755.65	894.94	515.32	473.17	42.15	12.227		
4,300.00	3,835.41	4,343.39	4,044.74	34.40	27.05	-151.28	786.56	933.20	530.18	486.51	43.67	12.141		
4,400.00	3,916.05	4,442.25	4,130.50	35.62	27.99	-151.03	817.46	971.45	545.06	499.86	45.20	12.059		
4,500.00	3,996.69	4,541.11	4,216.26	36.83	28.94	-150.79	848.37	1,009.71	559.95	513.21	46.74	11.981		
4,600.00	4,077.33	4,639.97	4,302.02	38.05	29.89	-150.56	879.27	1,047.97	574.84	526.56	48.28	11.907		
4,700.00	4,157.96	4,738.83	4,387.77	39.27	30.84	-150.35	910.18	1,086.23	589.74	539.92	49.83	11.836		
4,800.00	4,238.60	4,837.69	4,473.53	40.49	31.79	-150.14	941.08	1,124.49	604.66	553.28	51.38	11.769		
4,900.00	4,319.24	4,936.55	4,559.29	41.71	32.74	-149.95	971.99	1,162.74	619.57	566.64	52.93	11.704		
5,000.00	4,399.88	5,035.41	4,645.05	42.93	33.69	-149.76	1,002.89	1,201.00	634.50	580.00	54.50	11.643		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1D-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,480.52	5,134.27	4,730.80	44.15	34.64	-149.59	1,033.80	1,239.26	649.43	593.37	56.06	11.584		
5,200.00	4,561.16	5,233.13	4,816.56	45.37	35.60	-149.42	1,064.70	1,277.52	664.37	606.74	57.63	11.528		
5,300.00	4,641.80	5,331.99	4,902.32	46.59	36.55	-149.25	1,095.61	1,315.78	679.31	620.11	59.20	11.475		
5,400.00	4,722.44	5,430.85	4,988.08	47.82	37.51	-149.10	1,126.51	1,354.03	694.26	633.48	60.78	11.423		
5,500.00	4,803.08	5,529.71	5,073.84	49.04	38.47	-148.95	1,157.42	1,392.29	709.21	646.86	62.35	11.374		
5,600.00	4,883.72	5,628.57	5,159.59	50.27	39.43	-148.81	1,188.33	1,430.55	724.17	660.23	63.94	11.327		
5,700.00	4,964.36	5,727.42	5,245.35	51.49	40.38	-148.67	1,219.23	1,468.81	739.13	673.61	65.52	11.281		
5,800.00	5,045.00	5,826.28	5,331.11	52.71	41.34	-148.54	1,250.14	1,507.07	754.09	686.99	67.10	11.238		
5,900.00	5,125.64	5,925.14	5,416.87	53.94	42.30	-148.42	1,281.04	1,545.32	769.06	700.37	68.69	11.196		
6,000.00	5,206.28	6,024.00	5,502.62	55.17	43.26	-148.29	1,311.95	1,583.58	784.03	713.75	70.28	11.156		
6,100.00	5,286.92	6,122.86	5,588.38	56.39	44.22	-148.18	1,342.85	1,621.84	799.01	727.14	71.87	11.117		
6,200.00	5,367.56	6,221.72	5,674.14	57.62	45.18	-148.07	1,373.76	1,660.10	813.99	740.52	73.47	11.079		
6,300.00	5,448.20	6,320.58	5,759.90	58.84	46.14	-147.96	1,404.66	1,698.36	828.97	753.91	75.06	11.044		
6,400.00	5,528.84	6,419.44	5,845.65	60.07	47.10	-147.85	1,435.57	1,736.61	843.95	767.29	76.66	11.009		
6,500.00	5,609.47	6,518.30	5,931.41	61.30	48.07	-147.75	1,466.47	1,774.87	858.94	780.68	78.26	10.976		
6,600.00	5,690.11	6,617.16	6,017.17	62.53	49.03	-147.66	1,497.38	1,813.13	873.93	794.07	79.86	10.943		
6,700.00	5,770.75	6,716.02	6,102.93	63.75	49.99	-147.56	1,528.28	1,851.39	888.92	807.46	81.46	10.912		
6,800.00	5,851.39	6,814.88	6,188.69	64.98	50.95	-147.47	1,559.19	1,889.65	903.92	820.85	83.06	10.882		
6,900.00	5,932.03	6,913.74	6,274.44	66.21	51.92	-147.38	1,590.09	1,927.90	918.91	834.24	84.67	10.853		
7,000.00	6,012.67	7,012.60	6,360.20	67.44	52.88	-147.30	1,621.00	1,966.16	933.91	847.64	86.27	10.825		
7,100.00	6,093.31	7,111.46	6,445.96	68.66	53.84	-147.21	1,651.90	2,004.42	948.91	861.03	87.88	10.798		
7,200.00	6,173.95	7,210.32	6,531.72	69.89	54.81	-147.13	1,682.81	2,042.68	963.91	874.43	89.49	10.771		
7,300.00	6,254.59	7,309.18	6,617.47	71.12	55.77	-147.06	1,713.71	2,080.94	978.92	887.82	91.10	10.746		
7,400.00	6,335.23	7,408.04	6,703.23	72.35	56.73	-146.98	1,744.62	2,119.19	993.92	901.22	92.71	10.721		
7,500.00	6,415.87	7,506.90	6,788.99	73.58	57.70	-146.91	1,775.53	2,157.45	1,008.93	914.61	94.32	10.697		
7,600.00	6,496.51	7,605.76	6,874.75	74.81	58.66	-146.84	1,806.43	2,195.71	1,023.94	928.01	95.93	10.674		
7,700.00	6,577.15	7,710.68	6,965.94	76.04	59.68	-146.80	1,838.62	2,236.39	1,038.89	941.33	97.56	10.648		
7,800.00	6,657.79	7,835.43	7,078.19	77.27	60.73	-147.77	1,858.65	2,286.40	1,052.09	954.09	98.00	10.735		
7,900.00	6,738.43	7,948.58	7,181.30	78.50	61.44	-149.86	1,853.46	2,332.26	1,063.73	967.03	96.71	11.000		
8,000.00	6,819.07	8,044.48	7,266.57	79.73	61.82	-152.43	1,831.77	2,370.12	1,075.79	981.29	94.50	11.384		
8,100.00	6,899.71	8,122.64	7,332.87	80.96	62.00	-155.02	1,802.78	2,399.52	1,090.36	998.28	92.07	11.842		
8,200.00	6,980.35	8,185.39	7,383.10	82.18	62.06	-157.37	1,772.53	2,421.76	1,109.10	1,019.37	89.72	12.361		
8,240.58	7,013.07	8,207.15	7,399.78	82.68	62.07	-158.24	1,760.66	2,429.14	1,118.15	1,029.35	88.81	12.591		
8,250.00	7,020.68	8,211.98	7,403.42	82.80	62.07	-159.85	1,757.94	2,430.76	1,120.38	1,031.79	88.60	12.646		
8,300.00	7,061.63	8,237.59	7,422.39	83.40	62.06	-168.88	1,742.92	2,439.14	1,132.90	1,045.34	87.56	12.939		
8,350.00	7,103.23	8,263.15	7,440.69	83.97	62.05	-178.55	1,727.01	2,447.23	1,146.39	1,059.76	86.63	13.234		
8,400.00	7,145.18	8,288.69	7,458.31	84.51	62.02	171.42	1,710.25	2,455.02	1,160.62	1,074.82	85.80	13.528		
8,450.00	7,187.16	8,314.21	7,475.22	85.01	61.99	161.37	1,692.66	2,462.48	1,175.35	1,090.30	85.06	13.818		
8,500.00	7,228.84	8,339.71	7,491.40	85.46	61.94	151.66	1,674.28	2,469.62	1,190.37	1,105.97	84.41	14.103		
8,550.00	7,269.91	8,365.21	7,506.80	85.86	61.89	142.57	1,655.13	2,476.41	1,205.47	1,121.63	83.84	14.379		
8,600.00	7,310.05	8,390.71	7,521.41	86.20	61.83	134.30	1,635.25	2,482.84	1,220.44	1,137.09	83.35	14.643		
8,650.00	7,348.97	8,416.21	7,535.21	86.50	61.76	126.91	1,614.68	2,488.91	1,235.11	1,152.17	82.94	14.892		
8,700.00	7,386.36	8,441.72	7,548.15	86.74	61.68	120.40	1,593.45	2,494.59	1,249.30	1,166.69	82.61	15.123		
8,750.00	7,421.94	8,467.23	7,560.22	86.93	61.60	114.73	1,571.62	2,499.89	1,262.87	1,180.50	82.37	15.332		
8,800.00	7,455.44	8,500.00	7,574.41	87.07	61.48	109.70	1,542.74	2,506.11	1,275.70	1,193.78	81.92	15.573		
8,850.00	7,486.61	8,518.27	7,581.66	87.16	61.41	105.58	1,526.27	2,509.27	1,287.56	1,205.41	82.15	15.673		
8,900.00	7,515.20	8,550.00	7,593.09	87.20	61.29	101.91	1,497.10	2,514.26	1,298.48	1,216.56	81.91	15.852		
8,950.00	7,541.00	8,569.36	7,599.33	87.21	61.20	98.93	1,478.98	2,516.98	1,308.22	1,225.91	82.31	15.893		
9,000.00	7,563.81	8,600.00	7,608.07	87.17	61.07	96.35	1,449.86	2,520.77	1,316.82	1,234.52	82.30	15.999		
9,050.00	7,583.47	8,620.48	7,613.10	87.10	60.98	94.32	1,430.13	2,522.94	1,324.11	1,241.23	82.88	15.977		
9,100.00	7,599.81	8,650.00	7,619.23	87.00	60.84	92.65	1,401.37	2,525.57	1,330.10	1,246.99	83.11	16.005		
9,150.00	7,612.72	8,671.63	7,622.85	86.88	60.74	91.43	1,380.11	2,527.11	1,334.68	1,250.84	83.84	15.920		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1D-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,622.09	8,700.00	7,626.48	86.72	60.60	90.56	1,352.01	2,528.63	1,337.86	1,253.55	84.31	15.869		
9,250.00	7,627.87	8,722.80	7,628.48	86.55	60.49	90.07	1,329.32	2,529.44	1,339.58	1,254.41	85.17	15.728		
9,303.98	7,630.00	8,750.00	7,629.78	86.35	60.35	89.95	1,302.16	2,529.93	1,339.82	1,253.77	86.05	15.571		
9,331.90	7,630.00	8,769.80	7,630.00	86.24	60.25	89.96	1,289.07	2,529.98	1,339.64	1,253.10	86.54	15.479		
9,400.00	7,630.00	8,831.19	7,630.00	85.99	59.94	89.96	1,220.96	2,529.75	1,339.64	1,253.81	85.83	15.608		
9,500.00	7,630.00	8,931.19	7,630.00	85.62	59.46	89.96	1,120.96	2,529.42	1,339.64	1,254.80	84.84	15.790		
9,600.00	7,630.00	9,031.19	7,630.00	85.28	59.01	89.96	1,020.97	2,529.08	1,339.64	1,255.65	83.99	15.950		
9,700.00	7,630.00	9,131.19	7,630.00	84.95	58.58	89.96	920.97	2,528.74	1,339.64	1,256.37	83.28	16.086		
9,800.00	7,630.00	9,231.19	7,630.00	84.64	58.17	89.96	820.97	2,528.41	1,339.64	1,256.93	82.71	16.196		
9,900.00	7,630.00	9,331.19	7,630.00	84.34	57.79	89.96	720.97	2,528.07	1,339.65	1,257.35	82.30	16.279		
10,000.00	7,630.00	9,431.19	7,630.00	84.06	57.43	89.96	620.97	2,527.74	1,339.65	1,257.62	82.03	16.331		
10,100.00	7,630.00	9,531.19	7,630.00	83.80	57.09	89.96	520.97	2,527.40	1,339.65	1,257.73	81.91	16.354		
10,200.00	7,630.00	9,631.19	7,630.00	83.56	56.78	89.96	420.97	2,527.06	1,339.65	1,257.69	81.95	16.347		
10,300.00	7,630.00	9,731.19	7,630.00	83.33	56.48	89.96	320.97	2,526.73	1,339.65	1,257.50	82.14	16.309		
10,400.00	7,630.00	9,831.19	7,630.00	83.12	56.22	89.96	220.97	2,526.39	1,339.65	1,257.16	82.49	16.241		
10,500.00	7,630.00	9,931.19	7,630.00	82.92	55.97	89.96	120.97	2,526.05	1,339.65	1,256.67	82.98	16.145		
10,600.00	7,630.00	10,031.19	7,630.00	82.75	55.76	89.96	20.97	2,525.72	1,339.65	1,256.03	83.62	16.022		
10,700.00	7,630.00	10,131.19	7,630.00	82.59	55.57	89.96	-79.03	2,525.38	1,339.65	1,255.25	84.40	15.873		
10,800.00	7,630.00	10,231.19	7,630.00	82.45	55.41	89.96	-179.03	2,525.04	1,339.65	1,254.33	85.32	15.702		
10,900.00	7,630.00	10,331.19	7,630.00	82.33	55.28	89.96	-279.03	2,524.71	1,339.65	1,253.28	86.38	15.510		
11,000.00	7,630.00	10,431.19	7,630.00	82.22	55.19	89.96	-379.03	2,524.37	1,339.65	1,252.09	87.56	15.299		
11,100.00	7,630.00	10,531.19	7,630.00	82.14	55.14	89.96	-479.03	2,524.03	1,339.65	1,250.78	88.87	15.074		
11,200.00	7,630.00	10,631.19	7,630.00	82.08	55.14	89.96	-579.03	2,523.70	1,339.65	1,249.35	90.30	14.835		
11,300.00	7,630.00	10,731.19	7,630.00	82.04	55.20	89.96	-679.03	2,523.36	1,339.65	1,247.80	91.85	14.585		
11,400.00	7,630.00	10,831.19	7,630.00	82.02	55.33	89.96	-779.02	2,523.02	1,339.65	1,246.15	93.50	14.328		
11,500.00	7,630.00	10,931.19	7,630.00	82.03	55.54	89.96	-879.02	2,522.69	1,339.65	1,244.40	95.26	14.064		
11,600.00	7,630.00	11,031.19	7,630.00	82.06	55.84	89.96	-979.02	2,522.35	1,339.65	1,242.55	97.11	13.796		
11,700.00	7,630.00	11,131.19	7,630.00	82.12	56.25	89.96	-1,079.02	2,522.01	1,339.66	1,240.60	99.05	13.525		
11,800.00	7,630.00	11,231.19	7,630.00	82.21	56.77	89.96	-1,179.02	2,521.68	1,339.66	1,238.58	101.08	13.253		
11,900.00	7,630.00	11,331.19	7,630.00	82.33	57.40	89.96	-1,279.02	2,521.34	1,339.66	1,236.47	103.19	12.982		
12,000.00	7,630.00	11,431.19	7,630.00	82.48	58.15	89.96	-1,379.02	2,521.00	1,339.66	1,234.28	105.38	12.713		
12,100.00	7,630.00	11,531.19	7,630.00	82.66	58.99	89.96	-1,479.02	2,520.67	1,339.66	1,232.02	107.63	12.446		
12,200.00	7,630.00	11,631.19	7,630.00	82.88	59.92	89.96	-1,579.02	2,520.33	1,339.66	1,229.70	109.96	12.183		
12,300.00	7,630.00	11,731.19	7,630.00	83.14	60.93	89.96	-1,679.02	2,519.99	1,339.66	1,227.31	112.35	11.924		
12,400.00	7,630.00	11,831.19	7,630.00	83.44	62.01	89.96	-1,779.02	2,519.66	1,339.66	1,224.86	114.80	11.670		
12,500.00	7,630.00	11,931.19	7,630.00	83.79	63.14	89.96	-1,879.02	2,519.32	1,339.66	1,222.36	117.30	11.421		
12,600.00	7,630.00	12,031.19	7,630.00	84.18	64.32	89.96	-1,979.02	2,518.98	1,339.66	1,219.81	119.85	11.178		
12,700.00	7,630.00	12,131.19	7,630.00	84.61	65.54	89.96	-2,079.02	2,518.65	1,339.66	1,217.20	122.46	10.940		
12,800.00	7,630.00	12,231.19	7,630.00	85.10	66.80	89.96	-2,179.02	2,518.31	1,339.66	1,214.56	125.10	10.708		
12,900.00	7,630.00	12,331.19	7,630.00	85.64	68.09	89.96	-2,279.02	2,517.97	1,339.66	1,211.87	127.80	10.483		
13,000.00	7,630.00	12,431.19	7,630.00	86.22	69.41	89.96	-2,379.02	2,517.64	1,339.66	1,209.13	130.53	10.263		
13,100.00	7,630.00	12,531.19	7,630.00	86.86	70.75	89.96	-2,479.01	2,517.30	1,339.66	1,206.37	133.30	10.050		
13,200.00	7,630.00	12,631.19	7,630.00	87.56	72.11	89.96	-2,579.01	2,516.96	1,339.66	1,203.56	136.10	9.843		
13,300.00	7,630.00	12,731.19	7,630.00	88.30	73.49	89.96	-2,679.01	2,516.63	1,339.66	1,200.72	138.94	9.642		
13,400.00	7,630.00	12,831.19	7,630.00	89.10	74.89	89.96	-2,779.01	2,516.29	1,339.66	1,197.85	141.81	9.447		
13,500.00	7,630.00	12,931.19	7,630.00	89.94	76.31	89.96	-2,879.01	2,515.95	1,339.66	1,194.96	144.71	9.258		
13,600.00	7,630.00	13,031.19	7,630.00	90.84	77.74	89.96	-2,979.01	2,515.62	1,339.67	1,192.03	147.63	9.074		
13,700.00	7,630.00	13,131.19	7,630.00	91.78	79.19	89.96	-3,079.01	2,515.28	1,339.67	1,189.08	150.59	8.896		
13,800.00	7,630.00	13,231.19	7,630.00	92.77	80.65	89.96	-3,179.01	2,514.94	1,339.67	1,186.10	153.56	8.724		
13,900.00	7,630.00	13,331.19	7,630.00	93.79	82.12	89.96	-3,279.01	2,514.61	1,339.67	1,183.10	156.56	8.557		
14,000.00	7,630.00	13,431.19	7,630.00	94.86	83.61	89.96	-3,379.01	2,514.27	1,339.67	1,180.08	159.59	8.395		
14,100.00	7,630.00	13,531.19	7,630.00	95.97	85.10	89.96	-3,479.01	2,513.93	1,339.67	1,177.04	162.63	8.238		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1D-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,630.00	13,631.19	7,630.00	97.11	86.61	89.96	-3,579.01	2,513.60	1,339.67	1,173.98	165.69	8.085		
14,300.00	7,630.00	13,731.19	7,630.00	98.28	88.12	89.96	-3,679.01	2,513.26	1,339.67	1,170.90	168.77	7.938		
14,400.00	7,630.00	13,831.19	7,630.00	99.48	89.65	89.96	-3,779.01	2,512.92	1,339.67	1,167.80	171.87	7.795		
14,500.00	7,630.00	13,931.19	7,630.00	100.72	91.18	89.96	-3,879.01	2,512.59	1,339.67	1,164.69	174.98	7.656		
14,600.00	7,630.00	14,031.19	7,630.00	101.97	92.72	89.96	-3,979.01	2,512.25	1,339.67	1,161.56	178.12	7.521		
14,700.00	7,630.00	14,131.19	7,630.00	103.26	94.27	89.96	-4,079.01	2,511.91	1,339.67	1,158.41	181.26	7.391		
14,800.00	7,630.00	14,231.19	7,630.00	104.56	95.82	89.96	-4,179.01	2,511.58	1,339.67	1,155.25	184.42	7.264		
14,900.00	7,630.00	14,331.19	7,630.00	105.89	97.38	89.96	-4,279.00	2,511.24	1,339.67	1,152.08	187.59	7.141		
15,000.00	7,630.00	14,431.19	7,630.00	107.24	98.95	89.96	-4,379.00	2,510.90	1,339.67	1,148.90	190.78	7.022		
15,100.00	7,630.00	14,531.19	7,630.00	108.60	100.52	89.96	-4,479.00	2,510.57	1,339.67	1,145.70	193.97	6.906		
15,200.00	7,630.00	14,631.19	7,630.00	109.98	102.10	89.96	-4,579.00	2,510.23	1,339.67	1,142.49	197.18	6.794		
15,300.00	7,630.00	14,731.19	7,630.00	111.38	103.69	89.96	-4,679.00	2,509.89	1,339.67	1,139.27	200.40	6.685		
15,400.00	7,630.00	14,831.19	7,630.00	112.79	105.28	89.96	-4,779.00	2,509.56	1,339.68	1,136.04	203.63	6.579		
15,500.00	7,630.00	14,931.19	7,630.00	114.22	106.88	89.96	-4,879.00	2,509.22	1,339.68	1,132.80	206.87	6.476		
15,600.00	7,630.00	15,031.19	7,630.00	115.66	108.48	89.96	-4,979.00	2,508.88	1,339.68	1,129.55	210.12	6.376		
15,700.00	7,630.00	15,131.19	7,630.00	117.11	110.09	89.96	-5,079.00	2,508.55	1,339.68	1,126.29	213.38	6.278		
15,800.00	7,630.00	15,231.19	7,630.00	118.57	111.70	89.96	-5,179.00	2,508.21	1,339.68	1,123.03	216.65	6.184		
15,900.00	7,630.00	15,331.19	7,630.00	120.05	113.31	89.96	-5,279.00	2,507.88	1,339.68	1,119.75	219.93	6.092		
16,000.00	7,630.00	15,431.19	7,630.00	121.53	114.93	89.96	-5,379.00	2,507.54	1,339.68	1,116.47	223.21	6.002		
16,100.00	7,630.00	15,531.19	7,630.00	123.03	116.55	89.96	-5,479.00	2,507.20	1,339.68	1,113.18	226.50	5.915		
16,200.00	7,630.00	15,631.19	7,630.00	124.53	118.18	89.96	-5,579.00	2,506.87	1,339.68	1,109.88	229.80	5.830		
16,300.00	7,630.00	15,731.19	7,630.00	126.04	119.81	89.96	-5,679.00	2,506.53	1,339.68	1,106.58	233.10	5.747		
16,400.00	7,630.00	15,831.19	7,630.00	127.56	121.44	89.96	-5,779.00	2,506.19	1,339.68	1,103.27	236.42	5.667		
16,500.00	7,630.00	15,931.19	7,630.00	129.09	123.08	89.96	-5,879.00	2,505.86	1,339.68	1,099.95	239.73	5.588		
16,600.00	7,630.00	16,031.19	7,630.00	130.62	124.72	89.96	-5,979.00	2,505.52	1,339.68	1,096.62	243.06	5.512		
16,700.00	7,630.00	16,131.19	7,630.00	132.16	126.37	89.96	-6,078.99	2,505.18	1,339.68	1,093.29	246.39	5.437		
16,800.00	7,630.00	16,231.19	7,630.00	133.71	128.01	89.96	-6,178.99	2,504.85	1,339.68	1,089.96	249.72	5.365		
16,900.00	7,630.00	16,331.19	7,630.00	135.27	129.66	89.96	-6,278.99	2,504.51	1,339.68	1,086.62	253.07	5.294		
17,000.00	7,630.00	16,431.19	7,630.00	136.83	131.32	89.96	-6,378.99	2,504.17	1,339.68	1,083.27	256.41	5.225		
17,100.00	7,630.00	16,531.19	7,630.00	138.39	132.97	89.96	-6,478.99	2,503.84	1,339.68	1,079.92	259.76	5.157		
17,200.00	7,630.00	16,631.19	7,630.00	139.97	134.63	89.96	-6,578.99	2,503.50	1,339.69	1,076.57	263.12	5.092		
17,300.00	7,630.00	16,731.19	7,630.00	141.54	136.29	89.96	-6,678.99	2,503.16	1,339.69	1,073.21	266.48	5.027		
17,400.00	7,630.00	16,831.19	7,630.00	143.12	137.95	89.96	-6,778.99	2,502.83	1,339.69	1,069.84	269.85	4.965		
17,500.00	7,630.00	16,931.19	7,630.00	144.71	139.62	89.96	-6,878.99	2,502.49	1,339.69	1,066.47	273.22	4.903		
17,600.00	7,630.00	17,031.19	7,630.00	146.30	141.29	89.96	-6,978.99	2,502.15	1,339.69	1,063.10	276.59	4.844		
17,700.00	7,630.00	17,131.19	7,630.00	147.90	142.96	89.96	-7,078.99	2,501.82	1,339.69	1,059.72	279.97	4.785		
17,800.00	7,630.00	17,231.19	7,630.00	149.50	144.63	89.96	-7,178.99	2,501.48	1,339.69	1,056.34	283.35	4.728		
17,900.00	7,630.00	17,331.19	7,630.00	151.10	146.30	89.96	-7,278.99	2,501.14	1,339.69	1,052.96	286.73	4.672		
18,000.00	7,630.00	17,431.19	7,630.00	152.71	147.98	89.96	-7,378.99	2,500.81	1,339.69	1,049.57	290.12	4.618		
18,100.00	7,630.00	17,531.19	7,630.00	154.32	149.66	89.96	-7,478.99	2,500.47	1,339.69	1,046.18	293.51	4.564		
18,200.00	7,630.00	17,631.19	7,630.00	155.94	151.34	89.96	-7,578.99	2,500.13	1,339.69	1,042.78	296.91	4.512		
18,300.00	7,630.00	17,731.19	7,630.00	157.56	153.02	89.96	-7,678.99	2,499.80	1,339.69	1,039.38	300.31	4.461		
18,400.00	7,630.00	17,831.19	7,630.00	159.18	154.70	89.96	-7,778.99	2,499.46	1,339.69	1,035.98	303.71	4.411		
18,500.00	7,630.00	17,931.19	7,630.00	160.80	156.39	89.96	-7,878.98	2,499.12	1,339.69	1,032.58	307.11	4.362		
18,600.00	7,630.00	18,031.19	7,630.00	162.43	158.07	89.96	-7,978.98	2,498.79	1,339.69	1,029.17	310.52	4.314		
18,700.00	7,630.00	18,131.19	7,630.00	164.06	159.76	89.96	-8,078.98	2,498.45	1,339.69	1,025.76	313.93	4.267		
18,800.00	7,630.00	18,231.19	7,630.00	165.70	161.45	89.96	-8,178.98	2,498.11	1,339.69	1,022.35	317.35	4.222		
18,900.00	7,630.00	18,331.19	7,630.00	167.33	163.14	89.96	-8,278.98	2,497.78	1,339.69	1,018.93	320.76	4.177		
19,000.00	7,630.00	18,431.19	7,630.00	168.97	164.84	89.96	-8,378.98	2,497.44	1,339.70	1,015.52	324.18	4.133		
19,021.79	7,630.00	18,452.98	7,630.00	169.33	165.21	89.96	-8,400.77	2,497.37	1,339.70	1,014.77	324.92	4.123 SF		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1E-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	1.00	1.00	0.00	0.00	-89.30	0.36	-29.96	29.96					
100.00	100.00	101.00	101.00	0.13	0.14	-89.30	0.36	-29.96	29.96	29.69	0.27	109.979		
200.00	200.00	201.00	201.00	0.49	0.50	-89.30	0.36	-29.96	29.96	28.97	0.99	30.284		
300.00	300.00	301.00	301.00	0.85	0.85	-89.30	0.36	-29.96	29.96	28.26	1.71	17.560		
400.00	400.00	401.00	401.00	1.21	1.21	-89.30	0.36	-29.96	29.96	27.54	2.42	12.364		
500.00	500.00	501.00	501.00	1.57	1.57	-89.30	0.36	-29.96	29.96	26.82	3.14	9.542		
600.00	600.00	601.00	601.00	1.93	1.93	-89.30	0.36	-29.96	29.96	26.11	3.86	7.768		
700.00	700.00	701.00	701.00	2.29	2.29	-89.30	0.36	-29.96	29.96	25.39	4.57	6.550	CC, ES	
800.00	799.98	800.98	800.98	2.64	2.65	-152.61	0.36	-29.96	31.50	26.21	5.29	5.959		
900.00	899.84	900.84	900.84	2.99	3.01	-156.38	0.36	-29.96	36.23	30.23	6.00	6.041		
1,000.00	999.45	1,000.46	1,000.46	3.35	3.36	-160.84	0.36	-29.96	44.35	37.64	6.71	6.610		
1,100.00	1,098.70	1,101.50	1,101.48	3.73	3.72	-164.22	1.41	-28.49	54.38	46.96	7.42	7.328		
1,200.00	1,197.47	1,202.91	1,202.74	4.11	4.08	-166.16	4.52	-24.10	64.63	56.50	8.13	7.952		
1,300.00	1,295.62	1,304.69	1,304.11	4.53	4.45	-167.22	9.74	-16.76	74.99	66.16	8.83	8.491		
1,400.00	1,393.06	1,406.83	1,405.47	4.97	4.82	-167.71	17.06	-6.45	85.43	75.89	9.54	8.957		
1,500.00	1,489.64	1,509.34	1,506.67	5.44	5.21	-167.82	26.51	6.86	95.91	85.66	10.25	9.360		
1,600.00	1,585.27	1,612.22	1,607.57	5.95	5.63	-167.66	38.10	23.17	106.42	95.46	10.96	9.710		
1,700.00	1,679.82	1,715.46	1,708.05	6.51	6.07	-167.30	51.82	42.51	116.94	105.26	11.68	10.011		
1,800.00	1,773.17	1,819.06	1,807.94	7.13	6.54	-166.78	67.69	64.86	127.47	115.06	12.42	10.268		
1,900.00	1,865.21	1,923.01	1,907.12	7.79	7.06	-166.14	85.71	90.23	138.01	124.84	13.17	10.482		
2,000.00	1,955.84	2,027.31	2,005.44	8.51	7.63	-165.41	105.87	118.62	148.55	134.61	13.94	10.655		
2,100.00	2,044.94	2,131.96	2,102.74	9.30	8.24	-164.60	128.17	150.02	159.09	144.34	14.75	10.788		
2,200.00	2,132.39	2,236.95	2,198.87	10.15	8.92	-163.72	152.59	184.41	169.63	154.04	15.59	10.880		
2,300.00	2,218.11	2,342.28	2,293.70	11.07	9.66	-162.80	179.12	221.77	180.17	163.68	16.48	10.930		
2,400.00	2,301.97	2,447.93	2,387.07	12.06	10.48	-161.82	207.75	262.09	190.70	173.27	17.43	10.939		
2,500.00	2,383.88	2,551.71	2,477.03	13.11	11.33	-160.85	237.69	304.26	201.41	182.94	18.48	10.899		
2,512.74	2,394.17	2,564.36	2,487.94	13.25	11.44	-160.75	241.40	309.47	202.92	184.30	18.63	10.895		
2,600.00	2,464.54	2,650.96	2,562.65	14.22	12.19	-160.17	266.76	345.19	213.44	193.81	19.63	10.872		
2,700.00	2,545.18	2,750.20	2,648.26	15.35	13.07	-159.57	295.82	386.12	225.51	204.69	20.82	10.834		
2,800.00	2,625.82	2,849.44	2,733.87	16.50	13.96	-159.03	324.89	427.05	237.61	215.58	22.03	10.785		
2,900.00	2,706.45	2,948.68	2,819.48	17.65	14.87	-158.55	353.95	467.98	249.72	226.45	23.27	10.730		
3,000.00	2,787.09	3,047.93	2,905.09	18.82	15.79	-158.11	383.01	508.90	261.85	237.31	24.54	10.671		
3,100.00	2,867.73	3,147.17	2,990.70	19.99	16.72	-157.71	412.08	549.83	274.00	248.17	25.82	10.610		
3,200.00	2,948.37	3,246.41	3,076.31	21.17	17.66	-157.34	441.14	590.76	286.15	259.03	27.13	10.549		
3,300.00	3,029.01	3,345.65	3,161.92	22.36	18.61	-157.00	470.21	631.69	298.32	269.87	28.45	10.487		
3,400.00	3,109.65	3,444.89	3,247.53	23.55	19.56	-156.69	499.27	672.62	310.50	280.72	29.78	10.426		
3,500.00	3,190.29	3,544.14	3,333.14	24.74	20.51	-156.40	528.33	713.55	322.68	291.56	31.13	10.366		
3,600.00	3,270.93	3,643.38	3,418.75	25.94	21.47	-156.13	557.40	754.48	334.88	302.39	32.49	10.308		
3,700.00	3,351.57	3,742.62	3,504.36	27.14	22.44	-155.89	586.46	795.41	347.08	313.22	33.85	10.252		
3,800.00	3,432.21	3,841.86	3,589.97	28.35	23.40	-155.65	615.53	836.34	359.28	324.05	35.23	10.198		
3,900.00	3,512.85	3,941.11	3,675.58	29.56	24.37	-155.44	644.59	877.27	371.49	334.88	36.62	10.146		
4,000.00	3,593.49	4,040.35	3,761.19	30.76	25.34	-155.24	673.65	918.20	383.71	345.70	38.01	10.095		
4,100.00	3,674.13	4,139.59	3,846.80	31.97	26.32	-155.05	702.72	959.13	395.93	356.52	39.41	10.047		
4,200.00	3,754.77	4,238.83	3,932.41	33.19	27.29	-154.87	731.78	1,000.06	408.15	367.34	40.81	10.000		
4,300.00	3,835.41	4,338.07	4,018.02	34.40	28.27	-154.70	760.85	1,040.99	420.38	378.15	42.22	9.956		
4,400.00	3,916.05	4,437.32	4,103.63	35.62	29.25	-154.54	789.91	1,081.92	432.61	388.97	43.64	9.913		
4,500.00	3,996.69	4,536.56	4,189.24	36.83	30.23	-154.39	818.98	1,122.85	444.84	399.78	45.06	9.872		
4,600.00	4,077.33	4,635.80	4,274.85	38.05	31.21	-154.25	848.04	1,163.77	457.08	410.59	46.49	9.833		
4,700.00	4,157.96	4,735.04	4,360.46	39.27	32.20	-154.12	877.10	1,204.70	469.32	421.41	47.91	9.795		
4,800.00	4,238.60	4,834.29	4,446.07	40.49	33.18	-153.99	906.17	1,245.63	481.56	432.22	49.35	9.759		
4,900.00	4,319.24	4,933.53	4,531.68	41.71	34.17	-153.87	935.23	1,286.56	493.81	443.02	50.78	9.724		
5,000.00	4,399.88	5,032.77	4,617.29	42.93	35.16	-153.75	964.30	1,327.49	506.05	453.83	52.22	9.691		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1E-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,480.52	5,132.01	4,702.90	44.15	36.14	-153.64	993.36	1,368.42	518.30	464.64	53.66	9.658		
5,200.00	4,561.16	5,231.26	4,788.51	45.37	37.13	-153.54	1,022.42	1,409.35	530.55	475.44	55.11	9.628		
5,300.00	4,641.80	5,330.50	4,874.12	46.59	38.12	-153.44	1,051.49	1,450.28	542.80	486.25	56.55	9.598		
5,400.00	4,722.44	5,429.74	4,959.73	47.82	39.11	-153.34	1,080.55	1,491.21	555.06	497.05	58.00	9.569		
5,500.00	4,803.08	5,528.98	5,045.34	49.04	40.10	-153.25	1,109.62	1,532.14	567.31	507.86	59.45	9.542		
5,600.00	4,883.72	5,628.22	5,130.95	50.27	41.09	-153.16	1,138.68	1,573.07	579.57	518.66	60.91	9.516		
5,700.00	4,964.36	5,727.47	5,216.56	51.49	42.08	-153.08	1,167.74	1,614.00	591.82	529.46	62.36	9.490		
5,800.00	5,045.00	5,826.71	5,302.17	52.71	43.07	-153.00	1,196.81	1,654.93	604.08	540.26	63.82	9.466		
5,900.00	5,125.64	5,925.95	5,387.78	53.94	44.07	-152.92	1,225.87	1,695.86	616.34	551.07	65.28	9.442		
6,000.00	5,206.28	6,025.19	5,473.39	55.17	45.06	-152.84	1,254.94	1,736.79	628.60	561.87	66.74	9.419		
6,100.00	5,286.92	6,124.44	5,559.00	56.39	46.05	-152.77	1,284.00	1,777.71	640.87	572.67	68.20	9.397		
6,200.00	5,367.56	6,223.68	5,644.61	57.62	47.05	-152.70	1,313.06	1,818.64	653.13	583.47	69.66	9.376		
6,300.00	5,448.20	6,322.92	5,730.22	58.84	48.04	-152.64	1,342.13	1,859.57	665.39	594.27	71.12	9.355		
6,400.00	5,528.84	6,422.16	5,815.83	60.07	49.03	-152.57	1,371.19	1,900.50	677.66	605.07	72.59	9.335		
6,500.00	5,609.47	6,521.40	5,901.44	61.30	50.03	-152.51	1,400.26	1,941.43	689.92	615.87	74.06	9.316		
6,600.00	5,690.11	6,620.65	5,987.05	62.53	51.02	-152.45	1,429.32	1,982.36	702.19	626.66	75.52	9.298		
6,700.00	5,770.75	6,719.89	6,072.66	63.75	52.02	-152.39	1,458.38	2,023.29	714.45	637.46	76.99	9.280		
6,800.00	5,851.39	6,819.13	6,158.27	64.98	53.01	-152.34	1,487.45	2,064.22	726.72	648.26	78.46	9.262		
6,900.00	5,932.03	6,918.37	6,243.88	66.21	54.01	-152.29	1,516.51	2,105.15	738.99	659.06	79.93	9.245		
7,000.00	6,012.67	7,017.62	6,329.49	67.44	55.01	-152.23	1,545.58	2,146.08	751.26	669.86	81.40	9.229		
7,100.00	6,093.31	7,116.86	6,415.10	68.66	56.00	-152.18	1,574.64	2,187.01	763.53	680.65	82.87	9.213		
7,200.00	6,173.95	7,216.10	6,500.71	69.89	57.00	-152.13	1,603.70	2,227.94	775.80	691.45	84.35	9.198		
7,300.00	6,254.59	7,315.34	6,586.32	71.12	57.99	-152.09	1,632.77	2,268.87	788.07	702.25	85.82	9.183		
7,400.00	6,335.23	7,414.59	6,671.94	72.35	58.99	-152.04	1,661.83	2,309.80	800.34	713.04	87.30	9.168		
7,500.00	6,415.87	7,513.83	6,757.55	73.58	59.99	-152.00	1,690.90	2,350.73	812.61	723.84	88.77	9.154		
7,600.00	6,496.51	7,613.07	6,843.16	74.81	60.98	-151.95	1,719.96	2,391.65	824.88	734.64	90.25	9.140		
7,700.00	6,577.15	7,712.31	6,928.77	76.04	61.98	-151.91	1,749.03	2,432.58	837.15	745.43	91.72	9.127		
7,800.00	6,657.79	7,811.55	7,014.38	77.27	62.98	-151.87	1,778.09	2,473.51	849.43	756.23	93.20	9.114		
7,900.00	6,738.43	7,910.80	7,099.99	78.50	63.98	-151.83	1,807.15	2,514.44	861.70	767.02	94.68	9.102		
8,000.00	6,819.07	8,010.04	7,185.60	79.73	64.97	-151.79	1,836.22	2,555.37	873.97	777.82	96.15	9.089		
8,100.00	6,899.71	8,114.74	7,277.38	80.96	65.97	-152.19	1,860.45	2,599.23	885.99	788.91	97.08	9.126		
8,200.00	6,980.35	8,215.48	7,368.04	82.18	66.78	-153.68	1,866.19	2,642.49	897.65	801.26	96.39	9.313		
8,240.58	7,013.07	8,253.60	7,402.37	82.68	67.04	-154.52	1,863.75	2,658.85	902.55	806.80	95.75	9.426		
8,250.00	7,020.68	8,262.21	7,410.10	82.80	67.09	-156.03	1,862.84	2,662.54	903.72	808.14	95.58	9.455		
8,300.00	7,061.63	8,307.13	7,450.18	83.40	67.35	-164.48	1,856.06	2,681.63	910.24	815.52	94.72	9.610		
8,350.00	7,103.23	8,350.89	7,488.65	83.97	67.56	-173.50	1,846.13	2,699.95	917.20	823.28	93.92	9.766		
8,400.00	7,145.18	8,393.62	7,525.45	84.51	67.73	177.17	1,833.33	2,717.45	924.50	831.32	93.18	9.921		
8,450.00	7,187.16	8,435.43	7,560.54	85.01	67.86	167.85	1,817.89	2,734.14	932.06	839.53	92.53	10.073		
8,500.00	7,228.84	8,476.44	7,593.88	85.46	67.95	158.89	1,800.04	2,749.98	939.77	847.82	91.95	10.220		
8,550.00	7,269.91	8,516.75	7,625.44	85.86	68.01	150.54	1,779.96	2,764.96	947.55	856.09	91.46	10.360		
8,600.00	7,310.05	8,556.43	7,655.20	86.20	68.05	142.98	1,757.85	2,779.08	955.29	864.24	91.05	10.492		
8,650.00	7,348.97	8,595.57	7,683.13	86.50	68.06	136.27	1,733.86	2,792.32	962.90	872.19	90.71	10.615		
8,700.00	7,386.36	8,634.23	7,709.21	86.74	68.04	130.40	1,708.14	2,804.67	970.30	879.85	90.45	10.727		
8,750.00	7,421.94	8,672.47	7,733.41	86.93	68.00	125.31	1,680.84	2,816.12	977.40	887.14	90.26	10.828		
8,800.00	7,455.44	8,710.36	7,755.72	87.07	67.95	120.93	1,652.10	2,826.67	984.13	893.98	90.15	10.917		
8,850.00	7,486.61	8,750.00	7,777.17	87.16	67.87	117.17	1,620.35	2,836.79	990.41	900.42	89.99	11.006		
8,900.00	7,515.20	8,785.25	7,794.55	87.20	67.78	114.01	1,590.80	2,844.98	996.16	906.05	90.12	11.054		
8,950.00	7,541.00	8,822.34	7,811.02	87.21	67.67	111.33	1,558.49	2,852.73	1,001.35	911.14	90.21	11.100		
9,000.00	7,563.81	8,859.25	7,825.51	87.17	67.56	109.11	1,525.23	2,859.52	1,005.92	915.55	90.37	11.132		
9,050.00	7,583.47	8,896.02	7,838.00	87.10	67.43	107.30	1,491.15	2,865.36	1,009.81	919.22	90.59	11.147		
9,100.00	7,599.81	8,932.68	7,848.45	87.00	67.28	105.87	1,456.37	2,870.23	1,013.00	922.13	90.87	11.147		
9,150.00	7,612.72	8,969.25	7,856.87	86.88	67.13	104.80	1,420.99	2,874.13	1,015.46	924.24	91.22	11.132		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1E-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,622.09	9,005.78	7,863.22	86.72	66.98	104.06	1,385.14	2,877.04	1,017.15	925.54	91.61	11.103		
9,250.00	7,627.87	9,042.29	7,867.50	86.55	66.82	103.65	1,348.94	2,878.95	1,018.08	926.03	92.05	11.060		
9,303.98	7,630.00	9,081.72	7,869.77	86.35	66.63	103.56	1,309.60	2,879.91	1,018.20	925.63	92.57	10.999		
9,327.15	7,630.00	9,098.68	7,870.00	86.26	66.55	103.58	1,292.64	2,879.96	1,018.13	925.33	92.80	10.971		
9,400.00	7,630.00	9,171.52	7,870.00	85.99	66.22	103.58	1,219.80	2,879.71	1,018.13	925.90	92.23	11.039		
9,500.00	7,630.00	9,271.52	7,870.00	85.62	65.77	103.58	1,119.80	2,879.37	1,018.13	926.57	91.56	11.119		
9,600.00	7,630.00	9,371.52	7,870.00	85.28	65.35	103.58	1,019.80	2,879.04	1,018.14	927.12	91.02	11.186		
9,700.00	7,630.00	9,471.52	7,870.00	84.95	64.96	103.58	919.80	2,878.70	1,018.14	927.53	90.61	11.237		
9,800.00	7,630.00	9,571.52	7,870.00	84.64	64.58	103.58	819.80	2,878.36	1,018.14	927.82	90.32	11.272		
9,900.00	7,630.00	9,671.52	7,870.00	84.34	64.23	103.58	719.80	2,878.02	1,018.14	927.97	90.17	11.291		
10,000.00	7,630.00	9,771.52	7,870.00	84.06	63.89	103.58	619.80	2,877.68	1,018.14	927.99	90.15	11.294		
10,100.00	7,630.00	9,871.52	7,870.00	83.80	63.58	103.58	519.80	2,877.35	1,018.15	927.88	90.26	11.280		
10,200.00	7,630.00	9,971.52	7,870.00	83.56	63.29	103.58	419.80	2,877.01	1,018.15	927.64	90.51	11.249		
10,300.00	7,630.00	10,071.52	7,870.00	83.33	63.03	103.58	319.80	2,876.67	1,018.15	927.26	90.88	11.203		
10,400.00	7,630.00	10,171.52	7,870.00	83.12	62.78	103.58	219.80	2,876.33	1,018.15	926.76	91.39	11.141		
10,500.00	7,630.00	10,271.52	7,870.00	82.92	62.56	103.58	119.80	2,875.99	1,018.15	926.13	92.02	11.064		
10,600.00	7,630.00	10,371.52	7,870.00	82.75	62.36	103.58	19.81	2,875.66	1,018.15	925.37	92.78	10.974		
10,700.00	7,630.00	10,471.52	7,870.00	82.59	62.19	103.58	-80.19	2,875.32	1,018.16	924.49	93.66	10.871		
10,800.00	7,630.00	10,571.52	7,870.00	82.45	62.04	103.58	-180.19	2,874.98	1,018.16	923.50	94.66	10.756		
10,900.00	7,630.00	10,671.52	7,870.00	82.33	61.93	103.58	-280.19	2,874.64	1,018.16	922.39	95.77	10.631		
11,000.00	7,630.00	10,771.52	7,870.00	82.22	61.84	103.58	-380.19	2,874.31	1,018.16	921.17	96.99	10.497		
11,100.00	7,630.00	10,871.52	7,870.00	82.14	61.79	103.58	-480.19	2,873.97	1,018.16	919.84	98.32	10.355		
11,200.00	7,630.00	10,971.52	7,870.00	82.08	61.77	103.58	-580.19	2,873.63	1,018.16	918.41	99.75	10.207		
11,300.00	7,630.00	11,071.52	7,870.00	82.04	61.79	103.58	-680.19	2,873.29	1,018.17	916.88	101.28	10.053		
11,400.00	7,630.00	11,171.52	7,870.00	82.02	61.86	103.58	-780.19	2,872.95	1,018.17	915.26	102.90	9.894		
11,500.00	7,630.00	11,271.52	7,870.00	82.03	61.99	103.58	-880.19	2,872.62	1,018.17	913.55	104.62	9.733		
11,600.00	7,630.00	11,371.52	7,870.00	82.06	62.17	103.58	-980.19	2,872.28	1,018.17	911.76	106.41	9.568		
11,700.00	7,630.00	11,471.52	7,870.00	82.12	62.41	103.58	-1,080.19	2,871.94	1,018.17	909.89	108.29	9.402		
11,800.00	7,630.00	11,571.52	7,870.00	82.21	62.73	103.58	-1,180.19	2,871.60	1,018.17	907.93	110.24	9.236		
11,900.00	7,630.00	11,671.52	7,870.00	82.33	63.13	103.58	-1,280.19	2,871.26	1,018.18	905.91	112.27	9.069		
12,000.00	7,630.00	11,771.52	7,870.00	82.48	63.60	103.58	-1,380.19	2,870.93	1,018.18	903.82	114.36	8.903		
12,100.00	7,630.00	11,871.52	7,870.00	82.66	64.16	103.58	-1,480.19	2,870.59	1,018.18	901.66	116.52	8.738		
12,200.00	7,630.00	11,971.52	7,870.00	82.88	64.81	103.58	-1,580.19	2,870.25	1,018.18	899.44	118.74	8.575		
12,300.00	7,630.00	12,071.52	7,870.00	83.14	65.55	103.58	-1,680.19	2,869.91	1,018.18	897.17	121.02	8.414		
12,400.00	7,630.00	12,171.52	7,870.00	83.44	66.36	103.58	-1,780.18	2,869.58	1,018.19	894.84	123.35	8.254		
12,500.00	7,630.00	12,271.52	7,870.00	83.79	67.25	103.58	-1,880.18	2,869.24	1,018.19	892.45	125.73	8.098		
12,600.00	7,630.00	12,371.52	7,870.00	84.18	68.20	103.58	-1,980.18	2,868.90	1,018.19	890.02	128.17	7.944		
12,700.00	7,630.00	12,471.52	7,870.00	84.61	69.22	103.58	-2,080.18	2,868.56	1,018.19	887.54	130.65	7.793		
12,800.00	7,630.00	12,571.52	7,870.00	85.10	70.29	103.58	-2,180.18	2,868.22	1,018.19	885.02	133.17	7.646		
12,900.00	7,630.00	12,671.52	7,870.00	85.64	71.42	103.58	-2,280.18	2,867.89	1,018.19	882.46	135.73	7.501		
13,000.00	7,630.00	12,771.52	7,870.00	86.22	72.59	103.58	-2,380.18	2,867.55	1,018.20	879.86	138.34	7.360		
13,100.00	7,630.00	12,871.52	7,870.00	86.86	73.79	103.58	-2,480.18	2,867.21	1,018.20	877.22	140.97	7.223		
13,200.00	7,630.00	12,971.52	7,870.00	87.56	75.03	103.58	-2,580.18	2,866.87	1,018.20	874.55	143.65	7.088		
13,300.00	7,630.00	13,071.52	7,870.00	88.30	76.30	103.58	-2,680.18	2,866.54	1,018.20	871.85	146.36	6.957		
13,400.00	7,630.00	13,171.52	7,870.00	89.10	77.60	103.58	-2,780.18	2,866.20	1,018.20	869.11	149.09	6.829		
13,500.00	7,630.00	13,271.52	7,870.00	89.94	78.93	103.58	-2,880.18	2,865.86	1,018.20	866.34	151.86	6.705		
13,600.00	7,630.00	13,371.52	7,870.00	90.84	80.28	103.58	-2,980.18	2,865.52	1,018.21	863.55	154.65	6.584		
13,700.00	7,630.00	13,471.52	7,870.00	91.78	81.65	103.58	-3,080.18	2,865.18	1,018.21	860.73	157.48	6.466		
13,800.00	7,630.00	13,571.52	7,870.00	92.77	83.03	103.58	-3,180.18	2,864.85	1,018.21	857.89	160.32	6.351		
13,900.00	7,630.00	13,671.52	7,870.00	93.79	84.44	103.58	-3,280.18	2,864.51	1,018.21	855.02	163.19	6.239		
14,000.00	7,630.00	13,771.52	7,870.00	94.86	85.86	103.58	-3,380.18	2,864.17	1,018.21	852.13	166.08	6.131		
14,100.00	7,630.00	13,871.52	7,870.00	95.97	87.30	103.58	-3,480.17	2,863.83	1,018.21	849.22	168.99	6.025		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1E-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,630.00	13,971.52	7,870.00	97.11	88.74	103.58	-3,580.17	2,863.49	1,018.22	846.29	171.93	5.922		
14,300.00	7,630.00	14,071.52	7,870.00	98.28	90.21	103.58	-3,680.17	2,863.16	1,018.22	843.34	174.88	5.822		
14,400.00	7,630.00	14,171.52	7,870.00	99.48	91.68	103.58	-3,780.17	2,862.82	1,018.22	840.37	177.85	5.725		
14,500.00	7,630.00	14,271.52	7,870.00	100.72	93.17	103.58	-3,880.17	2,862.48	1,018.22	837.38	180.84	5.631		
14,600.00	7,630.00	14,371.52	7,870.00	101.97	94.66	103.58	-3,980.17	2,862.14	1,018.22	834.38	183.84	5.539		
14,700.00	7,630.00	14,471.52	7,870.00	103.26	96.17	103.58	-4,080.17	2,861.81	1,018.23	831.36	186.86	5.449		
14,800.00	7,630.00	14,571.52	7,870.00	104.56	97.68	103.58	-4,180.17	2,861.47	1,018.23	828.33	189.89	5.362		
14,900.00	7,630.00	14,671.52	7,870.00	105.89	99.20	103.58	-4,280.17	2,861.13	1,018.23	825.29	192.94	5.277		
15,000.00	7,630.00	14,771.52	7,870.00	107.24	100.73	103.58	-4,380.17	2,860.79	1,018.23	822.23	196.00	5.195		
15,100.00	7,630.00	14,871.52	7,870.00	108.60	102.27	103.58	-4,480.17	2,860.45	1,018.23	819.15	199.08	5.115		
15,200.00	7,630.00	14,971.52	7,870.00	109.98	103.82	103.58	-4,580.17	2,860.12	1,018.23	816.07	202.17	5.037		
15,300.00	7,630.00	15,071.52	7,870.00	111.38	105.37	103.58	-4,680.17	2,859.78	1,018.24	812.97	205.27	4.961		
15,400.00	7,630.00	15,171.52	7,870.00	112.79	106.93	103.58	-4,780.17	2,859.44	1,018.24	809.86	208.38	4.887		
15,500.00	7,630.00	15,271.52	7,870.00	114.22	108.50	103.58	-4,880.17	2,859.10	1,018.24	806.74	211.50	4.814		
15,600.00	7,630.00	15,371.52	7,870.00	115.66	110.07	103.58	-4,980.17	2,858.76	1,018.24	803.61	214.63	4.744		
15,700.00	7,630.00	15,471.52	7,870.00	117.11	111.65	103.58	-5,080.17	2,858.43	1,018.24	800.47	217.77	4.676		
15,800.00	7,630.00	15,571.52	7,870.00	118.57	113.23	103.57	-5,180.17	2,858.09	1,018.24	797.33	220.92	4.609		
15,900.00	7,630.00	15,671.52	7,870.00	120.05	114.82	103.57	-5,280.16	2,857.75	1,018.25	794.17	224.08	4.544		
16,000.00	7,630.00	15,771.52	7,870.00	121.53	116.42	103.57	-5,380.16	2,857.41	1,018.25	791.00	227.25	4.481		
16,100.00	7,630.00	15,871.52	7,870.00	123.03	118.01	103.57	-5,480.16	2,857.08	1,018.25	787.83	230.42	4.419		
16,200.00	7,630.00	15,971.52	7,870.00	124.53	119.62	103.57	-5,580.16	2,856.74	1,018.25	784.64	233.61	4.359		
16,300.00	7,630.00	16,071.52	7,870.00	126.04	121.22	103.57	-5,680.16	2,856.40	1,018.25	781.45	236.80	4.300		
16,400.00	7,630.00	16,171.52	7,870.00	127.56	122.84	103.57	-5,780.16	2,856.06	1,018.25	778.26	240.00	4.243		
16,500.00	7,630.00	16,271.52	7,870.00	129.09	124.45	103.57	-5,880.16	2,855.72	1,018.26	775.05	243.20	4.187		
16,600.00	7,630.00	16,371.52	7,870.00	130.62	126.07	103.57	-5,980.16	2,855.39	1,018.26	771.84	246.42	4.132		
16,700.00	7,630.00	16,471.52	7,870.00	132.16	127.70	103.57	-6,080.16	2,855.05	1,018.26	768.62	249.64	4.079		
16,800.00	7,630.00	16,571.52	7,870.00	133.71	129.32	103.57	-6,180.16	2,854.71	1,018.26	765.40	252.86	4.027		
16,900.00	7,630.00	16,671.52	7,870.00	135.27	130.95	103.57	-6,280.16	2,854.37	1,018.26	762.17	256.09	3.976		
17,000.00	7,630.00	16,771.52	7,870.00	136.83	132.59	103.57	-6,380.16	2,854.03	1,018.27	758.93	259.33	3.927		
17,100.00	7,630.00	16,871.52	7,870.00	138.39	134.22	103.57	-6,480.16	2,853.70	1,018.27	755.69	262.57	3.878		
17,200.00	7,630.00	16,971.52	7,870.00	139.97	135.86	103.57	-6,580.16	2,853.36	1,018.27	752.45	265.82	3.831		
17,300.00	7,630.00	17,071.52	7,870.00	141.54	137.51	103.57	-6,680.16	2,853.02	1,018.27	749.19	269.08	3.784		
17,400.00	7,630.00	17,171.52	7,870.00	143.12	139.15	103.57	-6,780.16	2,852.68	1,018.27	745.94	272.33	3.739		
17,500.00	7,630.00	17,271.52	7,870.00	144.71	140.80	103.57	-6,880.16	2,852.35	1,018.27	742.68	275.60	3.695		
17,600.00	7,630.00	17,371.52	7,870.00	146.30	142.45	103.57	-6,980.16	2,852.01	1,018.28	739.41	278.87	3.651		
17,700.00	7,630.00	17,471.52	7,870.00	147.90	144.11	103.57	-7,080.15	2,851.67	1,018.28	736.14	282.14	3.609		
17,800.00	7,630.00	17,571.52	7,870.00	149.50	145.76	103.57	-7,180.15	2,851.33	1,018.28	732.86	285.42	3.568		
17,900.00	7,630.00	17,671.52	7,870.00	151.10	147.42	103.57	-7,280.15	2,850.99	1,018.28	729.58	288.70	3.527		
18,000.00	7,630.00	17,771.52	7,870.00	152.71	149.08	103.57	-7,380.15	2,850.66	1,018.28	726.30	291.98	3.487		
18,100.00	7,630.00	17,871.52	7,870.00	154.32	150.75	103.57	-7,480.15	2,850.32	1,018.28	723.01	295.27	3.449		
18,200.00	7,630.00	17,971.52	7,870.00	155.94	152.41	103.57	-7,580.15	2,849.98	1,018.29	719.72	298.56	3.411		
18,300.00	7,630.00	18,071.52	7,870.00	157.56	154.08	103.57	-7,680.15	2,849.64	1,018.29	716.43	301.86	3.373		
18,400.00	7,630.00	18,171.52	7,870.00	159.18	155.75	103.57	-7,780.15	2,849.31	1,018.29	713.13	305.16	3.337		
18,500.00	7,630.00	18,271.52	7,870.00	160.80	157.42	103.57	-7,880.15	2,848.97	1,018.29	709.83	308.46	3.301		
18,600.00	7,630.00	18,371.52	7,870.00	162.43	159.09	103.57	-7,980.15	2,848.63	1,018.29	706.52	311.77	3.266		
18,700.00	7,630.00	18,471.52	7,870.00	164.06	160.77	103.57	-8,080.15	2,848.29	1,018.29	703.22	315.08	3.232		
18,800.00	7,630.00	18,571.52	7,870.00	165.70	162.45	103.57	-8,180.15	2,847.95	1,018.30	699.90	318.39	3.198		
18,900.00	7,630.00	18,671.52	7,870.00	167.33	164.13	103.57	-8,280.15	2,847.62	1,018.30	696.59	321.71	3.165		
19,000.00	7,630.00	18,771.52	7,870.00	168.97	165.81	103.57	-8,380.15	2,847.28	1,018.30	693.27	325.03	3.133		
19,021.79	7,630.00	18,793.31	7,870.00	169.33	166.17	103.57	-8,401.94	2,847.20	1,018.30	692.55	325.75	3.126 SF		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1F-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	1.00	1.00	0.00	0.00	-88.96	0.36	-20.16	20.16					
100.00	100.00	101.00	101.00	0.13	0.14	-88.96	0.36	-20.16	20.16	19.89	0.27	74.011		
200.00	200.00	201.00	201.00	0.49	0.50	-88.96	0.36	-20.16	20.16	19.17	0.99	20.380		
300.00	300.00	301.00	301.00	0.85	0.85	-88.96	0.36	-20.16	20.16	18.46	1.71	11.817		
400.00	400.00	401.00	401.00	1.21	1.21	-88.96	0.36	-20.16	20.16	17.74	2.42	8.321		
500.00	500.00	501.00	501.00	1.57	1.57	-88.96	0.36	-20.16	20.16	17.02	3.14	6.421		
600.00	600.00	601.00	601.00	1.93	1.93	-88.96	0.36	-20.16	20.16	16.31	3.86	5.228		
700.00	700.00	701.00	701.00	2.29	2.29	-88.96	0.36	-20.16	20.16	15.59	4.57	4.408	CC, ES	
800.00	799.98	800.98	800.98	2.64	2.65	-152.99	0.36	-20.16	21.70	16.42	5.29	4.105		
900.00	899.84	900.84	900.84	2.99	3.01	-158.10	0.36	-20.16	26.47	20.48	6.00	4.414		
1,000.00	999.45	1,001.56	1,001.54	3.35	3.36	-162.36	1.34	-18.65	33.06	26.35	6.71	4.930		
1,100.00	1,098.70	1,102.52	1,102.35	3.73	3.72	-164.79	4.24	-14.15	39.82	32.41	7.41	5.376		
1,200.00	1,197.47	1,203.72	1,203.15	4.11	4.08	-166.16	9.08	-6.64	46.67	38.57	8.11	5.757		
1,300.00	1,295.62	1,305.17	1,303.82	4.53	4.46	-166.87	15.86	3.88	53.58	44.77	8.81	6.083		
1,400.00	1,393.06	1,406.86	1,404.22	4.97	4.85	-167.14	24.60	17.43	60.50	51.00	9.51	6.363		
1,500.00	1,489.64	1,508.79	1,504.22	5.44	5.26	-167.10	35.28	34.00	67.44	57.23	10.21	6.605		
1,600.00	1,585.27	1,610.96	1,603.69	5.95	5.70	-166.85	47.92	53.61	74.39	63.46	10.92	6.811		
1,700.00	1,679.82	1,713.37	1,702.49	6.51	6.18	-166.43	62.51	76.24	81.33	69.68	11.64	6.985		
1,800.00	1,773.17	1,816.01	1,800.48	7.13	6.69	-165.88	79.04	101.88	88.26	75.88	12.38	7.131		
1,900.00	1,865.21	1,918.89	1,897.54	7.79	7.26	-165.22	97.51	130.53	95.18	82.05	13.13	7.248		
2,000.00	1,955.84	2,021.99	1,993.53	8.51	7.87	-164.49	117.90	162.16	102.10	88.19	13.91	7.339		
2,100.00	2,044.94	2,125.32	2,088.30	9.30	8.55	-163.69	140.20	196.75	109.00	94.27	14.73	7.402		
2,200.00	2,132.39	2,228.87	2,181.72	10.15	9.29	-162.84	164.39	234.27	115.89	100.31	15.58	7.438		
2,300.00	2,218.11	2,332.63	2,273.66	11.07	10.09	-161.94	190.45	274.69	122.76	106.28	16.49	7.447		
2,400.00	2,301.97	2,436.61	2,363.98	12.06	10.96	-161.01	218.36	317.98	129.62	112.17	17.45	7.428		
2,500.00	2,383.88	2,540.80	2,452.55	13.11	11.91	-160.04	248.08	364.09	136.47	117.98	18.48	7.383		
2,512.74	2,394.17	2,554.09	2,463.70	13.25	12.03	-159.91	252.00	370.16	137.34	118.72	18.62	7.375		
2,600.00	2,464.54	2,641.34	2,536.73	14.22	12.87	-159.13	277.87	410.29	143.19	123.50	19.69	7.272		
2,700.00	2,545.18	2,741.09	2,620.22	15.35	13.86	-158.32	307.45	456.17	149.91	128.95	20.96	7.152		
2,800.00	2,625.82	2,840.84	2,703.71	16.50	14.86	-157.57	337.03	502.05	156.67	134.39	22.27	7.034		
2,900.00	2,706.45	2,940.60	2,787.20	17.65	15.87	-156.89	366.61	547.93	163.44	139.82	23.62	6.920		
3,000.00	2,787.09	3,040.35	2,870.69	18.82	16.90	-156.26	396.19	593.81	170.24	145.25	25.00	6.810		
3,100.00	2,867.73	3,140.10	2,954.18	19.99	17.93	-155.68	425.76	639.69	177.06	150.66	26.40	6.706		
3,200.00	2,948.37	3,239.85	3,037.67	21.17	18.98	-155.14	455.34	685.57	183.90	156.06	27.83	6.607		
3,300.00	3,029.01	3,339.60	3,121.16	22.36	20.03	-154.64	484.92	731.45	190.75	161.46	29.29	6.513		
3,400.00	3,109.65	3,439.36	3,204.65	23.55	21.08	-154.18	514.50	777.33	197.61	166.85	30.76	6.424		
3,500.00	3,190.29	3,539.11	3,288.14	24.74	22.15	-153.74	544.08	823.21	204.49	172.24	32.25	6.341		
3,600.00	3,270.93	3,638.86	3,371.63	25.94	23.21	-153.34	573.66	869.09	211.37	177.62	33.76	6.262		
3,700.00	3,351.57	3,738.61	3,455.12	27.14	24.28	-152.96	603.24	914.97	218.27	182.99	35.28	6.187		
3,800.00	3,432.21	3,838.36	3,538.61	28.35	25.35	-152.60	632.82	960.86	225.17	188.36	36.81	6.117		
3,900.00	3,512.85	3,938.11	3,622.10	29.56	26.43	-152.27	662.39	1,006.74	232.09	193.73	38.35	6.051		
4,000.00	3,593.49	4,037.87	3,705.59	30.76	27.51	-151.95	691.97	1,052.62	239.01	199.10	39.91	5.989		
4,100.00	3,674.13	4,137.62	3,789.08	31.97	28.59	-151.65	721.55	1,098.50	245.94	204.46	41.48	5.930		
4,200.00	3,754.77	4,237.37	3,872.57	33.19	29.67	-151.37	751.13	1,144.38	252.87	209.82	43.05	5.874		
4,300.00	3,835.41	4,337.12	3,956.06	34.40	30.75	-151.11	780.71	1,190.26	259.81	215.18	44.63	5.821		
4,400.00	3,916.05	4,436.87	4,039.55	35.62	31.84	-150.85	810.29	1,236.14	266.75	220.53	46.22	5.772		
4,500.00	3,996.69	4,536.63	4,123.03	36.83	32.92	-150.61	839.87	1,282.02	273.70	225.89	47.81	5.724		
4,600.00	4,077.33	4,636.38	4,206.52	38.05	34.01	-150.38	869.45	1,327.90	280.66	231.24	49.42	5.679		
4,700.00	4,157.96	4,736.13	4,290.01	39.27	35.10	-150.17	899.02	1,373.78	287.62	236.59	51.02	5.637		
4,800.00	4,238.60	4,835.88	4,373.50	40.49	36.19	-149.96	928.60	1,419.66	294.58	241.94	52.64	5.597		
4,900.00	4,319.24	4,935.63	4,456.99	41.71	37.28	-149.76	958.18	1,465.54	301.55	247.29	54.25	5.558		
5,000.00	4,399.88	5,035.38	4,540.48	42.93	38.38	-149.58	987.76	1,511.42	308.52	252.64	55.88	5.521		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1F-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,480.52	5,135.14	4,623.97	44.15	39.47	-149.40	1,017.34	1,557.30	315.49	257.99	57.50	5.487		
5,200.00	4,561.16	5,234.89	4,707.46	45.37	40.56	-149.22	1,046.92	1,603.18	322.46	263.33	59.13	5.453		
5,300.00	4,641.80	5,334.64	4,790.95	46.59	41.66	-149.06	1,076.50	1,649.06	329.44	268.68	60.77	5.422		
5,400.00	4,722.44	5,434.39	4,874.44	47.82	42.75	-148.90	1,106.08	1,694.94	336.42	274.02	62.40	5.391		
5,500.00	4,803.08	5,534.14	4,957.93	49.04	43.85	-148.75	1,135.65	1,740.82	343.41	279.36	64.04	5.362		
5,600.00	4,883.72	5,633.90	5,041.42	50.27	44.94	-148.60	1,165.23	1,786.70	350.39	284.71	65.68	5.334		
5,700.00	4,964.36	5,733.65	5,124.91	51.49	46.04	-148.46	1,194.81	1,832.58	357.38	290.05	67.33	5.308		
5,800.00	5,045.00	5,833.40	5,208.40	52.71	47.14	-148.33	1,224.39	1,878.46	364.37	295.39	68.98	5.282		
5,900.00	5,125.64	5,933.15	5,291.89	53.94	48.23	-148.20	1,253.97	1,924.35	371.36	300.73	70.63	5.258		
6,000.00	5,206.28	6,032.90	5,375.38	55.17	49.33	-148.07	1,283.55	1,970.23	378.36	306.07	72.28	5.234		
6,100.00	5,286.92	6,132.65	5,458.87	56.39	50.43	-147.95	1,313.13	2,016.11	385.35	311.41	73.94	5.212		
6,200.00	5,367.56	6,232.41	5,542.36	57.62	51.53	-147.84	1,342.70	2,061.99	392.35	316.75	75.59	5.190		
6,300.00	5,448.20	6,332.16	5,625.85	58.84	52.63	-147.73	1,372.28	2,107.87	399.35	322.09	77.25	5.169		
6,400.00	5,528.84	6,431.91	5,709.34	60.07	53.73	-147.62	1,401.86	2,153.75	406.35	327.43	78.91	5.149		
6,500.00	5,609.47	6,531.66	5,792.83	61.30	54.83	-147.51	1,431.44	2,199.63	413.35	332.77	80.58	5.130		
6,600.00	5,690.11	6,631.41	5,876.32	62.53	55.93	-147.41	1,461.02	2,245.51	420.35	338.11	82.24	5.111		
6,700.00	5,770.75	6,731.17	5,959.81	63.75	57.03	-147.32	1,490.60	2,291.39	427.36	343.45	83.91	5.093		
6,800.00	5,851.39	6,830.92	6,043.29	64.98	58.13	-147.22	1,520.18	2,337.27	434.36	348.79	85.57	5.076		
6,900.00	5,932.03	6,930.67	6,126.78	66.21	59.23	-147.13	1,549.76	2,383.15	441.37	354.13	87.24	5.059		
7,000.00	6,012.67	7,030.42	6,210.27	67.44	60.33	-147.04	1,579.33	2,429.03	448.37	359.46	88.91	5.043		
7,100.00	6,093.31	7,130.17	6,293.76	68.66	61.43	-146.96	1,608.91	2,474.91	455.38	364.80	90.58	5.027		
7,200.00	6,173.95	7,229.92	6,377.25	69.89	62.53	-146.87	1,638.49	2,520.79	462.39	370.14	92.25	5.012		
7,300.00	6,254.59	7,329.68	6,460.74	71.12	63.63	-146.79	1,668.07	2,566.67	469.40	375.48	93.93	4.998		
7,400.00	6,335.23	7,429.43	6,544.23	72.35	64.74	-146.71	1,697.65	2,612.55	476.41	380.81	95.60	4.983		
7,500.00	6,415.87	7,529.18	6,627.72	73.58	65.84	-146.64	1,727.23	2,658.43	483.43	386.15	97.28	4.970		
7,600.00	6,496.51	7,628.93	6,711.21	74.81	66.94	-146.56	1,756.81	2,704.31	490.44	391.49	98.95	4.956		
7,700.00	6,577.15	7,728.68	6,794.70	76.04	68.04	-146.49	1,786.39	2,750.19	497.45	396.82	100.63	4.943		
7,800.00	6,657.79	7,828.44	6,878.19	77.27	69.14	-146.42	1,815.96	2,796.07	504.47	402.16	102.31	4.931		
7,900.00	6,738.43	7,928.19	6,961.68	78.50	70.25	-146.35	1,845.54	2,841.95	511.48	407.50	103.99	4.919		
8,000.00	6,819.07	8,042.18	7,059.24	79.73	71.43	-147.41	1,869.28	2,895.53	517.17	413.03	104.14	4.966		
8,100.00	6,899.71	8,149.53	7,153.21	80.96	72.38	-150.61	1,871.11	2,947.07	520.97	419.88	101.09	5.153		
8,200.00	6,980.35	8,243.70	7,234.68	82.18	73.01	-155.05	1,856.25	2,991.68	525.84	429.62	96.22	5.465		
8,240.58	7,013.07	8,277.63	7,263.36	82.68	73.19	-156.99	1,847.18	3,007.38	528.94	434.89	94.06	5.624		
8,250.00	7,020.68	8,285.19	7,269.68	82.80	73.23	-158.72	1,844.90	3,010.84	529.80	436.24	93.56	5.663		
8,300.00	7,061.63	8,324.56	7,302.14	83.40	73.41	-168.29	1,831.49	3,028.59	535.16	444.00	91.16	5.871		
8,350.00	7,103.23	8,362.75	7,332.80	83.97	73.56	-178.40	1,816.08	3,045.35	541.78	452.65	89.13	6.079		
8,400.00	7,145.18	8,399.94	7,361.73	84.51	73.67	171.21	1,798.87	3,061.16	549.44	462.02	87.42	6.285		
8,450.00	7,187.16	8,436.27	7,388.99	85.01	73.75	160.87	1,780.03	3,076.04	557.93	471.95	85.98	6.489		
8,500.00	7,228.84	8,471.87	7,414.63	85.46	73.81	150.95	1,759.70	3,090.03	567.04	482.27	84.77	6.689		
8,550.00	7,269.91	8,506.83	7,438.69	85.86	73.85	141.70	1,738.00	3,103.15	576.56	492.82	83.74	6.885		
8,600.00	7,310.05	8,541.24	7,461.20	86.20	73.86	133.31	1,715.05	3,115.42	586.30	503.45	82.86	7.076		
8,650.00	7,348.97	8,575.17	7,482.18	86.50	73.85	125.84	1,690.96	3,126.84	596.08	513.97	82.10	7.260		
8,700.00	7,386.36	8,608.69	7,501.64	86.74	73.83	119.28	1,665.80	3,137.42	605.72	524.24	81.48	7.434		
8,750.00	7,421.94	8,641.86	7,519.59	86.93	73.80	113.57	1,639.69	3,147.18	615.07	534.10	80.98	7.596		
8,800.00	7,455.44	8,674.72	7,536.05	87.07	73.74	108.65	1,612.69	3,156.11	624.01	543.39	80.62	7.740		
8,850.00	7,486.61	8,707.31	7,551.00	87.16	73.68	104.42	1,584.89	3,164.22	632.39	551.98	80.41	7.864		
8,900.00	7,515.20	8,739.68	7,564.46	87.20	73.60	100.82	1,556.37	3,171.50	640.13	559.75	80.38	7.963		
8,950.00	7,541.00	8,771.86	7,576.42	87.21	73.51	97.79	1,527.21	3,177.96	647.12	566.57	80.55	8.034		
9,000.00	7,563.81	8,800.00	7,585.69	87.17	73.43	95.31	1,501.12	3,182.95	653.30	572.07	81.23	8.042		
9,050.00	7,583.47	8,835.76	7,595.83	87.10	73.31	93.20	1,467.27	3,188.40	658.55	577.05	81.50	8.081		
9,100.00	7,599.81	8,867.53	7,603.27	87.00	73.19	91.57	1,436.64	3,192.37	662.86	580.56	82.30	8.054		
9,150.00	7,612.72	8,900.00	7,609.33	86.88	73.07	90.34	1,404.91	3,195.59	666.19	582.94	83.25	8.003		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1F-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,622.09	8,930.87	7,613.62	86.72	72.94	89.49	1,374.42	3,197.84	668.48	583.92	84.56	7.905		
9,250.00	7,627.87	8,962.48	7,616.51	86.55	72.81	89.00	1,342.99	3,199.32	669.72	583.74	85.99	7.789		
9,303.98	7,630.00	9,000.00	7,617.97	86.35	72.65	88.89	1,305.51	3,199.99	669.89	582.59	87.30	7.673		
9,315.88	7,630.00	9,010.55	7,618.00	86.30	72.60	88.89	1,302.85	3,200.00	669.81	581.56	88.25	7.590		
9,400.00	7,630.00	9,086.78	7,618.00	85.99	72.27	88.89	1,218.73	3,199.71	669.81	582.47	87.34	7.669		
9,500.00	7,630.00	9,186.78	7,618.00	85.62	71.86	88.89	1,118.73	3,199.37	669.81	583.48	86.33	7.759		
9,600.00	7,630.00	9,286.78	7,618.00	85.28	71.46	88.89	1,018.73	3,199.03	669.81	584.37	85.45	7.839		
9,700.00	7,630.00	9,386.78	7,618.00	84.95	71.09	88.89	918.73	3,198.69	669.82	585.11	84.71	7.907		
9,800.00	7,630.00	9,486.78	7,618.00	84.64	70.73	88.89	818.73	3,198.35	669.82	585.71	84.11	7.963		
9,900.00	7,630.00	9,586.78	7,618.00	84.34	70.39	88.89	718.73	3,198.01	669.82	586.17	83.66	8.007		
10,000.00	7,630.00	9,686.78	7,618.00	84.06	70.08	88.89	618.73	3,197.68	669.83	586.47	83.35	8.036		
10,100.00	7,630.00	9,786.78	7,618.00	83.80	69.78	88.89	518.73	3,197.34	669.83	586.63	83.20	8.051		
10,200.00	7,630.00	9,886.78	7,618.00	83.56	69.51	88.89	418.73	3,197.00	669.83	586.64	83.19	8.052		
10,300.00	7,630.00	9,986.78	7,618.00	83.33	69.25	88.89	318.73	3,196.66	669.84	586.50	83.34	8.038		
10,400.00	7,630.00	10,086.78	7,618.00	83.12	69.02	88.89	218.73	3,196.32	669.84	586.21	83.63	8.009		
10,500.00	7,630.00	10,186.78	7,618.00	82.92	68.80	88.89	118.73	3,195.98	669.84	585.77	84.07	7.967		
10,600.00	7,630.00	10,286.78	7,618.00	82.75	68.61	88.89	18.73	3,195.64	669.85	585.19	84.66	7.912		
10,700.00	7,630.00	10,386.78	7,618.00	82.59	68.44	88.89	-81.27	3,195.30	669.85	584.46	85.39	7.845		
10,800.00	7,630.00	10,486.78	7,618.00	82.45	68.29	88.89	-181.27	3,194.96	669.85	583.60	86.26	7.766		
10,900.00	7,630.00	10,586.78	7,618.00	82.33	68.17	88.89	-281.26	3,194.62	669.86	582.60	87.26	7.677		
11,000.00	7,630.00	10,686.78	7,618.00	82.22	68.07	88.89	-381.26	3,194.28	669.86	581.47	88.39	7.578		
11,100.00	7,630.00	10,786.78	7,618.00	82.14	68.00	88.89	-481.26	3,193.94	669.86	580.21	89.65	7.472		
11,200.00	7,630.00	10,886.78	7,618.00	82.08	67.96	88.89	-581.26	3,193.60	669.87	578.84	91.03	7.359		
11,300.00	7,630.00	10,986.78	7,618.00	82.04	67.95	88.89	-681.26	3,193.27	669.87	577.35	92.52	7.240		
11,400.00	7,630.00	11,086.78	7,618.00	82.02	67.97	88.89	-781.26	3,192.93	669.87	575.75	94.12	7.117		
11,500.00	7,630.00	11,186.78	7,618.00	82.03	68.03	88.89	-881.26	3,192.59	669.88	574.05	95.82	6.991		
11,600.00	7,630.00	11,286.78	7,618.00	82.06	68.13	88.89	-981.26	3,192.25	669.88	572.25	97.63	6.862		
11,700.00	7,630.00	11,386.78	7,618.00	82.12	68.27	88.89	-1,081.26	3,191.91	669.88	570.36	99.52	6.731		
11,800.00	7,630.00	11,486.78	7,618.00	82.21	68.47	88.89	-1,181.26	3,191.57	669.88	568.38	101.51	6.599		
11,900.00	7,630.00	11,586.78	7,618.00	82.33	68.71	88.89	-1,281.26	3,191.23	669.89	566.32	103.57	6.468		
12,000.00	7,630.00	11,686.78	7,618.00	82.48	69.02	88.89	-1,381.26	3,190.89	669.89	564.17	105.72	6.337		
12,100.00	7,630.00	11,786.78	7,618.00	82.66	69.38	88.89	-1,481.26	3,190.55	669.89	561.96	107.93	6.207		
12,200.00	7,630.00	11,886.78	7,618.00	82.88	69.82	88.89	-1,581.26	3,190.21	669.90	559.68	110.22	6.078		
12,300.00	7,630.00	11,986.78	7,618.00	83.14	70.32	88.89	-1,681.26	3,189.87	669.90	557.33	112.57	5.951		
12,400.00	7,630.00	12,086.78	7,618.00	83.44	70.89	88.89	-1,781.26	3,189.53	669.90	554.92	114.98	5.826		
12,500.00	7,630.00	12,186.78	7,618.00	83.79	71.54	88.89	-1,881.26	3,189.19	669.91	552.46	117.45	5.704		
12,600.00	7,630.00	12,286.78	7,618.00	84.18	72.25	88.89	-1,981.26	3,188.86	669.91	549.94	119.97	5.584		
12,700.00	7,630.00	12,386.78	7,618.00	84.61	73.04	88.89	-2,081.25	3,188.52	669.91	547.37	122.54	5.467		
12,800.00	7,630.00	12,486.78	7,618.00	85.10	73.89	88.89	-2,181.25	3,188.18	669.92	544.76	125.16	5.353		
12,900.00	7,630.00	12,586.78	7,618.00	85.64	74.81	88.89	-2,281.25	3,187.84	669.92	542.10	127.82	5.241		
13,000.00	7,630.00	12,686.78	7,618.00	86.22	75.78	88.89	-2,381.25	3,187.50	669.92	539.40	130.52	5.133		
13,100.00	7,630.00	12,786.78	7,618.00	86.86	76.81	88.89	-2,481.25	3,187.16	669.93	536.66	133.26	5.027		
13,200.00	7,630.00	12,886.78	7,618.00	87.56	77.89	88.89	-2,581.25	3,186.82	669.93	533.89	136.04	4.924		
13,300.00	7,630.00	12,986.78	7,618.00	88.30	79.01	88.89	-2,681.25	3,186.48	669.93	531.08	138.86	4.825		
13,400.00	7,630.00	13,086.78	7,618.00	89.10	80.18	88.89	-2,781.25	3,186.14	669.94	528.23	141.70	4.728		
13,500.00	7,630.00	13,186.78	7,618.00	89.94	81.38	88.89	-2,881.25	3,185.80	669.94	525.36	144.58	4.634		
13,600.00	7,630.00	13,286.78	7,618.00	90.84	82.62	88.89	-2,981.25	3,185.46	669.94	522.46	147.48	4.543		
13,700.00	7,630.00	13,386.78	7,618.00	91.78	83.88	88.89	-3,081.25	3,185.12	669.94	519.53	150.41	4.454		
13,800.00	7,630.00	13,486.78	7,618.00	92.77	85.18	88.89	-3,181.25	3,184.78	669.95	516.58	153.37	4.368		
13,900.00	7,630.00	13,586.78	7,618.00	93.79	86.50	88.89	-3,281.25	3,184.45	669.95	513.60	156.35	4.285		
14,000.00	7,630.00	13,686.78	7,618.00	94.86	87.84	88.89	-3,381.25	3,184.11	669.95	510.60	159.35	4.204		
14,100.00	7,630.00	13,786.78	7,618.00	95.97	89.20	88.89	-3,481.25	3,183.77	669.96	507.58	162.38	4.126		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1F-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,630.00	13,886.78	7,618.00	97.11	90.59	88.89	-3,581.25	3,183.43	669.96	504.54	165.42	4.050		
14,300.00	7,630.00	13,986.78	7,618.00	98.28	91.99	88.89	-3,681.25	3,183.09	669.96	501.48	168.49	3.976		
14,400.00	7,630.00	14,086.78	7,618.00	99.48	93.40	88.89	-3,781.24	3,182.75	669.97	498.40	171.57	3.905		
14,500.00	7,630.00	14,186.78	7,618.00	100.72	94.83	88.89	-3,881.24	3,182.41	669.97	495.30	174.67	3.836		
14,600.00	7,630.00	14,286.78	7,618.00	101.97	96.28	88.89	-3,981.24	3,182.07	669.97	492.19	177.78	3.768		
14,700.00	7,630.00	14,386.78	7,618.00	103.26	97.74	88.89	-4,081.24	3,181.73	669.98	489.06	180.91	3.703		
14,800.00	7,630.00	14,486.78	7,618.00	104.56	99.21	88.89	-4,181.24	3,181.39	669.98	485.92	184.06	3.640		
14,900.00	7,630.00	14,586.78	7,618.00	105.89	100.69	88.89	-4,281.24	3,181.05	669.98	482.76	187.22	3.579		
15,000.00	7,630.00	14,686.78	7,618.00	107.24	102.19	88.89	-4,381.24	3,180.71	669.99	479.60	190.39	3.519		
15,100.00	7,630.00	14,786.78	7,618.00	108.60	103.69	88.89	-4,481.24	3,180.37	669.99	476.41	193.58	3.461		
15,200.00	7,630.00	14,886.78	7,618.00	109.98	105.20	88.89	-4,581.24	3,180.04	669.99	473.22	196.77	3.405		
15,300.00	7,630.00	14,986.78	7,618.00	111.38	106.72	88.89	-4,681.24	3,179.70	670.00	470.02	199.98	3.350		
15,400.00	7,630.00	15,086.78	7,618.00	112.79	108.25	88.89	-4,781.24	3,179.36	670.00	466.80	203.20	3.297		
15,500.00	7,630.00	15,186.78	7,618.00	114.22	109.79	88.89	-4,881.24	3,179.02	670.00	463.57	206.43	3.246		
15,600.00	7,630.00	15,286.78	7,618.00	115.66	111.33	88.89	-4,981.24	3,178.68	670.01	460.34	209.67	3.196		
15,700.00	7,630.00	15,386.78	7,618.00	117.11	112.88	88.89	-5,081.24	3,178.34	670.01	457.09	212.92	3.147		
15,800.00	7,630.00	15,486.78	7,618.00	118.57	114.44	88.89	-5,181.24	3,178.00	670.01	453.84	216.17	3.099		
15,900.00	7,630.00	15,586.78	7,618.00	120.05	116.00	88.89	-5,281.24	3,177.66	670.01	450.58	219.44	3.053		
16,000.00	7,630.00	15,686.78	7,618.00	121.53	117.57	88.89	-5,381.24	3,177.32	670.02	447.30	222.71	3.008		
16,100.00	7,630.00	15,786.78	7,618.00	123.03	119.15	88.89	-5,481.24	3,176.98	670.02	444.03	226.00	2.965		
16,200.00	7,630.00	15,886.78	7,618.00	124.53	120.73	88.89	-5,581.23	3,176.64	670.02	440.74	229.28	2.922		
16,300.00	7,630.00	15,986.78	7,618.00	126.04	122.32	88.89	-5,681.23	3,176.30	670.03	437.45	232.58	2.881		
16,400.00	7,630.00	16,086.78	7,618.00	127.56	123.91	88.89	-5,781.23	3,175.96	670.03	434.15	235.88	2.840		
16,500.00	7,630.00	16,186.78	7,618.00	129.09	125.51	88.89	-5,881.23	3,175.63	670.03	430.84	239.19	2.801		
16,600.00	7,630.00	16,286.78	7,618.00	130.62	127.11	88.89	-5,981.23	3,175.29	670.04	427.53	242.51	2.763		
16,700.00	7,630.00	16,386.78	7,618.00	132.16	128.71	88.89	-6,081.23	3,174.95	670.04	424.21	245.83	2.726		
16,800.00	7,630.00	16,486.78	7,618.00	133.71	130.32	88.89	-6,181.23	3,174.61	670.04	420.88	249.16	2.689		
16,900.00	7,630.00	16,586.78	7,618.00	135.27	131.94	88.89	-6,281.23	3,174.27	670.05	417.55	252.50	2.654		
17,000.00	7,630.00	16,686.78	7,618.00	136.83	133.55	88.89	-6,381.23	3,173.93	670.05	414.21	255.84	2.619		
17,100.00	7,630.00	16,786.78	7,618.00	138.39	135.17	88.89	-6,481.23	3,173.59	670.05	410.87	259.18	2.585		
17,200.00	7,630.00	16,886.78	7,618.00	139.97	136.80	88.89	-6,581.23	3,173.25	670.06	407.53	262.53	2.552		
17,300.00	7,630.00	16,986.78	7,618.00	141.54	138.43	88.89	-6,681.23	3,172.91	670.06	404.18	265.88	2.520		
17,400.00	7,630.00	17,086.78	7,618.00	143.12	140.06	88.89	-6,781.23	3,172.57	670.06	400.82	269.24	2.489		
17,500.00	7,630.00	17,186.78	7,618.00	144.71	141.69	88.89	-6,881.23	3,172.23	670.07	397.46	272.61	2.458		
17,600.00	7,630.00	17,286.78	7,618.00	146.30	143.33	88.89	-6,981.23	3,171.89	670.07	394.10	275.97	2.428		
17,700.00	7,630.00	17,386.78	7,618.00	147.90	144.97	88.89	-7,081.23	3,171.55	670.07	390.73	279.34	2.399		
17,800.00	7,630.00	17,486.78	7,618.00	149.50	146.61	88.89	-7,181.23	3,171.22	670.07	387.36	282.72	2.370		
17,900.00	7,630.00	17,586.78	7,618.00	151.10	148.26	88.89	-7,281.22	3,170.88	670.08	383.98	286.10	2.342		
18,000.00	7,630.00	17,686.78	7,618.00	152.71	149.91	88.89	-7,381.22	3,170.54	670.08	380.60	289.48	2.315		
18,100.00	7,630.00	17,786.78	7,618.00	154.32	151.56	88.89	-7,481.22	3,170.20	670.08	377.22	292.87	2.288		
18,200.00	7,630.00	17,886.78	7,618.00	155.94	153.22	88.89	-7,581.22	3,169.86	670.09	373.83	296.26	2.262		
18,300.00	7,630.00	17,986.78	7,618.00	157.56	154.87	88.89	-7,681.22	3,169.52	670.09	370.44	299.65	2.236		
18,400.00	7,630.00	18,086.78	7,618.00	159.18	156.53	88.89	-7,781.22	3,169.18	670.09	367.05	303.05	2.211		
18,500.00	7,630.00	18,186.78	7,618.00	160.80	158.19	88.89	-7,881.22	3,168.84	670.10	363.65	306.45	2.187		
18,600.00	7,630.00	18,286.78	7,618.00	162.43	159.85	88.89	-7,981.22	3,168.50	670.10	360.25	309.85	2.163		
18,700.00	7,630.00	18,386.78	7,618.00	164.06	161.52	88.89	-8,081.22	3,168.16	670.10	356.85	313.26	2.139		
18,800.00	7,630.00	18,486.78	7,618.00	165.70	163.19	88.89	-8,181.22	3,167.82	670.11	353.44	316.67	2.116		
18,900.00	7,630.00	18,586.78	7,618.00	167.33	164.86	88.89	-8,281.22	3,167.48	670.11	350.03	320.08	2.094		
19,000.00	7,630.00	18,686.78	7,618.00	168.97	166.53	88.89	-8,381.22	3,167.14	670.11	346.62	323.49	2.072		
19,021.79	7,630.00	18,708.57	7,618.00	169.33	166.89	88.89	-8,403.01	3,167.07	670.11	345.88	324.23	2.067 SF		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1G-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	-87.93	0.36	-10.08	10.09					
100.00	100.00	100.00	100.00	0.13	0.13	-87.93	0.36	-10.08	10.09	9.82	0.27	37.517		
200.00	200.00	200.00	200.00	0.49	0.49	-87.93	0.36	-10.08	10.09	9.10	0.99	10.232		
300.00	300.00	300.00	300.00	0.85	0.85	-87.93	0.36	-10.08	10.09	8.38	1.70	5.924		
400.00	400.00	400.00	400.00	1.21	1.21	-87.93	0.36	-10.08	10.09	7.67	2.42	4.169		
500.00	500.00	500.00	500.00	1.57	1.57	-87.93	0.36	-10.08	10.09	6.95	3.14	3.216		
600.00	600.00	600.00	600.00	1.93	1.93	-87.93	0.36	-10.08	10.09	6.23	3.85	2.617		
700.00	700.00	700.00	700.00	2.29	2.29	-87.93	0.36	-10.08	10.09	5.52	4.57	2.207	CC, ES	
800.00	799.98	799.98	799.98	2.64	2.64	-154.04	0.36	-10.08	11.63	6.34	5.28	2.201		
900.00	899.84	900.34	900.32	2.99	3.00	-159.70	1.25	-8.56	14.86	8.88	5.99	2.482		
1,000.00	999.45	1,000.82	1,000.66	3.35	3.36	-162.89	3.93	-4.01	18.22	11.53	6.69	2.725		
1,100.00	1,098.70	1,101.43	1,100.87	3.73	3.72	-164.73	8.38	3.58	21.63	14.25	7.38	2.931		
1,200.00	1,197.47	1,202.15	1,200.83	4.11	4.09	-165.75	14.63	14.22	25.08	17.00	8.08	3.105		
1,300.00	1,295.62	1,303.00	1,300.42	4.53	4.48	-166.25	22.66	27.90	28.53	19.76	8.77	3.253		
1,400.00	1,393.06	1,403.96	1,399.50	4.97	4.89	-166.40	32.47	44.62	32.00	22.53	9.47	3.379		
1,500.00	1,489.64	1,505.05	1,497.95	5.44	5.33	-166.29	44.06	64.36	35.46	25.29	10.17	3.486		
1,600.00	1,585.27	1,606.25	1,595.65	5.95	5.80	-165.99	57.42	87.12	38.91	28.03	10.88	3.577		
1,700.00	1,679.82	1,707.57	1,692.47	6.51	6.32	-165.56	72.53	112.86	42.36	30.76	11.60	3.652		
1,800.00	1,773.17	1,809.01	1,788.27	7.13	6.88	-165.01	89.39	141.58	45.80	33.46	12.33	3.713		
1,900.00	1,865.21	1,910.55	1,882.95	7.79	7.50	-164.38	107.98	173.24	49.22	36.13	13.09	3.760		
2,000.00	1,955.84	2,012.21	1,976.36	8.51	8.17	-163.68	128.27	207.82	52.64	38.76	13.88	3.793		
2,100.00	2,044.94	2,113.98	2,068.39	9.30	8.90	-162.92	150.26	245.27	56.04	41.34	14.70	3.813		
2,200.00	2,132.39	2,215.86	2,158.92	10.15	9.69	-162.11	173.91	285.56	59.43	43.87	15.56	3.819		
2,300.00	2,218.11	2,317.84	2,247.81	11.07	10.56	-161.27	199.20	328.65	62.81	46.33	16.47	3.812		
2,400.00	2,301.97	2,419.92	2,334.96	12.06	11.49	-160.38	226.11	374.48	66.17	48.72	17.45	3.792		
2,500.00	2,383.88	2,521.71	2,419.95	13.11	12.48	-159.49	254.46	422.79	69.56	51.05	18.52	3.757		
2,512.74	2,394.17	2,534.44	2,430.49	13.25	12.61	-159.41	258.08	428.94	70.09	51.42	18.67	3.754		
2,600.00	2,464.54	2,621.62	2,502.69	14.22	13.51	-158.95	282.81	471.08	73.86	54.14	19.72	3.745		
2,700.00	2,545.18	2,721.52	2,585.42	15.35	14.55	-158.49	311.16	519.38	78.19	57.23	20.96	3.730		
2,800.00	2,625.82	2,821.43	2,668.16	16.50	15.60	-158.07	339.51	567.67	82.52	60.29	22.23	3.713		
2,900.00	2,706.45	2,921.33	2,750.89	17.65	16.67	-157.69	367.86	615.96	86.86	63.34	23.52	3.693		
3,000.00	2,787.09	3,021.23	2,833.63	18.82	17.75	-157.34	396.21	664.26	91.20	66.37	24.83	3.673		
3,100.00	2,867.73	3,121.14	2,916.36	19.99	18.83	-157.03	424.56	712.55	95.54	69.38	26.16	3.652		
3,200.00	2,948.37	3,221.04	2,999.09	21.17	19.92	-156.75	452.91	760.84	99.89	72.38	27.51	3.631		
3,300.00	3,029.01	3,320.95	3,081.83	22.36	21.02	-156.49	481.25	809.13	104.24	75.37	28.87	3.611		
3,400.00	3,109.65	3,420.85	3,164.56	23.55	22.13	-156.25	509.60	857.43	108.59	78.35	30.24	3.591		
3,500.00	3,190.29	3,520.76	3,247.30	24.74	23.24	-156.03	537.95	905.72	112.94	81.32	31.62	3.571		
3,600.00	3,270.93	3,620.66	3,330.03	25.94	24.35	-155.82	566.30	954.01	117.29	84.27	33.02	3.552		
3,700.00	3,351.57	3,720.57	3,412.77	27.14	25.46	-155.63	594.65	1,002.31	121.65	87.23	34.42	3.534		
3,800.00	3,432.21	3,820.47	3,495.50	28.35	26.58	-155.46	623.00	1,050.60	126.00	90.17	35.83	3.517		
3,900.00	3,512.85	3,920.37	3,578.24	29.56	27.70	-155.29	651.35	1,098.89	130.36	93.11	37.25	3.500		
4,000.00	3,593.49	4,020.28	3,660.97	30.76	28.82	-155.14	679.69	1,147.19	134.72	96.05	38.67	3.484		
4,100.00	3,674.13	4,120.18	3,743.71	31.97	29.95	-154.99	708.04	1,195.48	139.08	98.98	40.10	3.468		
4,200.00	3,754.77	4,220.09	3,826.44	33.19	31.07	-154.86	736.39	1,243.77	143.44	101.90	41.54	3.453		
4,300.00	3,835.41	4,319.99	3,909.18	34.40	32.20	-154.73	764.74	1,292.07	147.80	104.83	42.97	3.439		
4,400.00	3,916.05	4,419.90	3,991.91	35.62	33.33	-154.61	793.09	1,340.36	152.16	107.74	44.42	3.426		
4,500.00	3,996.69	4,519.80	4,074.64	36.83	34.46	-154.50	821.44	1,388.65	156.52	110.66	45.87	3.413		
4,600.00	4,077.33	4,619.70	4,157.38	38.05	35.59	-154.39	849.79	1,436.94	160.89	113.57	47.32	3.400		
4,700.00	4,157.96	4,719.61	4,240.11	39.27	36.73	-154.29	878.13	1,485.24	165.25	116.48	48.77	3.388		
4,800.00	4,238.60	4,819.51	4,322.85	40.49	37.86	-154.19	906.48	1,533.53	169.61	119.39	50.23	3.377		
4,900.00	4,319.24	4,919.42	4,405.58	41.71	38.99	-154.10	934.83	1,581.82	173.98	122.29	51.69	3.366		
5,000.00	4,399.88	5,019.32	4,488.32	42.93	40.13	-154.01	963.18	1,630.12	178.34	125.19	53.15	3.355		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1G-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,480.52	5,119.23	4,571.05	44.15	41.27	-153.93	991.53	1,678.41	182.71	128.09	54.62	3.345		
5,200.00	4,561.16	5,219.13	4,653.79	45.37	42.40	-153.85	1,019.88	1,726.70	187.07	130.99	56.08	3.336		
5,300.00	4,641.80	5,319.03	4,736.52	46.59	43.54	-153.77	1,048.23	1,775.00	191.44	133.89	57.55	3.326		
5,400.00	4,722.44	5,418.94	4,819.26	47.82	44.68	-153.70	1,076.58	1,823.29	195.80	136.78	59.02	3.317		
5,500.00	4,803.08	5,518.84	4,901.99	49.04	45.82	-153.63	1,104.92	1,871.58	200.17	139.67	60.50	3.309		
5,600.00	4,883.72	5,618.75	4,984.72	50.27	46.95	-153.56	1,133.27	1,919.88	204.54	142.57	61.97	3.301		
5,700.00	4,964.36	5,718.65	5,067.46	51.49	48.09	-153.50	1,161.62	1,968.17	208.90	145.46	63.45	3.293		
5,800.00	5,045.00	5,818.56	5,150.19	52.71	49.23	-153.44	1,189.97	2,016.46	213.27	148.35	64.93	3.285		
5,900.00	5,125.64	5,918.46	5,232.93	53.94	50.37	-153.38	1,218.32	2,064.75	217.64	151.23	66.40	3.277		
6,000.00	5,206.28	6,018.37	5,315.66	55.17	51.51	-153.33	1,246.67	2,113.05	222.01	154.12	67.88	3.270		
6,100.00	5,286.92	6,118.27	5,398.40	56.39	52.65	-153.27	1,275.02	2,161.34	226.37	157.01	69.37	3.263		
6,200.00	5,367.56	6,218.17	5,481.13	57.62	53.80	-153.22	1,303.36	2,209.63	230.74	159.89	70.85	3.257		
6,300.00	5,448.20	6,318.08	5,563.87	58.84	54.94	-153.17	1,331.71	2,257.93	235.11	162.78	72.33	3.250		
6,400.00	5,528.84	6,417.98	5,646.60	60.07	56.08	-153.12	1,360.06	2,306.22	239.48	165.66	73.82	3.244		
6,500.00	5,609.47	6,517.89	5,729.34	61.30	57.22	-153.08	1,388.41	2,354.51	243.85	168.54	75.30	3.238		
6,600.00	5,690.11	6,617.79	5,812.07	62.53	58.36	-153.03	1,416.76	2,402.81	248.22	171.43	76.79	3.232		
6,700.00	5,770.75	6,717.70	5,894.81	63.75	59.51	-152.99	1,445.11	2,451.10	252.59	174.31	78.28	3.227		
6,800.00	5,851.39	6,817.60	5,977.54	64.98	60.65	-152.95	1,473.46	2,499.39	256.95	177.19	79.77	3.221		
6,900.00	5,932.03	6,917.50	6,060.27	66.21	61.79	-152.90	1,501.81	2,547.69	261.32	180.07	81.25	3.216		
7,000.00	6,012.67	7,017.41	6,143.01	67.44	62.93	-152.87	1,530.15	2,595.98	265.69	182.95	82.74	3.211		
7,100.00	6,093.31	7,117.31	6,225.74	68.66	64.08	-152.83	1,558.50	2,644.27	270.06	185.83	84.23	3.206		
7,200.00	6,173.95	7,217.22	6,308.48	69.89	65.22	-152.79	1,586.85	2,692.56	274.43	188.71	85.73	3.201		
7,300.00	6,254.59	7,317.12	6,391.21	71.12	66.36	-152.76	1,615.20	2,740.86	278.80	191.58	87.22	3.197		
7,400.00	6,335.23	7,417.03	6,473.95	72.35	67.51	-152.72	1,643.55	2,789.15	283.17	194.46	88.71	3.192		
7,500.00	6,415.87	7,516.93	6,556.68	73.58	68.65	-152.69	1,671.90	2,837.44	287.54	197.34	90.20	3.188		
7,600.00	6,496.51	7,616.83	6,639.42	74.81	69.80	-152.66	1,700.25	2,885.74	291.91	200.21	91.70	3.183		
7,700.00	6,577.15	7,716.74	6,722.15	76.04	70.94	-152.62	1,728.59	2,934.03	296.28	203.09	93.19	3.179		
7,800.00	6,657.79	7,816.64	6,804.89	77.27	72.08	-152.59	1,756.94	2,982.32	300.65	205.97	94.68	3.175		
7,900.00	6,738.43	7,916.55	6,887.62	78.50	73.23	-152.56	1,785.29	3,030.62	305.02	208.84	96.18	3.171		
8,000.00	6,819.07	8,016.45	6,970.35	79.73	74.37	-152.54	1,813.64	3,078.91	309.39	211.72	97.67	3.168		
8,100.00	6,899.71	8,116.36	7,053.09	80.96	75.52	-152.51	1,841.99	3,127.20	313.76	214.59	99.17	3.164		
8,200.00	6,980.35	8,217.75	7,137.59	82.18	76.66	-152.91	1,868.44	3,176.52	318.01	217.96	100.05	3.179		
8,240.58	7,013.07	8,258.93	7,172.70	82.68	77.10	-153.84	1,875.01	3,196.99	319.57	220.25	99.32	3.218		
8,250.00	7,020.68	8,268.38	7,180.81	82.80	77.20	-155.34	1,876.11	3,201.72	319.94	220.87	99.07	3.230		
8,300.00	7,061.63	8,318.14	7,223.70	83.40	77.69	-163.70	1,879.31	3,226.72	322.02	224.29	97.73	3.295		
8,350.00	7,103.23	8,367.23	7,266.09	83.97	78.13	-172.64	1,878.23	3,251.41	324.34	227.89	96.44	3.363		
8,400.00	7,145.18	8,415.67	7,307.70	84.51	78.53	178.12	1,873.06	3,275.63	326.85	231.61	95.25	3.432		
8,450.00	7,187.16	8,463.51	7,348.29	85.01	78.87	168.89	1,863.99	3,299.25	329.54	235.37	94.17	3.499		
8,500.00	7,228.84	8,510.78	7,387.62	85.46	79.16	160.02	1,851.20	3,322.11	332.36	239.12	93.24	3.565		
8,550.00	7,269.91	8,557.52	7,425.49	85.86	79.41	151.78	1,834.91	3,344.12	335.27	242.81	92.46	3.626		
8,600.00	7,310.05	8,603.78	7,461.71	86.20	79.61	144.33	1,815.33	3,365.16	338.24	246.41	91.82	3.684		
8,650.00	7,348.97	8,649.58	7,496.13	86.50	79.76	137.72	1,792.68	3,385.13	341.21	249.88	91.33	3.736		
8,700.00	7,386.36	8,694.97	7,528.60	86.74	79.87	131.96	1,767.16	3,403.96	344.14	253.18	90.96	3.783		
8,750.00	7,421.94	8,739.99	7,558.98	86.93	79.94	126.98	1,739.00	3,421.56	347.00	256.28	90.72	3.825		
8,800.00	7,455.44	8,784.67	7,587.15	87.07	79.97	122.70	1,708.42	3,437.87	349.74	259.14	90.60	3.860		
8,850.00	7,486.61	8,829.05	7,613.02	87.16	79.98	119.06	1,675.61	3,452.83	352.33	261.73	90.60	3.889		
8,900.00	7,515.20	8,873.17	7,636.48	87.20	79.95	115.97	1,640.81	3,466.38	354.72	264.01	90.71	3.910		
8,950.00	7,541.00	8,917.06	7,657.46	87.21	79.90	113.38	1,604.23	3,478.48	356.89	265.95	90.94	3.924		
9,000.00	7,563.81	8,960.75	7,675.89	87.17	79.82	111.23	1,566.07	3,489.08	358.82	267.52	91.29	3.930		
9,050.00	7,583.47	9,004.28	7,691.70	87.10	79.72	109.49	1,526.55	3,498.16	360.46	268.71	91.76	3.928		
9,100.00	7,599.81	9,047.68	7,704.84	87.00	79.60	108.12	1,485.89	3,505.68	361.81	269.48	92.34	3.918		
9,150.00	7,612.72	9,090.99	7,715.26	86.88	79.46	107.10	1,444.29	3,511.61	362.85	269.82	93.03	3.900		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1G-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,622.09	9,134.23	7,722.94	86.72	79.31	106.40	1,401.96	3,515.94	363.56	269.75	93.82	3.875		
9,250.00	7,627.87	9,177.44	7,727.83	86.55	79.15	106.01	1,359.13	3,518.64	363.94	269.26	94.69	3.844		
9,303.98	7,630.00	9,224.08	7,729.96	86.35	78.96	105.94	1,312.55	3,519.73	363.98	268.29	95.69	3.804		
9,305.49	7,630.00	9,237.78	7,730.00	86.35	78.91	105.95	1,312.15	3,519.75	363.97	268.12	95.85	3.797		
9,400.00	7,630.00	9,319.00	7,730.00	85.99	78.57	105.95	1,217.64	3,519.43	363.97	268.73	95.23	3.822		
9,500.00	7,630.00	9,419.00	7,730.00	85.62	78.19	105.95	1,117.64	3,519.09	363.97	269.32	94.64	3.846		
9,600.00	7,630.00	9,519.00	7,730.00	85.28	77.82	105.95	1,017.64	3,518.76	363.97	269.79	94.18	3.865		
9,700.00	7,630.00	9,619.00	7,730.00	84.95	77.46	105.95	917.64	3,518.42	363.97	270.14	93.83	3.879		
9,800.00	7,630.00	9,719.00	7,730.00	84.64	77.13	105.95	817.64	3,518.08	363.97	270.36	93.61	3.888		
9,900.00	7,630.00	9,819.00	7,730.00	84.34	76.82	105.95	717.64	3,517.74	363.97	270.46	93.51	3.892		
10,000.00	7,630.00	9,919.00	7,730.00	84.06	76.52	105.95	617.64	3,517.41	363.98	270.43	93.54	3.891		
10,100.00	7,630.00	10,019.00	7,730.00	83.80	76.25	105.95	517.64	3,517.07	363.98	270.28	93.70	3.885		
10,200.00	7,630.00	10,119.00	7,730.00	83.56	75.99	105.95	417.64	3,516.73	363.98	270.00	93.98	3.873		
10,300.00	7,630.00	10,219.00	7,730.00	83.33	75.75	105.95	317.64	3,516.39	363.98	269.60	94.38	3.856		
10,400.00	7,630.00	10,319.00	7,730.00	83.12	75.53	105.95	217.64	3,516.05	363.98	269.07	94.91	3.835		
10,500.00	7,630.00	10,419.00	7,730.00	82.92	75.32	105.95	117.64	3,515.72	363.98	268.43	95.55	3.809		
10,600.00	7,630.00	10,519.00	7,730.00	82.75	75.14	105.95	17.64	3,515.38	363.99	267.67	96.32	3.779		
10,700.00	7,630.00	10,619.00	7,730.00	82.59	74.98	105.95	-82.36	3,515.04	363.99	266.79	97.20	3.745		
10,800.00	7,630.00	10,719.00	7,730.00	82.45	74.84	105.95	-182.36	3,514.70	363.99	265.80	98.19	3.707		
10,900.00	7,630.00	10,819.00	7,730.00	82.33	74.72	105.95	-282.35	3,514.37	363.99	264.71	99.28	3.666		
11,000.00	7,630.00	10,919.00	7,730.00	82.22	74.62	105.95	-382.35	3,514.03	363.99	263.51	100.49	3.622		
11,100.00	7,630.00	11,019.00	7,730.00	82.14	74.55	105.95	-482.35	3,513.69	363.99	262.20	101.79	3.576		
11,200.00	7,630.00	11,119.00	7,730.00	82.08	74.50	105.95	-582.35	3,513.35	364.00	260.80	103.19	3.527		
11,300.00	7,630.00	11,219.00	7,730.00	82.04	74.47	105.95	-682.35	3,513.01	364.00	259.31	104.69	3.477		
11,400.00	7,630.00	11,319.00	7,730.00	82.02	74.48	105.95	-782.35	3,512.68	364.00	257.73	106.27	3.425		
11,500.00	7,630.00	11,419.00	7,730.00	82.03	74.51	105.95	-882.35	3,512.34	364.00	256.06	107.94	3.372		
11,600.00	7,630.00	11,519.00	7,730.00	82.06	74.58	105.95	-982.35	3,512.00	364.00	254.31	109.69	3.318		
11,700.00	7,630.00	11,619.00	7,730.00	82.12	74.68	105.95	-1,082.35	3,511.66	364.00	252.48	111.52	3.264		
11,800.00	7,630.00	11,719.00	7,730.00	82.21	74.82	105.95	-1,182.35	3,511.33	364.00	250.58	113.43	3.209		
11,900.00	7,630.00	11,819.00	7,730.00	82.33	74.99	105.95	-1,282.35	3,510.99	364.01	248.60	115.40	3.154		
12,000.00	7,630.00	11,919.00	7,730.00	82.48	75.22	105.95	-1,382.35	3,510.65	364.01	246.57	117.44	3.099		
12,100.00	7,630.00	12,019.00	7,730.00	82.66	75.48	105.95	-1,482.35	3,510.31	364.01	244.46	119.55	3.045		
12,200.00	7,630.00	12,119.00	7,730.00	82.88	75.80	105.95	-1,582.35	3,509.98	364.01	242.30	121.71	2.991		
12,300.00	7,630.00	12,219.00	7,730.00	83.14	76.17	105.95	-1,682.35	3,509.64	364.01	240.08	123.93	2.937		
12,400.00	7,630.00	12,319.00	7,730.00	83.44	76.59	105.94	-1,782.35	3,509.30	364.01	237.81	126.21	2.884		
12,500.00	7,630.00	12,419.00	7,730.00	83.79	77.07	105.94	-1,882.35	3,508.96	364.02	235.48	128.53	2.832		
12,600.00	7,630.00	12,519.00	7,730.00	84.18	77.61	105.94	-1,982.35	3,508.62	364.02	233.11	130.91	2.781		
12,700.00	7,630.00	12,619.00	7,730.00	84.61	78.21	105.94	-2,082.34	3,508.29	364.02	230.69	133.33	2.730		
12,800.00	7,630.00	12,719.00	7,730.00	85.10	78.87	105.94	-2,182.34	3,507.95	364.02	228.23	135.79	2.681		
12,900.00	7,630.00	12,819.00	7,730.00	85.64	79.59	105.94	-2,282.34	3,507.61	364.02	225.73	138.30	2.632		
13,000.00	7,630.00	12,919.00	7,730.00	86.22	80.38	105.94	-2,382.34	3,507.27	364.02	223.18	140.84	2.585		
13,100.00	7,630.00	13,019.00	7,730.00	86.86	81.21	105.94	-2,482.34	3,506.94	364.03	220.61	143.42	2.538		
13,200.00	7,630.00	13,119.00	7,730.00	87.56	82.11	105.94	-2,582.34	3,506.60	364.03	217.99	146.04	2.493		
13,300.00	7,630.00	13,219.00	7,730.00	88.30	83.06	105.94	-2,682.34	3,506.26	364.03	215.35	148.68	2.448		
13,400.00	7,630.00	13,319.00	7,730.00	89.10	84.05	105.94	-2,782.34	3,505.92	364.03	212.67	151.36	2.405		
13,500.00	7,630.00	13,419.00	7,730.00	89.94	85.10	105.94	-2,882.34	3,505.59	364.03	209.96	154.07	2.363		
13,600.00	7,630.00	13,519.00	7,730.00	90.84	86.18	105.94	-2,982.34	3,505.25	364.03	207.23	156.81	2.322		
13,700.00	7,630.00	13,619.00	7,730.00	91.78	87.31	105.94	-3,082.34	3,504.91	364.03	204.46	159.57	2.281		
13,800.00	7,630.00	13,719.00	7,730.00	92.77	88.47	105.94	-3,182.34	3,504.57	364.04	201.68	162.36	2.242		
13,900.00	7,630.00	13,819.00	7,730.00	93.79	89.67	105.94	-3,282.34	3,504.23	364.04	198.86	165.17	2.204		
14,000.00	7,630.00	13,919.00	7,730.00	94.86	90.90	105.94	-3,382.34	3,503.90	364.04	196.03	168.01	2.167		
14,100.00	7,630.00	14,019.00	7,730.00	95.97	92.16	105.94	-3,482.34	3,503.56	364.04	193.17	170.87	2.131		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1G-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,630.00	14,119.00	7,730.00	97.11	93.44	105.94	-3,582.34	3,503.22	364.04	190.30	173.74	2.095		
14,300.00	7,630.00	14,219.00	7,730.00	98.28	94.75	105.94	-3,682.34	3,502.88	364.04	187.40	176.64	2.061		
14,400.00	7,630.00	14,319.00	7,730.00	99.48	96.08	105.94	-3,782.33	3,502.55	364.05	184.49	179.56	2.027		
14,500.00	7,630.00	14,419.00	7,730.00	100.72	97.43	105.94	-3,882.33	3,502.21	364.05	181.56	182.49	1.995		
14,600.00	7,630.00	14,519.00	7,730.00	101.97	98.80	105.94	-3,982.33	3,501.87	364.05	178.61	185.44	1.963		
14,700.00	7,630.00	14,619.00	7,730.00	103.26	100.19	105.94	-4,082.33	3,501.53	364.05	175.64	188.41	1.932		
14,800.00	7,630.00	14,719.00	7,730.00	104.56	101.59	105.94	-4,182.33	3,501.20	364.05	172.66	191.39	1.902		
14,900.00	7,630.00	14,819.00	7,730.00	105.89	103.01	105.94	-4,282.33	3,500.86	364.05	169.67	194.39	1.873		
15,000.00	7,630.00	14,919.00	7,730.00	107.24	104.45	105.94	-4,382.33	3,500.52	364.06	166.66	197.40	1.844		
15,100.00	7,630.00	15,019.00	7,730.00	108.60	105.89	105.94	-4,482.33	3,500.18	364.06	163.63	200.42	1.816		
15,200.00	7,630.00	15,119.00	7,730.00	109.98	107.35	105.94	-4,582.33	3,499.84	364.06	160.60	203.46	1.789		
15,300.00	7,630.00	15,219.00	7,730.00	111.38	108.82	105.94	-4,682.33	3,499.51	364.06	157.55	206.51	1.763		
15,400.00	7,630.00	15,319.00	7,730.00	112.79	110.30	105.94	-4,782.33	3,499.17	364.06	154.49	209.57	1.737		
15,500.00	7,630.00	15,419.00	7,730.00	114.22	111.79	105.94	-4,882.33	3,498.83	364.06	151.42	212.64	1.712		
15,600.00	7,630.00	15,519.00	7,730.00	115.66	113.30	105.94	-4,982.33	3,498.49	364.07	148.34	215.72	1.688		
15,700.00	7,630.00	15,619.00	7,730.00	117.11	114.81	105.94	-5,082.33	3,498.16	364.07	145.25	218.82	1.664		
15,800.00	7,630.00	15,719.00	7,730.00	118.57	116.32	105.94	-5,182.33	3,497.82	364.07	142.15	221.92	1.641		
15,900.00	7,630.00	15,819.00	7,730.00	120.05	117.85	105.94	-5,282.33	3,497.48	364.07	139.04	225.03	1.618		
16,000.00	7,630.00	15,919.00	7,730.00	121.53	119.39	105.94	-5,382.33	3,497.14	364.07	135.92	228.15	1.596		
16,100.00	7,630.00	16,019.00	7,730.00	123.03	120.93	105.94	-5,482.33	3,496.81	364.07	132.79	231.28	1.574		
16,200.00	7,630.00	16,119.00	7,730.00	124.53	122.48	105.94	-5,582.32	3,496.47	364.07	129.65	234.42	1.553		
16,300.00	7,630.00	16,219.00	7,730.00	126.04	124.03	105.94	-5,682.32	3,496.13	364.08	126.51	237.57	1.533		
16,400.00	7,630.00	16,319.00	7,730.00	127.56	125.59	105.94	-5,782.32	3,495.79	364.08	123.36	240.72	1.512		
16,500.00	7,630.00	16,419.00	7,730.00	129.09	127.16	105.94	-5,882.32	3,495.45	364.08	120.20	243.88	1.493 Level 3		
16,600.00	7,630.00	16,519.00	7,730.00	130.62	128.73	105.94	-5,982.32	3,495.12	364.08	117.03	247.05	1.474 Level 3		
16,700.00	7,630.00	16,619.00	7,730.00	132.16	130.31	105.94	-6,082.32	3,494.78	364.08	113.86	250.22	1.455 Level 3		
16,800.00	7,630.00	16,719.00	7,730.00	133.71	131.89	105.94	-6,182.32	3,494.44	364.08	110.68	253.41	1.437 Level 3		
16,900.00	7,630.00	16,819.00	7,730.00	135.27	133.48	105.94	-6,282.32	3,494.10	364.09	107.49	256.59	1.419 Level 3		
17,000.00	7,630.00	16,919.00	7,730.00	136.83	135.07	105.94	-6,382.32	3,493.77	364.09	104.30	259.79	1.401 Level 3		
17,100.00	7,630.00	17,019.00	7,730.00	138.39	136.67	105.94	-6,482.32	3,493.43	364.09	101.10	262.99	1.384 Level 3		
17,200.00	7,630.00	17,119.00	7,730.00	139.97	138.27	105.94	-6,582.32	3,493.09	364.09	97.90	266.19	1.368 Level 3		
17,300.00	7,630.00	17,219.00	7,730.00	141.54	139.88	105.94	-6,682.32	3,492.75	364.09	94.69	269.40	1.351 Level 3		
17,400.00	7,630.00	17,319.00	7,730.00	143.12	141.49	105.94	-6,782.32	3,492.42	364.09	91.47	272.62	1.336 Level 3		
17,500.00	7,630.00	17,419.00	7,730.00	144.71	143.10	105.94	-6,882.32	3,492.08	364.10	88.26	275.84	1.320 Level 3		
17,600.00	7,630.00	17,519.00	7,730.00	146.30	144.72	105.94	-6,982.32	3,491.74	364.10	85.03	279.07	1.305 Level 3		
17,700.00	7,630.00	17,619.00	7,730.00	147.90	146.34	105.94	-7,082.32	3,491.40	364.10	81.80	282.30	1.290 Level 3		
17,800.00	7,630.00	17,719.00	7,730.00	149.50	147.96	105.94	-7,182.32	3,491.06	364.10	78.57	285.53	1.275 Level 3		
17,900.00	7,630.00	17,819.00	7,730.00	151.10	149.59	105.94	-7,282.32	3,490.73	364.10	75.33	288.77	1.261 Level 3		
18,000.00	7,630.00	17,919.00	7,730.00	152.71	151.22	105.94	-7,382.31	3,490.39	364.10	72.09	292.02	1.247 Level 2		
18,100.00	7,630.00	18,019.00	7,730.00	154.32	152.85	105.94	-7,482.31	3,490.05	364.10	68.84	295.26	1.233 Level 2		
18,200.00	7,630.00	18,119.00	7,730.00	155.94	154.49	105.94	-7,582.31	3,489.71	364.11	65.59	298.52	1.220 Level 2		
18,300.00	7,630.00	18,219.00	7,730.00	157.56	156.13	105.94	-7,682.31	3,489.38	364.11	62.34	301.77	1.207 Level 2		
18,400.00	7,630.00	18,319.00	7,730.00	159.18	157.77	105.94	-7,782.31	3,489.04	364.11	59.08	305.03	1.194 Level 2		
18,500.00	7,630.00	18,419.00	7,730.00	160.80	159.42	105.94	-7,882.31	3,488.70	364.11	55.82	308.29	1.181 Level 2		
18,600.00	7,630.00	18,519.00	7,730.00	162.43	161.07	105.94	-7,982.31	3,488.36	364.11	52.55	311.56	1.169 Level 2		
18,700.00	7,630.00	18,619.00	7,730.00	164.06	162.72	105.94	-8,082.31	3,488.02	364.11	49.28	314.83	1.157 Level 2		
18,800.00	7,630.00	18,719.00	7,730.00	165.70	164.37	105.94	-8,182.31	3,487.69	364.12	46.01	318.11	1.145 Level 2		
18,900.00	7,630.00	18,819.00	7,730.00	167.33	166.02	105.94	-8,282.31	3,487.35	364.12	42.74	321.38	1.133 Level 2		
19,000.00	7,630.00	18,919.00	7,730.00	168.97	167.68	105.94	-8,382.31	3,487.01	364.12	39.46	324.66	1.122 Level 2		
19,021.79	7,630.00	18,940.79	7,730.00	169.33	168.04	105.94	-8,404.10	3,486.94	364.12	38.74	325.38	1.119 Level 2, SF		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1H-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	90.00	0.00	9.80	9.80					
100.00	100.00	100.00	100.00	0.13	0.13	90.00	0.00	9.80	9.80	9.53	0.27	36.451		
200.00	200.00	200.00	200.00	0.49	0.49	90.00	0.00	9.80	9.80	8.81	0.99	9.941		
300.00	300.00	300.00	300.00	0.85	0.85	90.00	0.00	9.80	9.80	8.10	1.70	5.755		
400.00	400.00	400.00	400.00	1.21	1.21	90.00	0.00	9.80	9.80	7.38	2.42	4.050		
500.00	500.00	500.00	500.00	1.57	1.57	90.00	0.00	9.80	9.80	6.66	3.14	3.124		
600.00	600.00	600.00	600.00	1.93	1.93	90.00	0.00	9.80	9.80	5.95	3.85	2.543	CC, ES	
700.00	700.00	699.65	699.63	2.29	2.28	86.15	0.76	11.36	11.39	6.82	4.56	2.495		
800.00	799.98	799.17	799.01	2.64	2.63	19.43	3.05	16.01	14.68	9.41	5.26	2.789		
900.00	899.84	898.56	898.02	2.99	2.99	16.71	6.86	23.75	18.05	12.10	5.95	3.032		
1,000.00	999.45	997.84	996.56	3.35	3.36	15.17	12.17	34.55	21.45	14.82	6.64	3.231		
1,100.00	1,098.70	1,097.00	1,094.51	3.73	3.75	14.35	18.97	48.39	24.87	17.55	7.32	3.396		
1,200.00	1,197.47	1,196.04	1,191.75	4.11	4.16	13.97	27.26	65.24	28.29	20.28	8.01	3.532		
1,300.00	1,295.62	1,294.97	1,288.17	4.53	4.60	13.90	37.01	85.08	31.71	23.01	8.70	3.646		
1,400.00	1,393.06	1,393.78	1,383.66	4.97	5.08	14.04	48.21	107.86	35.11	25.72	9.39	3.741		
1,500.00	1,489.64	1,492.49	1,478.12	5.44	5.59	14.34	60.84	133.55	38.49	28.41	10.08	3.818		
1,600.00	1,585.27	1,591.08	1,571.43	5.95	6.15	14.76	74.88	162.12	41.86	31.08	10.79	3.880		
1,700.00	1,679.82	1,689.56	1,663.49	6.51	6.76	15.27	90.32	193.51	45.22	33.71	11.51	3.929		
1,800.00	1,773.17	1,787.94	1,754.19	7.13	7.42	15.85	107.12	227.69	48.55	36.30	12.25	3.964		
1,900.00	1,865.21	1,886.22	1,843.44	7.79	8.14	16.49	125.26	264.60	51.86	38.85	13.01	3.986		
2,000.00	1,955.84	1,984.39	1,931.13	8.51	8.92	17.18	144.73	304.19	55.14	41.34	13.80	3.995		
2,100.00	2,044.94	2,082.46	2,017.18	9.30	9.76	17.90	165.49	346.41	58.41	43.78	14.63	3.992		
2,200.00	2,132.39	2,180.44	2,101.48	10.15	10.67	18.66	187.51	391.20	61.65	46.15	15.50	3.977		
2,300.00	2,218.11	2,278.32	2,183.95	11.07	11.64	19.45	210.76	438.51	64.86	48.44	16.43	3.949		
2,400.00	2,301.97	2,376.11	2,264.49	12.06	12.67	20.26	235.23	488.27	68.05	50.65	17.41	3.909		
2,500.00	2,383.88	2,474.85	2,344.07	13.11	13.77	21.20	261.02	540.73	70.89	52.34	18.55	3.821		
2,512.74	2,394.17	2,487.58	2,354.29	13.25	13.92	21.37	264.37	547.54	71.08	52.36	18.72	3.796		
2,600.00	2,464.54	2,574.82	2,424.34	14.22	14.93	22.60	287.31	594.21	72.22	52.29	19.93	3.624		
2,700.00	2,545.18	2,674.80	2,504.61	15.35	16.09	23.95	313.60	647.69	73.56	52.18	21.38	3.440		
2,800.00	2,625.82	2,774.77	2,584.89	16.50	17.27	25.26	339.89	701.17	74.95	52.04	22.91	3.272		
2,900.00	2,706.45	2,874.75	2,665.16	17.65	18.46	26.52	366.19	754.65	76.37	51.87	24.50	3.117		
3,000.00	2,787.09	2,974.73	2,745.43	18.82	19.65	27.73	392.48	808.13	77.83	51.67	26.15	2.976		
3,100.00	2,867.73	3,074.70	2,825.71	19.99	20.86	28.89	418.77	861.61	79.32	51.45	27.87	2.846		
3,200.00	2,948.37	3,174.68	2,905.98	21.17	22.07	30.02	445.06	915.09	80.84	51.20	29.64	2.728		
3,300.00	3,029.01	3,274.65	2,986.25	22.36	23.28	31.10	471.36	968.57	82.40	50.93	31.46	2.619		
3,400.00	3,109.65	3,374.63	3,066.53	23.55	24.50	32.14	497.65	1,022.05	83.98	50.65	33.33	2.520		
3,500.00	3,190.29	3,474.61	3,146.80	24.74	25.72	33.14	523.94	1,075.53	85.58	50.34	35.24	2.428		
3,600.00	3,270.93	3,574.58	3,227.07	25.94	26.94	34.11	550.23	1,129.01	87.22	50.02	37.20	2.345		
3,700.00	3,351.57	3,674.56	3,307.35	27.14	28.17	35.04	576.52	1,182.49	88.87	49.68	39.19	2.268		
3,800.00	3,432.21	3,774.53	3,387.62	28.35	29.40	35.93	602.82	1,235.97	90.55	49.34	41.21	2.197		
3,900.00	3,512.85	3,874.51	3,467.89	29.56	30.63	36.79	629.11	1,289.45	92.25	48.98	43.27	2.132		
4,000.00	3,593.49	3,974.49	3,548.17	30.76	31.86	37.62	655.40	1,342.93	93.97	48.62	45.36	2.072		
4,100.00	3,674.13	4,074.46	3,628.44	31.97	33.09	38.42	681.69	1,396.41	95.71	48.24	47.47	2.016		
4,200.00	3,754.77	4,174.44	3,708.71	33.19	34.33	39.20	707.99	1,449.89	97.47	47.86	49.61	1.965		
4,300.00	3,835.41	4,274.41	3,788.99	34.40	35.56	39.94	734.28	1,503.37	99.25	47.48	51.77	1.917		
4,400.00	3,916.05	4,374.39	3,869.26	35.62	36.80	40.66	760.57	1,556.85	101.04	47.09	53.95	1.873		
4,500.00	3,996.69	4,474.37	3,949.53	36.83	38.04	41.35	786.86	1,610.33	102.84	46.69	56.15	1.832		
4,600.00	4,077.33	4,574.34	4,029.81	38.05	39.28	42.02	813.15	1,663.81	104.66	46.30	58.37	1.793		
4,700.00	4,157.96	4,674.32	4,110.08	39.27	40.52	42.67	839.45	1,717.29	106.50	45.90	60.60	1.757		
4,800.00	4,238.60	4,774.30	4,190.35	40.49	41.76	43.29	865.74	1,770.77	108.35	45.50	62.85	1.724		
4,900.00	4,319.24	4,874.27	4,270.63	41.71	43.00	43.89	892.03	1,824.25	110.21	45.10	65.11	1.693		
5,000.00	4,399.88	4,974.25	4,350.90	42.93	44.25	44.48	918.32	1,877.73	112.08	44.70	67.38	1.663		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1H-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,480.52	5,074.22	4,431.18	44.15	45.49	45.04	944.61	1,931.21	113.96	44.29	69.67	1.636		
5,200.00	4,561.16	5,174.20	4,511.45	45.37	46.73	45.59	970.91	1,984.69	115.86	43.89	71.96	1.610		
5,300.00	4,641.80	5,274.18	4,591.72	46.59	47.98	46.12	997.20	2,038.17	117.76	43.49	74.27	1.586		
5,400.00	4,722.44	5,374.15	4,672.00	47.82	49.22	46.63	1,023.49	2,091.65	119.67	43.09	76.58	1.563		
5,500.00	4,803.08	5,474.13	4,752.27	49.04	50.47	47.12	1,049.78	2,145.13	121.60	42.69	78.91	1.541		
5,600.00	4,883.72	5,574.10	4,832.54	50.27	51.71	47.60	1,076.08	2,198.61	123.53	42.29	81.24	1.521		
5,700.00	4,964.36	5,674.08	4,912.82	51.49	52.96	48.07	1,102.37	2,252.09	125.47	41.89	83.57	1.501		
5,800.00	5,045.00	5,774.06	4,993.09	52.71	54.20	48.52	1,128.66	2,305.57	127.42	41.50	85.92	1.483 Level 3		
5,900.00	5,125.64	5,874.03	5,073.36	53.94	55.45	48.95	1,154.95	2,359.05	129.37	41.10	88.27	1.466 Level 3		
6,000.00	5,206.28	5,974.01	5,153.64	55.17	56.70	49.38	1,181.24	2,412.53	131.33	40.71	90.62	1.449 Level 3		
6,100.00	5,286.92	6,073.98	5,233.91	56.39	57.94	49.79	1,207.54	2,466.01	133.30	40.32	92.98	1.434 Level 3		
6,200.00	5,367.56	6,173.96	5,314.18	57.62	59.19	50.19	1,233.83	2,519.49	135.28	39.93	95.35	1.419 Level 3		
6,300.00	5,448.20	6,273.94	5,394.46	58.84	60.44	50.58	1,260.12	2,572.97	137.26	39.55	97.72	1.405 Level 3		
6,400.00	5,528.84	6,373.91	5,474.73	60.07	61.69	50.95	1,286.41	2,626.45	139.25	39.16	100.09	1.391 Level 3		
6,500.00	5,609.47	6,473.89	5,555.00	61.30	62.93	51.32	1,312.71	2,679.93	141.25	38.78	102.47	1.378 Level 3		
6,600.00	5,690.11	6,573.86	5,635.28	62.53	64.18	51.67	1,339.00	2,733.41	143.25	38.40	104.85	1.366 Level 3		
6,700.00	5,770.75	6,673.84	5,715.55	63.75	65.43	52.02	1,365.29	2,786.89	145.25	38.02	107.23	1.355 Level 3		
6,800.00	5,851.39	6,773.82	5,795.82	64.98	66.68	52.36	1,391.58	2,840.37	147.27	37.65	109.62	1.343 Level 3		
6,900.00	5,932.03	6,873.79	5,876.10	66.21	67.93	52.68	1,417.87	2,893.85	149.28	37.27	112.01	1.333 Level 3		
7,000.00	6,012.67	6,973.77	5,956.37	67.44	69.18	53.00	1,444.17	2,947.33	151.30	36.90	114.40	1.323 Level 3		
7,100.00	6,093.31	7,073.75	6,036.64	68.66	70.43	53.31	1,470.46	3,000.81	153.33	36.54	116.79	1.313 Level 3		
7,200.00	6,173.95	7,173.72	6,116.92	69.89	71.67	53.62	1,496.75	3,054.29	155.36	36.17	119.19	1.303 Level 3		
7,300.00	6,254.59	7,273.70	6,197.19	71.12	72.92	53.91	1,523.04	3,107.77	157.39	35.80	121.59	1.294 Level 3		
7,400.00	6,335.23	7,373.67	6,277.46	72.35	74.17	54.20	1,549.34	3,161.25	159.43	35.44	123.99	1.286 Level 3		
7,500.00	6,415.87	7,473.65	6,357.74	73.58	75.42	54.48	1,575.63	3,214.73	161.47	35.08	126.39	1.278 Level 3		
7,600.00	6,496.51	7,573.63	6,438.01	74.81	76.67	54.75	1,601.92	3,268.21	163.52	34.72	128.79	1.270 Level 3		
7,700.00	6,577.15	7,673.60	6,518.28	76.04	77.92	55.02	1,628.21	3,321.69	165.57	34.37	131.20	1.262 Level 3		
7,800.00	6,657.79	7,773.58	6,598.56	77.27	79.17	55.28	1,654.50	3,375.17	167.62	34.02	133.60	1.255 Level 3		
7,900.00	6,738.43	7,873.55	6,678.83	78.50	80.42	55.53	1,680.80	3,428.65	169.67	33.66	136.01	1.248 Level 2		
8,000.00	6,819.07	7,973.53	6,759.11	79.73	81.67	55.78	1,707.09	3,482.13	171.73	33.31	138.42	1.241 Level 2		
8,100.00	6,899.71	8,073.51	6,839.38	80.96	82.92	56.02	1,733.38	3,535.61	173.80	32.97	140.83	1.234 Level 2		
8,200.00	6,980.35	8,173.48	6,919.65	82.18	84.17	56.25	1,759.67	3,589.09	175.86	32.62	143.24	1.228 Level 2		
8,240.58	7,013.07	8,214.05	6,952.23	82.68	84.68	56.35	1,770.34	3,610.79	176.70	32.48	144.22	1.225 Level 2		
8,250.00	7,020.68	8,223.47	6,959.79	82.80	84.80	55.17	1,772.82	3,615.83	176.85	32.44	144.42	1.225 Level 2		
8,300.00	7,061.63	8,273.40	6,999.88	83.40	85.42	47.68	1,785.95	3,642.54	176.27	31.71	144.56	1.219 Level 2		
8,350.00	7,103.23	8,322.96	7,039.67	83.97	86.04	38.18	1,798.98	3,669.05	173.49	30.49	143.01	1.213 Level 2		
8,400.00	7,145.18	8,371.76	7,078.86	84.51	86.65	26.87	1,811.82	3,695.15	168.93	29.55	139.37	1.212 Level 2, SF		
8,450.00	7,187.16	8,419.44	7,117.14	85.01	87.25	14.01	1,824.36	3,720.66	163.29	30.21	133.09	1.227 Level 2		
8,500.00	7,228.84	8,465.63	7,154.23	85.46	87.83	-0.03	1,836.50	3,745.36	157.72	34.19	123.53	1.277 Level 3		
8,550.00	7,269.91	8,509.98	7,189.84	85.86	88.38	-14.73	1,848.17	3,769.09	153.75	43.11	110.64	1.390 Level 3		
8,580.74	7,294.72	8,536.19	7,210.88	86.07	88.71	-23.78	1,855.06	3,783.11	152.93	51.22	101.72	1.504		
8,600.00	7,310.05	8,552.15	7,223.70	86.20	88.91	-29.36	1,859.26	3,791.65	153.30	57.06	96.24	1.593		
8,650.00	7,348.97	8,591.83	7,255.55	86.50	89.41	-43.09	1,869.69	3,812.87	158.28	72.89	85.38	1.854		
8,700.00	7,386.36	8,631.96	7,287.90	86.74	89.90	-55.80	1,879.66	3,834.42	169.80	85.81	83.99	2.022		
8,750.00	7,421.94	8,675.36	7,323.42	86.93	90.43	-67.28	1,887.52	3,858.07	186.95	96.01	90.94	2.056		
8,800.00	7,455.44	8,721.65	7,361.74	87.07	90.96	-77.28	1,892.32	3,883.57	208.44	108.12	100.32	2.078		
8,850.00	7,486.61	8,771.59	7,403.30	87.16	91.51	-85.95	1,893.32	3,911.22	233.07	124.71	108.35	2.151		
8,900.00	7,515.20	8,826.21	7,448.65	87.20	92.06	-93.48	1,899.43	3,941.37	259.77	146.26	113.51	2.289		
8,950.00	7,541.00	8,886.91	7,498.44	87.21	92.61	-100.07	1,879.06	3,974.45	287.64	172.46	115.18	2.497		
9,000.00	7,563.81	8,955.55	7,553.29	87.17	93.15	-105.87	1,859.78	4,010.87	315.80	202.87	112.93	2.796		
9,050.00	7,583.47	9,034.64	7,613.59	87.10	93.62	-110.99	1,828.02	4,050.87	343.35	237.19	106.16	3.234		
9,100.00	7,599.81	9,127.33	7,678.84	87.00	94.03	-115.46	1,778.55	4,094.10	369.20	275.14	94.06	3.925		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1H-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,150.00	7,612.72	9,237.09	7,746.32	86.88	94.28	-119.23	1,704.64	4,138.73	391.98	315.84	76.14	5.148		
9,200.00	7,622.09	9,200.00	7,797.22	86.72	94.37	-121.54	1,623.10	4,172.31	409.95	349.53	60.43	6.784		
9,250.00	7,627.87	9,250.00	7,848.42	86.55	94.70	-123.65	1,488.51	4,205.91	421.18	376.04	45.14	9.330		
9,303.98	7,630.00	9,667.30	7,870.00	86.35	93.57	-124.44	1,311.30	4,219.67	424.35	360.52	63.83	6.648		
9,400.00	7,630.00	9,763.32	7,870.00	85.99	93.23	-124.44	1,215.27	4,219.34	424.35	361.76	62.58	6.780		
9,500.00	7,630.00	9,863.32	7,870.00	85.62	92.89	-124.44	1,115.28	4,219.01	424.35	362.95	61.40	6.911		
9,600.00	7,630.00	9,963.32	7,870.00	85.28	92.57	-124.44	1,015.28	4,218.67	424.34	364.00	60.35	7.032		
9,700.00	7,630.00	10,063.32	7,870.00	84.95	92.26	-124.44	915.28	4,218.33	424.34	364.91	59.43	7.140		
9,800.00	7,630.00	10,163.32	7,870.00	84.64	91.97	-124.44	815.28	4,217.99	424.34	365.68	58.66	7.234		
9,900.00	7,630.00	10,263.32	7,870.00	84.34	91.70	-124.44	715.28	4,217.66	424.34	366.30	58.04	7.312		
10,000.00	7,630.00	10,363.32	7,870.00	84.06	91.44	-124.44	615.28	4,217.32	424.34	366.77	57.57	7.371		
10,100.00	7,630.00	10,463.32	7,870.00	83.80	91.19	-124.44	515.28	4,216.98	424.34	367.08	57.26	7.411		
10,200.00	7,630.00	10,563.32	7,870.00	83.56	90.96	-124.44	415.28	4,216.65	424.34	367.22	57.11	7.430		
10,300.00	7,630.00	10,663.32	7,870.00	83.33	90.75	-124.44	315.28	4,216.31	424.34	367.21	57.13	7.428		
10,400.00	7,630.00	10,763.32	7,870.00	83.12	90.55	-124.44	215.28	4,215.97	424.34	367.03	57.30	7.405		
10,500.00	7,630.00	10,863.32	7,870.00	82.92	90.37	-124.44	115.28	4,215.63	424.34	366.69	57.64	7.362		
10,600.00	7,630.00	10,963.32	7,870.00	82.75	90.20	-124.44	15.28	4,215.30	424.33	366.20	58.14	7.299		
10,700.00	7,630.00	11,063.32	7,870.00	82.59	90.05	-124.44	-84.72	4,214.96	424.33	365.55	58.78	7.218		
10,800.00	7,630.00	11,163.32	7,870.00	82.45	89.92	-124.44	-184.72	4,214.62	424.33	364.75	59.58	7.122		
10,900.00	7,630.00	11,263.32	7,870.00	82.33	89.81	-124.44	-284.72	4,214.28	424.33	363.81	60.52	7.011		
11,000.00	7,630.00	11,363.32	7,870.00	82.22	89.71	-124.44	-384.72	4,213.95	424.33	362.73	61.60	6.889		
11,100.00	7,630.00	11,463.32	7,870.00	82.14	89.63	-124.44	-484.72	4,213.61	424.33	361.52	62.81	6.756		
11,200.00	7,630.00	11,563.32	7,870.00	82.08	89.57	-124.44	-584.72	4,213.27	424.33	360.19	64.13	6.616		
11,300.00	7,630.00	11,663.32	7,870.00	82.04	89.52	-124.44	-684.71	4,212.94	424.33	358.75	65.58	6.471		
11,400.00	7,630.00	11,763.32	7,870.00	82.02	89.50	-124.44	-784.71	4,212.60	424.33	357.20	67.13	6.321		
11,500.00	7,630.00	11,863.32	7,870.00	82.03	89.50	-124.44	-884.71	4,212.26	424.32	355.55	68.78	6.169		
11,600.00	7,630.00	11,963.32	7,870.00	82.06	89.52	-124.44	-984.71	4,211.92	424.32	353.80	70.52	6.017		
11,700.00	7,630.00	12,063.32	7,870.00	82.12	89.56	-124.44	-1,084.71	4,211.59	424.32	351.97	72.35	5.865		
11,800.00	7,630.00	12,163.32	7,870.00	82.21	89.63	-124.44	-1,184.71	4,211.25	424.32	350.06	74.26	5.714		
11,900.00	7,630.00	12,263.32	7,870.00	82.33	89.72	-124.44	-1,284.71	4,210.91	424.32	348.08	76.24	5.565		
12,000.00	7,630.00	12,363.32	7,870.00	82.48	89.84	-124.44	-1,384.71	4,210.57	424.32	346.03	78.29	5.420		
12,100.00	7,630.00	12,463.32	7,870.00	82.66	89.99	-124.44	-1,484.71	4,210.24	424.32	343.91	80.41	5.277		
12,200.00	7,630.00	12,563.32	7,870.00	82.88	90.16	-124.44	-1,584.71	4,209.90	424.32	341.74	82.58	5.138		
12,300.00	7,630.00	12,663.32	7,870.00	83.14	90.37	-124.45	-1,684.71	4,209.56	424.32	339.51	84.81	5.003		
12,400.00	7,630.00	12,763.32	7,870.00	83.44	90.61	-124.45	-1,784.71	4,209.23	424.32	337.23	87.08	4.873		
12,500.00	7,630.00	12,863.32	7,870.00	83.79	90.88	-124.45	-1,884.71	4,208.89	424.31	334.91	89.41	4.746		
12,600.00	7,630.00	12,963.32	7,870.00	84.18	91.19	-124.45	-1,984.71	4,208.55	424.31	332.54	91.77	4.624		
12,700.00	7,630.00	13,063.32	7,870.00	84.61	91.54	-124.45	-2,084.71	4,208.21	424.31	330.14	94.17	4.506		
12,800.00	7,630.00	13,163.32	7,870.00	85.10	91.92	-124.45	-2,184.71	4,207.88	424.31	327.70	96.61	4.392		
12,900.00	7,630.00	13,263.32	7,870.00	85.64	92.35	-124.45	-2,284.71	4,207.54	424.31	325.23	99.09	4.282		
13,000.00	7,630.00	13,363.32	7,870.00	86.22	92.82	-124.45	-2,384.71	4,207.20	424.31	322.72	101.59	4.177		
13,100.00	7,630.00	13,463.32	7,870.00	86.86	93.33	-124.45	-2,484.70	4,206.86	424.31	320.19	104.12	4.075		
13,200.00	7,630.00	13,563.32	7,870.00	87.56	93.88	-124.45	-2,584.70	4,206.53	424.31	317.62	106.68	3.977		
13,300.00	7,630.00	13,663.32	7,870.00	88.30	94.49	-124.45	-2,684.70	4,206.19	424.31	315.04	109.27	3.883		
13,400.00	7,630.00	13,763.32	7,870.00	89.10	95.13	-124.45	-2,784.70	4,205.85	424.31	312.43	111.88	3.793		
13,500.00	7,630.00	13,863.32	7,870.00	89.94	95.82	-124.45	-2,884.70	4,205.52	424.30	309.80	114.51	3.706		
13,600.00	7,630.00	13,963.32	7,870.00	90.84	96.56	-124.45	-2,984.70	4,205.18	424.30	307.15	117.16	3.622		
13,700.00	7,630.00	14,063.32	7,870.00	91.78	97.34	-124.45	-3,084.70	4,204.84	424.30	304.48	119.82	3.541		
13,800.00	7,630.00	14,163.32	7,870.00	92.77	98.17	-124.45	-3,184.70	4,204.50	424.30	301.79	122.51	3.463		
13,900.00	7,630.00	14,263.32	7,870.00	93.79	99.04	-124.45	-3,284.70	4,204.17	424.30	299.09	125.21	3.389		
14,000.00	7,630.00	14,363.32	7,870.00	94.86	99.95	-124.45	-3,384.70	4,203.83	424.30	296.37	127.93	3.317		
14,100.00	7,630.00	14,463.32	7,870.00	95.97	100.90	-124.45	-3,484.70	4,203.49	424.30	293.63	130.66	3.247		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1H-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,630.00	14,563.32	7,870.00	97.11	101.89	-124.45	-3,584.70	4,203.15	424.30	290.89	133.41	3.180		
14,300.00	7,630.00	14,663.32	7,870.00	98.28	102.92	-124.45	-3,684.70	4,202.82	424.30	288.13	136.17	3.116		
14,400.00	7,630.00	14,763.32	7,870.00	99.48	103.99	-124.45	-3,784.70	4,202.48	424.30	285.36	138.94	3.054		
14,500.00	7,630.00	14,863.32	7,870.00	100.72	105.08	-124.45	-3,884.70	4,202.14	424.29	282.57	141.72	2.994		
14,600.00	7,630.00	14,963.32	7,870.00	101.97	106.21	-124.45	-3,984.70	4,201.80	424.29	279.78	144.51	2.936		
14,700.00	7,630.00	15,063.32	7,870.00	103.26	107.37	-124.45	-4,084.70	4,201.47	424.29	276.98	147.32	2.880		
14,800.00	7,630.00	15,163.32	7,870.00	104.56	108.56	-124.45	-4,184.69	4,201.13	424.29	274.16	150.13	2.826		
14,900.00	7,630.00	15,263.32	7,870.00	105.89	109.77	-124.45	-4,284.69	4,200.79	424.29	271.34	152.95	2.774		
15,000.00	7,630.00	15,363.32	7,870.00	107.24	111.01	-124.45	-4,384.69	4,200.46	424.29	268.51	155.78	2.724		
15,100.00	7,630.00	15,463.32	7,870.00	108.60	112.27	-124.45	-4,484.69	4,200.12	424.29	265.67	158.62	2.675		
15,200.00	7,630.00	15,563.32	7,870.00	109.98	113.56	-124.45	-4,584.69	4,199.78	424.29	262.82	161.46	2.628		
15,300.00	7,630.00	15,663.32	7,870.00	111.38	114.86	-124.45	-4,684.69	4,199.44	424.29	259.97	164.31	2.582		
15,400.00	7,630.00	15,763.32	7,870.00	112.79	116.18	-124.45	-4,784.69	4,199.11	424.29	257.11	167.17	2.538		
15,500.00	7,630.00	15,863.32	7,870.00	114.22	117.53	-124.45	-4,884.69	4,198.77	424.28	254.24	170.04	2.495		
15,600.00	7,630.00	15,963.32	7,870.00	115.66	118.89	-124.45	-4,984.69	4,198.43	424.28	251.37	172.91	2.454		
15,700.00	7,630.00	16,063.32	7,870.00	117.11	120.26	-124.45	-5,084.69	4,198.09	424.28	248.49	175.79	2.414		
15,800.00	7,630.00	16,163.32	7,870.00	118.57	121.65	-124.45	-5,184.69	4,197.76	424.28	245.61	178.67	2.375		
15,900.00	7,630.00	16,263.32	7,870.00	120.05	123.06	-124.45	-5,284.69	4,197.42	424.28	242.72	181.56	2.337		
16,000.00	7,630.00	16,363.32	7,870.00	121.53	124.47	-124.45	-5,384.69	4,197.08	424.28	239.82	184.45	2.300		
16,100.00	7,630.00	16,463.32	7,870.00	123.03	125.91	-124.45	-5,484.69	4,196.75	424.28	236.93	187.35	2.265		
16,200.00	7,630.00	16,563.32	7,870.00	124.53	127.35	-124.45	-5,584.69	4,196.41	424.28	234.02	190.26	2.230		
16,300.00	7,630.00	16,663.32	7,870.00	126.04	128.80	-124.45	-5,684.69	4,196.07	424.28	231.11	193.16	2.196		
16,400.00	7,630.00	16,763.32	7,870.00	127.56	130.27	-124.45	-5,784.69	4,195.73	424.28	228.20	196.07	2.164		
16,500.00	7,630.00	16,863.32	7,870.00	129.09	131.74	-124.45	-5,884.69	4,195.40	424.27	225.28	198.99	2.132		
16,600.00	7,630.00	16,963.32	7,870.00	130.62	133.22	-124.45	-5,984.68	4,195.06	424.27	222.36	201.91	2.101		
16,700.00	7,630.00	17,063.32	7,870.00	132.16	134.72	-124.45	-6,084.68	4,194.72	424.27	219.44	204.83	2.071		
16,800.00	7,630.00	17,163.32	7,870.00	133.71	136.22	-124.45	-6,184.68	4,194.38	424.27	216.51	207.76	2.042		
16,900.00	7,630.00	17,263.32	7,870.00	135.27	137.73	-124.45	-6,284.68	4,194.05	424.27	213.58	210.69	2.014		
17,000.00	7,630.00	17,363.32	7,870.00	136.83	139.24	-124.45	-6,384.68	4,193.71	424.27	210.65	213.62	1.986		
17,100.00	7,630.00	17,463.32	7,870.00	138.39	140.77	-124.45	-6,484.68	4,193.37	424.27	207.71	216.56	1.959		
17,200.00	7,630.00	17,563.32	7,870.00	139.97	142.30	-124.45	-6,584.68	4,193.04	424.27	204.77	219.50	1.933		
17,300.00	7,630.00	17,663.32	7,870.00	141.54	143.84	-124.45	-6,684.68	4,192.70	424.27	201.83	222.44	1.907		
17,400.00	7,630.00	17,763.32	7,870.00	143.12	145.38	-124.45	-6,784.68	4,192.36	424.26	198.88	225.38	1.882		
17,500.00	7,630.00	17,863.32	7,870.00	144.71	146.93	-124.45	-6,884.68	4,192.02	424.26	195.93	228.33	1.858		
17,600.00	7,630.00	17,963.32	7,870.00	146.30	148.49	-124.45	-6,984.68	4,191.69	424.26	192.98	231.28	1.834		
17,700.00	7,630.00	18,063.32	7,870.00	147.90	150.05	-124.45	-7,084.68	4,191.35	424.26	190.03	234.23	1.811		
17,800.00	7,630.00	18,163.32	7,870.00	149.50	151.62	-124.45	-7,184.68	4,191.01	424.26	187.07	237.19	1.789		
17,900.00	7,630.00	18,263.32	7,870.00	151.10	153.19	-124.45	-7,284.68	4,190.67	424.26	184.11	240.15	1.767		
18,000.00	7,630.00	18,363.32	7,870.00	152.71	154.77	-124.45	-7,384.68	4,190.34	424.26	181.15	243.11	1.745		
18,100.00	7,630.00	18,463.32	7,870.00	154.32	156.35	-124.45	-7,484.68	4,190.00	424.26	178.19	246.07	1.724		
18,200.00	7,630.00	18,563.32	7,870.00	155.94	157.94	-124.45	-7,584.68	4,189.66	424.26	175.23	249.03	1.704		
18,300.00	7,630.00	18,663.32	7,870.00	157.56	159.53	-124.45	-7,684.68	4,189.33	424.26	172.26	252.00	1.684		
18,400.00	7,630.00	18,763.32	7,870.00	159.18	161.12	-124.45	-7,784.67	4,188.99	424.25	169.29	254.96	1.664		
18,500.00	7,630.00	18,863.32	7,870.00	160.80	162.72	-124.45	-7,884.67	4,188.65	424.25	166.32	257.93	1.645		
18,600.00	7,630.00	18,963.32	7,870.00	162.43	164.32	-124.45	-7,984.67	4,188.31	424.25	163.35	260.90	1.626		
18,700.00	7,630.00	19,063.32	7,870.00	164.06	165.93	-124.45	-8,084.67	4,187.98	424.25	160.38	263.87	1.608		
18,800.00	7,630.00	19,163.32	7,870.00	165.70	167.54	-124.45	-8,184.67	4,187.64	424.25	157.40	266.85	1.590		
18,900.00	7,630.00	19,263.32	7,870.00	167.33	169.15	-124.45	-8,284.67	4,187.30	424.25	154.43	269.82	1.572		
19,000.00	7,630.00	19,363.32	7,870.00	168.97	170.77	-124.45	-8,384.67	4,186.96	424.25	151.45	272.80	1.555		
19,021.79	7,630.00	19,385.11	7,870.00	169.33	171.12	-124.45	-8,406.46	4,186.89	424.25	150.80	273.45	1.551		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1J-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	1.00	-1.00	0.00	0.00	90.00	0.00	19.88	19.88					
100.00	100.00	101.00	99.00	0.13	0.14	90.00	0.00	19.88	19.88	19.61	0.27	72.971		
200.00	200.00	201.00	199.00	0.49	0.50	90.00	0.00	19.88	19.88	18.89	0.99	20.094		
300.00	300.00	301.00	299.00	0.85	0.85	90.00	0.00	19.88	19.88	18.17	1.71	11.651		
400.00	400.00	401.00	399.00	1.21	1.21	90.00	0.00	19.88	19.88	17.46	2.42	8.204		
500.00	500.00	499.00	499.00	1.57	1.56	90.00	0.00	19.88	19.88	16.75	3.13	6.345 CC, ES		
600.00	600.00	598.34	598.32	1.93	1.92	88.12	0.70	21.41	21.44	17.59	3.84	5.578		
700.00	700.00	697.44	697.28	2.29	2.27	83.79	2.84	26.06	26.27	21.72	4.55	5.777		
800.00	799.98	796.23	795.70	2.64	2.63	18.39	6.38	33.79	32.89	27.65	5.24	6.274		
900.00	899.84	894.78	893.53	2.99	3.00	16.30	11.33	44.56	39.60	33.67	5.93	6.682		
1,000.00	999.45	993.11	990.67	3.35	3.39	15.08	17.66	58.36	46.35	39.74	6.61	7.012		
1,100.00	1,098.70	1,091.21	1,087.02	3.73	3.80	14.41	25.35	75.13	53.09	45.80	7.29	7.282		
1,200.00	1,197.47	1,189.08	1,182.46	4.11	4.24	14.09	34.40	94.84	59.82	51.85	7.97	7.502		
1,300.00	1,295.62	1,286.74	1,276.89	4.53	4.72	14.02	44.77	117.45	66.52	57.86	8.65	7.686		
1,400.00	1,393.06	1,384.19	1,370.21	4.97	5.23	14.12	56.46	142.91	73.17	63.83	9.34	7.831		
1,500.00	1,489.64	1,481.42	1,462.33	5.44	5.79	14.36	69.43	171.18	79.79	69.75	10.04	7.948		
1,600.00	1,585.27	1,578.44	1,553.15	5.95	6.40	14.71	83.66	202.20	86.35	75.60	10.74	8.037		
1,700.00	1,679.82	1,675.26	1,642.57	6.51	7.05	15.13	99.14	235.93	92.86	81.39	11.46	8.101		
1,800.00	1,773.17	1,771.88	1,730.50	7.13	7.77	15.61	115.83	272.30	99.31	87.11	12.20	8.141		
1,900.00	1,865.21	1,868.30	1,816.87	7.79	8.54	16.15	133.71	311.27	105.69	92.74	12.96	8.157		
2,000.00	1,955.84	1,964.53	1,901.57	8.51	9.36	16.73	152.75	352.77	112.02	98.28	13.74	8.151		
2,100.00	2,044.94	2,060.58	1,984.53	9.30	10.25	17.34	172.93	396.75	118.28	103.72	14.56	8.123		
2,200.00	2,132.39	2,156.45	2,065.68	10.15	11.20	17.98	194.22	443.14	124.47	109.05	15.42	8.072		
2,300.00	2,218.11	2,252.14	2,144.93	11.07	12.22	18.65	216.59	491.88	130.59	114.26	16.32	8.000		
2,400.00	2,301.97	2,347.66	2,222.20	12.06	13.29	19.35	240.00	542.90	136.63	119.35	17.28	7.906		
2,500.00	2,383.88	2,443.56	2,297.87	13.11	14.43	20.07	264.57	596.44	142.58	124.26	18.32	7.782		
2,512.74	2,394.17	2,456.28	2,307.81	13.25	14.59	20.17	267.88	603.66	143.26	124.78	18.48	7.751		
2,600.00	2,464.54	2,543.40	2,375.87	14.22	15.67	20.93	290.56	653.09	147.76	128.15	19.62	7.532		
2,700.00	2,545.18	2,643.24	2,453.86	15.35	16.91	21.75	316.56	709.75	152.95	131.99	20.96	7.297		
2,800.00	2,625.82	2,743.08	2,531.85	16.50	18.17	22.51	342.56	766.40	158.17	135.82	22.35	7.078		
2,900.00	2,706.45	2,842.93	2,609.85	17.65	19.44	23.22	368.55	823.05	163.41	139.64	23.77	6.874		
3,000.00	2,787.09	2,942.77	2,687.84	18.82	20.72	23.89	394.55	879.71	168.67	143.44	25.23	6.685		
3,100.00	2,867.73	3,042.61	2,765.84	19.99	22.00	24.52	420.55	936.36	173.96	147.24	26.72	6.510		
3,200.00	2,948.37	3,142.45	2,843.83	21.17	23.29	25.11	446.54	993.01	179.27	151.03	28.24	6.348		
3,300.00	3,029.01	3,242.30	2,921.82	22.36	24.58	25.67	472.54	1,049.67	184.59	154.81	29.79	6.197		
3,400.00	3,109.65	3,342.14	2,999.82	23.55	25.88	26.20	498.54	1,106.32	189.93	158.58	31.36	6.058		
3,500.00	3,190.29	3,441.98	3,077.81	24.74	27.18	26.69	524.53	1,162.98	195.29	162.35	32.95	5.928		
3,600.00	3,270.93	3,541.82	3,155.81	25.94	28.48	27.17	550.53	1,219.63	200.66	166.11	34.56	5.807		
3,700.00	3,351.57	3,641.67	3,233.80	27.14	29.79	27.61	576.53	1,276.28	206.04	169.86	36.18	5.694		
3,800.00	3,432.21	3,741.51	3,311.79	28.35	31.10	28.03	602.52	1,332.94	211.44	173.61	37.83	5.589		
3,900.00	3,512.85	3,841.35	3,389.79	29.56	32.41	28.44	628.52	1,389.59	216.85	177.36	39.49	5.492		
4,000.00	3,593.49	3,941.19	3,467.78	30.76	33.72	28.82	654.52	1,446.24	222.26	181.10	41.16	5.400		
4,100.00	3,674.13	4,041.04	3,545.78	31.97	35.03	29.18	680.51	1,502.90	227.69	184.84	42.85	5.314		
4,200.00	3,754.77	4,140.88	3,623.77	33.19	36.34	29.53	706.51	1,559.55	233.12	188.58	44.54	5.234		
4,300.00	3,835.41	4,240.72	3,701.76	34.40	37.66	29.86	732.51	1,616.21	238.56	192.31	46.25	5.158		
4,400.00	3,916.05	4,340.56	3,779.76	35.62	38.98	30.18	758.50	1,672.86	244.01	196.04	47.97	5.087		
4,500.00	3,996.69	4,440.41	3,857.75	36.83	40.29	30.48	784.50	1,729.51	249.47	199.77	49.70	5.020		
4,600.00	4,077.33	4,540.25	3,935.75	38.05	41.61	30.77	810.50	1,786.17	254.93	203.50	51.43	4.957		
4,700.00	4,157.96	4,640.09	4,013.74	39.27	42.93	31.05	836.49	1,842.82	260.40	207.23	53.18	4.897		
4,800.00	4,238.60	4,739.93	4,091.73	40.49	44.25	31.32	862.49	1,899.47	265.88	210.95	54.93	4.840		
4,900.00	4,319.24	4,839.78	4,169.73	41.71	45.57	31.57	888.49	1,956.13	271.36	214.67	56.69	4.787		
5,000.00	4,399.88	4,939.62	4,247.72	42.93	46.89	31.82	914.48	2,012.78	276.85	218.40	58.45	4.736		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1J-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)						
5,100.00	4,480.52	5,039.46	4,325.72	44.15	48.21	32.06	940.48	2,069.43	282.34	222.12	60.22	4.688		
5,200.00	4,561.16	5,139.30	4,403.71	45.37	49.54	32.28	966.48	2,126.09	287.84	225.84	62.00	4.643		
5,300.00	4,641.80	5,239.15	4,481.70	46.59	50.86	32.50	992.47	2,182.74	293.34	229.55	63.78	4.599		
5,400.00	4,722.44	5,338.99	4,559.70	47.82	52.18	32.71	1,018.47	2,239.40	298.84	233.27	65.57	4.558		
5,500.00	4,803.08	5,438.83	4,637.69	49.04	53.51	32.91	1,044.47	2,296.05	304.35	236.99	67.36	4.518		
5,600.00	4,883.72	5,538.67	4,715.69	50.27	54.83	33.11	1,070.46	2,352.70	309.86	240.70	69.16	4.481		
5,700.00	4,964.36	5,638.52	4,793.68	51.49	56.15	33.30	1,096.46	2,409.36	315.38	244.42	70.96	4.445		
5,800.00	5,045.00	5,738.36	4,871.67	52.71	57.48	33.48	1,122.46	2,466.01	320.89	248.14	72.76	4.410		
5,900.00	5,125.64	5,838.20	4,949.67	53.94	58.80	33.66	1,148.45	2,522.66	326.42	251.85	74.57	4.377		
6,000.00	5,206.28	5,938.04	5,027.66	55.17	60.13	33.83	1,174.45	2,579.32	331.94	255.56	76.38	4.346		
6,100.00	5,286.92	6,037.89	5,105.65	56.39	61.45	33.99	1,200.45	2,635.97	337.47	259.28	78.19	4.316		
6,200.00	5,367.56	6,137.73	5,183.65	57.62	62.78	34.15	1,226.44	2,692.63	343.00	262.99	80.01	4.287		
6,300.00	5,448.20	6,237.57	5,261.64	58.84	64.10	34.31	1,252.44	2,749.28	348.53	266.70	81.83	4.259		
6,400.00	5,528.84	6,337.41	5,339.64	60.07	65.43	34.45	1,278.44	2,805.93	354.07	270.41	83.65	4.233		
6,500.00	5,609.47	6,437.26	5,417.63	61.30	66.76	34.60	1,304.43	2,862.59	359.61	274.13	85.48	4.207		
6,600.00	5,690.11	6,537.10	5,495.62	62.53	68.08	34.74	1,330.43	2,919.24	365.15	277.84	87.31	4.182		
6,700.00	5,770.75	6,636.94	5,573.62	63.75	69.41	34.88	1,356.43	2,975.89	370.69	281.55	89.14	4.159		
6,800.00	5,851.39	6,736.78	5,651.61	64.98	70.74	35.01	1,382.42	3,032.55	376.23	285.26	90.97	4.136		
6,900.00	5,932.03	6,836.63	5,729.61	66.21	72.06	35.14	1,408.42	3,089.20	381.78	288.97	92.81	4.114		
7,000.00	6,012.67	6,936.47	5,807.60	67.44	73.39	35.26	1,434.42	3,145.85	387.33	292.68	94.64	4.092		
7,100.00	6,093.31	7,036.31	5,885.59	68.66	74.72	35.38	1,460.41	3,202.51	392.88	296.39	96.48	4.072		
7,200.00	6,173.95	7,136.15	5,963.59	69.89	76.05	35.50	1,486.41	3,259.16	398.43	300.10	98.32	4.052		
7,300.00	6,254.59	7,236.00	6,041.58	71.12	77.37	35.62	1,512.41	3,315.82	403.98	303.81	100.17	4.033		
7,400.00	6,335.23	7,335.84	6,119.58	72.35	78.70	35.73	1,538.40	3,372.47	409.53	307.52	102.01	4.015		
7,500.00	6,415.87	7,435.68	6,197.57	73.58	80.03	35.84	1,564.40	3,429.12	415.09	311.23	103.86	3.997		
7,600.00	6,496.51	7,535.52	6,275.56	74.81	81.36	35.94	1,590.40	3,485.78	420.65	314.94	105.70	3.979		
7,700.00	6,577.15	7,635.37	6,353.56	76.04	82.68	36.04	1,616.39	3,542.43	426.21	318.65	107.55	3.963		
7,800.00	6,657.79	7,735.21	6,431.55	77.27	84.01	36.14	1,642.39	3,599.08	431.77	322.36	109.40	3.947		
7,900.00	6,738.43	7,835.05	6,509.55	78.50	85.34	36.24	1,668.39	3,655.74	437.33	326.07	111.26	3.931		
8,000.00	6,819.07	7,934.89	6,587.54	79.73	86.67	36.34	1,694.38	3,712.39	442.89	329.78	113.11	3.916		
8,100.00	6,899.71	8,034.74	6,665.53	80.96	88.00	36.43	1,720.38	3,769.05	448.46	333.49	114.96	3.901		
8,200.00	6,980.35	8,134.58	6,743.53	82.18	89.32	36.52	1,746.38	3,825.70	454.02	337.20	116.82	3.887		
8,240.58	7,013.07	8,175.09	6,775.18	82.68	89.86	36.56	1,756.93	3,848.69	456.28	338.71	117.57	3.881		
8,250.00	7,020.68	8,184.50	6,782.53	82.80	89.99	35.42	1,759.38	3,854.03	456.79	339.05	117.73	3.880		
8,300.00	7,061.63	8,234.37	6,821.49	83.40	90.65	28.56	1,772.36	3,882.33	458.90	340.87	118.03	3.888		
8,350.00	7,103.23	8,283.88	6,860.16	83.97	91.31	20.50	1,785.25	3,910.42	460.09	342.69	117.40	3.919		
8,400.00	7,145.18	8,332.64	6,898.25	84.51	91.96	11.54	1,797.95	3,938.09	460.54	344.71	115.84	3.976		
8,450.00	7,187.16	8,380.29	6,935.47	85.01	92.59	2.04	1,810.36	3,965.13	460.55	347.21	113.34	4.063		
8,487.70	7,218.63	8,415.27	6,962.79	85.35	93.06	-5.22	1,819.46	3,984.97	460.49	349.64	110.86	4.154		
8,500.00	7,228.84	8,426.47	6,971.54	85.46	93.21	-7.57	1,822.38	3,991.32	460.50	350.55	109.95	4.188		
8,550.00	7,269.91	8,470.81	7,006.18	85.86	93.80	-16.92	1,833.92	4,016.49	460.91	355.13	105.79	4.357		
8,600.00	7,310.05	8,512.99	7,039.13	86.20	94.36	-25.72	1,844.91	4,040.42	462.34	361.28	101.06	4.575		
8,650.00	7,348.97	8,552.68	7,070.13	86.50	94.89	-33.74	1,855.24	4,062.94	465.39	369.28	96.12	4.842		
8,700.00	7,386.36	8,589.58	7,098.96	86.74	95.38	-40.86	1,864.85	4,083.88	470.69	379.22	91.48	5.146		
8,750.00	7,421.94	8,623.41	7,125.39	86.93	95.83	-46.97	1,873.66	4,103.08	478.79	391.05	87.75	5.456		
8,800.00	7,455.44	8,655.73	7,150.65	87.07	96.26	-52.17	1,882.02	4,121.42	490.15	404.56	85.59	5.727		
8,850.00	7,486.61	8,695.27	7,181.89	87.16	96.78	-57.23	1,890.46	4,144.11	504.64	419.13	85.51	5.902		
8,900.00	7,515.20	8,738.13	7,216.22	87.20	97.32	-61.79	1,896.59	4,169.03	521.96	434.80	87.15	5.989		
8,950.00	7,541.00	8,785.68	7,254.61	87.21	97.90	-66.02	1,899.65	4,196.89	541.82	451.97	89.85	6.030		
9,000.00	7,563.81	8,840.02	7,298.58	87.17	98.53	-70.13	1,898.32	4,228.77	563.85	471.11	92.74	6.080		
9,050.00	7,583.47	8,904.71	7,350.50	87.10	99.21	-74.38	1,890.04	4,266.40	587.56	492.77	94.78	6.199		
9,100.00	7,599.81	8,985.96	7,414.11	87.00	99.94	-79.14	1,869.51	4,312.46	612.20	517.57	94.64	6.469		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1J-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,150.00	7,612.72	9,095.04	7,494.62	86.88	100.70	-84.77	1,824.92	4,370.70	636.61	546.27	90.34	7.047		
9,200.00	7,622.09	9,251.78	7,595.18	86.72	101.35	-91.27	1,729.90	4,443.31	658.60	578.66	79.94	8.238		
9,250.00	7,627.87	9,480.56	7,696.40	86.55	101.45	-97.01	1,539.88	4,516.08	674.00	602.17	71.83	9.383		
9,303.98	7,630.00	9,715.47	7,730.00	86.35	100.84	-98.57	1,310.21	4,539.67	677.53	589.83	87.70	7.726		
9,400.00	7,630.00	9,811.49	7,730.00	85.99	100.52	-98.57	1,214.19	4,539.34	677.53	591.05	86.48	7.835		
9,500.00	7,630.00	9,911.49	7,730.00	85.62	100.20	-98.57	1,114.19	4,539.00	677.53	592.19	85.33	7.940		
9,600.00	7,630.00	10,011.49	7,730.00	85.28	99.89	-98.57	1,014.19	4,538.67	677.52	593.20	84.32	8.035		
9,700.00	7,630.00	10,111.49	7,730.00	84.95	99.60	-98.57	914.19	4,538.33	677.52	594.08	83.44	8.120		
9,800.00	7,630.00	10,211.49	7,730.00	84.64	99.33	-98.57	814.19	4,537.99	677.52	594.82	82.70	8.192		
9,900.00	7,630.00	10,311.49	7,730.00	84.34	99.06	-98.57	714.19	4,537.65	677.51	595.41	82.11	8.252		
10,000.00	7,630.00	10,411.49	7,730.00	84.06	98.82	-98.57	614.19	4,537.31	677.51	595.86	81.65	8.297		
10,100.00	7,630.00	10,511.49	7,730.00	83.80	98.58	-98.57	514.19	4,536.97	677.51	596.16	81.35	8.328		
10,200.00	7,630.00	10,611.49	7,730.00	83.56	98.36	-98.57	414.19	4,536.63	677.51	596.31	81.20	8.344		
10,300.00	7,630.00	10,711.49	7,730.00	83.33	98.16	-98.57	314.19	4,536.29	677.50	596.31	81.20	8.344		
10,400.00	7,630.00	10,811.49	7,730.00	83.12	97.96	-98.57	214.19	4,535.96	677.50	596.15	81.35	8.328		
10,500.00	7,630.00	10,911.49	7,730.00	82.92	97.79	-98.57	114.19	4,535.62	677.50	595.85	81.65	8.298		
10,600.00	7,630.00	11,011.49	7,730.00	82.75	97.63	-98.57	14.19	4,535.28	677.50	595.40	82.10	8.252		
10,700.00	7,630.00	11,111.49	7,730.00	82.59	97.48	-98.57	-85.81	4,534.94	677.49	594.80	82.69	8.193		
10,800.00	7,630.00	11,211.49	7,730.00	82.45	97.35	-98.57	-185.81	4,534.60	677.49	594.06	83.43	8.121		
10,900.00	7,630.00	11,311.49	7,730.00	82.33	97.23	-98.57	-285.81	4,534.26	677.49	593.18	84.31	8.036		
11,000.00	7,630.00	11,411.49	7,730.00	82.22	97.13	-98.57	-385.80	4,533.92	677.49	592.17	85.32	7.941		
11,100.00	7,630.00	11,511.49	7,730.00	82.14	97.05	-98.57	-485.80	4,533.59	677.48	591.02	86.46	7.836		
11,200.00	7,630.00	11,611.49	7,730.00	82.08	96.98	-98.57	-585.80	4,533.25	677.48	589.75	87.73	7.723		
11,300.00	7,630.00	11,711.49	7,730.00	82.04	96.93	-98.57	-685.80	4,532.91	677.48	588.37	89.11	7.602		
11,400.00	7,630.00	11,811.49	7,730.00	82.02	96.89	-98.57	-785.80	4,532.57	677.48	586.86	90.61	7.477		
11,500.00	7,630.00	11,911.49	7,730.00	82.03	96.88	-98.57	-885.80	4,532.23	677.47	585.25	92.22	7.346		
11,600.00	7,630.00	12,011.49	7,730.00	82.06	96.88	-98.57	-985.80	4,531.89	677.47	583.53	93.94	7.212		
11,700.00	7,630.00	12,111.49	7,730.00	82.12	96.90	-98.57	-1,085.80	4,531.55	677.47	581.72	95.75	7.076		
11,800.00	7,630.00	12,211.49	7,730.00	82.21	96.94	-98.57	-1,185.80	4,531.21	677.47	579.82	97.65	6.938		
11,900.00	7,630.00	12,311.49	7,730.00	82.33	97.00	-98.57	-1,285.80	4,530.88	677.46	577.83	99.64	6.799		
12,000.00	7,630.00	12,411.49	7,730.00	82.48	97.09	-98.57	-1,385.80	4,530.54	677.46	575.75	101.71	6.661		
12,100.00	7,630.00	12,511.49	7,730.00	82.66	97.20	-98.57	-1,485.80	4,530.20	677.46	573.60	103.86	6.523		
12,200.00	7,630.00	12,611.49	7,730.00	82.88	97.33	-98.57	-1,585.80	4,529.86	677.46	571.38	106.08	6.387		
12,300.00	7,630.00	12,711.49	7,730.00	83.14	97.48	-98.57	-1,685.80	4,529.52	677.45	569.09	108.36	6.252		
12,400.00	7,630.00	12,811.49	7,730.00	83.44	97.67	-98.57	-1,785.80	4,529.18	677.45	566.74	110.71	6.119		
12,500.00	7,630.00	12,911.49	7,730.00	83.79	97.88	-98.57	-1,885.80	4,528.84	677.45	564.32	113.12	5.989		
12,600.00	7,630.00	13,011.49	7,730.00	84.18	98.11	-98.57	-1,985.80	4,528.51	677.45	561.86	115.59	5.861		
12,700.00	7,630.00	13,111.49	7,730.00	84.61	98.38	-98.57	-2,085.80	4,528.17	677.44	559.33	118.11	5.736		
12,800.00	7,630.00	13,211.49	7,730.00	85.10	98.68	-98.57	-2,185.79	4,527.83	677.44	556.76	120.68	5.614		
12,900.00	7,630.00	13,311.49	7,730.00	85.64	99.02	-98.57	-2,285.79	4,527.49	677.44	554.15	123.29	5.495		
13,000.00	7,630.00	13,411.49	7,730.00	86.22	99.38	-98.57	-2,385.79	4,527.15	677.44	551.49	125.95	5.379		
13,100.00	7,630.00	13,511.49	7,730.00	86.86	99.79	-98.57	-2,485.79	4,526.81	677.43	548.79	128.64	5.266		
13,200.00	7,630.00	13,611.49	7,730.00	87.56	100.23	-98.57	-2,585.79	4,526.47	677.43	546.05	131.38	5.156		
13,300.00	7,630.00	13,711.49	7,730.00	88.30	100.70	-98.57	-2,685.79	4,526.14	677.43	543.28	134.15	5.050		
13,400.00	7,630.00	13,811.49	7,730.00	89.10	101.22	-98.57	-2,785.79	4,525.80	677.42	540.47	136.96	4.946		
13,500.00	7,630.00	13,911.49	7,730.00	89.94	101.77	-98.57	-2,885.79	4,525.46	677.42	537.63	139.79	4.846		
13,600.00	7,630.00	14,011.49	7,730.00	90.84	102.37	-98.57	-2,985.79	4,525.12	677.42	534.76	142.66	4.749		
13,700.00	7,630.00	14,111.49	7,730.00	91.78	103.00	-98.57	-3,085.79	4,524.78	677.42	531.87	145.55	4.654		
13,800.00	7,630.00	14,211.49	7,730.00	92.77	103.68	-98.57	-3,185.79	4,524.44	677.41	528.94	148.47	4.563		
13,900.00	7,630.00	14,311.49	7,730.00	93.79	104.40	-98.57	-3,285.79	4,524.10	677.41	526.00	151.42	4.474		
14,000.00	7,630.00	14,411.49	7,730.00	94.86	105.16	-98.57	-3,385.79	4,523.76	677.41	523.03	154.38	4.388		
14,100.00	7,630.00	14,511.49	7,730.00	95.97	105.96	-98.57	-3,485.79	4,523.43	677.41	520.03	157.37	4.304		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1J-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,630.00	14,611.49	7,730.00	97.11	106.80	-98.57	-3,585.79	4,523.09	677.40	517.02	160.38	4.224		
14,300.00	7,630.00	14,711.49	7,730.00	98.28	107.67	-98.57	-3,685.79	4,522.75	677.40	513.99	163.41	4.145		
14,400.00	7,630.00	14,811.49	7,730.00	99.48	108.59	-98.57	-3,785.79	4,522.41	677.40	510.94	166.46	4.069		
14,500.00	7,630.00	14,911.49	7,730.00	100.72	109.54	-98.57	-3,885.78	4,522.07	677.40	507.87	169.53	3.996		
14,600.00	7,630.00	15,011.49	7,730.00	101.97	110.53	-98.57	-3,985.78	4,521.73	677.39	504.78	172.61	3.924		
14,700.00	7,630.00	15,111.49	7,730.00	103.26	111.55	-98.57	-4,085.78	4,521.39	677.39	501.68	175.71	3.855		
14,800.00	7,630.00	15,211.49	7,730.00	104.56	112.61	-98.57	-4,185.78	4,521.06	677.39	498.57	178.82	3.788		
14,900.00	7,630.00	15,311.49	7,730.00	105.89	113.70	-98.57	-4,285.78	4,520.72	677.39	495.44	181.95	3.723		
15,000.00	7,630.00	15,411.49	7,730.00	107.24	114.81	-98.57	-4,385.78	4,520.38	677.38	492.29	185.09	3.660		
15,100.00	7,630.00	15,511.49	7,730.00	108.60	115.96	-98.57	-4,485.78	4,520.04	677.38	489.14	188.25	3.598		
15,200.00	7,630.00	15,611.49	7,730.00	109.98	117.13	-98.58	-4,585.78	4,519.70	677.38	485.97	191.41	3.539		
15,300.00	7,630.00	15,711.49	7,730.00	111.38	118.33	-98.58	-4,685.78	4,519.36	677.38	482.79	194.59	3.481		
15,400.00	7,630.00	15,811.49	7,730.00	112.79	119.55	-98.58	-4,785.78	4,519.02	677.37	479.60	197.78	3.425		
15,500.00	7,630.00	15,911.49	7,730.00	114.22	120.79	-98.58	-4,885.78	4,518.68	677.37	476.39	200.98	3.370		
15,600.00	7,630.00	16,011.49	7,730.00	115.66	122.06	-98.58	-4,985.78	4,518.35	677.37	473.18	204.18	3.317		
15,700.00	7,630.00	16,111.49	7,730.00	117.11	123.35	-98.58	-5,085.78	4,518.01	677.37	469.96	207.40	3.266		
15,800.00	7,630.00	16,211.49	7,730.00	118.57	124.65	-98.58	-5,185.78	4,517.67	677.36	466.73	210.63	3.216		
15,900.00	7,630.00	16,311.49	7,730.00	120.05	125.98	-98.58	-5,285.78	4,517.33	677.36	463.49	213.87	3.167		
16,000.00	7,630.00	16,411.49	7,730.00	121.53	127.32	-98.58	-5,385.78	4,516.99	677.36	460.25	217.11	3.120		
16,100.00	7,630.00	16,511.49	7,730.00	123.03	128.67	-98.58	-5,485.78	4,516.65	677.36	456.99	220.36	3.074		
16,200.00	7,630.00	16,611.49	7,730.00	124.53	130.05	-98.58	-5,585.78	4,516.31	677.35	453.73	223.62	3.029		
16,300.00	7,630.00	16,711.49	7,730.00	126.04	131.43	-98.58	-5,685.77	4,515.98	677.35	450.46	226.89	2.985		
16,400.00	7,630.00	16,811.49	7,730.00	127.56	132.84	-98.58	-5,785.77	4,515.64	677.35	447.18	230.16	2.943		
16,500.00	7,630.00	16,911.49	7,730.00	129.09	134.25	-98.58	-5,885.77	4,515.30	677.35	443.90	233.44	2.902		
16,600.00	7,630.00	17,011.49	7,730.00	130.62	135.68	-98.58	-5,985.77	4,514.96	677.34	440.61	236.73	2.861		
16,700.00	7,630.00	17,111.49	7,730.00	132.16	137.11	-98.58	-6,085.77	4,514.62	677.34	437.32	240.02	2.822		
16,800.00	7,630.00	17,211.49	7,730.00	133.71	138.56	-98.58	-6,185.77	4,514.28	677.34	434.01	243.32	2.784		
16,900.00	7,630.00	17,311.49	7,730.00	135.27	140.02	-98.58	-6,285.77	4,513.94	677.34	430.71	246.63	2.746		
17,000.00	7,630.00	17,411.49	7,730.00	136.83	141.49	-98.58	-6,385.77	4,513.60	677.33	427.39	249.94	2.710		
17,100.00	7,630.00	17,511.49	7,730.00	138.39	142.97	-98.58	-6,485.77	4,513.27	677.33	424.08	253.25	2.675		
17,200.00	7,630.00	17,611.49	7,730.00	139.97	144.46	-98.58	-6,585.77	4,512.93	677.33	420.75	256.57	2.640		
17,300.00	7,630.00	17,711.49	7,730.00	141.54	145.95	-98.58	-6,685.77	4,512.59	677.32	417.43	259.90	2.606		
17,400.00	7,630.00	17,811.49	7,730.00	143.12	147.45	-98.58	-6,785.77	4,512.25	677.32	414.10	263.23	2.573		
17,500.00	7,630.00	17,911.49	7,730.00	144.71	148.97	-98.58	-6,885.77	4,511.91	677.32	410.76	266.56	2.541		
17,600.00	7,630.00	18,011.49	7,730.00	146.30	150.48	-98.58	-6,985.77	4,511.57	677.32	407.42	269.90	2.510		
17,700.00	7,630.00	18,111.49	7,730.00	147.90	152.01	-98.58	-7,085.77	4,511.23	677.31	404.07	273.24	2.479		
17,800.00	7,630.00	18,211.49	7,730.00	149.50	153.54	-98.58	-7,185.77	4,510.90	677.31	400.72	276.59	2.449		
17,900.00	7,630.00	18,311.49	7,730.00	151.10	155.08	-98.58	-7,285.77	4,510.56	677.31	397.37	279.94	2.420		
18,000.00	7,630.00	18,411.49	7,730.00	152.71	156.63	-98.58	-7,385.76	4,510.22	677.31	394.02	283.29	2.391		
18,100.00	7,630.00	18,511.49	7,730.00	154.32	158.18	-98.58	-7,485.76	4,509.88	677.30	390.66	286.65	2.363		
18,200.00	7,630.00	18,611.49	7,730.00	155.94	159.73	-98.58	-7,585.76	4,509.54	677.30	387.29	290.01	2.335		
18,300.00	7,630.00	18,711.49	7,730.00	157.56	161.29	-98.58	-7,685.76	4,509.20	677.30	383.93	293.37	2.309		
18,400.00	7,630.00	18,811.49	7,730.00	159.18	162.86	-98.58	-7,785.76	4,508.86	677.30	380.56	296.74	2.282		
18,500.00	7,630.00	18,911.49	7,730.00	160.80	164.43	-98.58	-7,885.76	4,508.53	677.29	377.18	300.11	2.257		
18,600.00	7,630.00	19,011.49	7,730.00	162.43	166.01	-98.58	-7,985.76	4,508.19	677.29	373.81	303.48	2.232		
18,700.00	7,630.00	19,111.49	7,730.00	164.06	167.59	-98.58	-8,085.76	4,507.85	677.29	370.43	306.86	2.207		
18,800.00	7,630.00	19,211.49	7,730.00	165.70	169.17	-98.58	-8,185.76	4,507.51	677.29	367.05	310.24	2.183		
18,900.00	7,630.00	19,311.49	7,730.00	167.33	170.76	-98.58	-8,285.76	4,507.17	677.28	363.66	313.62	2.160		
19,000.00	7,630.00	19,411.49	7,730.00	168.97	172.36	-98.58	-8,385.76	4,506.83	677.28	360.28	317.01	2.136		
19,021.79	7,630.00	19,433.28	7,730.00	169.33	172.71	-98.58	-8,407.55	4,506.76	677.28	359.54	317.74	2.132 SF		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1K-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	1.00	-1.00	0.00	0.00	90.00	0.00	29.96	29.96					
100.00	100.00	101.00	99.00	0.13	0.14	90.00	0.00	29.96	29.96	29.69	0.27	109.971		
200.00	200.00	201.00	199.00	0.49	0.50	90.00	0.00	29.96	29.96	28.97	0.99	30.282		
300.00	300.00	301.00	299.00	0.85	0.85	90.00	0.00	29.96	29.96	28.25	1.71	17.558		
400.00	400.00	399.00	399.00	1.21	1.21	90.00	0.00	29.96	29.96	27.54	2.42	12.400 CC, ES		
500.00	500.00	498.02	498.00	1.57	1.56	88.80	0.66	31.50	31.52	28.40	3.13	10.085		
600.00	600.00	596.80	596.64	1.93	1.91	85.78	2.67	36.17	36.34	32.51	3.83	9.485		
700.00	700.00	695.11	694.58	2.29	2.27	82.22	6.00	43.91	44.54	40.00	4.53	9.821		
800.00	799.98	792.94	791.71	2.64	2.64	17.69	10.63	54.68	54.52	49.30	5.23	10.434		
900.00	899.84	890.43	888.04	2.99	3.03	16.05	16.55	68.43	64.58	58.68	5.91	10.936		
1,000.00	999.45	987.60	983.49	3.35	3.44	15.09	23.73	85.12	74.65	68.07	6.58	11.337		
1,100.00	1,098.70	1,084.44	1,077.94	3.73	3.89	14.55	32.15	104.71	84.70	77.43	7.26	11.660		
1,200.00	1,197.47	1,180.96	1,171.32	4.11	4.36	14.30	41.80	127.14	94.69	86.75	7.94	11.927		
1,300.00	1,295.62	1,277.16	1,263.52	4.53	4.88	14.25	52.65	152.36	104.62	96.00	8.62	12.132		
1,400.00	1,393.06	1,373.06	1,354.45	4.97	5.44	14.36	64.68	180.31	114.48	105.17	9.31	12.295		
1,500.00	1,489.64	1,468.65	1,444.04	5.44	6.04	14.58	77.85	210.94	124.25	114.24	10.01	12.418		
1,600.00	1,585.27	1,563.95	1,532.19	5.95	6.70	14.88	92.16	244.20	133.93	123.22	10.71	12.504		
1,700.00	1,679.82	1,658.96	1,618.83	6.51	7.41	15.26	107.56	280.01	143.51	132.08	11.43	12.557		
1,800.00	1,773.17	1,753.69	1,703.87	7.13	8.17	15.69	124.05	318.33	152.99	140.82	12.16	12.576		
1,900.00	1,865.21	1,848.14	1,787.25	7.79	8.98	16.17	141.58	359.09	162.36	149.43	12.92	12.564		
2,000.00	1,955.84	1,942.33	1,868.90	8.51	9.86	16.68	160.13	402.22	171.61	157.91	13.71	12.521		
2,100.00	2,044.94	2,036.26	1,948.73	9.30	10.79	17.23	179.68	447.67	180.75	166.23	14.52	12.447		
2,200.00	2,132.39	2,129.93	2,026.70	10.15	11.78	17.80	200.20	495.37	189.77	174.39	15.37	12.344		
2,300.00	2,218.11	2,223.36	2,102.72	11.07	12.83	18.40	221.66	545.24	198.66	182.39	16.27	12.211		
2,400.00	2,301.97	2,316.56	2,176.76	12.06	13.94	19.01	244.02	597.24	207.43	190.21	17.21	12.049		
2,500.00	2,383.88	2,409.52	2,248.73	13.11	15.11	19.65	267.27	651.28	216.07	197.85	18.22	11.861		
2,512.74	2,394.17	2,421.36	2,257.76	13.25	15.26	19.73	270.29	658.32	217.16	198.81	18.35	11.835		
2,600.00	2,464.54	2,508.26	2,323.92	14.22	16.40	20.37	292.56	710.08	224.63	205.16	19.47	11.537		
2,700.00	2,545.18	2,607.86	2,399.73	15.35	17.72	21.05	318.08	769.41	233.23	212.43	20.79	11.216		
2,800.00	2,625.82	2,707.45	2,475.55	16.50	19.05	21.68	343.60	828.73	241.85	219.70	22.16	10.916		
2,900.00	2,706.45	2,807.04	2,551.37	17.65	20.39	22.27	369.12	888.06	250.51	226.96	23.55	10.638		
3,000.00	2,787.09	2,906.64	2,627.18	18.82	21.74	22.82	394.64	947.38	259.19	234.21	24.97	10.379		
3,100.00	2,867.73	3,006.23	2,703.00	19.99	23.10	23.33	420.16	1,006.71	267.89	241.47	26.42	10.138		
3,200.00	2,948.37	3,105.82	2,778.82	21.17	24.45	23.81	445.68	1,066.03	276.61	248.71	27.90	9.915		
3,300.00	3,029.01	3,205.42	2,854.63	22.36	25.82	24.27	471.20	1,125.36	285.35	255.96	29.39	9.708		
3,400.00	3,109.65	3,305.01	2,930.45	23.55	27.18	24.69	496.72	1,184.68	294.10	263.20	30.91	9.516		
3,500.00	3,190.29	3,404.60	3,006.27	24.74	28.55	25.09	522.24	1,244.01	302.88	270.44	32.44	9.336		
3,600.00	3,270.93	3,504.19	3,082.08	25.94	29.93	25.47	547.75	1,303.33	311.66	277.67	33.99	9.170		
3,700.00	3,351.57	3,603.79	3,157.90	27.14	31.30	25.82	573.27	1,362.65	320.46	284.91	35.55	9.014		
3,800.00	3,432.21	3,703.38	3,233.71	28.35	32.68	26.16	598.79	1,421.98	329.27	292.14	37.13	8.868		
3,900.00	3,512.85	3,802.97	3,309.53	29.56	34.06	26.48	624.31	1,481.30	338.09	299.37	38.72	8.732		
4,000.00	3,593.49	3,902.57	3,385.35	30.76	35.44	26.79	649.83	1,540.63	346.92	306.60	40.32	8.605		
4,100.00	3,674.13	4,002.16	3,461.16	31.97	36.82	27.08	675.35	1,599.95	355.76	313.83	41.93	8.485		
4,200.00	3,754.77	4,101.75	3,536.98	33.19	38.20	27.35	700.87	1,659.28	364.60	321.06	43.55	8.373		
4,300.00	3,835.41	4,201.34	3,612.80	34.40	39.58	27.61	726.39	1,718.60	373.46	328.28	45.18	8.267		
4,400.00	3,916.05	4,300.94	3,688.61	35.62	40.97	27.86	751.91	1,777.93	382.32	335.51	46.81	8.167		
4,500.00	3,996.69	4,400.53	3,764.43	36.83	42.36	28.10	777.43	1,837.25	391.19	342.73	48.46	8.073		
4,600.00	4,077.33	4,500.12	3,840.24	38.05	43.74	28.33	802.95	1,896.58	400.07	349.96	50.11	7.984		
4,700.00	4,157.96	4,599.72	3,916.06	39.27	45.13	28.55	828.47	1,955.90	408.95	357.19	51.76	7.900		
4,800.00	4,238.60	4,700.69	3,991.88	40.49	46.54	28.76	853.98	2,015.23	417.84	364.40	53.44	7.819		
4,900.00	4,319.24	4,801.10	4,067.69	41.71	47.94	28.95	879.50	2,074.55	426.73	371.62	55.11	7.743		
5,000.00	4,399.88	4,898.50	4,143.51	42.93	49.30	29.15	905.02	2,133.88	435.63	378.86	56.77	7.673		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1K-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,480.52	5,001.91	4,219.33	44.15	50.74	29.33	930.54	2,193.20	444.53	386.05	58.48	7.601		
5,200.00	4,561.16	5,097.68	4,295.14	45.37	52.08	29.51	956.06	2,252.52	453.44	393.30	60.13	7.540		
5,300.00	4,641.80	5,197.27	4,370.96	46.59	53.47	29.68	981.58	2,311.85	462.35	400.53	61.82	7.479		
5,400.00	4,722.44	5,303.13	4,446.78	47.82	54.95	29.84	1,007.10	2,371.17	471.26	407.70	63.56	7.414		
5,500.00	4,803.08	5,396.46	4,522.59	49.04	56.25	30.00	1,032.62	2,430.50	480.18	414.97	65.21	7.364		
5,600.00	4,883.72	5,496.05	4,598.41	50.27	57.64	30.15	1,058.14	2,489.82	489.11	422.20	66.91	7.310		
5,700.00	4,964.36	5,604.35	4,674.22	51.49	59.16	30.30	1,083.66	2,549.15	498.03	429.35	68.68	7.251		
5,800.00	5,045.00	5,695.24	4,750.04	52.71	60.43	30.44	1,109.18	2,608.47	506.96	436.64	70.32	7.210		
5,900.00	5,125.64	5,805.17	4,825.86	53.94	61.96	30.57	1,134.70	2,667.80	515.89	443.78	72.11	7.154		
6,000.00	5,206.28	5,905.58	4,901.67	55.17	63.37	30.71	1,160.21	2,727.12	524.83	451.00	73.83	7.109		
6,100.00	5,286.92	6,005.98	4,977.49	56.39	64.77	30.83	1,185.73	2,786.45	533.76	458.22	75.55	7.065		
6,200.00	5,367.56	6,093.61	5,053.31	57.62	66.00	30.96	1,211.25	2,845.77	542.70	465.54	77.17	7.033		
6,300.00	5,448.20	6,193.20	5,129.12	58.84	67.39	31.08	1,236.77	2,905.10	551.64	472.76	78.89	6.993		
6,400.00	5,528.84	6,292.80	5,204.94	60.07	68.79	31.19	1,262.29	2,964.42	560.59	479.98	80.61	6.955		
6,500.00	5,609.47	6,392.39	5,280.75	61.30	70.18	31.30	1,287.81	3,023.75	569.53	487.20	82.33	6.918		
6,600.00	5,690.11	6,508.02	5,356.57	62.53	71.80	31.41	1,313.33	3,083.07	578.48	494.30	84.19	6.871		
6,700.00	5,770.75	6,608.42	5,432.39	63.75	73.21	31.52	1,338.85	3,142.39	587.43	501.51	85.92	6.837		
6,800.00	5,851.39	6,708.83	5,508.20	64.98	74.61	31.62	1,364.37	3,201.72	596.39	508.73	87.66	6.804		
6,900.00	5,932.03	6,790.76	5,584.02	66.21	75.76	31.72	1,389.89	3,261.04	605.34	516.10	89.24	6.783		
7,000.00	6,012.67	6,890.35	5,659.84	67.44	77.16	31.81	1,415.41	3,320.37	614.30	523.32	90.98	6.752		
7,100.00	6,093.31	6,989.95	5,735.65	68.66	78.55	31.91	1,440.93	3,379.69	623.25	530.54	92.71	6.723		
7,200.00	6,173.95	7,089.54	5,811.47	69.89	79.95	32.00	1,466.45	3,439.02	632.21	537.77	94.45	6.694		
7,300.00	6,254.59	7,189.13	5,887.29	71.12	81.34	32.08	1,491.96	3,498.34	641.17	544.99	96.18	6.666		
7,400.00	6,335.23	7,288.73	5,963.10	72.35	82.74	32.17	1,517.48	3,557.67	650.14	552.21	97.92	6.639		
7,500.00	6,415.87	7,388.32	6,038.92	73.58	84.13	32.25	1,543.00	3,616.99	659.10	559.44	99.66	6.613		
7,600.00	6,496.51	7,487.91	6,114.73	74.81	85.53	32.33	1,568.52	3,676.32	668.06	566.66	101.40	6.588		
7,700.00	6,577.15	7,587.51	6,190.55	76.04	86.93	32.41	1,594.04	3,735.64	677.03	573.89	103.14	6.564		
7,800.00	6,657.79	7,687.10	6,266.37	77.27	88.32	32.49	1,619.56	3,794.97	686.00	581.11	104.89	6.540		
7,900.00	6,738.43	7,786.69	6,342.18	78.50	89.72	32.56	1,645.08	3,854.29	694.97	588.33	106.63	6.517		
8,000.00	6,819.07	7,886.28	6,418.00	79.73	91.11	32.64	1,670.60	3,913.62	703.94	595.56	108.38	6.495		
8,100.00	6,899.71	7,985.88	6,493.82	80.96	92.51	32.71	1,696.12	3,972.94	712.91	602.78	110.13	6.474		
8,200.00	6,980.35	8,085.47	6,569.63	82.18	93.91	32.78	1,721.64	4,032.26	721.88	610.01	111.87	6.453		
8,240.58	7,013.07	8,125.89	6,600.40	82.68	94.47	32.81	1,731.99	4,056.34	725.52	612.94	112.58	6.444		
8,250.00	7,020.68	8,135.27	6,607.54	82.80	94.60	31.70	1,734.40	4,061.93	726.35	613.62	112.74	6.443		
8,300.00	7,061.63	8,185.03	6,645.42	83.40	95.30	25.15	1,747.15	4,091.57	730.35	617.17	113.19	6.453		
8,350.00	7,103.23	8,234.44	6,683.03	83.97	95.99	17.62	1,759.81	4,121.00	733.67	620.65	113.02	6.492		
8,400.00	7,145.18	8,283.12	6,720.09	84.51	96.68	9.37	1,772.28	4,150.00	736.40	624.17	112.23	6.561		
8,450.00	7,187.16	8,330.71	6,756.32	85.01	97.34	0.77	1,784.47	4,178.34	738.70	627.86	110.84	6.665		
8,500.00	7,228.84	8,376.83	6,791.43	85.46	97.99	-7.80	1,796.29	4,205.82	740.81	631.94	108.87	6.804		
8,550.00	7,269.91	8,421.15	6,825.17	85.86	98.61	-16.00	1,807.65	4,232.22	743.01	636.63	106.39	6.984		
8,600.00	7,310.05	8,463.32	6,857.27	86.20	99.20	-23.61	1,818.45	4,257.34	745.65	642.18	103.47	7.206		
8,650.00	7,348.97	8,503.02	6,887.50	86.50	99.76	-30.47	1,828.63	4,280.99	749.08	648.82	100.25	7.472		
8,700.00	7,386.36	8,539.95	6,915.61	86.74	100.28	-36.51	1,838.09	4,302.99	753.68	656.77	96.91	7.777		
8,750.00	7,421.94	8,573.83	6,941.40	86.93	100.75	-41.69	1,846.77	4,323.17	759.82	666.15	93.66	8.112		
8,800.00	7,455.44	8,604.40	6,964.67	87.07	101.18	-46.00	1,854.60	4,341.38	767.83	677.07	90.76	8.460		
8,850.00	7,486.61	8,631.43	6,985.25	87.16	101.56	-49.44	1,861.53	4,357.48	778.01	689.53	88.48	8.793		
8,900.00	7,515.20	8,654.71	7,002.97	87.20	101.89	-51.99	1,867.50	4,371.34	790.56	703.53	87.03	9.083		
8,950.00	7,541.00	8,674.06	7,017.70	87.21	102.16	-53.65	1,872.45	4,382.87	805.61	719.02	86.59	9.304		
9,000.00	7,563.81	8,689.34	7,029.34	87.17	102.37	-54.42	1,876.37	4,391.97	823.20	736.00	87.20	9.440		
9,050.00	7,583.47	8,700.44	7,037.78	87.10	102.53	-54.30	1,879.21	4,398.58	843.26	754.45	88.81	9.495		
9,100.00	7,599.81	8,707.26	7,042.98	87.00	102.62	-53.29	1,880.96	4,402.65	865.63	774.39	91.25	9.487		
9,150.00	7,612.72	8,709.76	7,044.88	86.88	102.66	-51.43	1,881.60	4,404.13	890.08	795.77	94.32	9.437		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1K-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,622.09	8,707.91	7,043.47	86.72	102.63	-48.76	1,881.13	4,403.03	916.30	818.51	97.79	9.370		
9,250.00	7,627.87	8,701.73	7,038.77	86.55	102.55	-45.36	1,879.54	4,399.35	943.92	842.46	101.47	9.303		
9,303.98	7,630.00	8,690.26	7,030.03	86.35	102.39	-41.01	1,876.60	4,392.52	974.85	869.38	105.47	9.243		
9,400.00	7,630.00	9,901.01	7,630.00	85.99	107.97	-90.06	1,213.12	4,859.06	989.68	896.29	93.39	10.598		
9,500.00	7,630.00	10,001.01	7,630.00	85.62	107.67	-90.06	1,113.12	4,858.73	989.68	897.27	92.41	10.710		
9,600.00	7,630.00	10,101.01	7,630.00	85.28	107.38	-90.06	1,013.12	4,858.39	989.68	898.12	91.56	10.809		
9,700.00	7,630.00	10,201.01	7,630.00	84.95	107.10	-90.06	913.12	4,858.05	989.68	898.84	90.84	10.895		
9,800.00	7,630.00	10,301.01	7,630.00	84.64	106.84	-90.06	813.12	4,857.71	989.68	899.43	90.25	10.966		
9,900.00	7,630.00	10,401.01	7,630.00	84.34	106.59	-90.06	713.12	4,857.38	989.67	899.88	89.79	11.022		
10,000.00	7,630.00	10,501.01	7,630.00	84.06	106.35	-90.06	613.12	4,857.04	989.67	900.19	89.48	11.060		
10,100.00	7,630.00	10,601.01	7,630.00	83.80	106.13	-90.06	513.12	4,856.70	989.67	900.37	89.30	11.082		
10,200.00	7,630.00	10,701.01	7,630.00	83.56	105.92	-90.06	413.12	4,856.37	989.67	900.41	89.27	11.087		
10,300.00	7,630.00	10,801.01	7,630.00	83.33	105.72	-90.06	313.12	4,856.03	989.67	900.30	89.37	11.074		
10,400.00	7,630.00	10,901.01	7,630.00	83.12	105.54	-90.06	213.12	4,855.69	989.67	900.06	89.61	11.044		
10,500.00	7,630.00	11,001.01	7,630.00	82.92	105.36	-90.06	113.12	4,855.35	989.67	899.67	89.99	10.997		
10,600.00	7,630.00	11,101.01	7,630.00	82.75	105.21	-90.06	13.13	4,855.02	989.67	899.16	90.51	10.934		
10,700.00	7,630.00	11,201.01	7,630.00	82.59	105.06	-90.06	-86.87	4,854.68	989.67	898.50	91.16	10.856		
10,800.00	7,630.00	11,301.01	7,630.00	82.45	104.93	-90.06	-186.87	4,854.34	989.66	897.72	91.95	10.763		
10,900.00	7,630.00	11,401.01	7,630.00	82.33	104.82	-90.06	-286.87	4,854.01	989.66	896.81	92.86	10.658		
11,000.00	7,630.00	11,501.01	7,630.00	82.22	104.71	-90.06	-386.87	4,853.67	989.66	895.77	93.90	10.540		
11,100.00	7,630.00	11,601.01	7,630.00	82.14	104.63	-90.06	-486.87	4,853.33	989.66	894.61	95.05	10.412		
11,200.00	7,630.00	11,701.01	7,630.00	82.08	104.55	-90.06	-586.87	4,852.99	989.66	893.34	96.32	10.274		
11,300.00	7,630.00	11,801.01	7,630.00	82.04	104.50	-90.06	-686.87	4,852.66	989.66	891.95	97.71	10.129		
11,400.00	7,630.00	11,901.01	7,630.00	82.02	104.45	-90.06	-786.87	4,852.32	989.66	890.46	99.20	9.977		
11,500.00	7,630.00	12,001.01	7,630.00	82.03	104.43	-90.06	-886.87	4,851.98	989.66	888.87	100.79	9.819		
11,600.00	7,630.00	12,101.01	7,630.00	82.06	104.42	-90.06	-986.87	4,851.65	989.66	887.18	102.48	9.657		
11,700.00	7,630.00	12,201.01	7,630.00	82.12	104.42	-90.06	-1,086.87	4,851.31	989.66	885.39	104.26	9.492		
11,800.00	7,630.00	12,301.01	7,630.00	82.21	104.45	-90.06	-1,186.87	4,850.97	989.65	883.52	106.13	9.325		
11,900.00	7,630.00	12,401.01	7,630.00	82.33	104.49	-90.06	-1,286.87	4,850.63	989.65	881.57	108.08	9.156		
12,000.00	7,630.00	12,501.01	7,630.00	82.48	104.55	-90.06	-1,386.87	4,850.30	989.65	879.54	110.12	8.987		
12,100.00	7,630.00	12,601.01	7,630.00	82.66	104.63	-90.06	-1,486.87	4,849.96	989.65	877.43	112.22	8.819		
12,200.00	7,630.00	12,701.01	7,630.00	82.88	104.73	-90.06	-1,586.87	4,849.62	989.65	875.25	114.40	8.651		
12,300.00	7,630.00	12,801.01	7,630.00	83.14	104.85	-90.06	-1,686.87	4,849.29	989.65	873.01	116.64	8.485		
12,400.00	7,630.00	12,901.01	7,630.00	83.44	104.99	-90.06	-1,786.86	4,848.95	989.65	870.70	118.95	8.320		
12,500.00	7,630.00	13,001.01	7,630.00	83.79	105.16	-90.06	-1,886.86	4,848.61	989.65	868.33	121.31	8.158		
12,600.00	7,630.00	13,101.01	7,630.00	84.18	105.35	-90.06	-1,986.86	4,848.27	989.65	865.91	123.73	7.998		
12,700.00	7,630.00	13,201.01	7,630.00	84.61	105.56	-90.06	-2,086.86	4,847.94	989.64	863.44	126.21	7.841		
12,800.00	7,630.00	13,301.01	7,630.00	85.10	105.80	-90.06	-2,186.86	4,847.60	989.64	860.91	128.73	7.688		
12,900.00	7,630.00	13,401.01	7,630.00	85.64	106.06	-90.06	-2,286.86	4,847.26	989.64	858.34	131.30	7.537		
13,000.00	7,630.00	13,501.01	7,630.00	86.22	106.36	-90.06	-2,386.86	4,846.93	989.64	855.73	133.91	7.390		
13,100.00	7,630.00	13,601.01	7,630.00	86.86	106.68	-90.06	-2,486.86	4,846.59	989.64	853.07	136.57	7.247		
13,200.00	7,630.00	13,701.01	7,630.00	87.56	107.04	-90.06	-2,586.86	4,846.25	989.64	850.38	139.26	7.106		
13,300.00	7,630.00	13,801.01	7,630.00	88.30	107.42	-90.06	-2,686.86	4,845.91	989.64	847.65	141.99	6.970		
13,400.00	7,630.00	13,901.01	7,630.00	89.10	107.84	-90.06	-2,786.86	4,845.58	989.64	844.88	144.76	6.837		
13,500.00	7,630.00	14,001.01	7,630.00	89.94	108.29	-90.06	-2,886.86	4,845.24	989.64	842.08	147.55	6.707		
13,600.00	7,630.00	14,101.01	7,630.00	90.84	108.77	-90.06	-2,986.86	4,844.90	989.63	839.25	150.38	6.581		
13,700.00	7,630.00	14,201.01	7,630.00	91.78	109.29	-90.06	-3,086.86	4,844.57	989.63	836.39	153.24	6.458		
13,800.00	7,630.00	14,301.01	7,630.00	92.77	109.85	-90.06	-3,186.86	4,844.23	989.63	833.50	156.13	6.339		
13,900.00	7,630.00	14,401.01	7,630.00	93.79	110.44	-90.06	-3,286.86	4,843.89	989.63	830.59	159.04	6.223		
14,000.00	7,630.00	14,501.01	7,630.00	94.86	111.07	-90.06	-3,386.86	4,843.55	989.63	827.65	161.98	6.110		
14,100.00	7,630.00	14,601.01	7,630.00	95.97	111.73	-90.06	-3,486.86	4,843.22	989.63	824.69	164.94	6.000		
14,200.00	7,630.00	14,701.01	7,630.00	97.11	112.43	-90.06	-3,586.85	4,842.88	989.63	821.71	167.92	5.893		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1K-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,630.00	14,801.01	7,630.00	98.28	113.17	-90.06	-3,686.85	4,842.54	989.63	818.70	170.92	5.790		
14,400.00	7,630.00	14,901.01	7,630.00	99.48	113.95	-90.06	-3,786.85	4,842.21	989.63	815.68	173.95	5.689		
14,500.00	7,630.00	15,001.01	7,630.00	100.72	114.76	-90.06	-3,886.85	4,841.87	989.62	812.63	176.99	5.591		
14,600.00	7,630.00	15,101.01	7,630.00	101.97	115.61	-90.06	-3,986.85	4,841.53	989.62	809.57	180.05	5.496		
14,700.00	7,630.00	15,201.01	7,630.00	103.26	116.49	-90.06	-4,086.85	4,841.19	989.62	806.49	183.13	5.404		
14,800.00	7,630.00	15,301.01	7,630.00	104.56	117.41	-90.06	-4,186.85	4,840.86	989.62	803.40	186.22	5.314		
14,900.00	7,630.00	15,401.01	7,630.00	105.89	118.36	-90.06	-4,286.85	4,840.52	989.62	800.29	189.33	5.227		
15,000.00	7,630.00	15,501.01	7,630.00	107.24	119.35	-90.06	-4,386.85	4,840.18	989.62	797.16	192.46	5.142		
15,100.00	7,630.00	15,601.01	7,630.00	108.60	120.36	-90.06	-4,486.85	4,839.85	989.62	794.02	195.59	5.060		
15,200.00	7,630.00	15,701.01	7,630.00	109.98	121.41	-90.06	-4,586.85	4,839.51	989.62	790.87	198.74	4.979		
15,300.00	7,630.00	15,801.01	7,630.00	111.38	122.49	-90.06	-4,686.85	4,839.17	989.62	787.71	201.91	4.901		
15,400.00	7,630.00	15,901.01	7,630.00	112.79	123.59	-90.06	-4,786.85	4,838.83	989.62	784.53	205.08	4.825		
15,500.00	7,630.00	16,001.01	7,630.00	114.22	124.72	-90.06	-4,886.85	4,838.50	989.61	781.34	208.27	4.752		
15,600.00	7,630.00	16,101.01	7,630.00	115.66	125.88	-90.06	-4,986.85	4,838.16	989.61	778.14	211.47	4.680		
15,700.00	7,630.00	16,201.01	7,630.00	117.11	127.06	-90.06	-5,086.85	4,837.82	989.61	774.93	214.68	4.610		
15,800.00	7,630.00	16,301.01	7,630.00	118.57	128.27	-90.06	-5,186.85	4,837.49	989.61	771.71	217.90	4.542		
15,900.00	7,630.00	16,401.01	7,630.00	120.05	129.49	-90.06	-5,286.84	4,837.15	989.61	768.48	221.13	4.475		
16,000.00	7,630.00	16,501.01	7,630.00	121.53	130.74	-90.06	-5,386.84	4,836.81	989.61	765.24	224.37	4.411		
16,100.00	7,630.00	16,601.01	7,630.00	123.03	132.01	-90.06	-5,486.84	4,836.47	989.61	762.00	227.61	4.348		
16,200.00	7,630.00	16,701.01	7,630.00	124.53	133.30	-90.06	-5,586.84	4,836.14	989.61	758.74	230.87	4.286		
16,300.00	7,630.00	16,801.01	7,630.00	126.04	134.60	-90.06	-5,686.84	4,835.80	989.61	755.47	234.13	4.227		
16,400.00	7,630.00	16,901.01	7,630.00	127.56	135.93	-90.06	-5,786.84	4,835.46	989.60	752.20	237.40	4.168		
16,500.00	7,630.00	17,001.01	7,630.00	129.09	137.27	-90.06	-5,886.84	4,835.13	989.60	748.92	240.68	4.112		
16,600.00	7,630.00	17,101.01	7,630.00	130.62	138.62	-90.06	-5,986.84	4,834.79	989.60	745.64	243.97	4.056		
16,700.00	7,630.00	17,201.01	7,630.00	132.16	139.99	-90.06	-6,086.84	4,834.45	989.60	742.34	247.26	4.002		
16,800.00	7,630.00	17,301.01	7,630.00	133.71	141.37	-90.06	-6,186.84	4,834.11	989.60	739.04	250.56	3.950		
16,900.00	7,630.00	17,401.01	7,630.00	135.27	142.77	-90.06	-6,286.84	4,833.78	989.60	735.74	253.86	3.898		
17,000.00	7,630.00	17,501.01	7,630.00	136.83	144.18	-90.06	-6,386.84	4,833.44	989.60	732.42	257.18	3.848		
17,100.00	7,630.00	17,601.01	7,630.00	138.39	145.60	-90.06	-6,486.84	4,833.10	989.60	729.10	260.49	3.799		
17,200.00	7,630.00	17,701.01	7,630.00	139.97	147.03	-90.06	-6,586.84	4,832.77	989.60	725.78	263.82	3.751		
17,300.00	7,630.00	17,801.01	7,630.00	141.54	148.47	-90.06	-6,686.84	4,832.43	989.59	722.45	267.14	3.704		
17,400.00	7,630.00	17,901.01	7,630.00	143.12	149.92	-90.06	-6,786.84	4,832.09	989.59	719.12	270.48	3.659		
17,500.00	7,630.00	18,001.01	7,630.00	144.71	151.38	-90.06	-6,886.84	4,831.75	989.59	715.78	273.82	3.614		
17,600.00	7,630.00	18,101.01	7,630.00	146.30	152.86	-90.06	-6,986.84	4,831.42	989.59	712.43	277.16	3.570		
17,700.00	7,630.00	18,201.01	7,630.00	147.90	154.34	-90.06	-7,086.83	4,831.08	989.59	709.08	280.51	3.528		
17,800.00	7,630.00	18,301.01	7,630.00	149.50	155.82	-90.06	-7,186.83	4,830.74	989.59	705.73	283.86	3.486		
17,900.00	7,630.00	18,401.01	7,630.00	151.10	157.32	-90.06	-7,286.83	4,830.41	989.59	702.37	287.22	3.445		
18,000.00	7,630.00	18,501.01	7,630.00	152.71	158.83	-90.06	-7,386.83	4,830.07	989.59	699.01	290.58	3.406		
18,100.00	7,630.00	18,601.01	7,630.00	154.32	160.34	-90.06	-7,486.83	4,829.73	989.59	695.64	293.95	3.367		
18,200.00	7,630.00	18,701.01	7,630.00	155.94	161.86	-90.06	-7,586.83	4,829.39	989.58	692.27	297.31	3.328		
18,300.00	7,630.00	18,801.01	7,630.00	157.56	163.38	-90.06	-7,686.83	4,829.06	989.58	688.90	300.69	3.291		
18,400.00	7,630.00	18,901.01	7,630.00	159.18	164.91	-90.06	-7,786.83	4,828.72	989.58	685.52	304.06	3.255		
18,500.00	7,630.00	19,001.01	7,630.00	160.80	166.45	-90.06	-7,886.83	4,828.38	989.58	682.14	307.45	3.219		
18,600.00	7,630.00	19,101.01	7,630.00	162.43	167.99	-90.06	-7,986.83	4,828.05	989.58	678.75	310.83	3.184		
18,700.00	7,630.00	19,201.01	7,630.00	164.06	169.54	-90.06	-8,086.83	4,827.71	989.58	675.36	314.22	3.149		
18,800.00	7,630.00	19,301.01	7,630.00	165.70	171.10	-90.06	-8,186.83	4,827.37	989.58	671.97	317.61	3.116		
18,900.00	7,630.00	19,401.01	7,630.00	167.33	172.66	-90.06	-8,286.83	4,827.03	989.58	668.58	321.00	3.083		
19,000.00	7,630.00	19,501.01	7,630.00	168.97	174.22	-90.06	-8,386.83	4,826.70	989.58	665.18	324.40	3.051		
19,019.40	7,630.00	19,520.41	7,630.00	169.29	174.53	-90.06	-8,406.23	4,826.63	989.58	664.52	325.06	3.044		
19,021.79	7,630.00	19,518.56	7,630.00	169.33	174.50	-90.06	-8,404.38	4,826.64	989.58	664.11	325.48	3.040 SF		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1L-22H-H168 - OWB - PROPOSAL 1												Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	1.00	-1.00	0.00	0.00	90.00	0.00	40.04	40.04				
100.00	100.00	101.00	99.00	0.13	0.14	90.00	0.00	40.04	40.04	39.77	0.27	146.970	
200.00	200.00	201.00	199.00	0.49	0.50	90.00	0.00	40.04	40.04	39.05	0.99	40.470	
300.00	300.00	299.00	299.00	0.85	0.85	90.00	0.00	40.04	40.04	38.34	1.70	23.565 CC, ES	
400.00	400.00	397.69	397.68	1.21	1.20	89.15	0.62	41.59	41.61	39.20	2.41	17.275	
500.00	500.00	496.14	495.99	1.57	1.55	86.91	2.50	46.27	46.44	43.32	3.12	14.900	
600.00	600.00	594.13	593.62	1.93	1.91	84.07	5.62	54.04	54.60	50.78	3.82	14.284	
700.00	700.00	691.44	690.22	2.29	2.28	81.28	9.94	64.82	66.17	61.64	4.52	14.625	
800.00	799.98	788.11	785.75	2.64	2.67	17.38	15.44	78.54	79.49	74.28	5.21	15.253	
900.00	899.84	884.34	880.30	2.99	3.09	16.09	22.11	95.16	92.85	86.96	5.89	15.769	
1,000.00	999.45	980.16	973.79	3.35	3.54	15.33	29.92	114.63	106.18	99.62	6.56	16.176	
1,100.00	1,098.70	1,075.56	1,066.12	3.73	4.02	14.92	38.84	136.88	119.46	112.22	7.24	16.499	
1,200.00	1,197.47	1,170.55	1,157.21	4.11	4.54	14.74	48.86	161.86	132.65	124.73	7.92	16.758	
1,300.00	1,295.62	1,265.15	1,246.99	4.53	5.10	14.74	59.95	189.51	145.74	137.14	8.60	16.950	
1,400.00	1,393.06	1,359.35	1,335.37	4.97	5.70	14.87	72.08	219.77	158.71	149.43	9.29	17.092	
1,500.00	1,489.64	1,453.18	1,422.29	5.44	6.35	15.09	85.24	252.56	171.56	161.58	9.98	17.188	
1,600.00	1,585.27	1,546.63	1,507.66	5.95	7.05	15.39	99.39	287.84	184.27	173.58	10.69	17.242	
1,700.00	1,679.82	1,639.72	1,591.42	6.51	7.80	15.75	114.50	325.53	196.83	185.43	11.41	17.255	
1,800.00	1,773.17	1,732.46	1,673.51	7.13	8.61	16.16	130.56	365.57	209.25	197.10	12.15	17.229	
1,900.00	1,865.21	1,824.86	1,753.87	7.79	9.47	16.60	147.54	407.89	221.51	208.60	12.91	17.164	
2,000.00	1,955.84	1,916.93	1,832.44	8.51	10.38	17.09	165.40	452.43	233.61	219.92	13.69	17.062	
2,100.00	2,044.94	2,008.67	1,909.15	9.30	11.35	17.60	184.13	499.12	245.54	231.03	14.51	16.924	
2,200.00	2,132.39	2,100.10	1,983.96	10.15	12.38	18.14	203.69	547.90	257.30	241.93	15.36	16.749	
2,300.00	2,218.11	2,191.23	2,056.82	11.07	13.47	18.69	224.07	598.70	268.88	252.62	16.26	16.536	
2,400.00	2,301.97	2,282.07	2,127.68	12.06	14.61	19.27	245.22	651.45	280.28	263.08	17.21	16.289	
2,500.00	2,383.88	2,377.04	2,200.07	13.11	15.86	19.91	268.11	708.50	291.13	272.80	18.32	15.887	
2,512.74	2,394.17	2,389.71	2,209.70	13.25	16.03	20.01	271.17	716.15	292.33	273.84	18.49	15.813	
2,600.00	2,464.54	2,476.52	2,275.65	14.22	17.19	20.73	292.18	768.53	300.40	280.76	19.63	15.302	
2,700.00	2,545.18	2,576.00	2,351.23	15.35	18.54	21.50	316.26	828.57	309.69	288.71	20.98	14.759	
2,800.00	2,625.82	2,675.48	2,426.82	16.50	19.89	22.24	340.34	888.60	319.04	296.67	22.38	14.257	
2,900.00	2,706.45	2,774.96	2,502.40	17.65	21.25	22.92	364.42	948.63	328.44	304.63	23.81	13.795	
3,000.00	2,787.09	2,874.44	2,577.99	18.82	22.61	23.57	388.49	1,008.66	337.89	312.61	25.28	13.368	
3,100.00	2,867.73	2,973.93	2,653.57	19.99	23.98	24.19	412.57	1,068.70	347.37	320.60	26.77	12.975	
3,200.00	2,948.37	3,073.41	2,729.15	21.17	25.36	24.77	436.65	1,128.73	356.89	328.59	28.30	12.612	
3,300.00	3,029.01	3,172.89	2,804.74	22.36	26.74	25.32	460.73	1,188.76	366.45	336.60	29.85	12.276	
3,400.00	3,109.65	3,272.37	2,880.32	23.55	28.12	25.85	484.81	1,248.80	376.04	344.61	31.43	11.965	
3,500.00	3,190.29	3,371.85	2,955.90	24.74	29.50	26.34	508.89	1,308.83	385.66	352.63	33.03	11.677	
3,600.00	3,270.93	3,471.34	3,031.49	25.94	30.89	26.82	532.96	1,368.86	395.30	360.66	34.64	11.410	
3,700.00	3,351.57	3,570.82	3,107.07	27.14	32.28	27.27	557.04	1,428.90	404.97	368.69	36.28	11.162	
3,800.00	3,432.21	3,670.30	3,182.65	28.35	33.67	27.70	581.12	1,488.93	414.67	376.73	37.94	10.930	
3,900.00	3,512.85	3,769.78	3,258.24	29.56	35.06	28.11	605.20	1,548.96	424.39	384.78	39.61	10.715	
4,000.00	3,593.49	3,869.26	3,333.82	30.76	36.45	28.50	629.28	1,609.00	434.13	392.83	41.29	10.513	
4,100.00	3,674.13	3,968.74	3,409.41	31.97	37.85	28.88	653.35	1,669.03	443.88	400.89	42.99	10.325	
4,200.00	3,754.77	4,068.23	3,484.99	33.19	39.24	29.23	677.43	1,729.06	453.66	408.95	44.70	10.148	
4,300.00	3,835.41	4,167.71	3,560.57	34.40	40.64	29.58	701.51	1,789.10	463.45	417.02	46.43	9.982	
4,400.00	3,916.05	4,267.19	3,636.16	35.62	42.04	29.91	725.59	1,849.13	473.26	425.09	48.16	9.826	
4,500.00	3,996.69	4,366.67	3,711.74	36.83	43.43	30.22	749.67	1,909.16	483.08	433.17	49.91	9.679	
4,600.00	4,077.33	4,466.15	3,787.32	38.05	44.83	30.53	773.74	1,969.20	492.92	441.25	51.66	9.541	
4,700.00	4,157.96	4,565.64	3,862.91	39.27	46.23	30.82	797.82	2,029.23	502.77	449.34	53.43	9.411	
4,800.00	4,238.60	4,665.12	3,938.49	40.49	47.63	31.10	821.90	2,089.26	512.63	457.43	55.20	9.287	
4,900.00	4,319.24	4,764.60	4,014.07	41.71	49.03	31.37	845.98	2,149.30	522.50	465.53	56.98	9.170	
5,000.00	4,399.88	4,864.08	4,089.66	42.93	50.43	31.63	870.06	2,209.33	532.39	473.62	58.76	9.060	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1L-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,480.52	4,963.56	4,165.24	44.15	51.83	31.88	894.13	2,269.36	542.28	481.73	60.56	8.955		
5,200.00	4,561.16	5,063.04	4,240.83	45.37	53.23	32.12	918.21	2,329.40	552.19	489.83	62.36	8.855		
5,300.00	4,641.80	5,162.53	4,316.41	46.59	54.64	32.35	942.29	2,389.43	562.10	497.94	64.16	8.760		
5,400.00	4,722.44	5,262.01	4,391.99	47.82	56.04	32.58	966.37	2,449.46	572.03	506.05	65.98	8.670		
5,500.00	4,803.08	5,361.49	4,467.58	49.04	57.44	32.79	990.45	2,509.50	581.96	514.17	67.79	8.584		
5,600.00	4,883.72	5,460.97	4,543.16	50.27	58.84	33.00	1,014.52	2,569.53	591.90	522.28	69.61	8.502		
5,700.00	4,964.36	5,560.45	4,618.74	51.49	60.25	33.21	1,038.60	2,629.56	601.85	530.40	71.44	8.424		
5,800.00	5,045.00	5,659.94	4,694.33	52.71	61.65	33.40	1,062.68	2,689.60	611.80	538.53	73.27	8.349		
5,900.00	5,125.64	5,759.42	4,769.91	53.94	63.05	33.59	1,086.76	2,749.63	621.76	546.65	75.11	8.278		
6,000.00	5,206.28	5,858.90	4,845.49	55.17	64.46	33.78	1,110.84	2,809.66	631.73	554.78	76.95	8.210		
6,100.00	5,286.92	5,958.38	4,921.08	56.39	65.86	33.95	1,134.92	2,869.70	641.70	562.91	78.79	8.144		
6,200.00	5,367.56	6,057.86	4,996.66	57.62	67.27	34.13	1,158.99	2,929.73	651.68	571.04	80.64	8.081		
6,300.00	5,448.20	6,157.34	5,072.25	58.84	68.67	34.29	1,183.07	2,989.76	661.67	579.18	82.49	8.021		
6,400.00	5,528.84	6,256.83	5,147.83	60.07	70.08	34.46	1,207.15	3,049.80	671.66	587.31	84.35	7.963		
6,500.00	5,609.47	6,356.31	5,223.41	61.30	71.48	34.61	1,231.23	3,109.83	681.66	595.45	86.20	7.907		
6,600.00	5,690.11	6,455.79	5,299.00	62.53	72.89	34.77	1,255.31	3,169.86	691.66	603.59	88.07	7.854		
6,700.00	5,770.75	6,555.27	5,374.58	63.75	74.29	34.92	1,279.38	3,229.89	701.67	611.74	89.93	7.802		
6,800.00	5,851.39	6,654.75	5,450.16	64.98	75.70	35.06	1,303.46	3,289.93	711.68	619.88	91.80	7.753		
6,900.00	5,932.03	6,754.23	5,525.75	66.21	77.10	35.20	1,327.54	3,349.96	721.69	628.03	93.66	7.705		
7,000.00	6,012.67	6,853.72	5,601.33	67.44	78.51	35.34	1,351.62	3,409.99	731.71	636.18	95.54	7.659		
7,100.00	6,093.31	6,953.20	5,676.91	68.66	79.91	35.47	1,375.70	3,470.03	741.74	644.33	97.41	7.615		
7,200.00	6,173.95	7,052.68	5,752.50	69.89	81.32	35.60	1,399.77	3,530.06	751.76	652.48	99.28	7.572		
7,300.00	6,254.59	7,152.16	5,828.08	71.12	82.72	35.73	1,423.85	3,590.09	761.79	660.63	101.16	7.530		
7,400.00	6,335.23	7,251.64	5,903.66	72.35	84.13	35.85	1,447.93	3,650.13	771.83	668.79	103.04	7.490		
7,500.00	6,415.87	7,351.13	5,979.25	73.58	85.54	35.97	1,472.01	3,710.16	781.87	676.94	104.92	7.452		
7,600.00	6,496.51	7,450.61	6,054.83	74.81	86.94	36.09	1,496.09	3,770.19	791.91	685.10	106.81	7.414		
7,700.00	6,577.15	7,550.09	6,130.42	76.04	88.35	36.20	1,520.16	3,830.23	801.95	693.26	108.69	7.378		
7,800.00	6,657.79	7,649.57	6,206.00	77.27	89.76	36.31	1,544.24	3,890.26	812.00	701.42	110.58	7.343		
7,900.00	6,738.43	7,749.05	6,281.58	78.50	91.16	36.42	1,568.32	3,950.29	822.05	709.58	112.47	7.309		
8,000.00	6,819.07	7,848.53	6,357.17	79.73	92.57	36.53	1,592.40	4,010.33	832.10	717.74	114.36	7.276		
8,100.00	6,899.71	7,948.02	6,432.75	80.96	93.98	36.63	1,616.48	4,070.36	842.16	725.91	116.25	7.244		
8,200.00	6,980.35	8,047.50	6,508.33	82.18	95.38	36.73	1,640.55	4,130.39	852.22	734.07	118.15	7.213		
8,240.58	7,013.07	8,087.87	6,539.01	82.68	95.95	36.77	1,650.33	4,154.76	856.30	737.38	118.92	7.201		
8,250.00	7,020.68	8,097.24	6,546.13	82.80	96.09	35.67	1,652.59	4,160.41	857.23	738.15	119.09	7.198		
8,300.00	7,061.63	8,146.99	6,583.92	83.40	96.79	29.21	1,664.63	4,190.43	861.57	741.90	119.67	7.200		
8,350.00	7,103.23	8,203.55	6,621.50	83.97	97.59	21.78	1,676.61	4,220.28	864.92	745.15	119.77	7.221		
8,400.00	7,145.18	8,245.25	6,658.58	84.51	98.18	13.65	1,688.42	4,249.73	867.34	748.13	119.21	7.276		
8,450.00	7,187.16	8,306.99	6,694.87	85.01	99.05	5.18	1,699.98	4,278.55	868.96	750.69	118.27	7.347		
8,500.00	7,228.84	8,339.37	6,730.09	85.46	99.51	-3.27	1,711.20	4,306.53	869.98	753.42	116.56	7.464		
8,550.00	7,269.91	8,383.98	6,763.99	85.86	100.14	-11.37	1,722.00	4,333.45	870.65	756.19	114.45	7.607		
8,600.00	7,310.05	8,426.50	6,796.29	86.20	100.74	-18.91	1,732.29	4,359.11	871.24	759.38	111.87	7.788		
8,650.00	7,348.97	8,466.61	6,826.76	86.50	101.31	-25.76	1,741.99	4,383.31	872.10	763.23	108.87	8.010		
8,700.00	7,386.36	8,504.00	6,855.17	86.74	101.84	-31.85	1,751.04	4,405.87	873.55	768.00	105.55	8.276		
8,750.00	7,421.94	8,538.38	6,881.29	86.93	102.32	-37.16	1,759.36	4,426.62	875.96	773.91	102.05	8.584		
8,800.00	7,455.44	8,569.50	6,904.93	87.07	102.76	-41.68	1,766.90	4,445.40	879.67	781.14	98.53	8.928		
8,850.00	7,486.61	8,602.89	6,925.91	87.16	103.24	-45.41	1,773.58	4,462.06	884.98	789.77	95.21	9.295		
8,900.00	7,515.20	8,621.01	6,944.07	87.20	103.49	-48.35	1,779.36	4,476.48	892.16	799.95	92.21	9.675		
8,950.00	7,541.00	8,641.02	6,959.27	87.21	103.78	-50.51	1,784.21	4,488.56	901.42	811.57	89.85	10.033		
9,000.00	7,563.81	8,656.97	6,971.40	87.17	104.00	-51.87	1,788.07	4,498.19	912.88	824.62	88.26	10.343		
9,050.00	7,583.47	8,668.77	6,980.36	87.10	104.17	-52.45	1,790.92	4,505.30	926.59	839.03	87.56	10.582		
9,100.00	7,599.81	8,676.30	6,986.08	87.00	104.27	-52.25	1,792.75	4,509.85	942.51	854.72	87.79	10.736		
9,150.00	7,612.72	8,679.51	6,988.52	86.88	104.32	-51.28	1,793.52	4,511.79	960.51	871.63	88.87	10.807		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1L-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,622.09	8,678.39	6,987.67	86.72	104.30	-49.58	1,793.25	4,511.11	980.37	889.67	90.70	10.809		
9,250.00	7,627.87	8,672.94	6,983.52	86.55	104.23	-47.20	1,791.93	4,507.82	1,001.84	908.75	93.10	10.761		
9,303.98	7,630.00	8,662.23	6,975.39	86.35	104.08	-43.95	1,789.34	4,501.36	1,026.44	930.33	96.11	10.680		
9,400.00	7,630.00	8,638.80	6,957.59	85.99	103.74	-42.53	1,783.67	4,487.22	1,074.36	972.22	102.14	10.519		
9,500.00	7,630.00	8,614.39	6,939.04	85.62	103.40	-41.07	1,777.76	4,472.49	1,130.27	1,021.51	108.76	10.392		
9,600.00	7,630.00	8,589.99	6,920.50	85.28	103.05	-39.62	1,771.86	4,457.76	1,191.46	1,076.22	115.24	10.339		
9,700.00	7,630.00	8,565.58	6,901.96	84.95	102.71	-38.18	1,765.95	4,443.03	1,257.16	1,135.87	121.29	10.365		
9,800.00	7,630.00	8,541.17	6,883.42	84.64	102.36	-36.77	1,760.04	4,428.31	1,326.70	1,199.91	126.79	10.464		
9,900.00	7,630.00	10,773.30	7,870.00	84.34	114.23	-100.20	711.96	5,207.34	1,361.15	1,278.56	82.59	16.482		
10,000.00	7,630.00	10,873.30	7,870.00	84.06	114.01	-100.20	611.96	5,207.01	1,361.15	1,279.04	82.10	16.579		
10,100.00	7,630.00	10,973.30	7,870.00	83.80	113.80	-100.20	511.96	5,206.67	1,361.15	1,279.38	81.77	16.647		
10,200.00	7,630.00	11,073.30	7,870.00	83.56	113.60	-100.20	411.96	5,206.34	1,361.15	1,279.57	81.58	16.685		
10,300.00	7,630.00	11,173.30	7,870.00	83.33	113.41	-100.20	311.97	5,206.00	1,361.15	1,279.61	81.54	16.693		
10,400.00	7,630.00	11,273.30	7,870.00	83.12	113.24	-100.20	211.97	5,205.67	1,361.15	1,279.50	81.65	16.671		
10,500.00	7,630.00	11,373.30	7,870.00	82.92	113.08	-100.20	111.97	5,205.33	1,361.15	1,279.24	81.91	16.618		
10,600.00	7,630.00	11,473.30	7,870.00	82.75	112.93	-100.20	11.97	5,204.99	1,361.15	1,278.84	82.31	16.536		
10,700.00	7,630.00	11,573.30	7,870.00	82.59	112.79	-100.20	-88.03	5,204.66	1,361.15	1,278.29	82.87	16.426		
10,800.00	7,630.00	11,673.30	7,870.00	82.45	112.67	-100.20	-188.03	5,204.32	1,361.15	1,277.59	83.56	16.289		
10,900.00	7,630.00	11,773.30	7,870.00	82.33	112.56	-100.20	-288.03	5,203.99	1,361.15	1,276.76	84.39	16.129		
11,000.00	7,630.00	11,873.30	7,870.00	82.22	112.46	-100.20	-388.03	5,203.65	1,361.15	1,275.79	85.36	15.946		
11,100.00	7,630.00	11,973.30	7,870.00	82.14	112.38	-100.20	-488.03	5,203.32	1,361.15	1,274.70	86.46	15.744		
11,200.00	7,630.00	12,073.30	7,870.00	82.08	112.30	-100.20	-588.03	5,202.98	1,361.15	1,273.47	87.68	15.524		
11,300.00	7,630.00	12,173.30	7,870.00	82.04	112.25	-100.20	-688.03	5,202.65	1,361.15	1,272.13	89.02	15.290		
11,400.00	7,630.00	12,273.30	7,870.00	82.02	112.21	-100.20	-788.03	5,202.31	1,361.16	1,270.67	90.48	15.044		
11,500.00	7,630.00	12,373.30	7,870.00	82.03	112.18	-100.20	-888.03	5,201.98	1,361.16	1,269.11	92.05	14.788		
11,600.00	7,630.00	12,473.30	7,870.00	82.06	112.16	-100.20	-988.03	5,201.64	1,361.16	1,267.44	93.72	14.524		
11,700.00	7,630.00	12,573.30	7,870.00	82.12	112.16	-100.20	-1,088.03	5,201.30	1,361.16	1,265.67	95.49	14.255		
11,800.00	7,630.00	12,673.30	7,870.00	82.21	112.18	-100.20	-1,188.03	5,200.97	1,361.16	1,263.81	97.35	13.982		
11,900.00	7,630.00	12,773.30	7,870.00	82.33	112.22	-100.20	-1,288.03	5,200.63	1,361.16	1,261.86	99.30	13.708		
12,000.00	7,630.00	12,873.30	7,870.00	82.48	112.27	-100.20	-1,388.02	5,200.30	1,361.16	1,259.83	101.33	13.433		
12,100.00	7,630.00	12,973.30	7,870.00	82.66	112.34	-100.20	-1,488.02	5,199.96	1,361.16	1,257.72	103.44	13.159		
12,200.00	7,630.00	13,073.30	7,870.00	82.88	112.42	-100.20	-1,588.02	5,199.63	1,361.16	1,255.54	105.62	12.887		
12,300.00	7,630.00	13,173.30	7,870.00	83.14	112.52	-100.20	-1,688.02	5,199.29	1,361.16	1,253.29	107.87	12.618		
12,400.00	7,630.00	13,273.30	7,870.00	83.44	112.65	-100.20	-1,788.02	5,198.96	1,361.16	1,250.97	110.19	12.353		
12,500.00	7,630.00	13,373.30	7,870.00	83.79	112.79	-100.20	-1,888.02	5,198.62	1,361.16	1,248.60	112.56	12.092		
12,600.00	7,630.00	13,473.30	7,870.00	84.18	112.95	-100.20	-1,988.02	5,198.29	1,361.16	1,246.17	115.00	11.837		
12,700.00	7,630.00	13,573.30	7,870.00	84.61	113.13	-100.20	-2,088.02	5,197.95	1,361.16	1,243.68	117.48	11.586		
12,800.00	7,630.00	13,673.30	7,870.00	85.10	113.34	-100.20	-2,188.02	5,197.61	1,361.16	1,241.15	120.02	11.341		
12,900.00	7,630.00	13,773.30	7,870.00	85.64	113.57	-100.20	-2,288.02	5,197.28	1,361.16	1,238.56	122.60	11.103		
13,000.00	7,630.00	13,873.30	7,870.00	86.22	113.82	-100.20	-2,388.02	5,196.94	1,361.16	1,235.94	125.23	10.870		
13,100.00	7,630.00	13,973.30	7,870.00	86.86	114.10	-100.20	-2,488.02	5,196.61	1,361.17	1,233.27	127.89	10.643		
13,200.00	7,630.00	14,073.30	7,870.00	87.56	114.40	-100.20	-2,588.02	5,196.27	1,361.17	1,230.57	130.60	10.422		
13,300.00	7,630.00	14,173.30	7,870.00	88.30	114.73	-100.20	-2,688.02	5,195.94	1,361.17	1,227.82	133.34	10.208		
13,400.00	7,630.00	14,273.30	7,870.00	89.10	115.08	-100.20	-2,788.02	5,195.60	1,361.17	1,225.05	136.12	10.000		
13,500.00	7,630.00	14,373.30	7,870.00	89.94	115.47	-100.20	-2,888.02	5,195.27	1,361.17	1,222.24	138.93	9.798		
13,600.00	7,630.00	14,473.30	7,870.00	90.84	115.88	-100.20	-2,988.02	5,194.93	1,361.17	1,219.40	141.77	9.601		
13,700.00	7,630.00	14,573.30	7,870.00	91.78	116.32	-100.20	-3,088.02	5,194.59	1,361.17	1,216.53	144.64	9.411		
13,800.00	7,630.00	14,673.30	7,870.00	92.77	116.79	-100.20	-3,188.01	5,194.26	1,361.17	1,213.64	147.53	9.226		
13,900.00	7,630.00	14,773.30	7,870.00	93.79	117.30	-100.20	-3,288.01	5,193.92	1,361.17	1,210.72	150.45	9.047		
14,000.00	7,630.00	14,873.30	7,870.00	94.86	117.83	-100.20	-3,388.01	5,193.59	1,361.17	1,207.78	153.39	8.874		
14,100.00	7,630.00	14,973.30	7,870.00	95.97	118.40	-100.20	-3,488.01	5,193.25	1,361.17	1,204.81	156.36	8.705		
14,200.00	7,630.00	15,073.30	7,870.00	97.11	119.00	-100.20	-3,588.01	5,192.92	1,361.17	1,201.82	159.35	8.542		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1L-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,630.00	15,173.30	7,870.00	98.28	119.63	-100.20	-3,688.01	5,192.58	1,361.17	1,198.82	162.35	8.384		
14,400.00	7,630.00	15,273.30	7,870.00	99.48	120.30	-100.20	-3,788.01	5,192.25	1,361.17	1,195.79	165.38	8.231		
14,500.00	7,630.00	15,373.30	7,870.00	100.72	121.00	-100.20	-3,888.01	5,191.91	1,361.17	1,192.75	168.42	8.082		
14,600.00	7,630.00	15,473.30	7,870.00	101.97	121.73	-100.20	-3,988.01	5,191.58	1,361.17	1,189.69	171.48	7.938		
14,700.00	7,630.00	15,573.30	7,870.00	103.26	122.50	-100.20	-4,088.01	5,191.24	1,361.17	1,186.61	174.56	7.798		
14,800.00	7,630.00	15,673.30	7,870.00	104.56	123.30	-100.20	-4,188.01	5,190.90	1,361.17	1,183.52	177.65	7.662		
14,900.00	7,630.00	15,773.30	7,870.00	105.89	124.13	-100.20	-4,288.01	5,190.57	1,361.18	1,180.41	180.76	7.530		
15,000.00	7,630.00	15,873.30	7,870.00	107.24	125.00	-100.20	-4,388.01	5,190.23	1,361.18	1,177.29	183.88	7.402		
15,100.00	7,630.00	15,973.30	7,870.00	108.60	125.89	-100.20	-4,488.01	5,189.90	1,361.18	1,174.16	187.01	7.278		
15,200.00	7,630.00	16,073.30	7,870.00	109.98	126.82	-100.20	-4,588.01	5,189.56	1,361.18	1,171.02	190.16	7.158		
15,300.00	7,630.00	16,173.30	7,870.00	111.38	127.78	-100.20	-4,688.01	5,189.23	1,361.18	1,167.86	193.32	7.041		
15,400.00	7,630.00	16,273.30	7,870.00	112.79	128.77	-100.20	-4,788.01	5,188.89	1,361.18	1,164.69	196.49	6.928		
15,500.00	7,630.00	16,373.30	7,870.00	114.22	129.78	-100.20	-4,888.01	5,188.56	1,361.18	1,161.51	199.67	6.817		
15,600.00	7,630.00	16,473.30	7,870.00	115.66	130.83	-100.20	-4,988.00	5,188.22	1,361.18	1,158.32	202.86	6.710		
15,700.00	7,630.00	16,573.30	7,870.00	117.11	131.90	-100.20	-5,088.00	5,187.88	1,361.18	1,155.12	206.05	6.606		
15,800.00	7,630.00	16,673.30	7,870.00	118.57	132.99	-100.20	-5,188.00	5,187.55	1,361.18	1,151.92	209.26	6.505		
15,900.00	7,630.00	16,773.30	7,870.00	120.05	134.12	-100.20	-5,288.00	5,187.21	1,361.18	1,148.70	212.48	6.406		
16,000.00	7,630.00	16,873.30	7,870.00	121.53	135.26	-100.20	-5,388.00	5,186.88	1,361.18	1,145.47	215.71	6.310		
16,100.00	7,630.00	16,973.30	7,870.00	123.03	136.43	-100.20	-5,488.00	5,186.54	1,361.18	1,142.24	218.94	6.217		
16,200.00	7,630.00	17,073.30	7,870.00	124.53	137.62	-100.20	-5,588.00	5,186.21	1,361.18	1,139.00	222.18	6.126		
16,300.00	7,630.00	17,173.30	7,870.00	126.04	138.83	-100.20	-5,688.00	5,185.87	1,361.18	1,135.75	225.43	6.038		
16,400.00	7,630.00	17,273.30	7,870.00	127.56	140.06	-100.20	-5,788.00	5,185.54	1,361.18	1,132.50	228.69	5.952		
16,500.00	7,630.00	17,373.30	7,870.00	129.09	141.31	-100.20	-5,888.00	5,185.20	1,361.18	1,129.23	231.95	5.868		
16,600.00	7,630.00	17,473.30	7,870.00	130.62	142.58	-100.20	-5,988.00	5,184.87	1,361.18	1,125.96	235.22	5.787		
16,700.00	7,630.00	17,573.30	7,870.00	132.16	143.87	-100.20	-6,088.00	5,184.53	1,361.19	1,122.69	238.50	5.707		
16,800.00	7,630.00	17,673.30	7,870.00	133.71	145.17	-100.20	-6,188.00	5,184.19	1,361.19	1,119.41	241.78	5.630		
16,900.00	7,630.00	17,773.30	7,870.00	135.27	146.49	-100.20	-6,288.00	5,183.86	1,361.19	1,116.12	245.07	5.554		
17,000.00	7,630.00	17,873.30	7,870.00	136.83	147.82	-100.20	-6,388.00	5,183.52	1,361.19	1,112.83	248.36	5.481		
17,100.00	7,630.00	17,973.30	7,870.00	138.39	149.17	-100.20	-6,488.00	5,183.19	1,361.19	1,109.53	251.66	5.409		
17,200.00	7,630.00	18,073.30	7,870.00	139.97	150.53	-100.20	-6,588.00	5,182.85	1,361.19	1,106.23	254.96	5.339		
17,300.00	7,630.00	18,173.30	7,870.00	141.54	151.91	-100.20	-6,688.00	5,182.52	1,361.19	1,102.92	258.27	5.270		
17,400.00	7,630.00	18,273.30	7,870.00	143.12	153.30	-100.20	-6,787.99	5,182.18	1,361.19	1,099.61	261.58	5.204		
17,500.00	7,630.00	18,373.30	7,870.00	144.71	154.70	-100.20	-6,887.99	5,181.85	1,361.19	1,096.29	264.90	5.139		
17,600.00	7,630.00	18,473.30	7,870.00	146.30	156.11	-100.20	-6,987.99	5,181.51	1,361.19	1,092.97	268.22	5.075		
17,700.00	7,630.00	18,573.30	7,870.00	147.90	157.53	-100.20	-7,087.99	5,181.18	1,361.19	1,089.64	271.55	5.013		
17,800.00	7,630.00	18,673.30	7,870.00	149.50	158.96	-100.20	-7,187.99	5,180.84	1,361.19	1,086.31	274.88	4.952		
17,900.00	7,630.00	18,773.30	7,870.00	151.10	160.41	-100.20	-7,287.99	5,180.50	1,361.19	1,082.98	278.21	4.893		
18,000.00	7,630.00	18,873.30	7,870.00	152.71	161.86	-100.20	-7,387.99	5,180.17	1,361.19	1,079.64	281.55	4.835		
18,100.00	7,630.00	18,973.30	7,870.00	154.32	163.32	-100.20	-7,487.99	5,179.83	1,361.19	1,076.30	284.89	4.778		
18,200.00	7,630.00	19,073.30	7,870.00	155.94	164.79	-100.20	-7,587.99	5,179.50	1,361.19	1,072.96	288.23	4.723		
18,300.00	7,630.00	19,173.30	7,870.00	157.56	166.27	-100.20	-7,687.99	5,179.16	1,361.19	1,069.61	291.58	4.668		
18,400.00	7,630.00	19,273.30	7,870.00	159.18	167.75	-100.20	-7,787.99	5,178.83	1,361.19	1,066.26	294.93	4.615		
18,500.00	7,630.00	19,373.30	7,870.00	160.80	169.25	-100.20	-7,887.99	5,178.49	1,361.20	1,062.91	298.29	4.563		
18,600.00	7,630.00	19,473.30	7,870.00	162.43	170.75	-100.20	-7,987.99	5,178.16	1,361.20	1,059.55	301.65	4.513		
18,700.00	7,630.00	19,573.30	7,870.00	164.06	172.26	-100.20	-8,087.99	5,177.82	1,361.20	1,056.19	305.01	4.463		
18,800.00	7,630.00	19,673.30	7,870.00	165.70	173.77	-100.20	-8,187.99	5,177.48	1,361.20	1,052.83	308.37	4.414		
18,900.00	7,630.00	19,773.30	7,870.00	167.33	175.29	-100.20	-8,287.99	5,177.15	1,361.20	1,049.46	311.74	4.366		
19,000.00	7,630.00	19,873.30	7,870.00	168.97	176.82	-100.20	-8,387.99	5,176.81	1,361.20	1,046.09	315.11	4.320		
19,021.79	7,630.00	19,895.09	7,870.00	169.33	177.15	-100.20	-8,409.77	5,176.74	1,361.20	1,045.36	315.84	4.310 SF		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1M-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	1.00	-1.00	0.00	0.00	90.00	0.00	49.84	49.84					
100.00	100.00	101.00	99.00	0.13	0.14	90.00	0.00	49.84	49.84	49.57	0.27	182.942		
200.00	200.00	199.00	199.00	0.49	0.49	90.00	0.00	49.84	49.84	48.86	0.98	50.743 CC, ES		
300.00	300.00	297.38	297.36	0.85	0.84	89.35	0.59	51.39	51.42	49.73	1.69	30.374		
400.00	400.00	395.51	395.36	1.21	1.19	87.59	2.36	56.08	56.25	53.84	2.40	23.402		
500.00	500.00	493.18	492.67	1.57	1.55	85.26	5.30	63.86	64.39	61.28	3.11	20.685		
600.00	600.00	590.18	588.98	1.93	1.93	82.84	9.38	74.66	75.91	72.09	3.82	19.876		
700.00	700.00	686.28	683.95	2.29	2.33	80.64	14.56	88.35	90.80	86.28	4.52	20.093		
800.00	799.98	781.61	777.63	2.64	2.75	17.16	20.81	104.88	107.40	102.19	5.20	20.639		
900.00	899.84	876.43	870.16	2.99	3.20	16.12	28.11	124.19	123.98	118.11	5.88	21.095		
1,000.00	999.45	970.74	961.47	3.35	3.68	15.49	36.44	146.24	140.50	133.95	6.55	21.442		
1,100.00	1,098.70	1,064.55	1,051.49	3.73	4.20	15.15	45.78	170.94	156.92	149.70	7.22	21.741		
1,200.00	1,197.47	1,157.89	1,140.14	4.11	4.76	15.02	56.11	198.25	173.21	165.31	7.90	21.923		
1,300.00	1,295.62	1,250.76	1,227.35	4.53	5.37	15.02	67.38	228.08	189.35	180.76	8.58	22.062		
1,400.00	1,393.06	1,343.16	1,313.07	4.97	6.01	15.14	79.59	260.37	205.32	196.05	9.27	22.149		
1,500.00	1,489.64	1,435.13	1,397.22	5.44	6.71	15.35	92.71	295.06	221.12	211.15	9.97	22.188		
1,600.00	1,585.27	1,526.66	1,479.74	5.95	7.46	15.62	106.70	332.07	236.73	226.05	10.67	22.182		
1,700.00	1,679.82	1,617.76	1,560.60	6.51	8.25	15.95	121.55	371.35	252.14	240.75	11.39	22.132		
1,800.00	1,773.17	1,708.46	1,639.72	7.13	9.09	16.32	137.23	412.82	267.35	255.22	12.13	22.039		
1,900.00	1,865.21	1,798.76	1,717.06	7.79	9.99	16.72	153.71	456.41	282.34	269.45	12.89	21.904		
2,000.00	1,955.84	1,888.68	1,792.57	8.51	10.95	17.16	170.97	502.06	297.12	283.44	13.68	21.725		
2,100.00	2,044.94	1,978.23	1,866.22	9.30	11.96	17.62	188.98	549.71	311.67	297.18	14.49	21.506		
2,200.00	2,132.39	2,067.42	1,937.95	10.15	13.02	18.11	207.72	599.28	325.99	310.64	15.34	21.246		
2,300.00	2,218.11	2,156.26	2,007.73	11.07	14.13	18.61	227.16	650.71	340.07	323.83	16.24	20.946		
2,400.00	2,301.97	2,244.76	2,075.51	12.06	15.30	19.13	247.29	703.93	353.91	336.74	17.17	20.608		
2,500.00	2,383.88	2,332.95	2,141.27	13.11	16.52	19.67	268.06	758.88	367.50	349.34	18.16	20.234		
2,512.74	2,394.17	2,344.16	2,149.50	13.25	16.68	19.74	270.75	766.01	369.22	350.93	18.29	20.184		
2,600.00	2,464.54	2,424.05	2,207.39	14.22	17.83	20.26	290.23	817.51	381.95	362.68	19.27	19.817		
2,700.00	2,545.18	2,522.81	2,278.56	15.35	19.28	20.85	314.44	881.56	397.13	376.53	20.60	19.275		
2,800.00	2,625.82	2,621.58	2,349.74	16.50	20.74	21.39	338.65	945.60	412.35	390.39	21.97	18.772		
2,900.00	2,706.45	2,720.34	2,420.91	17.65	22.22	21.89	362.87	1,009.65	427.61	404.25	23.36	18.306		
3,000.00	2,787.09	2,819.10	2,492.09	18.82	23.69	22.36	387.08	1,073.69	442.89	418.11	24.78	17.874		
3,100.00	2,867.73	2,917.86	2,563.26	19.99	25.18	22.80	411.29	1,137.74	458.20	431.98	26.22	17.475		
3,200.00	2,948.37	3,016.63	2,634.44	21.17	26.67	23.21	435.51	1,201.78	473.54	445.86	27.68	17.106		
3,300.00	3,029.01	3,115.39	2,705.61	22.36	28.16	23.59	459.72	1,265.83	488.90	459.73	29.16	16.763		
3,400.00	3,109.65	3,214.15	2,776.79	23.55	29.65	23.95	483.93	1,329.88	504.28	473.61	30.66	16.445		
3,500.00	3,190.29	3,312.91	2,847.97	24.74	31.15	24.29	508.14	1,393.92	519.67	487.49	32.18	16.150		
3,600.00	3,270.93	3,411.67	2,919.14	25.94	32.65	24.61	532.36	1,457.97	535.08	501.38	33.71	15.875		
3,700.00	3,351.57	3,510.44	2,990.32	27.14	34.16	24.91	556.57	1,522.01	550.51	515.27	35.25	15.618		
3,800.00	3,432.21	3,609.20	3,061.49	28.35	35.66	25.20	580.78	1,586.06	565.96	529.16	36.80	15.379		
3,900.00	3,512.85	3,707.96	3,132.67	29.56	37.17	25.47	605.00	1,650.10	581.41	543.05	38.36	15.155		
4,000.00	3,593.49	3,806.72	3,203.84	30.76	38.68	25.72	629.21	1,714.15	596.88	556.94	39.94	14.946		
4,100.00	3,674.13	3,905.49	3,275.02	31.97	40.19	25.97	653.42	1,778.19	612.36	570.84	41.52	14.749		
4,200.00	3,754.77	4,004.25	3,346.19	33.19	41.70	26.20	677.64	1,842.24	627.85	584.74	43.11	14.565		
4,300.00	3,835.41	4,103.01	3,417.37	34.40	43.21	26.42	701.85	1,906.28	643.34	598.64	44.70	14.391		
4,400.00	3,916.05	4,201.77	3,488.55	35.62	44.72	26.63	726.06	1,970.33	658.85	612.54	46.31	14.227		
4,500.00	3,996.69	4,300.54	3,559.72	36.83	46.24	26.83	750.27	2,034.37	674.37	626.45	47.92	14.073		
4,600.00	4,077.33	4,399.30	3,630.90	38.05	47.75	27.02	774.49	2,098.42	689.89	640.35	49.54	13.927		
4,700.00	4,157.96	4,498.06	3,702.07	39.27	49.26	27.20	798.70	2,162.46	705.42	654.26	51.16	13.789		
4,800.00	4,238.60	4,603.18	3,773.25	40.49	50.88	27.38	822.91	2,226.51	720.95	668.12	52.84	13.645		
4,900.00	4,319.24	4,695.59	3,844.42	41.71	52.30	27.54	847.13	2,290.55	736.50	682.08	54.42	13.534		
5,000.00	4,399.88	4,794.35	3,915.60	42.93	53.81	27.70	871.34	2,354.60	752.05	695.99	56.06	13.416		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1M-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,480.52	4,906.89	3,986.77	44.15	55.54	27.86	895.55	2,418.64	767.60	709.80	57.81	13.279		
5,200.00	4,561.16	5,008.13	4,057.95	45.37	57.10	28.00	919.77	2,482.69	783.16	723.69	59.47	13.169		
5,300.00	4,641.80	5,090.63	4,129.12	46.59	58.36	28.15	943.98	2,546.73	798.72	737.73	60.99	13.096		
5,400.00	4,722.44	5,189.40	4,200.30	47.82	59.88	28.28	968.19	2,610.78	814.29	751.65	62.64	12.999		
5,500.00	4,803.08	5,288.16	4,271.48	49.04	61.40	28.41	992.40	2,674.82	829.87	765.57	64.30	12.907		
5,600.00	4,883.72	5,386.92	4,342.65	50.27	62.92	28.54	1,016.62	2,738.87	845.44	779.49	65.96	12.818		
5,700.00	4,964.36	5,485.68	4,413.83	51.49	64.44	28.66	1,040.83	2,802.91	861.03	793.41	67.62	12.734		
5,800.00	5,045.00	5,584.45	4,485.00	52.71	65.96	28.78	1,065.04	2,866.96	876.61	807.33	69.28	12.653		
5,900.00	5,125.64	5,683.21	4,556.18	53.94	67.48	28.89	1,089.26	2,931.00	892.20	821.25	70.95	12.575		
6,000.00	5,206.28	5,781.97	4,627.35	55.17	69.00	29.00	1,113.47	2,995.05	907.79	835.18	72.62	12.501		
6,100.00	5,286.92	5,880.73	4,698.53	56.39	70.52	29.11	1,137.68	3,059.09	923.39	849.10	74.29	12.430		
6,200.00	5,367.56	5,979.50	4,769.70	57.62	72.04	29.21	1,161.90	3,123.14	938.98	863.02	75.96	12.361		
6,300.00	5,448.20	6,078.26	4,840.88	58.84	73.56	29.31	1,186.11	3,187.18	954.59	876.95	77.64	12.296		
6,400.00	5,528.84	6,177.02	4,912.06	60.07	75.08	29.41	1,210.32	3,251.23	970.19	890.87	79.31	12.232		
6,500.00	5,609.47	6,275.78	4,983.23	61.30	76.60	29.50	1,234.53	3,315.27	985.80	904.80	80.99	12.171		
6,600.00	5,690.11	6,374.54	5,054.41	62.53	78.12	29.59	1,258.75	3,379.32	1,001.40	918.73	82.67	12.113		
6,700.00	5,770.75	6,473.31	5,125.58	63.75	79.64	29.68	1,282.96	3,443.36	1,017.01	932.66	84.36	12.056		
6,800.00	5,851.39	6,572.07	5,196.76	64.98	81.16	29.76	1,307.17	3,507.41	1,032.63	946.59	86.04	12.001		
6,900.00	5,932.03	6,670.83	5,267.93	66.21	82.69	29.84	1,331.39	3,571.45	1,048.24	960.51	87.73	11.949		
7,000.00	6,012.67	6,769.59	5,339.11	67.44	84.21	29.92	1,355.60	3,635.50	1,063.86	974.44	89.42	11.898		
7,100.00	6,093.31	6,868.36	5,410.28	68.66	85.73	30.00	1,379.81	3,699.54	1,079.48	988.37	91.10	11.849		
7,200.00	6,173.95	6,967.12	5,481.46	69.89	87.25	30.08	1,404.03	3,763.59	1,095.10	1,002.31	92.79	11.801		
7,300.00	6,254.59	7,065.88	5,552.63	71.12	88.77	30.15	1,428.24	3,827.63	1,110.72	1,016.24	94.49	11.755		
7,400.00	6,335.23	7,164.64	5,623.81	72.35	90.30	30.22	1,452.45	3,891.68	1,126.35	1,030.17	96.18	11.711		
7,500.00	6,415.87	7,263.41	5,694.99	73.58	91.82	30.29	1,476.66	3,955.72	1,141.97	1,044.10	97.87	11.668		
7,600.00	6,496.51	7,362.17	5,766.16	74.81	93.34	30.36	1,500.88	4,019.77	1,157.60	1,058.03	99.57	11.626		
7,700.00	6,577.15	7,460.93	5,837.34	76.04	94.86	30.42	1,525.09	4,083.81	1,173.23	1,071.97	101.26	11.586		
7,800.00	6,657.79	7,559.69	5,908.51	77.27	96.39	30.49	1,549.30	4,147.86	1,188.86	1,085.90	102.96	11.547		
7,900.00	6,738.43	7,658.45	5,979.69	78.50	97.91	30.55	1,573.52	4,211.90	1,204.49	1,099.84	104.66	11.509		
8,000.00	6,819.07	7,757.22	6,050.86	79.73	99.43	30.61	1,597.73	4,275.95	1,220.13	1,113.77	106.36	11.472		
8,100.00	6,899.71	7,855.98	6,122.04	80.96	100.95	30.67	1,621.94	4,339.99	1,235.76	1,127.71	108.06	11.436		
8,200.00	6,980.35	7,954.74	6,193.21	82.18	102.48	30.73	1,646.16	4,404.04	1,251.40	1,141.64	109.76	11.401		
8,240.58	7,013.07	8,005.18	6,222.10	82.68	103.25	30.75	1,655.98	4,430.03	1,257.74	1,147.21	110.54	11.379		
8,250.00	7,020.68	8,004.12	6,228.80	82.80	103.24	29.71	1,658.26	4,436.06	1,259.21	1,148.61	110.60	11.385		
8,300.00	7,061.63	8,053.50	6,264.38	83.40	104.00	23.60	1,670.37	4,468.08	1,266.64	1,155.46	111.18	11.392		
8,350.00	7,103.23	8,102.56	6,299.74	83.97	104.76	16.65	1,682.40	4,499.90	1,273.50	1,162.12	111.37	11.435		
8,400.00	7,145.18	8,150.94	6,334.61	84.51	105.50	9.12	1,694.26	4,531.27	1,279.79	1,168.62	111.17	11.512		
8,450.00	7,187.16	8,201.72	6,368.72	85.01	106.28	1.35	1,705.86	4,561.97	1,285.57	1,174.97	110.60	11.623		
8,500.00	7,228.84	8,244.20	6,401.82	85.46	106.94	-6.31	1,717.12	4,591.75	1,290.94	1,181.34	109.61	11.778		
8,550.00	7,269.91	8,288.36	6,433.65	85.86	107.62	-13.55	1,727.95	4,620.39	1,296.04	1,187.75	108.30	11.967		
8,600.00	7,310.05	8,330.43	6,463.96	86.20	108.27	-20.18	1,738.26	4,647.67	1,301.03	1,194.35	106.67	12.196		
8,650.00	7,348.97	8,370.08	6,492.54	86.50	108.88	-26.09	1,747.98	4,673.38	1,306.08	1,201.29	104.79	12.464		
8,700.00	7,386.36	8,407.02	6,519.16	86.74	109.45	-31.26	1,757.04	4,697.33	1,311.39	1,208.69	102.69	12.770		
8,750.00	7,421.94	8,440.96	6,543.62	86.93	109.97	-35.68	1,765.36	4,719.34	1,317.15	1,216.68	100.47	13.110		
8,800.00	7,455.44	8,471.64	6,565.73	87.07	110.45	-39.39	1,772.88	4,739.23	1,323.56	1,225.36	98.20	13.478		
8,850.00	7,486.61	8,501.17	6,585.32	87.16	110.90	-42.42	1,779.55	4,756.87	1,330.79	1,234.80	96.00	13.863		
8,900.00	7,515.20	8,522.32	6,602.25	87.20	111.23	-44.80	1,785.31	4,772.10	1,338.99	1,245.09	93.91	14.259		
8,950.00	7,541.00	8,541.94	6,616.39	87.21	111.53	-46.55	1,790.12	4,784.82	1,348.28	1,256.21	92.08	14.643		
9,000.00	7,563.81	8,557.53	6,627.63	87.17	111.77	-47.68	1,793.94	4,794.93	1,358.74	1,268.16	90.58	15.000		
9,050.00	7,583.47	8,568.98	6,635.88	87.10	111.95	-48.23	1,796.74	4,802.36	1,370.40	1,280.90	89.50	15.312		
9,100.00	7,599.81	8,576.19	6,641.08	87.00	112.06	-48.21	1,798.51	4,807.04	1,383.25	1,294.38	88.87	15.565		
9,150.00	7,612.72	8,579.12	6,643.19	86.88	112.11	-47.65	1,799.23	4,808.94	1,397.22	1,308.50	88.72	15.749		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1M-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,622.09	8,577.75	6,642.20	86.72	112.08	-46.57	1,798.89	4,808.04	1,412.21	1,323.17	89.04	15.861		
9,250.00	7,627.87	8,572.07	6,638.11	86.55	112.00	-45.01	1,797.50	4,804.36	1,428.05	1,338.26	89.78	15.905		
9,303.98	7,630.00	8,561.17	6,630.25	86.35	111.83	-42.83	1,794.83	4,797.30	1,445.88	1,354.88	91.00	15.888		
9,400.00	7,630.00	8,537.42	6,613.14	85.99	111.46	-41.87	1,789.01	4,781.89	1,480.70	1,386.63	94.06	15.741		
9,500.00	7,630.00	8,512.69	6,595.31	85.62	111.08	-40.87	1,782.94	4,765.85	1,522.16	1,423.98	98.18	15.504		
9,600.00	7,630.00	8,487.95	6,577.49	85.28	110.70	-39.88	1,776.88	4,749.81	1,568.52	1,465.66	102.86	15.249		
9,700.00	7,630.00	8,463.22	6,559.66	84.95	110.32	-38.89	1,770.82	4,733.77	1,619.36	1,511.55	107.81	15.021		
9,800.00	7,630.00	8,438.48	6,541.83	84.64	109.94	-37.91	1,764.75	4,717.74	1,674.27	1,561.47	112.80	14.843		
9,900.00	7,630.00	10,681.43	7,480.00	84.34	123.60	-84.96	710.77	5,557.29	1,696.15	1,600.42	95.72	17.719		
10,000.00	7,630.00	10,781.43	7,480.00	84.06	123.39	-84.96	610.77	5,556.95	1,696.15	1,600.64	95.51	17.760		
10,100.00	7,630.00	10,881.43	7,480.00	83.80	123.18	-84.96	510.77	5,556.62	1,696.15	1,600.73	95.42	17.776		
10,200.00	7,630.00	10,981.43	7,480.00	83.56	122.99	-84.96	410.77	5,556.28	1,696.15	1,600.69	95.46	17.768		
10,300.00	7,630.00	11,081.43	7,480.00	83.33	122.81	-84.96	310.77	5,555.94	1,696.15	1,600.51	95.63	17.736		
10,400.00	7,630.00	11,181.43	7,480.00	83.12	122.64	-84.96	210.77	5,555.61	1,696.15	1,600.21	95.93	17.680		
10,500.00	7,630.00	11,281.43	7,480.00	82.92	122.48	-84.96	110.77	5,555.27	1,696.15	1,599.78	96.37	17.601		
10,600.00	7,630.00	11,381.43	7,480.00	82.75	122.33	-84.96	10.77	5,554.93	1,696.14	1,599.22	96.92	17.500		
10,700.00	7,630.00	11,481.43	7,480.00	82.59	122.20	-84.96	-89.23	5,554.60	1,696.14	1,598.54	97.60	17.378		
10,800.00	7,630.00	11,581.43	7,480.00	82.45	122.07	-84.96	-189.23	5,554.26	1,696.14	1,597.74	98.41	17.236		
10,900.00	7,630.00	11,681.43	7,480.00	82.33	121.96	-84.96	-289.23	5,553.92	1,696.14	1,596.81	99.33	17.076		
11,000.00	7,630.00	11,781.43	7,480.00	82.22	121.86	-84.96	-389.22	5,553.59	1,696.14	1,595.77	100.37	16.899		
11,100.00	7,630.00	11,881.43	7,480.00	82.14	121.77	-84.96	-489.22	5,553.25	1,696.14	1,594.62	101.52	16.708		
11,200.00	7,630.00	11,981.43	7,480.00	82.08	121.69	-84.96	-589.22	5,552.91	1,696.14	1,593.37	102.78	16.503		
11,300.00	7,630.00	12,081.43	7,480.00	82.04	121.62	-84.96	-689.22	5,552.58	1,696.14	1,592.00	104.14	16.288		
11,400.00	7,630.00	12,181.43	7,480.00	82.02	121.57	-84.96	-789.22	5,552.24	1,696.14	1,590.54	105.60	16.062		
11,500.00	7,630.00	12,281.43	7,480.00	82.03	121.53	-84.96	-889.22	5,551.90	1,696.14	1,588.98	107.16	15.828		
11,600.00	7,630.00	12,381.43	7,480.00	82.06	121.50	-84.96	-989.22	5,551.57	1,696.14	1,587.33	108.81	15.588		
11,700.00	7,630.00	12,481.43	7,480.00	82.12	121.48	-84.96	-1,089.22	5,551.23	1,696.14	1,585.59	110.54	15.343		
11,800.00	7,630.00	12,581.43	7,480.00	82.21	121.48	-84.96	-1,189.22	5,550.89	1,696.14	1,583.77	112.37	15.095		
11,900.00	7,630.00	12,681.43	7,480.00	82.33	121.49	-84.96	-1,289.22	5,550.56	1,696.14	1,581.87	114.27	14.844		
12,000.00	7,630.00	12,781.43	7,480.00	82.48	121.52	-84.96	-1,389.22	5,550.22	1,696.14	1,579.89	116.24	14.591		
12,100.00	7,630.00	12,881.43	7,480.00	82.66	121.56	-84.96	-1,489.22	5,549.88	1,696.13	1,577.84	118.29	14.339		
12,200.00	7,630.00	12,981.43	7,480.00	82.88	121.61	-84.96	-1,589.22	5,549.55	1,696.13	1,575.73	120.41	14.087		
12,300.00	7,630.00	13,081.43	7,480.00	83.14	121.69	-84.96	-1,689.22	5,549.21	1,696.13	1,573.54	122.59	13.836		
12,400.00	7,630.00	13,181.43	7,480.00	83.44	121.77	-84.96	-1,789.22	5,548.87	1,696.13	1,571.30	124.83	13.587		
12,500.00	7,630.00	13,281.43	7,480.00	83.79	121.87	-84.96	-1,889.22	5,548.54	1,696.13	1,569.00	127.13	13.342		
12,600.00	7,630.00	13,381.43	7,480.00	84.18	121.99	-84.96	-1,989.22	5,548.20	1,696.13	1,566.64	129.49	13.099		
12,700.00	7,630.00	13,481.43	7,480.00	84.61	122.13	-84.96	-2,089.22	5,547.86	1,696.13	1,564.24	131.89	12.860		
12,800.00	7,630.00	13,581.43	7,480.00	85.10	122.29	-84.96	-2,189.21	5,547.53	1,696.13	1,561.78	134.35	12.625		
12,900.00	7,630.00	13,681.43	7,480.00	85.64	122.46	-84.96	-2,289.21	5,547.19	1,696.13	1,559.28	136.85	12.394		
13,000.00	7,630.00	13,781.43	7,480.00	86.22	122.65	-84.96	-2,389.21	5,546.85	1,696.13	1,556.73	139.40	12.167		
13,100.00	7,630.00	13,881.43	7,480.00	86.86	122.86	-84.96	-2,489.21	5,546.52	1,696.13	1,554.14	141.99	11.945		
13,200.00	7,630.00	13,981.43	7,480.00	87.56	123.10	-84.96	-2,589.21	5,546.18	1,696.13	1,551.51	144.62	11.728		
13,300.00	7,630.00	14,081.43	7,480.00	88.30	123.35	-84.96	-2,689.21	5,545.84	1,696.13	1,548.84	147.28	11.516		
13,400.00	7,630.00	14,181.43	7,480.00	89.10	123.63	-84.96	-2,789.21	5,545.51	1,696.13	1,546.14	149.98	11.309		
13,500.00	7,630.00	14,281.43	7,480.00	89.94	123.93	-84.96	-2,889.21	5,545.17	1,696.13	1,543.41	152.72	11.106		
13,600.00	7,630.00	14,381.43	7,480.00	90.84	124.25	-84.96	-2,989.21	5,544.83	1,696.13	1,540.64	155.48	10.909		
13,700.00	7,630.00	14,481.43	7,480.00	91.78	124.60	-84.96	-3,089.21	5,544.50	1,696.12	1,537.84	158.28	10.716		
13,800.00	7,630.00	14,581.43	7,480.00	92.77	124.97	-84.96	-3,189.21	5,544.16	1,696.12	1,535.02	161.10	10.528		
13,900.00	7,630.00	14,681.43	7,480.00	93.79	125.36	-84.96	-3,289.21	5,543.82	1,696.12	1,532.17	163.96	10.345		
14,000.00	7,630.00	14,781.43	7,480.00	94.86	125.79	-84.96	-3,389.21	5,543.49	1,696.12	1,529.29	166.83	10.167		
14,100.00	7,630.00	14,881.43	7,480.00	95.97	126.24	-84.96	-3,489.21	5,543.15	1,696.12	1,526.39	169.74	9.993		
14,200.00	7,630.00	14,981.43	7,480.00	97.11	126.72	-84.96	-3,589.21	5,542.81	1,696.12	1,523.46	172.66	9.823		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1M-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,630.00	15,081.43	7,480.00	98.28	127.22	-84.96	-3,689.21	5,542.48	1,696.12	1,520.51	175.61	9.659		
14,400.00	7,630.00	15,181.43	7,480.00	99.48	127.76	-84.96	-3,789.21	5,542.14	1,696.12	1,517.55	178.57	9.498		
14,500.00	7,630.00	15,281.43	7,480.00	100.72	128.32	-84.96	-3,889.21	5,541.80	1,696.12	1,514.56	181.56	9.342		
14,600.00	7,630.00	15,381.43	7,480.00	101.97	128.92	-84.96	-3,989.20	5,541.47	1,696.12	1,511.55	184.57	9.190		
14,700.00	7,630.00	15,481.43	7,480.00	103.26	129.54	-84.96	-4,089.20	5,541.13	1,696.12	1,508.53	187.59	9.042		
14,800.00	7,630.00	15,581.43	7,480.00	104.56	130.20	-84.96	-4,189.20	5,540.79	1,696.12	1,505.48	190.63	8.897		
14,900.00	7,630.00	15,681.43	7,480.00	105.89	130.88	-84.96	-4,289.20	5,540.46	1,696.12	1,502.43	193.69	8.757		
15,000.00	7,630.00	15,781.43	7,480.00	107.24	131.60	-84.96	-4,389.20	5,540.12	1,696.12	1,499.35	196.76	8.620		
15,100.00	7,630.00	15,881.43	7,480.00	108.60	132.35	-84.96	-4,489.20	5,539.78	1,696.12	1,496.26	199.85	8.487		
15,200.00	7,630.00	15,981.43	7,480.00	109.98	133.12	-84.96	-4,589.20	5,539.45	1,696.11	1,493.16	202.95	8.357		
15,300.00	7,630.00	16,081.43	7,480.00	111.38	133.93	-84.96	-4,689.20	5,539.11	1,696.11	1,490.04	206.07	8.231		
15,400.00	7,630.00	16,181.43	7,480.00	112.79	134.77	-84.96	-4,789.20	5,538.77	1,696.11	1,486.92	209.20	8.108		
15,500.00	7,630.00	16,281.43	7,480.00	114.22	135.64	-84.96	-4,889.20	5,538.44	1,696.11	1,483.77	212.34	7.988		
15,600.00	7,630.00	16,381.43	7,480.00	115.66	136.53	-84.96	-4,989.20	5,538.10	1,696.11	1,480.62	215.49	7.871		
15,700.00	7,630.00	16,481.43	7,480.00	117.11	137.46	-84.96	-5,089.20	5,537.76	1,696.11	1,477.46	218.66	7.757		
15,800.00	7,630.00	16,581.43	7,480.00	118.57	138.41	-84.96	-5,189.20	5,537.43	1,696.11	1,474.28	221.83	7.646		
15,900.00	7,630.00	16,681.43	7,480.00	120.05	139.39	-84.96	-5,289.20	5,537.09	1,696.11	1,471.09	225.02	7.538		
16,000.00	7,630.00	16,781.43	7,480.00	121.53	140.40	-84.96	-5,389.20	5,536.75	1,696.11	1,467.90	228.21	7.432		
16,100.00	7,630.00	16,881.43	7,480.00	123.03	141.43	-84.96	-5,489.20	5,536.42	1,696.11	1,464.69	231.42	7.329		
16,200.00	7,630.00	16,981.43	7,480.00	124.53	142.49	-84.96	-5,589.20	5,536.08	1,696.11	1,461.48	234.63	7.229		
16,300.00	7,630.00	17,081.43	7,480.00	126.04	143.58	-84.96	-5,689.20	5,535.74	1,696.11	1,458.25	237.85	7.131		
16,400.00	7,630.00	17,181.43	7,480.00	127.56	144.68	-84.96	-5,789.19	5,535.41	1,696.11	1,455.02	241.08	7.035		
16,500.00	7,630.00	17,281.43	7,480.00	129.09	145.81	-84.96	-5,889.19	5,535.07	1,696.11	1,451.78	244.32	6.942		
16,600.00	7,630.00	17,381.43	7,480.00	130.62	146.96	-84.96	-5,989.19	5,534.73	1,696.11	1,448.54	247.57	6.851		
16,700.00	7,630.00	17,481.43	7,480.00	132.16	148.14	-84.96	-6,089.19	5,534.40	1,696.11	1,445.28	250.83	6.762		
16,800.00	7,630.00	17,581.43	7,480.00	133.71	149.33	-84.96	-6,189.19	5,534.06	1,696.10	1,442.02	254.09	6.675		
16,900.00	7,630.00	17,681.43	7,480.00	135.27	150.55	-84.96	-6,289.19	5,533.72	1,696.10	1,438.75	257.36	6.591		
17,000.00	7,630.00	17,781.43	7,480.00	136.83	151.78	-84.96	-6,389.19	5,533.39	1,696.10	1,435.47	260.63	6.508		
17,100.00	7,630.00	17,881.43	7,480.00	138.39	153.03	-84.96	-6,489.19	5,533.05	1,696.10	1,432.19	263.91	6.427		
17,200.00	7,630.00	17,981.43	7,480.00	139.97	154.30	-84.96	-6,589.19	5,532.71	1,696.10	1,428.90	267.20	6.348		
17,300.00	7,630.00	18,081.43	7,480.00	141.54	155.58	-84.96	-6,689.19	5,532.38	1,696.10	1,425.61	270.49	6.270		
17,400.00	7,630.00	18,181.43	7,480.00	143.12	156.88	-84.96	-6,789.19	5,532.04	1,696.10	1,422.31	273.79	6.195		
17,500.00	7,630.00	18,281.43	7,480.00	144.71	158.20	-84.96	-6,889.19	5,531.70	1,696.10	1,419.00	277.10	6.121		
17,600.00	7,630.00	18,381.43	7,480.00	146.30	159.53	-84.96	-6,989.19	5,531.37	1,696.10	1,415.69	280.41	6.049		
17,700.00	7,630.00	18,481.43	7,480.00	147.90	160.87	-84.96	-7,089.19	5,531.03	1,696.10	1,412.38	283.72	5.978		
17,800.00	7,630.00	18,581.43	7,480.00	149.50	162.23	-84.96	-7,189.19	5,530.69	1,696.10	1,409.05	287.04	5.909		
17,900.00	7,630.00	18,681.43	7,480.00	151.10	163.60	-84.96	-7,289.19	5,530.35	1,696.10	1,405.73	290.37	5.841		
18,000.00	7,630.00	18,781.43	7,480.00	152.71	164.98	-84.96	-7,389.19	5,530.02	1,696.10	1,402.40	293.70	5.775		
18,100.00	7,630.00	18,881.43	7,480.00	154.32	166.37	-84.96	-7,489.18	5,529.68	1,696.10	1,399.06	297.03	5.710		
18,200.00	7,630.00	18,981.43	7,480.00	155.94	167.78	-84.96	-7,589.18	5,529.34	1,696.10	1,395.72	300.37	5.647		
18,300.00	7,630.00	19,081.43	7,480.00	157.56	169.19	-84.96	-7,689.18	5,529.01	1,696.10	1,392.38	303.71	5.585		
18,400.00	7,630.00	19,181.43	7,480.00	159.18	170.62	-84.96	-7,789.18	5,528.67	1,696.09	1,389.03	307.06	5.524		
18,500.00	7,630.00	19,281.43	7,480.00	160.80	172.06	-84.96	-7,889.18	5,528.33	1,696.09	1,385.68	310.41	5.464		
18,600.00	7,630.00	19,381.43	7,480.00	162.43	173.50	-84.96	-7,989.18	5,528.00	1,696.09	1,382.33	313.77	5.406		
18,700.00	7,630.00	19,481.43	7,480.00	164.06	174.96	-84.96	-8,089.18	5,527.66	1,696.09	1,378.97	317.12	5.348		
18,800.00	7,630.00	19,581.43	7,480.00	165.70	176.42	-84.96	-8,189.18	5,527.32	1,696.09	1,375.61	320.49	5.292		
18,900.00	7,630.00	19,681.43	7,480.00	167.33	177.89	-84.96	-8,289.18	5,526.99	1,696.09	1,372.24	323.85	5.237		
19,000.00	7,630.00	19,781.43	7,480.00	168.97	179.37	-84.96	-8,389.18	5,526.65	1,696.09	1,368.87	327.22	5.183		
19,021.79	7,630.00	19,803.22	7,480.00	169.33	179.69	-84.96	-8,410.97	5,526.58	1,696.09	1,368.14	327.95	5.172 SF		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1N-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	1.00	-1.00	0.00	0.00	90.35	-0.36	59.92	59.92					
100.00	100.00	99.00	99.00	0.13	0.13	90.35	-0.36	59.92	59.92	59.65	0.27	223.998	CC, ES	
200.00	200.00	197.05	197.03	0.49	0.48	89.83	0.19	61.47	61.50	60.52	0.98	62.787		
300.00	300.00	294.86	294.71	0.85	0.84	88.40	1.85	66.16	66.33	64.63	1.69	39.141		
400.00	400.00	392.21	391.71	1.21	1.20	86.43	4.62	73.95	74.45	72.05	2.41	30.917		
500.00	500.00	488.90	487.70	1.57	1.58	84.30	8.45	84.76	85.92	82.81	3.12	27.551		
600.00	600.00	584.70	582.39	1.93	1.99	82.30	13.32	98.47	100.74	96.92	3.82	26.345		
700.00	700.00	679.41	675.47	2.29	2.41	80.53	19.17	114.95	118.89	114.37	4.52	26.286		
800.00	799.98	773.23	767.05	2.64	2.87	78.34	25.98	134.12	138.68	133.47	5.21	26.642		
900.00	899.84	866.46	857.35	2.99	3.35	76.46	33.74	155.97	158.41	152.53	5.88	26.953		
1,000.00	999.45	959.11	946.29	3.35	3.88	74.93	42.41	180.41	178.03	171.48	6.55	27.200		
1,100.00	1,098.70	1,051.21	1,033.83	3.73	4.44	73.64	51.99	207.37	197.50	190.28	7.22	27.358		
1,200.00	1,197.47	1,142.76	1,119.89	4.11	5.04	72.52	62.43	236.80	216.79	208.89	7.90	27.453		
1,300.00	1,295.62	1,233.78	1,204.42	4.53	5.69	71.53	73.73	268.60	235.88	227.30	8.58	27.498		
1,400.00	1,393.06	1,324.29	1,287.37	4.97	6.38	70.54	85.84	302.72	254.76	245.50	9.27	27.495		
1,500.00	1,489.64	1,414.30	1,368.68	5.44	7.12	69.53	98.75	339.08	273.41	263.45	9.96	27.446		
1,600.00	1,585.27	1,503.83	1,448.32	5.95	7.90	68.53	112.43	377.62	291.83	281.16	10.67	27.354		
1,700.00	1,679.82	1,592.89	1,526.23	6.51	8.74	67.53	126.86	418.27	309.99	298.60	11.39	27.212		
1,800.00	1,773.17	1,681.49	1,602.37	7.13	9.63	66.53	142.01	460.95	327.89	315.76	12.13	27.027		
1,900.00	1,865.21	1,769.65	1,676.72	7.79	10.56	65.53	157.87	505.60	345.53	332.63	12.89	26.799		
2,000.00	1,955.84	1,857.38	1,749.22	8.51	11.55	64.53	174.40	552.15	362.88	349.20	13.68	26.527		
2,100.00	2,044.94	1,944.71	1,819.84	9.30	12.58	63.53	191.58	600.54	379.96	365.46	14.50	26.212		
2,200.00	2,132.39	2,031.63	1,888.56	10.15	13.67	62.53	209.39	650.71	396.74	381.40	15.35	25.854		
2,300.00	2,218.11	2,118.18	1,955.34	11.07	14.80	61.53	227.80	702.58	413.23	397.00	16.23	25.454		
2,400.00	2,301.97	2,204.36	2,020.15	12.06	15.98	60.53	246.80	756.10	429.42	412.25	17.17	25.013		
2,500.00	2,383.88	2,290.19	2,082.98	13.11	17.22	59.53	266.37	811.20	445.30	427.15	18.15	24.530		
2,512.74	2,394.17	2,302.46	2,091.83	13.25	17.40	59.53	269.21	819.22	447.29	428.98	18.31	24.430		
2,600.00	2,464.54	2,388.55	2,153.92	14.22	18.67	58.53	289.16	875.41	460.74	441.29	19.45	23.684		
2,700.00	2,545.18	2,487.20	2,225.08	15.35	20.14	57.53	312.03	939.81	476.22	455.41	20.80	22.894		
2,800.00	2,625.82	2,585.86	2,296.23	16.50	21.62	56.53	334.89	1,004.21	491.74	469.56	22.18	22.166		
2,900.00	2,706.45	2,684.52	2,367.39	17.65	23.10	55.53	357.75	1,068.61	507.32	483.72	23.60	21.497		
3,000.00	2,787.09	2,783.17	2,438.55	18.82	24.59	54.53	380.62	1,133.00	522.95	497.91	25.04	20.881		
3,100.00	2,867.73	2,881.83	2,509.70	19.99	26.08	53.53	403.48	1,197.40	538.62	512.10	26.52	20.313		
3,200.00	2,948.37	2,980.49	2,580.86	21.17	27.58	52.53	426.35	1,261.80	554.33	526.32	28.01	19.790		
3,300.00	3,029.01	3,079.14	2,652.01	22.36	29.08	51.53	449.21	1,326.20	570.07	540.54	29.53	19.307		
3,400.00	3,109.65	3,177.80	2,723.17	23.55	30.58	50.53	472.07	1,390.60	585.84	554.78	31.06	18.860		
3,500.00	3,190.29	3,276.46	2,794.33	24.74	32.09	49.53	494.94	1,455.00	601.65	569.03	32.62	18.446		
3,600.00	3,270.93	3,375.11	2,865.48	25.94	33.60	48.53	517.80	1,519.40	617.48	583.29	34.19	18.061		
3,700.00	3,351.57	3,473.77	2,936.64	27.14	35.11	47.53	540.67	1,583.80	633.34	597.56	35.78	17.703		
3,800.00	3,432.21	3,572.43	3,007.79	28.35	36.62	46.53	563.53	1,648.19	649.22	611.84	37.38	17.370		
3,900.00	3,512.85	3,671.08	3,078.95	29.56	38.13	45.53	586.39	1,712.59	665.12	626.13	38.99	17.059		
4,000.00	3,593.49	3,769.74	3,150.11	30.76	39.64	44.53	609.26	1,776.99	681.05	640.43	40.62	16.768		
4,100.00	3,674.13	3,868.40	3,221.26	31.97	41.16	43.53	632.12	1,841.39	696.99	654.74	42.25	16.496		
4,200.00	3,754.77	3,967.05	3,292.42	33.19	42.67	42.53	654.98	1,905.79	712.95	669.05	43.90	16.241		
4,300.00	3,835.41	4,065.71	3,363.58	34.40	44.19	41.53	677.85	1,970.19	728.93	683.37	45.56	16.001		
4,400.00	3,916.05	4,164.37	3,434.73	35.62	45.70	40.53	700.71	2,034.59	744.92	697.70	47.22	15.775		
4,500.00	3,996.69	4,263.02	3,505.89	36.83	47.22	39.53	723.58	2,098.99	760.93	712.03	48.89	15.563		
4,600.00	4,077.33	4,361.68	3,577.04	38.05	48.74	38.53	746.44	2,163.38	776.95	726.37	50.58	15.362		
4,700.00	4,157.96	4,460.34	3,648.20	39.27	50.26	37.53	769.30	2,227.78	792.98	740.72	52.27	15.172		
4,800.00	4,238.60	4,558.99	3,719.36	40.49	51.78	36.53	792.17	2,292.18	809.03	755.07	53.96	14.993		
4,900.00	4,319.24	4,657.65	3,790.51	41.71	53.30	35.53	815.03	2,356.58	825.09	769.42	55.66	14.823		
5,000.00	4,399.88	4,756.31	3,861.67	42.93	54.82	34.53	837.89	2,420.98	841.16	783.79	57.37	14.662		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1N-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,480.52	4,854.96	3,932.82	44.15	56.34	29.49	860.76	2,485.38	857.23	798.15	59.08	14.509		
5,200.00	4,561.16	4,953.62	4,003.98	45.37	57.86	29.68	883.62	2,549.78	873.32	812.52	60.80	14.363		
5,300.00	4,641.80	5,052.28	4,075.14	46.59	59.38	29.86	906.49	2,614.17	889.42	826.89	62.53	14.225		
5,400.00	4,722.44	5,150.93	4,146.29	47.82	60.90	30.04	929.35	2,678.57	905.52	841.27	64.25	14.093		
5,500.00	4,803.08	5,249.59	4,217.45	49.04	62.43	30.21	952.21	2,742.97	921.64	855.65	65.99	13.967		
5,600.00	4,883.72	5,348.25	4,288.60	50.27	63.95	30.38	975.08	2,807.37	937.76	870.04	67.72	13.847		
5,700.00	4,964.36	5,446.90	4,359.76	51.49	65.47	30.54	997.94	2,871.77	953.89	884.42	69.46	13.732		
5,800.00	5,045.00	5,545.56	4,430.92	52.71	66.99	30.69	1,020.80	2,936.17	970.02	898.82	71.21	13.622		
5,900.00	5,125.64	5,644.22	4,502.07	53.94	68.52	30.84	1,043.67	3,000.57	986.17	913.21	72.96	13.517		
6,000.00	5,206.28	5,742.87	4,573.23	55.17	70.04	30.98	1,066.53	3,064.97	1,002.31	927.61	74.71	13.417		
6,100.00	5,286.92	5,841.53	4,644.39	56.39	71.56	31.12	1,089.40	3,129.36	1,018.47	942.01	76.46	13.320		
6,200.00	5,367.56	5,940.19	4,715.54	57.62	73.09	31.26	1,112.26	3,193.76	1,034.63	956.41	78.22	13.228		
6,300.00	5,448.20	6,038.84	4,786.70	58.84	74.61	31.39	1,135.12	3,258.16	1,050.79	970.82	79.98	13.139		
6,400.00	5,528.84	6,137.50	4,857.85	60.07	76.14	31.52	1,157.99	3,322.56	1,066.97	985.22	81.74	13.053		
6,500.00	5,609.47	6,236.16	4,929.01	61.30	77.66	31.64	1,180.85	3,386.96	1,083.14	999.63	83.51	12.971		
6,600.00	5,690.11	6,334.81	5,000.17	62.53	79.18	31.76	1,203.72	3,451.36	1,099.32	1,014.05	85.27	12.892		
6,700.00	5,770.75	6,433.47	5,071.32	63.75	80.71	31.87	1,226.58	3,515.76	1,115.51	1,028.46	87.04	12.815		
6,800.00	5,851.39	6,532.13	5,142.48	64.98	82.23	31.99	1,249.44	3,580.15	1,131.70	1,042.88	88.82	12.742		
6,900.00	5,932.03	6,630.78	5,213.63	66.21	83.76	32.10	1,272.31	3,644.55	1,147.89	1,057.30	90.59	12.671		
7,000.00	6,012.67	6,729.44	5,284.79	67.44	85.28	32.20	1,295.17	3,708.95	1,164.09	1,071.72	92.37	12.603		
7,100.00	6,093.31	6,828.10	5,355.95	68.66	86.81	32.31	1,318.03	3,773.35	1,180.29	1,086.14	94.15	12.537		
7,200.00	6,173.95	6,926.75	5,427.10	69.89	88.33	32.41	1,340.90	3,837.75	1,196.49	1,100.57	95.93	12.473		
7,300.00	6,254.59	7,025.41	5,498.26	71.12	89.86	32.51	1,363.76	3,902.15	1,212.70	1,114.99	97.71	12.411		
7,400.00	6,335.23	7,124.07	5,569.41	72.35	91.38	32.60	1,386.63	3,966.55	1,228.91	1,129.42	99.49	12.352		
7,500.00	6,415.87	7,222.72	5,640.57	73.58	92.91	32.69	1,409.49	4,030.95	1,245.13	1,143.85	101.28	12.294		
7,600.00	6,496.51	7,321.38	5,711.73	74.81	94.43	32.79	1,432.35	4,095.34	1,261.35	1,158.28	103.07	12.238		
7,700.00	6,577.15	7,420.04	5,782.88	76.04	95.96	32.87	1,455.22	4,159.74	1,277.57	1,172.71	104.85	12.184		
7,800.00	6,657.79	7,518.69	5,854.04	77.27	97.49	32.96	1,478.08	4,224.14	1,293.79	1,187.15	106.64	12.132		
7,900.00	6,738.43	7,617.35	5,925.20	78.50	99.01	33.04	1,500.94	4,288.54	1,310.02	1,201.58	108.44	12.081		
8,000.00	6,819.07	7,716.01	5,996.35	79.73	100.54	33.13	1,523.81	4,352.94	1,326.25	1,216.02	110.23	12.032		
8,100.00	6,899.71	7,814.66	6,067.51	80.96	102.06	33.21	1,546.67	4,417.34	1,342.48	1,230.46	112.02	11.984		
8,200.00	6,980.35	7,913.32	6,138.66	82.18	103.59	33.28	1,569.54	4,481.74	1,358.71	1,244.90	113.82	11.938		
8,240.58	7,013.07	7,953.36	6,167.54	82.68	104.21	33.32	1,578.81	4,507.87	1,365.30	1,250.76	114.55	11.919		
8,250.00	7,020.68	7,962.65	6,174.24	82.80	104.35	32.28	1,580.97	4,513.94	1,366.82	1,252.11	114.71	11.915		
8,300.00	7,061.63	8,012.01	6,209.85	83.40	105.11	26.21	1,592.41	4,546.16	1,374.42	1,259.07	115.35	11.915		
8,350.00	7,103.23	8,061.12	6,245.27	83.97	105.87	19.29	1,603.79	4,578.22	1,381.25	1,265.62	115.63	11.946		
8,400.00	7,145.18	8,109.61	6,280.24	84.51	106.62	11.78	1,615.03	4,609.87	1,387.30	1,271.78	115.52	12.009		
8,450.00	7,187.16	8,157.11	6,314.50	85.01	107.36	4.02	1,626.04	4,640.87	1,392.63	1,277.59	115.04	12.106		
8,500.00	7,228.84	8,203.26	6,347.78	85.46	108.07	-3.64	1,636.73	4,671.00	1,397.33	1,283.14	114.20	12.236		
8,550.00	7,269.91	8,247.70	6,379.84	85.86	108.76	-10.90	1,647.03	4,700.01	1,401.52	1,288.52	113.00	12.403		
8,600.00	7,310.05	8,290.10	6,410.42	86.20	109.42	-17.56	1,656.86	4,727.68	1,405.34	1,293.86	111.48	12.606		
8,650.00	7,348.97	8,330.14	6,439.29	86.50	110.04	-23.54	1,666.13	4,753.82	1,408.97	1,299.30	109.67	12.847		
8,700.00	7,386.36	8,367.50	6,466.24	86.74	110.61	-28.79	1,674.79	4,778.21	1,412.60	1,304.98	107.62	13.126		
8,750.00	7,421.94	8,401.92	6,491.06	86.93	111.15	-33.34	1,682.77	4,800.67	1,416.42	1,311.04	105.38	13.441		
8,800.00	7,455.44	8,433.11	6,513.56	87.07	111.63	-37.20	1,690.00	4,821.03	1,420.62	1,317.61	103.01	13.791		
8,850.00	7,486.61	8,460.86	6,533.58	87.16	112.06	-40.43	1,696.43	4,839.14	1,425.39	1,324.79	100.60	14.168		
8,900.00	7,515.20	8,484.94	6,550.94	87.20	112.43	-43.03	1,702.01	4,854.86	1,430.89	1,332.66	98.24	14.566		
8,950.00	7,541.00	8,505.17	6,565.54	87.21	112.74	-45.05	1,706.70	4,868.07	1,437.27	1,341.27	96.00	14.971		
9,000.00	7,563.81	8,521.40	6,577.24	87.17	112.99	-46.49	1,710.46	4,878.66	1,444.61	1,350.63	93.98	15.371		
9,050.00	7,583.47	8,533.51	6,585.97	87.10	113.18	-47.38	1,713.26	4,886.57	1,453.00	1,360.74	92.26	15.748		
9,100.00	7,599.81	8,541.40	6,591.66	87.00	113.30	-47.73	1,715.09	4,891.72	1,462.46	1,371.54	90.91	16.086		
9,150.00	7,612.72	8,545.01	6,594.27	86.88	113.36	-47.56	1,715.93	4,894.07	1,472.95	1,382.97	89.98	16.370		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1N-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,622.09	8,544.31	6,593.77	86.72	113.35	-46.90	1,715.77	4,893.62	1,484.41	1,394.93	89.48	16.590		
9,250.00	7,627.87	8,539.32	6,590.17	86.55	113.27	-45.77	1,714.61	4,890.36	1,496.72	1,407.31	89.41	16.740		
9,303.98	7,630.00	8,529.15	6,582.83	86.35	113.11	-44.07	1,712.26	4,883.72	1,510.80	1,421.01	89.79	16.826		
9,400.00	7,630.00	8,506.69	6,566.63	85.99	112.77	-43.21	1,707.05	4,869.06	1,539.04	1,447.52	91.53	16.815		
9,500.00	7,630.00	8,483.29	6,549.75	85.62	112.40	-42.32	1,701.63	4,853.79	1,573.82	1,479.28	94.54	16.648		
9,600.00	7,630.00	8,459.90	6,532.88	85.28	112.04	-41.43	1,696.21	4,838.52	1,613.71	1,515.28	98.43	16.395		
9,700.00	7,630.00	8,436.50	6,516.01	84.95	111.68	-40.55	1,690.78	4,823.25	1,658.34	1,555.46	102.88	16.119		
9,800.00	7,630.00	8,413.11	6,499.14	84.64	111.32	-39.67	1,685.36	4,807.98	1,707.35	1,599.73	107.62	15.865		
9,900.00	7,630.00	8,389.71	6,482.26	84.34	110.96	-38.79	1,679.94	4,792.70	1,760.38	1,647.93	112.44	15.656		
10,000.00	7,630.00	8,366.32	6,465.39	84.06	110.59	-37.92	1,674.52	4,777.43	1,817.06	1,699.86	117.19	15.505		
10,100.00	7,630.00	8,342.93	6,448.52	83.80	110.23	-37.05	1,669.10	4,762.16	1,877.06	1,755.28	121.78	15.414		
10,200.00	7,630.00	8,319.53	6,431.64	83.56	109.87	-36.19	1,663.68	4,746.89	1,940.09	1,813.95	126.14	15.381		
10,300.00	7,630.00	8,303.86	6,414.77	83.33	109.63	-35.33	1,658.25	4,731.62	2,005.85	1,875.55	130.30	15.394		
10,400.00	7,630.00	11,571.95	7,730.00	83.12	130.70	-92.82	209.54	5,915.63	2,052.10	1,961.61	90.48	22.679		
10,500.00	7,630.00	11,671.95	7,730.00	82.92	130.55	-92.82	109.54	5,915.29	2,052.10	1,961.30	90.80	22.601		
10,600.00	7,630.00	11,771.95	7,730.00	82.75	130.41	-92.82	9.54	5,914.95	2,052.09	1,960.84	91.25	22.489		
10,700.00	7,630.00	11,871.95	7,730.00	82.59	130.28	-92.82	-90.46	5,914.61	2,052.09	1,960.26	91.83	22.346		
10,800.00	7,630.00	11,971.95	7,730.00	82.45	130.16	-92.82	-190.46	5,914.28	2,052.09	1,959.54	92.55	22.173		
10,900.00	7,630.00	12,071.95	7,730.00	82.33	130.05	-92.82	-290.46	5,913.94	2,052.09	1,958.69	93.40	21.972		
11,000.00	7,630.00	12,171.95	7,730.00	82.22	129.95	-92.82	-390.46	5,913.60	2,052.09	1,957.72	94.37	21.746		
11,100.00	7,630.00	12,271.95	7,730.00	82.14	129.87	-92.82	-490.46	5,913.26	2,052.08	1,956.63	95.46	21.498		
11,200.00	7,630.00	12,371.95	7,730.00	82.08	129.79	-92.82	-590.46	5,912.92	2,052.08	1,955.42	96.66	21.229		
11,300.00	7,630.00	12,471.95	7,730.00	82.04	129.73	-92.82	-690.46	5,912.59	2,052.08	1,954.10	97.98	20.943		
11,400.00	7,630.00	12,571.95	7,730.00	82.02	129.68	-92.82	-790.46	5,912.25	2,052.08	1,952.67	99.41	20.642		
11,500.00	7,630.00	12,671.95	7,730.00	82.03	129.64	-92.82	-890.46	5,911.91	2,052.08	1,951.14	100.94	20.329		
11,600.00	7,630.00	12,771.95	7,730.00	82.06	129.61	-92.82	-990.46	5,911.57	2,052.08	1,949.50	102.57	20.006		
11,700.00	7,630.00	12,871.95	7,730.00	82.12	129.59	-92.82	-1,090.46	5,911.23	2,052.07	1,947.78	104.30	19.676		
11,800.00	7,630.00	12,971.95	7,730.00	82.21	129.59	-92.82	-1,190.46	5,910.90	2,052.07	1,945.96	106.11	19.339		
11,900.00	7,630.00	13,071.95	7,730.00	82.33	129.59	-92.82	-1,290.46	5,910.56	2,052.07	1,944.06	108.01	18.999		
12,000.00	7,630.00	13,171.95	7,730.00	82.48	129.62	-92.82	-1,390.46	5,910.22	2,052.07	1,942.08	109.99	18.658		
12,100.00	7,630.00	13,271.95	7,730.00	82.66	129.65	-92.82	-1,490.45	5,909.88	2,052.07	1,940.03	112.04	18.315		
12,200.00	7,630.00	13,371.95	7,730.00	82.88	129.70	-92.82	-1,590.45	5,909.55	2,052.06	1,937.90	114.17	17.974		
12,300.00	7,630.00	13,471.95	7,730.00	83.14	129.76	-92.82	-1,690.45	5,909.21	2,052.06	1,935.70	116.36	17.635		
12,400.00	7,630.00	13,571.95	7,730.00	83.44	129.84	-92.82	-1,790.45	5,908.87	2,052.06	1,933.44	118.62	17.299		
12,500.00	7,630.00	13,671.95	7,730.00	83.79	129.93	-92.82	-1,890.45	5,908.53	2,052.06	1,931.12	120.94	16.967		
12,600.00	7,630.00	13,771.95	7,730.00	84.18	130.03	-92.82	-1,990.45	5,908.19	2,052.06	1,928.74	123.32	16.640		
12,700.00	7,630.00	13,871.95	7,730.00	84.61	130.16	-92.82	-2,090.45	5,907.86	2,052.06	1,926.31	125.75	16.319		
12,800.00	7,630.00	13,971.95	7,730.00	85.10	130.29	-92.82	-2,190.45	5,907.52	2,052.05	1,923.82	128.23	16.003		
12,900.00	7,630.00	14,071.95	7,730.00	85.64	130.45	-92.82	-2,290.45	5,907.18	2,052.05	1,921.29	130.76	15.693		
13,000.00	7,630.00	14,171.95	7,730.00	86.22	130.62	-92.82	-2,390.45	5,906.84	2,052.05	1,918.71	133.34	15.390		
13,100.00	7,630.00	14,271.95	7,730.00	86.86	130.80	-92.82	-2,490.45	5,906.50	2,052.05	1,916.09	135.96	15.094		
13,200.00	7,630.00	14,371.95	7,730.00	87.56	131.01	-92.82	-2,590.45	5,906.17	2,052.05	1,913.43	138.61	14.804		
13,300.00	7,630.00	14,471.95	7,730.00	88.30	131.23	-92.82	-2,690.45	5,905.83	2,052.05	1,910.73	141.31	14.521		
13,400.00	7,630.00	14,571.95	7,730.00	89.10	131.48	-92.82	-2,790.45	5,905.49	2,052.04	1,908.00	144.04	14.246		
13,500.00	7,630.00	14,671.95	7,730.00	89.94	131.74	-92.82	-2,890.45	5,905.15	2,052.04	1,905.23	146.81	13.977		
13,600.00	7,630.00	14,771.95	7,730.00	90.84	132.02	-92.82	-2,990.45	5,904.82	2,052.04	1,902.43	149.61	13.716		
13,700.00	7,630.00	14,871.95	7,730.00	91.78	132.33	-92.82	-3,090.45	5,904.48	2,052.04	1,899.60	152.44	13.461		
13,800.00	7,630.00	14,971.95	7,730.00	92.77	132.65	-92.82	-3,190.45	5,904.14	2,052.04	1,896.74	155.30	13.214		
13,900.00	7,630.00	15,071.95	7,730.00	93.79	133.00	-92.82	-3,290.44	5,903.80	2,052.03	1,893.85	158.18	12.973		
14,000.00	7,630.00	15,171.95	7,730.00	94.86	133.37	-92.82	-3,390.44	5,903.46	2,052.03	1,890.94	161.09	12.738		
14,100.00	7,630.00	15,271.95	7,730.00	95.97	133.77	-92.82	-3,490.44	5,903.13	2,052.03	1,888.00	164.03	12.510		
14,200.00	7,630.00	15,371.95	7,730.00	97.11	134.19	-92.82	-3,590.44	5,902.79	2,052.03	1,885.04	166.98	12.289		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST 1N-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,630.00	15,471.95	7,730.00	98.28	134.63	-92.82	-3,690.44	5,902.45	2,052.03	1,882.06	169.96	12.073		
14,400.00	7,630.00	15,571.95	7,730.00	99.48	135.09	-92.82	-3,790.44	5,902.11	2,052.03	1,879.06	172.97	11.864		
14,500.00	7,630.00	15,671.95	7,730.00	100.72	135.59	-92.82	-3,890.44	5,901.77	2,052.02	1,876.04	175.99	11.660		
14,600.00	7,630.00	15,771.95	7,730.00	101.97	136.11	-92.82	-3,990.44	5,901.44	2,052.02	1,873.00	179.02	11.462		
14,700.00	7,630.00	15,871.95	7,730.00	103.26	136.65	-92.82	-4,090.44	5,901.10	2,052.02	1,869.94	182.08	11.270		
14,800.00	7,630.00	15,971.95	7,730.00	104.56	137.22	-92.82	-4,190.44	5,900.76	2,052.02	1,866.86	185.15	11.083		
14,900.00	7,630.00	16,071.95	7,730.00	105.89	137.82	-92.82	-4,290.44	5,900.42	2,052.02	1,863.77	188.24	10.901		
15,000.00	7,630.00	16,171.95	7,730.00	107.24	138.45	-92.82	-4,390.44	5,900.09	2,052.01	1,860.67	191.35	10.724		
15,100.00	7,630.00	16,271.95	7,730.00	108.60	139.11	-92.82	-4,490.44	5,899.75	2,052.01	1,857.55	194.47	10.552		
15,200.00	7,630.00	16,371.95	7,730.00	109.98	139.79	-92.82	-4,590.44	5,899.41	2,052.01	1,854.41	197.60	10.385		
15,300.00	7,630.00	16,471.95	7,730.00	111.38	140.50	-92.82	-4,690.44	5,899.07	2,052.01	1,851.26	200.75	10.222		
15,400.00	7,630.00	16,571.95	7,730.00	112.79	141.24	-92.82	-4,790.44	5,898.73	2,052.01	1,848.10	203.90	10.064		
15,500.00	7,630.00	16,671.95	7,730.00	114.22	142.00	-92.82	-4,890.44	5,898.40	2,052.01	1,844.93	207.08	9.909		
15,600.00	7,630.00	16,771.95	7,730.00	115.66	142.80	-92.82	-4,990.43	5,898.06	2,052.00	1,841.75	210.26	9.759		
15,700.00	7,630.00	16,871.95	7,730.00	117.11	143.62	-92.82	-5,090.43	5,897.72	2,052.00	1,838.55	213.45	9.613		
15,800.00	7,630.00	16,971.95	7,730.00	118.57	144.47	-92.82	-5,190.43	5,897.38	2,052.00	1,835.35	216.65	9.471		
15,900.00	7,630.00	17,071.95	7,730.00	120.05	145.34	-92.82	-5,290.43	5,897.04	2,052.00	1,832.13	219.87	9.333		
16,000.00	7,630.00	17,171.95	7,730.00	121.53	146.25	-92.82	-5,390.43	5,896.71	2,052.00	1,828.91	223.09	9.198		
16,100.00	7,630.00	17,271.95	7,730.00	123.03	147.18	-92.82	-5,490.43	5,896.37	2,051.99	1,825.67	226.32	9.067		
16,200.00	7,630.00	17,371.95	7,730.00	124.53	148.13	-92.82	-5,590.43	5,896.03	2,051.99	1,822.43	229.56	8.939		
16,300.00	7,630.00	17,471.95	7,730.00	126.04	149.11	-92.82	-5,690.43	5,895.69	2,051.99	1,819.18	232.81	8.814		
16,400.00	7,630.00	17,571.95	7,730.00	127.56	150.12	-92.82	-5,790.43	5,895.36	2,051.99	1,815.92	236.07	8.692		
16,500.00	7,630.00	17,671.95	7,730.00	129.09	151.14	-92.82	-5,890.43	5,895.02	2,051.99	1,812.65	239.34	8.574		
16,600.00	7,630.00	17,771.95	7,730.00	130.62	152.20	-92.82	-5,990.43	5,894.68	2,051.99	1,809.38	242.61	8.458		
16,700.00	7,630.00	17,871.95	7,730.00	132.16	153.27	-92.82	-6,090.43	5,894.34	2,051.98	1,806.09	245.89	8.345		
16,800.00	7,630.00	17,971.95	7,730.00	133.71	154.37	-92.82	-6,190.43	5,894.00	2,051.98	1,802.81	249.18	8.235		
16,900.00	7,630.00	18,071.95	7,730.00	135.27	155.49	-92.82	-6,290.43	5,893.67	2,051.98	1,799.51	252.47	8.128		
17,000.00	7,630.00	18,171.95	7,730.00	136.83	156.62	-92.82	-6,390.43	5,893.33	2,051.98	1,796.21	255.77	8.023		
17,100.00	7,630.00	18,271.95	7,730.00	138.39	157.78	-92.82	-6,490.43	5,892.99	2,051.98	1,792.90	259.08	7.920		
17,200.00	7,630.00	18,371.95	7,730.00	139.97	158.96	-92.82	-6,590.43	5,892.65	2,051.97	1,789.59	262.39	7.820		
17,300.00	7,630.00	18,471.95	7,730.00	141.54	160.16	-92.82	-6,690.43	5,892.31	2,051.97	1,786.27	265.70	7.723		
17,400.00	7,630.00	18,571.95	7,730.00	143.12	161.37	-92.82	-6,790.42	5,891.98	2,051.97	1,782.94	269.03	7.627		
17,500.00	7,630.00	18,671.95	7,730.00	144.71	162.61	-92.82	-6,890.42	5,891.64	2,051.97	1,779.61	272.36	7.534		
17,600.00	7,630.00	18,771.95	7,730.00	146.30	163.86	-92.82	-6,990.42	5,891.30	2,051.97	1,776.28	275.69	7.443		
17,700.00	7,630.00	18,871.95	7,730.00	147.90	165.12	-92.82	-7,090.42	5,890.96	2,051.97	1,772.94	279.03	7.354		
17,800.00	7,630.00	18,971.95	7,730.00	149.50	166.40	-92.82	-7,190.42	5,890.63	2,051.96	1,769.59	282.37	7.267		
17,900.00	7,630.00	19,071.95	7,730.00	151.10	167.70	-92.82	-7,290.42	5,890.29	2,051.96	1,766.25	285.72	7.182		
18,000.00	7,630.00	19,171.95	7,730.00	152.71	169.01	-92.82	-7,390.42	5,889.95	2,051.96	1,762.89	289.07	7.099		
18,100.00	7,630.00	19,271.95	7,730.00	154.32	170.33	-92.82	-7,490.42	5,889.61	2,051.96	1,759.53	292.42	7.017		
18,200.00	7,630.00	19,371.95	7,730.00	155.94	171.67	-92.82	-7,590.42	5,889.27	2,051.96	1,756.17	295.78	6.937		
18,300.00	7,630.00	19,471.95	7,730.00	157.56	173.02	-92.82	-7,690.42	5,888.94	2,051.95	1,752.81	299.15	6.859		
18,400.00	7,630.00	19,571.95	7,730.00	159.18	174.38	-92.82	-7,790.42	5,888.60	2,051.95	1,749.44	302.51	6.783		
18,500.00	7,630.00	19,671.95	7,730.00	160.80	175.75	-92.82	-7,890.42	5,888.26	2,051.95	1,746.07	305.89	6.708		
18,600.00	7,630.00	19,771.95	7,730.00	162.43	177.13	-92.82	-7,990.42	5,887.92	2,051.95	1,742.69	309.26	6.635		
18,700.00	7,630.00	19,871.95	7,730.00	164.06	178.53	-92.82	-8,090.42	5,887.58	2,051.95	1,739.31	312.64	6.563		
18,800.00	7,630.00	19,971.95	7,730.00	165.70	179.93	-92.82	-8,190.42	5,887.25	2,051.95	1,735.93	316.02	6.493		
18,900.00	7,630.00	20,071.95	7,730.00	167.33	181.35	-92.82	-8,290.42	5,886.91	2,051.94	1,732.54	319.41	6.424		
19,000.00	7,630.00	20,171.95	7,730.00	168.97	182.77	-92.82	-8,390.42	5,886.57	2,051.94	1,729.15	322.79	6.357		
19,020.72	7,630.00	20,192.67	7,730.00	169.31	183.07	-92.82	-8,411.13	5,886.50	2,051.94	1,728.45	323.49	6.343		
19,021.79	7,630.00	20,184.95	7,730.00	169.33	182.96	-92.82	-8,403.42	5,886.53	2,051.96	1,728.12	323.84	6.336 SF		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST FED 1A-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	1.00	1.00	0.00	0.00	-89.41	0.73	-70.28	70.28					
100.00	100.00	101.00	101.00	0.13	0.14	-89.41	0.73	-70.28	70.28	70.01	0.27	257.983		
200.00	200.00	201.00	201.00	0.49	0.50	-89.41	0.73	-70.28	70.28	69.30	0.99	71.039		
300.00	300.00	301.00	301.00	0.85	0.85	-89.41	0.73	-70.28	70.28	68.58	1.71	41.191		
400.00	400.00	401.00	401.00	1.21	1.21	-89.41	0.73	-70.28	70.28	67.86	2.42	29.004		
500.00	500.00	501.00	501.00	1.57	1.57	-89.41	0.73	-70.28	70.28	67.14	3.14	22.382		
600.00	600.00	601.00	601.00	1.93	1.93	-89.41	0.73	-70.28	70.28	66.43	3.86	18.222		
700.00	700.00	701.00	701.00	2.29	2.29	-89.41	0.73	-70.28	70.28	65.71	4.57	15.366	CC, ES	
800.00	799.98	800.98	800.98	2.64	2.65	-151.85	0.73	-70.28	71.82	66.53	5.29	13.585		
900.00	899.84	900.84	900.84	2.99	3.01	-153.66	0.73	-70.28	76.47	70.48	6.00	12.751		
1,000.00	999.45	1,000.45	1,000.45	3.35	3.36	-156.22	0.73	-70.28	84.38	77.67	6.71	12.575		
1,100.00	1,098.70	1,100.30	1,099.70	3.73	3.72	-159.08	0.73	-70.28	95.66	88.24	7.43	12.882		
1,200.00	1,197.47	1,201.53	1,198.47	4.11	4.08	-161.88	0.73	-70.28	110.43	102.28	8.15	13.550		
1,300.00	1,295.62	1,303.38	1,296.62	4.53	4.45	-164.42	0.73	-70.28	128.72	119.85	8.88	14.500		
1,400.00	1,393.06	1,394.06	1,394.06	4.97	4.77	-166.61	0.73	-70.28	150.54	140.97	9.57	15.734		
1,500.00	1,489.64	1,495.40	1,495.38	5.44	5.14	-168.24	1.98	-69.31	174.62	164.33	10.30	16.960		
1,600.00	1,585.27	1,597.75	1,597.59	5.95	5.50	-169.06	6.12	-66.10	199.29	188.26	11.03	18.072		
1,700.00	1,679.82	1,700.82	1,700.27	6.51	5.87	-169.31	13.20	-60.61	224.44	212.68	11.76	19.080		
1,800.00	1,773.17	1,804.60	1,803.26	7.13	6.25	-169.15	23.26	-52.80	250.02	237.52	12.51	19.992		
1,900.00	1,865.21	1,909.06	1,906.39	7.79	6.64	-168.70	36.37	-42.63	276.02	262.76	13.26	20.814		
2,000.00	1,955.84	2,014.19	2,009.50	8.51	7.04	-168.02	52.55	-30.08	302.43	288.40	14.03	21.553		
2,100.00	2,044.94	2,119.96	2,112.41	9.30	7.48	-167.16	71.83	-15.11	329.26	314.43	14.83	22.206		
2,200.00	2,132.39	2,226.36	2,214.95	10.15	7.94	-166.17	94.24	2.27	356.52	340.87	15.65	22.776		
2,300.00	2,218.11	2,333.35	2,316.93	11.07	8.45	-165.06	119.80	22.10	384.24	367.72	16.52	23.259		
2,400.00	2,301.97	2,440.92	2,418.17	12.06	8.99	-163.87	148.50	44.37	412.43	394.99	17.44	23.650		
2,500.00	2,383.88	2,549.05	2,518.49	13.11	9.59	-162.60	180.37	69.10	441.10	422.68	18.42	23.946		
2,512.74	2,394.17	2,562.86	2,531.19	13.25	9.67	-162.43	184.65	72.42	444.79	426.24	18.55	23.975		
2,600.00	2,464.54	2,658.06	2,618.01	14.22	10.24	-161.38	215.49	96.35	469.08	449.60	19.48	24.084		
2,700.00	2,545.18	2,754.36	2,705.14	15.35	10.85	-160.30	247.90	121.50	495.76	475.17	20.60	24.072		
2,800.00	2,625.82	2,850.34	2,791.97	16.50	11.48	-159.34	280.21	146.56	522.59	500.84	21.75	24.025		
2,900.00	2,706.45	2,946.31	2,878.80	17.65	12.13	-158.46	312.51	171.62	549.55	526.61	22.94	23.951		
3,000.00	2,787.09	3,042.29	2,965.63	18.82	12.80	-157.67	344.81	196.68	576.62	552.45	24.17	23.858		
3,100.00	2,867.73	3,138.26	3,052.46	19.99	13.48	-156.95	377.11	221.74	603.78	578.35	25.42	23.750		
3,200.00	2,948.37	3,234.24	3,139.29	21.17	14.17	-156.29	409.41	246.81	631.02	604.31	26.70	23.633		
3,300.00	3,029.01	3,330.21	3,226.13	22.36	14.87	-155.69	441.72	271.87	658.33	630.33	28.00	23.511		
3,400.00	3,109.65	3,426.19	3,312.96	23.55	15.57	-155.13	474.02	296.93	685.70	656.38	29.32	23.385		
3,500.00	3,190.29	3,522.16	3,399.79	24.74	16.29	-154.62	506.32	321.99	713.13	682.47	30.66	23.259		
3,600.00	3,270.93	3,618.13	3,486.62	25.94	17.01	-154.14	538.62	347.06	740.61	708.59	32.02	23.133		
3,700.00	3,351.57	3,714.11	3,573.45	27.14	17.73	-153.70	570.92	372.12	768.13	734.75	33.38	23.009		
3,800.00	3,432.21	3,810.08	3,660.28	28.35	18.46	-153.29	603.23	397.18	795.69	760.93	34.77	22.887		
3,900.00	3,512.85	3,906.06	3,747.11	29.56	19.20	-152.91	635.53	422.24	823.29	787.13	36.16	22.769		
4,000.00	3,593.49	4,002.03	3,833.94	30.76	19.93	-152.55	667.83	447.30	850.92	813.36	37.56	22.653		
4,100.00	3,674.13	4,098.01	3,920.77	31.97	20.68	-152.21	700.13	472.37	878.58	839.60	38.98	22.542		
4,200.00	3,754.77	4,206.02	4,007.60	33.19	21.51	-151.89	732.43	497.43	906.26	865.79	40.48	22.391		
4,300.00	3,835.41	4,289.96	4,094.43	34.40	22.17	-151.60	764.74	522.49	933.97	892.14	41.83	22.330		
4,400.00	3,916.05	4,385.93	4,181.27	35.62	22.92	-151.32	797.04	547.55	961.70	918.44	43.26	22.229		
4,500.00	3,996.69	4,481.91	4,268.10	36.83	23.67	-151.05	829.34	572.62	989.45	944.75	44.71	22.133		
4,600.00	4,077.33	4,577.88	4,354.93	38.05	24.42	-150.80	861.64	597.68	1,017.22	971.07	46.15	22.040		
4,700.00	4,157.96	4,673.86	4,441.76	39.27	25.18	-150.56	893.94	622.74	1,045.01	997.40	47.61	21.950		
4,800.00	4,238.60	4,769.83	4,528.59	40.49	25.94	-150.34	926.25	647.80	1,072.81	1,023.74	49.07	21.864		
4,900.00	4,319.24	4,865.81	4,615.42	41.71	26.70	-150.13	958.55	672.86	1,100.63	1,050.10	50.53	21.781		
5,000.00	4,399.88	4,961.78	4,702.25	42.93	27.46	-149.92	990.85	697.93	1,128.46	1,076.46	52.00	21.701		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST FED 1A-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,480.52	5,057.75	4,789.08	44.15	28.22	-149.73	1,023.15	722.99	1,156.30	1,102.83	53.47	21.625		
5,200.00	4,561.16	5,153.73	4,875.91	45.37	28.98	-149.55	1,055.45	748.05	1,184.15	1,129.21	54.95	21.551		
5,300.00	4,641.80	5,249.70	4,962.74	46.59	29.74	-149.37	1,087.76	773.11	1,212.02	1,155.59	56.42	21.480		
5,400.00	4,722.44	5,345.68	5,049.57	47.82	30.51	-149.20	1,120.06	798.18	1,239.89	1,181.98	57.91	21.412		
5,500.00	4,803.08	5,441.65	5,136.41	49.04	31.28	-149.04	1,152.36	823.24	1,267.78	1,208.38	59.39	21.346		
5,600.00	4,883.72	5,537.63	5,223.24	50.27	32.04	-148.89	1,184.66	848.30	1,295.67	1,234.79	60.88	21.283		
5,700.00	4,964.36	5,633.60	5,310.07	51.49	32.81	-148.74	1,216.96	873.36	1,323.57	1,261.20	62.37	21.222		
5,800.00	5,045.00	5,729.58	5,396.90	52.71	33.58	-148.60	1,249.27	898.42	1,351.48	1,287.62	63.86	21.163		
5,900.00	5,125.64	5,825.55	5,483.73	53.94	34.35	-148.47	1,281.57	923.49	1,379.39	1,314.04	65.36	21.106		
6,000.00	5,206.28	5,921.53	5,570.56	55.17	35.12	-148.34	1,313.87	948.55	1,407.32	1,340.46	66.85	21.051		
6,100.00	5,286.92	6,017.50	5,657.39	56.39	35.89	-148.21	1,346.17	973.61	1,435.24	1,366.89	68.35	20.998		
6,200.00	5,367.56	6,113.48	5,744.22	57.62	36.66	-148.09	1,378.47	998.67	1,463.18	1,393.33	69.85	20.947		
6,300.00	5,448.20	6,209.45	5,831.05	58.84	37.43	-147.98	1,410.78	1,023.74	1,491.12	1,419.77	71.35	20.898		
6,400.00	5,528.84	6,305.43	5,917.88	60.07	38.20	-147.87	1,443.08	1,048.80	1,519.07	1,446.21	72.86	20.850		
6,500.00	5,609.47	6,401.40	6,004.71	61.30	38.97	-147.76	1,475.38	1,073.86	1,547.02	1,472.65	74.36	20.804		
6,600.00	5,690.11	6,502.63	6,091.54	62.53	39.79	-147.66	1,507.68	1,098.92	1,574.97	1,499.07	75.91	20.749		
6,700.00	5,770.75	6,593.35	6,178.38	63.75	40.52	-147.56	1,539.98	1,123.98	1,602.93	1,525.56	77.38	20.716		
6,800.00	5,851.39	6,689.32	6,265.21	64.98	41.29	-147.46	1,572.29	1,149.05	1,630.90	1,552.01	78.89	20.674		
6,900.00	5,932.03	6,785.30	6,352.04	66.21	42.07	-147.37	1,604.59	1,174.11	1,658.87	1,578.47	80.40	20.633		
7,000.00	6,012.67	6,881.27	6,438.87	67.44	42.84	-147.28	1,636.89	1,199.17	1,686.84	1,604.93	81.91	20.594		
7,100.00	6,093.31	6,977.25	6,525.70	68.66	43.62	-147.19	1,669.19	1,224.23	1,714.82	1,631.39	83.42	20.556		
7,200.00	6,173.95	7,073.22	6,612.53	69.89	44.39	-147.10	1,701.50	1,249.30	1,742.80	1,657.86	84.94	20.519		
7,300.00	6,254.59	7,169.20	6,699.36	71.12	45.17	-147.02	1,733.80	1,274.36	1,770.78	1,684.33	86.45	20.483		
7,400.00	6,335.23	7,265.17	6,786.19	72.35	45.94	-146.94	1,766.10	1,299.42	1,798.77	1,710.80	87.97	20.448		
7,500.00	6,415.87	7,361.15	6,873.02	73.58	46.72	-146.87	1,798.40	1,324.48	1,826.76	1,737.27	89.48	20.414		
7,600.00	6,496.51	7,481.89	6,984.54	74.81	47.60	-147.04	1,830.99	1,356.64	1,854.26	1,763.28	90.98	20.381		
7,700.00	6,577.15	7,603.53	7,100.97	76.04	48.22	-147.99	1,838.98	1,390.13	1,880.35	1,788.92	91.43	20.566		
7,800.00	6,657.79	7,709.62	7,201.91	77.27	48.50	-149.42	1,824.95	1,419.09	1,905.91	1,814.90	91.00	20.943		
7,900.00	6,738.43	7,797.24	7,282.25	78.50	48.56	-150.96	1,798.93	1,442.09	1,932.11	1,841.97	90.14	21.435		
8,000.00	6,819.07	7,867.72	7,343.54	79.73	48.52	-152.41	1,768.94	1,459.60	1,960.03	1,870.89	89.15	21.987		
8,100.00	6,899.71	7,924.06	7,389.69	80.96	48.43	-153.68	1,739.48	1,472.76	1,990.45	1,902.29	88.16	22.578		
8,200.00	6,980.35	7,969.31	7,424.61	82.18	48.32	-154.77	1,712.49	1,482.70	2,023.85	1,936.64	87.21	23.207		
8,240.58	7,013.07	7,985.11	7,436.31	82.68	48.28	-155.17	1,702.41	1,486.03	2,038.31	1,951.48	86.83	23.475		
8,250.00	7,020.68	7,988.64	7,438.88	82.80	48.27	-156.81	1,700.11	1,486.76	2,041.75	1,955.01	86.74	23.538		
8,300.00	7,061.63	8,007.76	7,452.60	83.40	48.21	-166.04	1,687.37	1,490.66	2,060.48	1,974.18	86.30	23.876		
8,350.00	7,103.23	8,027.46	7,466.30	83.97	48.14	-175.93	1,673.75	1,494.55	2,079.86	1,993.99	85.87	24.221		
8,400.00	7,145.18	8,050.00	7,481.41	84.51	48.07	173.76	1,657.59	1,498.84	2,099.67	2,014.26	85.41	24.583		
8,450.00	7,187.16	8,068.30	7,493.22	85.01	48.00	163.52	1,644.02	1,502.19	2,119.69	2,034.61	85.08	24.915		
8,500.00	7,228.84	8,089.32	7,506.26	85.46	47.91	153.57	1,627.96	1,505.88	2,139.70	2,054.99	84.71	25.259		
8,550.00	7,269.91	8,110.68	7,518.93	85.86	47.82	144.26	1,611.14	1,509.46	2,159.52	2,075.15	84.37	25.596		
8,600.00	7,310.05	8,132.34	7,531.15	86.20	47.73	135.76	1,593.59	1,512.92	2,178.94	2,094.89	84.05	25.924		
8,650.00	7,348.97	8,150.00	7,540.64	86.50	47.65	128.22	1,578.94	1,515.59	2,197.78	2,113.92	83.86	26.207		
8,700.00	7,386.36	8,176.43	7,554.01	86.74	47.52	121.46	1,556.46	1,519.36	2,215.87	2,132.37	83.50	26.539		
8,750.00	7,421.94	8,200.00	7,565.09	86.93	47.40	115.59	1,535.89	1,522.48	2,233.06	2,149.82	83.23	26.828		
8,800.00	7,455.44	8,221.39	7,574.43	87.07	47.29	110.53	1,516.83	1,525.10	2,249.19	2,166.12	83.07	27.077		
8,850.00	7,486.61	8,250.00	7,585.85	87.16	47.14	106.11	1,490.80	1,528.29	2,264.15	2,181.39	82.75	27.360		
8,900.00	7,515.20	8,267.03	7,592.04	87.20	47.05	102.43	1,475.03	1,530.02	2,277.77	2,194.99	82.78	27.514		
8,950.00	7,541.00	8,300.00	7,602.75	87.21	46.86	99.22	1,443.99	1,532.99	2,290.04	2,207.60	82.43	27.780		
9,000.00	7,563.81	8,313.20	7,606.55	87.17	46.79	96.64	1,431.39	1,534.04	2,300.71	2,218.04	82.67	27.831		
9,050.00	7,583.47	8,336.44	7,612.57	87.10	46.65	94.49	1,409.01	1,535.69	2,309.83	2,227.16	82.67	27.940		
9,100.00	7,599.81	8,350.00	7,615.67	87.00	46.58	92.81	1,395.84	1,536.54	2,317.34	2,234.34	83.00	27.920		
9,150.00	7,612.72	8,383.15	7,621.99	86.88	46.38	91.50	1,363.34	1,538.24	2,323.06	2,240.23	82.82	28.049		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST FED 1A-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,622.09	8,400.00	7,624.51	86.72	46.28	90.61	1,346.70	1,538.91	2,327.08	2,243.92	83.16	27.984		
9,250.00	7,627.87	8,430.06	7,627.83	86.55	46.10	90.09	1,316.84	1,539.76	2,329.28	2,246.13	83.15	28.013		
9,303.98	7,630.00	8,450.00	7,629.19	86.35	45.98	89.96	1,296.95	1,540.09	2,329.68	2,246.11	83.56	27.880		
9,356.49	7,630.00	8,482.88	7,630.00	86.15	45.78	89.98	1,267.84	1,540.22	2,329.33	2,245.65	83.68	27.837		
9,400.00	7,630.00	8,522.62	7,630.00	85.99	45.55	89.98	1,224.34	1,540.08	2,329.33	2,246.10	83.23	27.988		
9,500.00	7,630.00	8,622.62	7,630.00	85.62	44.98	89.98	1,124.34	1,539.74	2,329.33	2,247.08	82.25	28.320		
9,600.00	7,630.00	8,722.62	7,630.00	85.28	44.45	89.98	1,024.34	1,539.40	2,329.33	2,247.92	81.41	28.611		
9,700.00	7,630.00	8,822.62	7,630.00	84.95	43.94	89.98	924.34	1,539.06	2,329.33	2,248.61	80.73	28.855		
9,800.00	7,630.00	8,922.62	7,630.00	84.64	43.47	89.98	824.34	1,538.72	2,329.34	2,249.15	80.19	29.048		
9,900.00	7,630.00	9,022.62	7,630.00	84.34	43.03	89.98	724.34	1,538.38	2,329.34	2,249.53	79.81	29.187		
10,000.00	7,630.00	9,122.62	7,630.00	84.06	42.61	89.98	624.34	1,538.04	2,329.34	2,249.76	79.58	29.269		
10,100.00	7,630.00	9,222.62	7,630.00	83.80	42.22	89.98	524.34	1,537.71	2,329.34	2,249.83	79.51	29.295		
10,200.00	7,630.00	9,322.62	7,630.00	83.56	41.86	89.98	424.34	1,537.37	2,329.35	2,249.74	79.60	29.261		
10,300.00	7,630.00	9,422.62	7,630.00	83.33	41.51	89.98	324.34	1,537.03	2,329.35	2,249.50	79.85	29.171		
10,400.00	7,630.00	9,522.62	7,630.00	83.12	41.19	89.98	224.34	1,536.69	2,329.35	2,249.10	80.25	29.024		
10,500.00	7,630.00	9,622.62	7,630.00	82.92	40.89	89.98	124.34	1,536.35	2,329.35	2,248.54	80.81	28.825		
10,600.00	7,630.00	9,722.62	7,630.00	82.75	40.61	89.98	24.34	1,536.01	2,329.36	2,247.84	81.52	28.575		
10,700.00	7,630.00	9,822.62	7,630.00	82.59	40.35	89.98	-75.66	1,535.68	2,329.36	2,246.99	82.37	28.279		
10,800.00	7,630.00	9,922.62	7,630.00	82.45	40.11	89.98	-175.66	1,535.34	2,329.36	2,246.00	83.36	27.942		
10,900.00	7,630.00	10,022.62	7,630.00	82.33	39.88	89.98	-275.65	1,535.00	2,329.36	2,244.87	84.49	27.569		
11,000.00	7,630.00	10,122.62	7,630.00	82.22	40.23	89.98	-375.65	1,534.66	2,329.36	2,243.61	85.75	27.163		
11,100.00	7,630.00	10,222.62	7,630.00	82.14	41.16	89.98	-475.65	1,534.32	2,329.37	2,242.23	87.14	26.731		
11,200.00	7,630.00	10,322.62	7,630.00	82.08	42.17	89.98	-575.65	1,533.98	2,329.37	2,240.72	88.64	26.278		
11,300.00	7,630.00	10,422.62	7,630.00	82.04	43.22	89.98	-675.65	1,533.65	2,329.37	2,239.11	90.26	25.807		
11,400.00	7,630.00	10,522.62	7,630.00	82.02	44.31	89.98	-775.65	1,533.31	2,329.37	2,237.39	91.99	25.323		
11,500.00	7,630.00	10,622.62	7,630.00	82.03	45.43	89.98	-875.65	1,532.97	2,329.38	2,235.56	93.81	24.830		
11,600.00	7,630.00	10,722.62	7,630.00	82.06	46.58	89.98	-975.65	1,532.63	2,329.38	2,233.64	95.74	24.331		
11,700.00	7,630.00	10,822.62	7,630.00	82.12	47.77	89.98	-1,075.65	1,532.29	2,329.38	2,231.63	97.75	23.831		
11,800.00	7,630.00	10,922.62	7,630.00	82.21	48.98	89.98	-1,175.65	1,531.95	2,329.38	2,229.54	99.84	23.331		
11,900.00	7,630.00	11,022.62	7,630.00	82.33	50.22	89.98	-1,275.65	1,531.62	2,329.39	2,227.37	102.02	22.833		
12,000.00	7,630.00	11,122.62	7,630.00	82.48	51.49	89.98	-1,375.65	1,531.28	2,329.39	2,225.12	104.27	22.341		
12,100.00	7,630.00	11,222.62	7,630.00	82.66	52.78	89.98	-1,475.65	1,530.94	2,329.39	2,222.81	106.58	21.855		
12,200.00	7,630.00	11,322.62	7,630.00	82.88	54.09	89.98	-1,575.65	1,530.60	2,329.39	2,220.43	108.97	21.377		
12,300.00	7,630.00	11,422.62	7,630.00	83.14	55.42	89.98	-1,675.65	1,530.26	2,329.39	2,217.98	111.41	20.908		
12,400.00	7,630.00	11,522.62	7,630.00	83.44	56.77	89.98	-1,775.65	1,529.92	2,329.40	2,215.49	113.91	20.449		
12,500.00	7,630.00	11,622.62	7,630.00	83.79	58.15	89.98	-1,875.65	1,529.59	2,329.40	2,212.93	116.47	20.001		
12,600.00	7,630.00	11,722.62	7,630.00	84.18	59.54	89.98	-1,975.64	1,529.25	2,329.40	2,210.33	119.07	19.563		
12,700.00	7,630.00	11,822.62	7,630.00	84.61	60.94	89.98	-2,075.64	1,528.91	2,329.40	2,207.68	121.72	19.137		
12,800.00	7,630.00	11,922.62	7,630.00	85.10	62.37	89.98	-2,175.64	1,528.57	2,329.41	2,204.99	124.41	18.723		
12,900.00	7,630.00	12,022.62	7,630.00	85.64	63.81	89.98	-2,275.64	1,528.23	2,329.41	2,202.26	127.15	18.320		
13,000.00	7,630.00	12,122.62	7,630.00	86.22	65.26	89.98	-2,375.64	1,527.89	2,329.41	2,199.49	129.92	17.929		
13,100.00	7,630.00	12,222.62	7,630.00	86.86	66.72	89.98	-2,475.64	1,527.56	2,329.41	2,196.68	132.73	17.550		
13,200.00	7,630.00	12,322.62	7,630.00	87.56	68.20	89.98	-2,575.64	1,527.22	2,329.42	2,193.84	135.58	17.181		
13,300.00	7,630.00	12,422.62	7,630.00	88.30	69.69	89.98	-2,675.64	1,526.88	2,329.42	2,190.97	138.45	16.825		
13,400.00	7,630.00	12,522.62	7,630.00	89.10	71.19	89.98	-2,775.64	1,526.54	2,329.42	2,188.06	141.36	16.479		
13,500.00	7,630.00	12,622.62	7,630.00	89.94	72.70	89.98	-2,875.64	1,526.20	2,329.42	2,185.13	144.29	16.144		
13,600.00	7,630.00	12,722.62	7,630.00	90.84	74.23	89.98	-2,975.64	1,525.86	2,329.43	2,182.17	147.25	15.819		
13,700.00	7,630.00	12,822.62	7,630.00	91.78	75.76	89.98	-3,075.64	1,525.52	2,329.43	2,179.19	150.23	15.505		
13,800.00	7,630.00	12,922.62	7,630.00	92.77	77.30	89.98	-3,175.64	1,525.19	2,329.43	2,176.19	153.24	15.201		
13,900.00	7,630.00	13,022.62	7,630.00	93.79	78.85	89.98	-3,275.64	1,524.85	2,329.43	2,173.16	156.27	14.906		
14,000.00	7,630.00	13,122.62	7,630.00	94.86	80.40	89.98	-3,375.64	1,524.51	2,329.43	2,170.11	159.32	14.621		
14,100.00	7,630.00	13,222.62	7,630.00	95.97	81.97	89.98	-3,475.64	1,524.17	2,329.44	2,167.04	162.39	14.345		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - COSSLETT EAST FED 1A-22H-H168 - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,630.00	13,322.62	7,630.00	97.11	83.54	89.98	-3,575.64	1,523.83	2,329.44	2,163.96	165.48	14.077		
14,300.00	7,630.00	13,422.62	7,630.00	98.28	85.12	89.98	-3,675.64	1,523.49	2,329.44	2,160.86	168.59	13.817		
14,400.00	7,630.00	13,522.62	7,630.00	99.48	86.70	89.98	-3,775.63	1,523.16	2,329.44	2,157.73	171.71	13.566		
14,500.00	7,630.00	13,622.62	7,630.00	100.72	88.30	89.98	-3,875.63	1,522.82	2,329.45	2,154.60	174.85	13.323		
14,600.00	7,630.00	13,722.62	7,630.00	101.97	89.89	89.98	-3,975.63	1,522.48	2,329.45	2,151.45	178.00	13.087		
14,700.00	7,630.00	13,822.62	7,630.00	103.26	91.50	89.98	-4,075.63	1,522.14	2,329.45	2,148.28	181.17	12.858		
14,800.00	7,630.00	13,922.62	7,630.00	104.56	93.11	89.98	-4,175.63	1,521.80	2,329.45	2,145.11	184.35	12.636		
14,900.00	7,630.00	14,022.62	7,630.00	105.89	94.72	89.98	-4,275.63	1,521.46	2,329.46	2,141.92	187.54	12.421		
15,000.00	7,630.00	14,122.62	7,630.00	107.24	96.34	89.98	-4,375.63	1,521.13	2,329.46	2,138.71	190.74	12.212		
15,100.00	7,630.00	14,222.62	7,630.00	108.60	97.96	89.98	-4,475.63	1,520.79	2,329.46	2,135.50	193.96	12.010		
15,200.00	7,630.00	14,322.62	7,630.00	109.98	99.59	89.98	-4,575.63	1,520.45	2,329.46	2,132.27	197.19	11.813		
15,300.00	7,630.00	14,422.62	7,630.00	111.38	101.22	89.98	-4,675.63	1,520.11	2,329.46	2,129.04	200.43	11.623		
15,400.00	7,630.00	14,522.62	7,630.00	112.79	102.86	89.98	-4,775.63	1,519.77	2,329.47	2,125.79	203.67	11.437		
15,500.00	7,630.00	14,622.62	7,630.00	114.22	104.50	89.98	-4,875.63	1,519.43	2,329.47	2,122.54	206.93	11.257		
15,600.00	7,630.00	14,722.62	7,630.00	115.66	106.15	89.98	-4,975.63	1,519.10	2,329.47	2,119.28	210.20	11.082		
15,700.00	7,630.00	14,822.62	7,630.00	117.11	107.79	89.98	-5,075.63	1,518.76	2,329.47	2,116.00	213.47	10.912		
15,800.00	7,630.00	14,922.62	7,630.00	118.57	109.44	89.98	-5,175.63	1,518.42	2,329.48	2,112.72	216.75	10.747		
15,900.00	7,630.00	15,022.62	7,630.00	120.05	111.10	89.98	-5,275.63	1,518.08	2,329.48	2,109.44	220.04	10.586		
16,000.00	7,630.00	15,122.62	7,630.00	121.53	112.76	89.98	-5,375.63	1,517.74	2,329.48	2,106.14	223.34	10.430		
16,100.00	7,630.00	15,222.62	7,630.00	123.03	114.42	89.98	-5,475.62	1,517.40	2,329.48	2,102.84	226.65	10.278		
16,200.00	7,630.00	15,322.62	7,630.00	124.53	116.08	89.98	-5,575.62	1,517.07	2,329.49	2,099.53	229.96	10.130		
16,300.00	7,630.00	15,422.62	7,630.00	126.04	117.75	89.98	-5,675.62	1,516.73	2,329.49	2,096.21	233.28	9.986		
16,400.00	7,630.00	15,522.62	7,630.00	127.56	119.42	89.98	-5,775.62	1,516.39	2,329.49	2,092.89	236.60	9.846		
16,500.00	7,630.00	15,622.62	7,630.00	129.09	121.09	89.98	-5,875.62	1,516.05	2,329.49	2,089.56	239.93	9.709		
16,600.00	7,630.00	15,722.62	7,630.00	130.62	122.76	89.98	-5,975.62	1,515.71	2,329.49	2,086.23	243.27	9.576		
16,700.00	7,630.00	15,822.62	7,630.00	132.16	124.44	89.98	-6,075.62	1,515.37	2,329.50	2,082.89	246.61	9.446		
16,800.00	7,630.00	15,922.62	7,630.00	133.71	126.12	89.98	-6,175.62	1,515.03	2,329.50	2,079.54	249.96	9.320		
16,900.00	7,630.00	16,022.62	7,630.00	135.27	127.80	89.98	-6,275.62	1,514.70	2,329.50	2,076.19	253.31	9.196		
17,000.00	7,630.00	16,122.62	7,630.00	136.83	129.49	89.98	-6,375.62	1,514.36	2,329.50	2,072.84	256.67	9.076		
17,100.00	7,630.00	16,222.62	7,630.00	138.39	131.17	89.98	-6,475.62	1,514.02	2,329.51	2,069.48	260.03	8.959		
17,200.00	7,630.00	16,322.62	7,630.00	139.97	132.86	89.98	-6,575.62	1,513.68	2,329.51	2,066.12	263.39	8.844		
17,300.00	7,630.00	16,422.62	7,630.00	141.54	134.55	89.98	-6,675.62	1,513.34	2,329.51	2,062.75	266.76	8.732		
17,400.00	7,630.00	16,522.62	7,630.00	143.12	136.24	89.98	-6,775.62	1,513.00	2,329.51	2,059.37	270.14	8.623		
17,500.00	7,630.00	16,622.62	7,630.00	144.71	137.93	89.98	-6,875.62	1,512.67	2,329.52	2,056.00	273.52	8.517		
17,600.00	7,630.00	16,722.62	7,630.00	146.30	139.63	89.98	-6,975.62	1,512.33	2,329.52	2,052.62	276.90	8.413		
17,700.00	7,630.00	16,822.62	7,630.00	147.90	141.32	89.98	-7,075.62	1,511.99	2,329.52	2,049.23	280.29	8.311		
17,800.00	7,630.00	16,922.62	7,630.00	149.50	143.02	89.98	-7,175.62	1,511.65	2,329.52	2,045.85	283.68	8.212		
17,900.00	7,630.00	17,022.62	7,630.00	151.10	144.72	89.98	-7,275.61	1,511.31	2,329.53	2,042.45	287.07	8.115		
18,000.00	7,630.00	17,122.62	7,630.00	152.71	146.42	89.98	-7,375.61	1,510.97	2,329.53	2,039.06	290.47	8.020		
18,100.00	7,630.00	17,222.62	7,630.00	154.32	148.13	89.98	-7,475.61	1,510.64	2,329.53	2,035.66	293.87	7.927		
18,200.00	7,630.00	17,322.62	7,630.00	155.94	149.83	89.98	-7,575.61	1,510.30	2,329.53	2,032.26	297.27	7.836		
18,300.00	7,630.00	17,422.62	7,630.00	157.56	151.54	89.98	-7,675.61	1,509.96	2,329.53	2,028.86	300.68	7.748		
18,400.00	7,630.00	17,522.62	7,630.00	159.18	153.24	89.98	-7,775.61	1,509.62	2,329.54	2,025.45	304.09	7.661		
18,500.00	7,630.00	17,622.62	7,630.00	160.80	154.95	89.98	-7,875.61	1,509.28	2,329.54	2,022.04	307.50	7.576		
18,600.00	7,630.00	17,722.62	7,630.00	162.43	156.66	89.98	-7,975.61	1,508.94	2,329.54	2,018.63	310.91	7.493		
18,700.00	7,630.00	17,822.62	7,630.00	164.06	158.37	89.98	-8,075.61	1,508.61	2,329.54	2,015.21	314.33	7.411		
18,800.00	7,630.00	17,922.62	7,630.00	165.70	160.08	89.98	-8,175.61	1,508.27	2,329.55	2,011.79	317.75	7.331		
18,900.00	7,630.00	18,022.62	7,630.00	167.33	161.80	89.98	-8,275.61	1,507.93	2,329.55	2,008.37	321.17	7.253		
19,000.00	7,630.00	18,122.62	7,630.00	168.97	163.51	89.98	-8,375.61	1,507.59	2,329.55	2,004.95	324.60	7.177		
19,021.79	7,630.00	18,144.41	7,630.00	169.33	163.88	89.98	-8,397.40	1,507.52	2,329.55	2,004.21	325.34	7.160 SF		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COMO 13N-14HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	16,236.00	7,569.74	0.00	158.98	48.70	1,788.18	2,035.27	8,183.23					
100.00	100.00	16,236.00	7,569.74	0.13	158.98	48.70	1,788.18	2,035.27	8,088.93	8,009.52	79.41	101.859		
200.00	200.00	16,236.00	7,569.74	0.49	158.98	48.70	1,788.18	2,035.27	7,994.78	7,915.20	79.58	100.463		
300.00	300.00	16,236.00	7,569.74	0.85	158.98	48.70	1,788.18	2,035.27	7,900.77	7,821.01	79.76	99.054		
400.00	400.00	16,236.00	7,569.74	1.21	158.98	48.70	1,788.18	2,035.27	7,806.91	7,726.94	79.96	97.631		
500.00	500.00	16,236.00	7,569.74	1.57	158.98	48.70	1,788.18	2,035.27	7,713.20	7,633.02	80.18	96.197		
600.00	600.00	16,236.00	7,569.74	1.93	158.98	48.70	1,788.18	2,035.27	7,619.65	7,539.24	80.42	94.752		
700.00	700.00	16,236.00	7,569.74	2.29	158.98	48.70	1,788.18	2,035.27	7,526.27	7,445.60	80.67	93.298		
800.00	799.98	16,236.00	7,569.74	2.64	158.98	-14.37	1,788.18	2,035.27	7,432.46	7,351.52	80.94	91.830		
900.00	899.84	16,236.00	7,569.74	2.99	158.98	-15.93	1,788.18	2,035.27	7,337.68	7,256.47	81.20	90.363		
1,000.00	999.45	16,236.00	7,569.74	3.35	158.98	-17.84	1,788.18	2,035.27	7,242.00	7,160.55	81.45	88.913		
1,100.00	1,098.70	16,236.00	7,569.74	3.73	158.98	-20.24	1,788.18	2,035.27	7,145.50	7,063.82	81.68	87.485		
1,200.00	1,197.47	16,236.00	7,569.74	4.11	158.98	-23.32	1,788.18	2,035.27	7,048.28	6,966.40	81.88	86.079		
1,300.00	1,295.62	16,236.00	7,569.74	4.53	158.98	-27.39	1,788.18	2,035.27	6,950.43	6,868.37	82.06	84.699		
1,400.00	1,393.06	16,236.00	7,569.74	4.97	158.98	-32.94	1,788.18	2,035.27	6,852.03	6,769.82	82.21	83.345		
1,500.00	1,489.64	16,236.00	7,569.74	5.44	158.98	-40.74	1,788.18	2,035.27	6,753.19	6,670.85	82.34	82.019		
1,600.00	1,585.27	16,236.00	7,569.74	5.95	158.98	-51.96	1,788.18	2,035.27	6,654.01	6,571.58	82.43	80.723		
1,700.00	1,679.82	16,236.00	7,569.74	6.51	158.98	-67.76	1,788.18	2,035.27	6,554.60	6,472.11	82.49	79.457		
1,800.00	1,773.17	16,236.00	7,569.74	7.13	158.98	-87.68	1,788.18	2,035.27	6,455.08	6,372.55	82.52	78.223		
1,900.00	1,865.21	16,236.00	7,569.74	7.79	158.98	-107.85	1,788.18	2,035.27	6,355.55	6,273.03	82.52	77.022		
2,000.00	1,955.84	16,236.00	7,569.74	8.51	158.98	-124.17	1,788.18	2,035.27	6,256.15	6,173.67	82.48	75.853		
2,100.00	2,044.94	16,236.00	7,569.74	9.30	158.98	-135.81	1,788.18	2,035.27	6,157.00	6,074.60	82.41	74.716		
2,200.00	2,132.39	16,236.00	7,569.74	10.15	158.98	-143.91	1,788.18	2,035.27	6,058.25	5,975.95	82.30	73.613		
2,300.00	2,218.11	16,236.00	7,569.74	11.07	158.98	-149.65	1,788.18	2,035.27	5,960.03	5,877.87	82.16	72.541		
2,400.00	2,301.97	16,236.00	7,569.74	12.06	158.98	-153.84	1,788.18	2,035.27	5,862.49	5,780.50	81.99	71.499		
2,500.00	2,383.88	16,236.00	7,569.74	13.11	158.98	-157.00	1,788.18	2,035.27	5,765.80	5,684.00	81.80	70.487		
2,512.74	2,394.17	16,236.00	7,569.74	13.25	158.98	-157.35	1,788.18	2,035.27	5,753.55	5,671.78	81.77	70.364		
2,600.00	2,464.54	16,236.00	7,569.74	14.22	158.98	-157.35	1,788.18	2,035.27	5,669.75	5,588.15	81.60	69.485		
2,700.00	2,545.18	16,236.00	7,569.74	15.35	158.98	-157.35	1,788.18	2,035.27	5,573.85	5,492.44	81.41	68.466		
2,800.00	2,625.82	16,236.00	7,569.74	16.50	158.98	-157.35	1,788.18	2,035.27	5,478.09	5,396.86	81.23	67.437		
2,900.00	2,706.45	16,236.00	7,569.74	17.65	158.98	-157.35	1,788.18	2,035.27	5,382.49	5,301.43	81.06	66.397		
3,000.00	2,787.09	16,236.00	7,569.74	18.82	158.98	-157.35	1,788.18	2,035.27	5,287.05	5,206.15	80.91	65.348		
3,100.00	2,867.73	16,236.00	7,569.74	19.99	158.98	-157.35	1,788.18	2,035.27	5,191.79	5,111.03	80.76	64.289		
3,200.00	2,948.37	16,236.00	7,569.74	21.17	158.98	-157.35	1,788.18	2,035.27	5,096.70	5,016.09	80.62	63.221		
3,300.00	3,029.01	16,236.00	7,569.74	22.36	158.98	-157.35	1,788.18	2,035.27	5,001.81	4,921.32	80.49	62.144		
3,400.00	3,109.65	16,236.00	7,569.74	23.55	158.98	-157.35	1,788.18	2,035.27	4,907.12	4,826.75	80.37	61.058		
3,500.00	3,190.29	16,236.00	7,569.74	24.74	158.98	-157.35	1,788.18	2,035.27	4,812.64	4,732.38	80.26	59.963		
3,600.00	3,270.93	16,236.00	7,569.74	25.94	158.98	-157.35	1,788.18	2,035.27	4,718.39	4,638.23	80.16	58.859		
3,700.00	3,351.57	16,236.00	7,569.74	27.14	158.98	-157.35	1,788.18	2,035.27	4,624.39	4,544.31	80.08	57.747		
3,800.00	3,432.21	16,236.00	7,569.74	28.35	158.98	-157.35	1,788.18	2,035.27	4,530.64	4,450.63	80.01	56.625		
3,900.00	3,512.85	16,236.00	7,569.74	29.56	158.98	-157.35	1,788.18	2,035.27	4,437.16	4,357.20	79.96	55.495		
4,000.00	3,593.49	16,236.00	7,569.74	30.76	158.98	-157.35	1,788.18	2,035.27	4,343.97	4,264.05	79.92	54.355		
4,100.00	3,674.13	16,236.00	7,569.74	31.97	158.98	-157.35	1,788.18	2,035.27	4,251.10	4,171.20	79.90	53.205		
4,200.00	3,754.77	16,236.00	7,569.74	33.19	158.98	-157.35	1,788.18	2,035.27	4,158.55	4,078.65	79.90	52.046		
4,300.00	3,835.41	16,236.00	7,569.74	34.40	158.98	-157.35	1,788.18	2,035.27	4,066.36	3,986.43	79.93	50.875		
4,400.00	3,916.05	16,236.00	7,569.74	35.62	158.98	-157.35	1,788.18	2,035.27	3,974.54	3,894.56	79.98	49.694		
4,500.00	3,996.69	16,236.00	7,569.74	36.83	158.98	-157.35	1,788.18	2,035.27	3,883.13	3,803.06	80.06	48.500		
4,600.00	4,077.33	16,236.00	7,569.74	38.05	158.98	-157.35	1,788.18	2,035.27	3,792.15	3,711.97	80.18	47.294		
4,700.00	4,157.96	16,236.00	7,569.74	39.27	158.98	-157.35	1,788.18	2,035.27	3,701.64	3,621.30	80.34	46.074		
4,800.00	4,238.60	16,236.00	7,569.74	40.49	158.98	-157.35	1,788.18	2,035.27	3,611.63	3,531.08	80.54	44.840		
4,900.00	4,319.24	16,236.00	7,569.74	41.71	158.98	-157.35	1,788.18	2,035.27	3,522.15	3,441.35	80.80	43.591		
5,000.00	4,399.88	16,236.00	7,569.74	42.93	158.98	-157.35	1,788.18	2,035.27	3,433.26	3,352.14	81.12	42.325		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COMO 13N-14HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,480.52	16,236.00	7,569.74	44.15	158.98	-157.35	1,788.18	2,035.27	3,344.99	3,263.49	81.50	41.043		
5,200.00	4,561.16	16,236.00	7,569.74	45.37	158.98	-157.35	1,788.18	2,035.27	3,257.41	3,175.44	81.96	39.742		
5,300.00	4,641.80	16,236.00	7,569.74	46.59	158.98	-157.35	1,788.18	2,035.27	3,170.55	3,088.04	82.52	38.423		
5,400.00	4,722.44	16,236.00	7,569.74	47.82	158.98	-157.35	1,788.18	2,035.27	3,084.50	3,001.32	83.17	37.085		
5,500.00	4,803.08	16,236.00	7,569.74	49.04	158.98	-157.35	1,788.18	2,035.27	2,999.31	2,915.36	83.95	35.728		
5,600.00	4,883.72	16,236.00	7,569.74	50.27	158.98	-157.35	1,788.18	2,035.27	2,915.06	2,830.20	84.86	34.352		
5,700.00	4,964.36	16,236.00	7,569.74	51.49	158.98	-157.35	1,788.18	2,035.27	2,831.83	2,745.91	85.92	32.959		
5,800.00	5,045.00	16,236.00	7,569.74	52.71	158.98	-157.35	1,788.18	2,035.27	2,749.73	2,662.57	87.15	31.550		
5,900.00	5,125.64	16,236.00	7,569.74	53.94	158.98	-157.35	1,788.18	2,035.27	2,668.84	2,580.26	88.58	30.128		
6,000.00	5,206.28	16,236.00	7,569.74	55.17	158.98	-157.35	1,788.18	2,035.27	2,589.29	2,499.06	90.23	28.696		
6,100.00	5,286.92	16,236.00	7,569.74	56.39	158.98	-157.35	1,788.18	2,035.27	2,511.20	2,419.08	92.12	27.260		
6,200.00	5,367.56	16,236.00	7,569.74	57.62	158.98	-157.35	1,788.18	2,035.27	2,434.72	2,340.44	94.28	25.824		
6,300.00	5,448.20	16,236.00	7,569.74	58.84	158.98	-157.35	1,788.18	2,035.27	2,360.00	2,263.26	96.74	24.396		
6,400.00	5,528.84	16,236.00	7,569.74	60.07	158.98	-157.35	1,788.18	2,035.27	2,287.20	2,187.69	99.51	22.984		
6,500.00	5,609.47	16,236.00	7,569.74	61.30	158.98	-157.35	1,788.18	2,035.27	2,216.53	2,113.90	102.63	21.598		
6,600.00	5,690.11	16,236.00	7,569.74	62.53	158.98	-157.35	1,788.18	2,035.27	2,148.19	2,042.08	106.11	20.245		
6,700.00	5,770.75	16,236.00	7,569.74	63.75	158.98	-157.35	1,788.18	2,035.27	2,082.41	1,972.44	109.97	18.936		
6,800.00	5,851.39	16,236.00	7,569.74	64.98	158.98	-157.35	1,788.18	2,035.27	2,019.45	1,905.23	114.21	17.681		
6,900.00	5,932.03	16,236.00	7,569.74	66.21	158.98	-157.35	1,788.18	2,035.27	1,959.56	1,840.71	118.85	16.488		
7,000.00	6,012.67	16,236.00	7,569.74	67.44	158.98	-157.35	1,788.18	2,035.27	1,903.05	1,779.19	123.85	15.365		
7,100.00	6,093.31	16,236.00	7,569.74	68.66	158.98	-157.35	1,788.18	2,035.27	1,850.22	1,721.00	129.22	14.319		
7,200.00	6,173.95	16,236.00	7,569.74	69.89	158.98	-157.35	1,788.18	2,035.27	1,801.40	1,666.50	134.89	13.354		
7,300.00	6,254.59	16,236.00	7,569.74	71.12	158.98	-157.35	1,788.18	2,035.27	1,756.91	1,616.08	140.83	12.475		
7,400.00	6,335.23	16,236.00	7,569.74	72.35	158.98	-157.35	1,788.18	2,035.27	1,717.11	1,570.14	146.96	11.684		
7,500.00	6,415.87	16,236.00	7,569.74	73.58	158.98	-157.35	1,788.18	2,035.27	1,682.31	1,529.10	153.21	10.981		
7,600.00	6,496.51	16,236.00	7,569.74	74.81	158.98	-157.35	1,788.18	2,035.27	1,652.84	1,493.38	159.46	10.365		
7,700.00	6,577.15	16,236.00	7,569.74	76.04	158.98	-157.35	1,788.18	2,035.27	1,628.99	1,463.36	165.63	9.835		
7,800.00	6,657.79	16,236.00	7,569.74	77.27	158.98	-157.35	1,788.18	2,035.27	1,611.00	1,439.42	171.58	9.389		
7,900.00	6,738.43	16,238.38	7,569.73	78.50	159.02	-157.43	1,785.80	2,035.23	1,599.07	1,421.88	177.20	9.024		
8,000.00	6,819.07	16,209.07	7,569.88	79.73	158.51	-156.42	1,815.11	2,035.75	1,593.12	1,410.43	182.69	8.721		
8,056.38	6,864.53	16,193.61	7,569.96	80.42	158.24	-155.89	1,830.56	2,036.03	1,592.28	1,406.69	185.59	8.580 CC		
8,100.00	6,899.71	16,179.65	7,570.04	80.96	158.00	-155.41	1,844.52	2,036.28	1,592.89	1,405.14	187.75	8.484 ES		
8,200.00	6,980.35	16,147.97	7,570.15	82.18	157.45	-154.32	1,876.19	2,036.85	1,598.37	1,406.04	192.34	8.310		
8,240.58	7,013.07	16,135.24	7,570.18	82.68	157.23	-153.88	1,888.92	2,037.08	1,602.21	1,408.16	194.04	8.257		
8,250.00	7,020.68	16,132.38	7,570.18	82.80	157.18	-155.07	1,891.79	2,037.14	1,603.23	1,408.81	194.43	8.246		
8,300.00	7,061.63	16,119.92	7,570.19	83.40	156.96	-162.03	1,904.24	2,037.36	1,609.64	1,413.23	196.41	8.195		
8,350.00	7,103.23	16,112.14	7,570.19	83.97	156.83	-169.90	1,912.02	2,037.51	1,617.68	1,419.40	198.29	8.158		
8,400.00	7,145.18	16,109.04	7,570.18	84.51	156.77	-178.45	1,915.12	2,037.56	1,627.34	1,427.31	200.03	8.136		
8,450.00	7,187.16	16,110.59	7,570.19	85.01	156.80	172.64	1,913.57	2,037.54	1,638.52	1,436.91	201.61	8.127 SF		
8,500.00	7,228.84	16,116.74	7,570.19	85.46	156.91	163.71	1,907.42	2,037.42	1,651.11	1,448.07	203.04	8.132		
8,550.00	7,269.91	16,127.38	7,570.19	85.86	157.09	155.05	1,896.78	2,037.23	1,664.94	1,460.63	204.31	8.149		
8,600.00	7,310.05	16,142.40	7,570.17	86.20	157.35	146.86	1,881.76	2,036.95	1,679.78	1,474.37	205.42	8.177		
8,650.00	7,348.97	16,161.64	7,570.11	86.50	157.69	139.23	1,862.53	2,036.60	1,695.40	1,489.02	206.38	8.215		
8,700.00	7,386.36	16,184.92	7,570.01	86.74	158.09	132.21	1,839.25	2,036.19	1,711.51	1,504.30	207.20	8.260		
8,750.00	7,421.94	16,210.79	7,569.87	86.93	158.54	125.85	1,813.39	2,035.72	1,727.84	1,519.91	207.93	8.310		
8,800.00	7,455.44	16,240.45	7,569.72	87.07	159.06	120.07	1,783.73	2,035.19	1,744.10	1,535.54	208.56	8.363		
8,850.00	7,486.61	16,236.00	7,569.74	87.16	158.98	115.77	1,788.18	2,035.27	1,760.39	1,550.91	209.49	8.403		
8,900.00	7,515.20	16,236.00	7,569.74	87.20	158.98	111.81	1,788.18	2,035.27	1,776.75	1,566.48	210.27	8.450		
8,950.00	7,541.00	16,236.00	7,569.74	87.21	158.98	108.27	1,788.18	2,035.27	1,793.07	1,582.10	210.97	8.499		
9,000.00	7,563.81	16,236.00	7,569.74	87.17	158.98	105.11	1,788.18	2,035.27	1,809.21	1,597.64	211.57	8.551		
9,050.00	7,583.47	16,236.00	7,569.74	87.10	158.98	102.30	1,788.18	2,035.27	1,825.07	1,612.99	212.08	8.606		
9,100.00	7,599.81	16,236.00	7,569.74	87.00	158.98	99.83	1,788.18	2,035.27	1,840.53	1,628.03	212.50	8.661		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COMO 13N-14HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,150.00	7,612.72	16,236.00	7,569.74	86.88	158.98	97.66	1,788.18	2,035.27	1,855.48	1,642.65	212.83	8.718		
9,200.00	7,622.09	16,236.00	7,569.74	86.72	158.98	95.80	1,788.18	2,035.27	1,869.83	1,656.76	213.07	8.776		
9,250.00	7,627.87	16,236.00	7,569.74	86.55	158.98	94.23	1,788.18	2,035.27	1,883.48	1,670.27	213.22	8.834		
9,303.98	7,630.00	16,236.00	7,569.74	86.35	158.98	92.86	1,788.18	2,035.27	1,897.33	1,684.06	213.27	8.896		
9,400.00	7,630.00	16,236.00	7,569.74	85.99	158.98	92.86	1,788.18	2,035.27	1,923.35	1,710.27	213.08	9.026		
9,500.00	7,630.00	16,236.00	7,569.74	85.62	158.98	92.86	1,788.18	2,035.27	1,955.09	1,742.60	212.49	9.201		
9,600.00	7,630.00	16,236.00	7,569.74	85.28	158.98	92.86	1,788.18	2,035.27	1,991.35	1,779.83	211.52	9.414		
9,700.00	7,630.00	16,236.00	7,569.74	84.95	158.98	92.86	1,788.18	2,035.27	2,031.90	1,821.66	210.24	9.665		
9,800.00	7,630.00	16,236.00	7,569.74	84.64	158.98	92.86	1,788.18	2,035.27	2,076.47	1,867.80	208.67	9.951		
9,900.00	7,630.00	16,236.00	7,569.74	84.34	158.98	92.86	1,788.18	2,035.27	2,124.81	1,917.95	206.86	10.272		
10,000.00	7,630.00	16,236.00	7,569.74	84.06	158.98	92.86	1,788.18	2,035.27	2,176.68	1,971.82	204.86	10.625		
10,100.00	7,630.00	16,236.00	7,569.74	83.80	158.98	92.86	1,788.18	2,035.27	2,231.83	2,029.13	202.70	11.010		
10,200.00	7,630.00	16,236.00	7,569.74	83.56	158.98	92.86	1,788.18	2,035.27	2,290.01	2,089.58	200.43	11.425		
10,300.00	7,630.00	16,236.00	7,569.74	83.33	158.98	92.86	1,788.18	2,035.27	2,351.02	2,152.94	198.08	11.869		
10,400.00	7,630.00	16,236.00	7,569.74	83.12	158.98	92.86	1,788.18	2,035.27	2,414.62	2,218.95	195.67	12.340		
10,500.00	7,630.00	16,236.00	7,569.74	82.92	158.98	92.86	1,788.18	2,035.27	2,480.62	2,287.40	193.23	12.838		
10,600.00	7,630.00	16,236.00	7,569.74	82.75	158.98	92.86	1,788.18	2,035.27	2,548.84	2,358.07	190.78	13.360		
10,700.00	7,630.00	16,236.00	7,569.74	82.59	158.98	92.86	1,788.18	2,035.27	2,619.11	2,430.77	188.34	13.906		
10,800.00	7,630.00	16,236.00	7,569.74	82.45	158.98	92.86	1,788.18	2,035.27	2,691.25	2,505.33	185.92	14.475		
10,900.00	7,630.00	16,236.00	7,569.74	82.33	158.98	92.86	1,788.18	2,035.27	2,765.13	2,581.59	183.54	15.065		
11,000.00	7,630.00	16,236.00	7,569.74	82.22	158.98	92.86	1,788.18	2,035.27	2,840.61	2,659.41	181.20	15.676		
11,100.00	7,630.00	16,236.00	7,569.74	82.14	158.98	92.86	1,788.18	2,035.27	2,917.56	2,738.65	178.92	16.307		
11,200.00	7,630.00	16,236.00	7,569.74	82.08	158.98	92.86	1,788.18	2,035.27	2,995.88	2,819.19	176.68	16.956		
11,300.00	7,630.00	16,236.00	7,569.74	82.04	158.98	92.86	1,788.18	2,035.27	3,075.45	2,900.94	174.51	17.623		
11,400.00	7,630.00	16,236.00	7,569.74	82.02	158.98	92.86	1,788.18	2,035.27	3,156.19	2,983.79	172.40	18.307		
11,500.00	7,630.00	16,236.00	7,569.74	82.03	158.98	92.86	1,788.18	2,035.27	3,238.00	3,067.64	170.35	19.008		
11,600.00	7,630.00	16,236.00	7,569.74	82.06	158.98	92.86	1,788.18	2,035.27	3,320.80	3,152.43	168.37	19.723		
11,700.00	7,630.00	16,236.00	7,569.74	82.12	158.98	92.86	1,788.18	2,035.27	3,404.53	3,238.08	166.45	20.454		
11,800.00	7,630.00	16,236.00	7,569.74	82.21	158.98	92.86	1,788.18	2,035.27	3,489.12	3,324.52	164.60	21.198		
11,900.00	7,630.00	16,236.00	7,569.74	82.33	158.98	92.86	1,788.18	2,035.27	3,574.50	3,411.70	162.81	21.956		
12,000.00	7,630.00	16,236.00	7,569.74	82.48	158.98	92.86	1,788.18	2,035.27	3,660.62	3,499.55	161.08	22.726		
12,100.00	7,630.00	16,236.00	7,569.74	82.66	158.98	92.86	1,788.18	2,035.27	3,747.44	3,588.03	159.41	23.508		
12,200.00	7,630.00	16,236.00	7,569.74	82.88	158.98	92.86	1,788.18	2,035.27	3,834.89	3,677.09	157.80	24.303		
12,300.00	7,630.00	16,236.00	7,569.74	83.14	158.98	92.86	1,788.18	2,035.27	3,922.95	3,766.70	156.25	25.107		
12,400.00	7,630.00	16,236.00	7,569.74	83.44	158.98	92.86	1,788.18	2,035.27	4,011.56	3,856.81	154.75	25.923		
12,500.00	7,630.00	16,236.00	7,569.74	83.79	158.98	92.86	1,788.18	2,035.27	4,100.70	3,947.39	153.31	26.748		
12,600.00	7,630.00	16,236.00	7,569.74	84.18	158.98	92.86	1,788.18	2,035.27	4,190.33	4,038.41	151.91	27.583		
12,700.00	7,630.00	16,236.00	7,569.74	84.61	158.98	92.86	1,788.18	2,035.27	4,280.42	4,129.84	150.57	28.427		
12,800.00	7,630.00	16,236.00	7,569.74	85.10	158.98	92.86	1,788.18	2,035.27	4,370.93	4,221.65	149.28	29.280		
12,900.00	7,630.00	16,236.00	7,569.74	85.64	158.98	92.86	1,788.18	2,035.27	4,461.86	4,313.83	148.03	30.141		
13,000.00	7,630.00	16,236.00	7,569.74	86.22	158.98	92.86	1,788.18	2,035.27	4,553.16	4,406.33	146.83	31.010		
13,100.00	7,630.00	16,236.00	7,569.74	86.86	158.98	92.86	1,788.18	2,035.27	4,644.83	4,499.16	145.67	31.886		
13,200.00	7,630.00	16,236.00	7,569.74	87.56	158.98	92.86	1,788.18	2,035.27	4,736.83	4,592.27	144.55	32.769		
13,300.00	7,630.00	16,236.00	7,569.74	88.30	158.98	92.86	1,788.18	2,035.27	4,829.14	4,685.67	143.47	33.659		
13,400.00	7,630.00	16,236.00	7,569.74	89.10	158.98	92.86	1,788.18	2,035.27	4,921.76	4,779.33	142.43	34.556		
13,500.00	7,630.00	16,236.00	7,569.74	89.94	158.98	92.86	1,788.18	2,035.27	5,014.66	4,873.24	141.42	35.459		
13,600.00	7,630.00	16,236.00	7,569.74	90.84	158.98	92.86	1,788.18	2,035.27	5,107.83	4,967.38	140.45	36.367		
13,700.00	7,630.00	16,236.00	7,569.74	91.78	158.98	92.86	1,788.18	2,035.27	5,201.26	5,061.74	139.51	37.281		
13,800.00	7,630.00	16,236.00	7,569.74	92.77	158.98	92.86	1,788.18	2,035.27	5,294.92	5,156.31	138.61	38.201		
13,900.00	7,630.00	16,236.00	7,569.74	93.79	158.98	92.86	1,788.18	2,035.27	5,388.81	5,251.08	137.73	39.125		
14,000.00	7,630.00	16,236.00	7,569.74	94.86	158.98	92.86	1,788.18	2,035.27	5,482.92	5,346.03	136.89	40.054		
14,100.00	7,630.00	16,236.00	7,569.74	95.97	158.98	92.86	1,788.18	2,035.27	5,577.23	5,441.16	136.07	40.988		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COMO 13N-14HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,630.00	16,236.00	7,569.74	97.11	158.98	92.86	1,788.18	2,035.27	5,671.74	5,536.46	135.28	41.926		
14,300.00	7,630.00	16,236.00	7,569.74	98.28	158.98	92.86	1,788.18	2,035.27	5,766.43	5,631.92	134.51	42.869		
14,400.00	7,630.00	16,236.00	7,569.74	99.48	158.98	92.86	1,788.18	2,035.27	5,861.30	5,727.53	133.77	43.815		
14,500.00	7,630.00	16,236.00	7,569.74	100.72	158.98	92.86	1,788.18	2,035.27	5,956.34	5,823.28	133.06	44.765		
14,600.00	7,630.00	16,236.00	7,569.74	101.97	158.98	92.86	1,788.18	2,035.27	6,051.54	5,919.17	132.37	45.718		
14,700.00	7,630.00	16,236.00	7,569.74	103.26	158.98	92.86	1,788.18	2,035.27	6,146.88	6,015.19	131.69	46.675		
14,800.00	7,630.00	16,236.00	7,569.74	104.56	158.98	92.86	1,788.18	2,035.27	6,242.38	6,111.33	131.05	47.635		
14,900.00	7,630.00	16,236.00	7,569.74	105.89	158.98	92.86	1,788.18	2,035.27	6,338.01	6,207.60	130.42	48.598		
15,000.00	7,630.00	16,236.00	7,569.74	107.24	158.98	92.86	1,788.18	2,035.27	6,433.78	6,303.97	129.81	49.564		
15,100.00	7,630.00	16,236.00	7,569.74	108.60	158.98	92.86	1,788.18	2,035.27	6,529.67	6,400.46	129.22	50.533		
15,200.00	7,630.00	16,236.00	7,569.74	109.98	158.98	92.86	1,788.18	2,035.27	6,625.69	6,497.04	128.64	51.504		
15,300.00	7,630.00	16,236.00	7,569.74	111.38	158.98	92.86	1,788.18	2,035.27	6,721.82	6,593.73	128.09	52.477		
15,400.00	7,630.00	16,236.00	7,569.74	112.79	158.98	92.86	1,788.18	2,035.27	6,818.06	6,690.51	127.55	53.453		
15,500.00	7,630.00	16,236.00	7,569.74	114.22	158.98	92.86	1,788.18	2,035.27	6,914.41	6,787.38	127.03	54.431		
15,600.00	7,630.00	16,236.00	7,569.74	115.66	158.98	92.86	1,788.18	2,035.27	7,010.86	6,884.34	126.52	55.411		
15,700.00	7,630.00	16,236.00	7,569.74	117.11	158.98	92.86	1,788.18	2,035.27	7,107.41	6,981.38	126.03	56.393		
15,800.00	7,630.00	16,236.00	7,569.74	118.57	158.98	92.86	1,788.18	2,035.27	7,204.06	7,078.50	125.56	57.377		
15,900.00	7,630.00	16,236.00	7,569.74	120.05	158.98	92.86	1,788.18	2,035.27	7,300.79	7,175.70	125.09	58.362		
16,000.00	7,630.00	16,236.00	7,569.74	121.53	158.98	92.86	1,788.18	2,035.27	7,397.61	7,272.97	124.65	59.349		
16,100.00	7,630.00	16,236.00	7,569.74	123.03	158.98	92.86	1,788.18	2,035.27	7,494.52	7,370.31	124.21	60.338		
16,200.00	7,630.00	16,236.00	7,569.74	124.53	158.98	92.86	1,788.18	2,035.27	7,591.50	7,467.71	123.79	61.327		
16,300.00	7,630.00	16,236.00	7,569.74	126.04	158.98	92.86	1,788.18	2,035.27	7,688.56	7,565.19	123.38	62.318		
16,400.00	7,630.00	16,236.00	7,569.74	127.56	158.98	92.86	1,788.18	2,035.27	7,785.70	7,662.72	122.98	63.311		
16,500.00	7,630.00	16,236.00	7,569.74	129.09	158.98	92.86	1,788.18	2,035.27	7,882.91	7,760.32	122.59	64.304		
16,600.00	7,630.00	16,236.00	7,569.74	130.62	158.98	92.86	1,788.18	2,035.27	7,980.18	7,857.97	122.21	65.298		
16,700.00	7,630.00	16,236.00	7,569.74	132.16	158.98	92.86	1,788.18	2,035.27	8,077.53	7,955.68	121.84	66.294		
16,800.00	7,630.00	16,236.00	7,569.74	133.71	158.98	92.86	1,788.18	2,035.27	8,174.93	8,053.45	121.49	67.290		
16,900.00	7,630.00	16,236.00	7,569.74	135.27	158.98	92.86	1,788.18	2,035.27	8,272.40	8,151.26	121.14	68.287		
17,000.00	7,630.00	16,236.00	7,569.74	136.83	158.98	92.86	1,788.18	2,035.27	8,369.93	8,249.13	120.81	69.284		
17,100.00	7,630.00	16,236.00	7,569.74	138.39	158.98	92.86	1,788.18	2,035.27	8,467.52	8,347.04	120.48	70.283		
17,200.00	7,630.00	16,236.00	7,569.74	139.97	158.98	92.86	1,788.18	2,035.27	8,565.16	8,445.00	120.16	71.282		
17,300.00	7,630.00	16,236.00	7,569.74	141.54	158.98	92.86	1,788.18	2,035.27	8,662.86	8,543.01	119.85	72.281		
17,400.00	7,630.00	16,236.00	7,569.74	143.12	158.98	92.86	1,788.18	2,035.27	8,760.61	8,641.06	119.55	73.281		
17,500.00	7,630.00	16,236.00	7,569.74	144.71	158.98	92.86	1,788.18	2,035.27	8,858.40	8,739.15	119.26	74.281		
17,600.00	7,630.00	16,236.00	7,569.74	146.30	158.98	92.86	1,788.18	2,035.27	8,956.25	8,837.28	118.97	75.281		
17,700.00	7,630.00	16,236.00	7,569.74	147.90	158.98	92.86	1,788.18	2,035.27	9,054.15	8,935.45	118.69	76.282		
17,800.00	7,630.00	16,236.00	7,569.74	149.50	158.98	92.86	1,788.18	2,035.27	9,152.09	9,033.66	118.42	77.283		
17,900.00	7,630.00	16,236.00	7,569.74	151.10	158.98	92.86	1,788.18	2,035.27	9,250.07	9,131.91	118.16	78.284		
18,000.00	7,630.00	16,236.00	7,569.74	152.71	158.98	92.86	1,788.18	2,035.27	9,348.10	9,230.19	117.90	79.285		
18,100.00	7,630.00	16,236.00	7,569.74	154.32	158.98	92.86	1,788.18	2,035.27	9,446.16	9,328.51	117.66	80.287		
18,200.00	7,630.00	16,236.00	7,569.74	155.94	158.98	92.86	1,788.18	2,035.27	9,544.27	9,426.86	117.41	81.288		
18,300.00	7,630.00	16,236.00	7,569.74	157.56	158.98	92.86	1,788.18	2,035.27	9,642.42	9,525.24	117.18	82.289		
18,400.00	7,630.00	16,236.00	7,569.74	159.18	158.98	92.86	1,788.18	2,035.27	9,740.60	9,623.65	116.95	83.290		
18,500.00	7,630.00	16,236.00	7,569.74	160.80	158.98	92.86	1,788.18	2,035.27	9,838.82	9,722.10	116.72	84.291		
18,600.00	7,630.00	16,236.00	7,569.74	162.43	158.98	92.86	1,788.18	2,035.27	9,937.08	9,820.57	116.51	85.292		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COMO 34N-14HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	16,659.00	7,678.61	0.00	161.70	38.36	1,782.50	1,410.75	8,153.90					
100.00	100.00	16,659.00	7,678.61	0.13	161.70	38.36	1,782.50	1,410.75	8,057.91	7,979.15	78.75	102.317		
200.00	200.00	16,659.00	7,678.61	0.49	161.70	38.36	1,782.50	1,410.75	7,962.02	7,883.20	78.82	101.017		
300.00	300.00	16,659.00	7,678.61	0.85	161.70	38.36	1,782.50	1,410.75	7,866.23	7,787.34	78.90	99.705		
400.00	400.00	16,659.00	7,678.61	1.21	161.70	38.36	1,782.50	1,410.75	7,770.56	7,691.57	78.98	98.382		
500.00	500.00	16,659.00	7,678.61	1.57	161.70	38.36	1,782.50	1,410.75	7,674.99	7,595.90	79.08	97.049		
600.00	600.00	16,659.00	7,678.61	1.93	161.70	38.36	1,782.50	1,410.75	7,579.53	7,500.33	79.20	95.706		
700.00	700.00	16,659.00	7,678.61	2.29	161.70	38.36	1,782.50	1,410.75	7,484.19	7,404.87	79.32	94.354		
800.00	799.98	16,659.00	7,678.61	2.64	161.70	-26.19	1,782.50	1,410.75	7,388.51	7,309.05	79.46	92.989		
900.00	899.84	16,659.00	7,678.61	2.99	161.70	-29.61	1,782.50	1,410.75	7,292.06	7,212.47	79.59	91.623		
1,000.00	999.45	16,659.00	7,678.61	3.35	161.70	-33.90	1,782.50	1,410.75	7,194.93	7,115.23	79.70	90.270		
1,100.00	1,098.70	16,659.00	7,678.61	3.73	161.70	-39.38	1,782.50	1,410.75	7,097.23	7,017.42	79.80	88.933		
1,200.00	1,197.47	16,659.00	7,678.61	4.11	161.70	-46.44	1,782.50	1,410.75	6,999.04	6,919.15	79.89	87.613		
1,300.00	1,295.62	16,659.00	7,678.61	4.53	161.70	-55.53	1,782.50	1,410.75	6,900.46	6,820.52	79.95	86.314		
1,400.00	1,393.06	16,659.00	7,678.61	4.97	161.70	-66.98	1,782.50	1,410.75	6,801.61	6,721.62	79.99	85.035		
1,500.00	1,489.64	16,659.00	7,678.61	5.44	161.70	-80.54	1,782.50	1,410.75	6,702.59	6,622.59	80.00	83.777		
1,600.00	1,585.27	16,659.00	7,678.61	5.95	161.70	-95.03	1,782.50	1,410.75	6,603.53	6,523.53	80.00	82.543		
1,700.00	1,679.82	16,659.00	7,678.61	6.51	161.70	-108.71	1,782.50	1,410.75	6,504.53	6,424.56	79.98	81.331		
1,800.00	1,773.17	16,659.00	7,678.61	7.13	161.70	-120.32	1,782.50	1,410.75	6,405.73	6,325.81	79.93	80.142		
1,900.00	1,865.21	16,659.00	7,678.61	7.79	161.70	-129.58	1,782.50	1,410.75	6,307.27	6,227.40	79.86	78.975		
2,000.00	1,955.84	16,659.00	7,678.61	8.51	161.70	-136.76	1,782.50	1,410.75	6,209.27	6,129.49	79.78	77.829		
2,100.00	2,044.94	16,659.00	7,678.61	9.30	161.70	-142.33	1,782.50	1,410.75	6,111.88	6,032.20	79.68	76.703		
2,200.00	2,132.39	16,659.00	7,678.61	10.15	161.70	-146.69	1,782.50	1,410.75	6,015.26	5,935.69	79.57	75.594		
2,300.00	2,218.11	16,659.00	7,678.61	11.07	161.70	-150.14	1,782.50	1,410.75	5,919.57	5,840.11	79.46	74.500		
2,400.00	2,301.97	16,659.00	7,678.61	12.06	161.70	-152.93	1,782.50	1,410.75	5,824.96	5,745.62	79.34	73.417		
2,500.00	2,383.88	16,659.00	7,678.61	13.11	161.70	-155.21	1,782.50	1,410.75	5,731.61	5,652.38	79.23	72.342		
2,512.74	2,394.17	16,659.00	7,678.61	13.25	161.70	-155.47	1,782.50	1,410.75	5,719.81	5,640.60	79.21	72.211		
2,600.00	2,464.54	16,659.00	7,678.61	14.22	161.70	-155.47	1,782.50	1,410.75	5,639.22	5,560.08	79.14	71.257		
2,700.00	2,545.18	16,659.00	7,678.61	15.35	161.70	-155.47	1,782.50	1,410.75	5,547.10	5,468.02	79.08	70.143		
2,800.00	2,625.82	16,659.00	7,678.61	16.50	161.70	-155.47	1,782.50	1,410.75	5,455.26	5,376.21	79.05	69.010		
2,900.00	2,706.45	16,659.00	7,678.61	17.65	161.70	-155.47	1,782.50	1,410.75	5,363.72	5,284.67	79.04	67.858		
3,000.00	2,787.09	16,659.00	7,678.61	18.82	161.70	-155.47	1,782.50	1,410.75	5,272.48	5,193.42	79.06	66.687		
3,100.00	2,867.73	16,659.00	7,678.61	19.99	161.70	-155.47	1,782.50	1,410.75	5,181.56	5,102.45	79.11	65.499		
3,200.00	2,948.37	16,659.00	7,678.61	21.17	161.70	-155.47	1,782.50	1,410.75	5,090.99	5,011.81	79.18	64.294		
3,300.00	3,029.01	16,659.00	7,678.61	22.36	161.70	-155.47	1,782.50	1,410.75	5,000.77	4,921.49	79.29	63.072		
3,400.00	3,109.65	16,659.00	7,678.61	23.55	161.70	-155.47	1,782.50	1,410.75	4,910.94	4,831.52	79.42	61.835		
3,500.00	3,190.29	16,659.00	7,678.61	24.74	161.70	-155.47	1,782.50	1,410.75	4,821.50	4,741.91	79.59	60.581		
3,600.00	3,270.93	16,659.00	7,678.61	25.94	161.70	-155.47	1,782.50	1,410.75	4,732.49	4,652.69	79.79	59.311		
3,700.00	3,351.57	16,659.00	7,678.61	27.14	161.70	-155.47	1,782.50	1,410.75	4,643.92	4,563.89	80.03	58.026		
3,800.00	3,432.21	16,659.00	7,678.61	28.35	161.70	-155.47	1,782.50	1,410.75	4,555.83	4,475.51	80.31	56.725		
3,900.00	3,512.85	16,659.00	7,678.61	29.56	161.70	-155.47	1,782.50	1,410.75	4,468.23	4,387.59	80.64	55.408		
4,000.00	3,593.49	16,659.00	7,678.61	30.76	161.70	-155.47	1,782.50	1,410.75	4,381.17	4,300.15	81.02	54.076		
4,100.00	3,674.13	16,659.00	7,678.61	31.97	161.70	-155.47	1,782.50	1,410.75	4,294.68	4,213.23	81.45	52.728		
4,200.00	3,754.77	16,659.00	7,678.61	33.19	161.70	-155.47	1,782.50	1,410.75	4,208.78	4,126.84	81.94	51.364		
4,300.00	3,835.41	16,659.00	7,678.61	34.40	161.70	-155.47	1,782.50	1,410.75	4,123.51	4,041.02	82.50	49.985		
4,400.00	3,916.05	16,659.00	7,678.61	35.62	161.70	-155.47	1,782.50	1,410.75	4,038.93	3,955.81	83.12	48.591		
4,500.00	3,996.69	16,659.00	7,678.61	36.83	161.70	-155.47	1,782.50	1,410.75	3,955.06	3,871.23	83.82	47.182		
4,600.00	4,077.33	16,659.00	7,678.61	38.05	161.70	-155.47	1,782.50	1,410.75	3,871.96	3,787.34	84.61	45.761		
4,700.00	4,157.96	16,659.00	7,678.61	39.27	161.70	-155.47	1,782.50	1,410.75	3,789.67	3,704.18	85.49	44.326		
4,800.00	4,238.60	16,659.00	7,678.61	40.49	161.70	-155.47	1,782.50	1,410.75	3,708.26	3,621.78	86.48	42.881		
4,900.00	4,319.24	16,659.00	7,678.61	41.71	161.70	-155.47	1,782.50	1,410.75	3,627.78	3,540.20	87.57	41.427		
5,000.00	4,399.88	16,659.00	7,678.61	42.93	161.70	-155.47	1,782.50	1,410.75	3,548.28	3,459.50	88.78	39.965		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COMO 34N-14HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,480.52	16,659.00	7,678.61	44.15	161.70	-155.47	1,782.50	1,410.75	3,469.85	3,379.73	90.13	38.499		
5,200.00	4,561.16	16,659.00	7,678.61	45.37	161.70	-155.47	1,782.50	1,410.75	3,392.56	3,300.95	91.61	37.032		
5,300.00	4,641.80	16,659.00	7,678.61	46.59	161.70	-155.47	1,782.50	1,410.75	3,316.48	3,223.23	93.25	35.567		
5,400.00	4,722.44	16,659.00	7,678.61	47.82	161.70	-155.47	1,782.50	1,410.75	3,241.69	3,146.65	95.04	34.108		
5,500.00	4,803.08	16,659.00	7,678.61	49.04	161.70	-155.47	1,782.50	1,410.75	3,168.30	3,071.29	97.01	32.660		
5,600.00	4,883.72	16,659.00	7,678.61	50.27	161.70	-155.47	1,782.50	1,410.75	3,096.40	2,997.24	99.16	31.227		
5,700.00	4,964.36	16,659.00	7,678.61	51.49	161.70	-155.47	1,782.50	1,410.75	3,026.10	2,924.60	101.50	29.814		
5,800.00	5,045.00	16,659.00	7,678.61	52.71	161.70	-155.47	1,782.50	1,410.75	2,957.50	2,853.46	104.04	28.426		
5,900.00	5,125.64	16,659.00	7,678.61	53.94	161.70	-155.47	1,782.50	1,410.75	2,890.74	2,783.95	106.79	27.070		
6,000.00	5,206.28	16,659.00	7,678.61	55.17	161.70	-155.47	1,782.50	1,410.75	2,825.94	2,716.20	109.75	25.749		
6,100.00	5,286.92	16,659.00	7,678.61	56.39	161.70	-155.47	1,782.50	1,410.75	2,763.25	2,650.32	112.92	24.470		
6,200.00	5,367.56	16,659.00	7,678.61	57.62	161.70	-155.47	1,782.50	1,410.75	2,702.79	2,586.48	116.32	23.237		
6,300.00	5,448.20	16,659.00	7,678.61	58.84	161.70	-155.47	1,782.50	1,410.75	2,644.74	2,524.82	119.92	22.054		
6,400.00	5,528.84	16,659.00	7,678.61	60.07	161.70	-155.47	1,782.50	1,410.75	2,589.25	2,465.52	123.73	20.926		
6,500.00	5,609.47	16,659.00	7,678.61	61.30	161.70	-155.47	1,782.50	1,410.75	2,536.49	2,408.75	127.75	19.856		
6,600.00	5,690.11	16,659.00	7,678.61	62.53	161.70	-155.47	1,782.50	1,410.75	2,486.63	2,354.69	131.94	18.847		
6,700.00	5,770.75	16,659.00	7,678.61	63.75	161.70	-155.47	1,782.50	1,410.75	2,439.86	2,303.56	136.30	17.900		
6,800.00	5,851.39	16,659.00	7,678.61	64.98	161.70	-155.47	1,782.50	1,410.75	2,396.35	2,255.54	140.81	17.019		
6,900.00	5,932.03	16,659.00	7,678.61	66.21	161.70	-155.47	1,782.50	1,410.75	2,356.28	2,210.85	145.43	16.202		
7,000.00	6,012.67	16,659.00	7,678.61	67.44	161.70	-155.47	1,782.50	1,410.75	2,319.83	2,169.70	150.13	15.452		
7,100.00	6,093.31	16,659.00	7,678.61	68.66	161.70	-155.47	1,782.50	1,410.75	2,287.17	2,132.30	154.88	14.768		
7,200.00	6,173.95	16,659.00	7,678.61	69.89	161.70	-155.47	1,782.50	1,410.75	2,258.48	2,098.85	159.63	14.148		
7,300.00	6,254.59	16,659.00	7,678.61	71.12	161.70	-155.47	1,782.50	1,410.75	2,233.90	2,069.56	164.34	13.593		
7,400.00	6,335.23	16,659.00	7,678.61	72.35	161.70	-155.47	1,782.50	1,410.75	2,213.56	2,044.59	168.97	13.100		
7,500.00	6,415.87	16,659.00	7,678.61	73.58	161.70	-155.47	1,782.50	1,410.75	2,197.60	2,024.13	173.47	12.669		
7,600.00	6,496.51	16,659.00	7,678.61	74.81	161.70	-155.47	1,782.50	1,410.75	2,186.09	2,008.30	177.79	12.296		
7,700.00	6,577.15	16,659.00	7,678.61	76.04	161.70	-155.47	1,782.50	1,410.75	2,179.12	1,997.21	181.90	11.979		
7,800.00	6,657.79	16,659.00	7,678.61	77.27	161.70	-155.47	1,782.50	1,410.75	2,176.72	1,990.96	185.76	11.718		
7,802.18	6,659.54	16,659.00	7,678.61	77.29	161.70	-155.47	1,782.50	1,410.75	2,176.72	1,990.88	185.84	11.713 CC		
7,900.00	6,738.43	16,659.00	7,678.61	78.50	161.70	-155.47	1,782.50	1,410.75	2,178.92	1,989.58	189.33	11.508 ES		
8,000.00	6,819.07	16,647.52	7,678.48	79.73	161.50	-155.18	1,793.98	1,410.67	2,185.66	1,992.99	192.67	11.344		
8,100.00	6,899.71	16,620.91	7,678.16	80.96	161.03	-154.50	1,820.59	1,410.47	2,196.67	2,000.86	195.81	11.219		
8,200.00	6,980.35	16,595.28	7,677.87	82.18	160.59	-153.85	1,846.22	1,410.28	2,211.83	2,013.21	198.62	11.136		
8,240.58	7,013.07	16,585.01	7,677.77	82.68	160.41	-153.59	1,856.48	1,410.21	2,219.16	2,019.48	199.67	11.114		
8,250.00	7,020.68	16,582.69	7,677.75	82.80	160.37	-154.91	1,858.80	1,410.19	2,220.95	2,021.04	199.91	11.110		
8,300.00	7,061.63	16,572.69	7,677.67	83.40	160.19	-162.44	1,868.80	1,410.12	2,231.22	2,030.07	201.15	11.092		
8,350.00	7,103.23	16,566.70	7,677.62	83.97	160.09	-170.80	1,874.79	1,410.08	2,242.67	2,040.33	202.34	11.084 SF		
8,400.00	7,145.18	16,564.82	7,677.61	84.51	160.06	-179.72	1,876.67	1,410.07	2,255.22	2,051.75	203.47	11.084		
8,450.00	7,187.16	16,567.12	7,677.63	85.01	160.10	171.10	1,874.37	1,410.09	2,268.78	2,064.25	204.53	11.093		
8,500.00	7,228.84	16,573.66	7,677.68	85.46	160.21	162.02	1,867.84	1,410.13	2,283.21	2,077.70	205.51	11.110		
8,550.00	7,269.91	16,584.43	7,677.77	85.86	160.40	153.31	1,857.07	1,410.21	2,298.35	2,091.93	206.42	11.135		
8,600.00	7,310.05	16,599.41	7,677.91	86.20	160.66	145.17	1,842.08	1,410.31	2,314.01	2,106.76	207.24	11.166		
8,650.00	7,348.97	16,618.69	7,678.13	86.50	160.99	137.69	1,822.81	1,410.45	2,329.98	2,121.98	208.00	11.202		
8,700.00	7,386.36	16,642.16	7,678.41	86.74	161.40	130.89	1,799.34	1,410.63	2,346.03	2,137.35	208.69	11.242		
8,750.00	7,421.94	16,659.00	7,678.61	86.93	161.70	124.97	1,782.50	1,410.75	2,361.96	2,152.57	209.39	11.280		
8,800.00	7,455.44	16,659.00	7,678.61	87.07	161.70	120.06	1,782.50	1,410.75	2,377.80	2,167.62	210.17	11.314		
8,850.00	7,486.61	16,659.00	7,678.61	87.16	161.70	115.70	1,782.50	1,410.75	2,393.49	2,182.58	210.90	11.349		
8,900.00	7,515.20	16,659.00	7,678.61	87.20	161.70	111.85	1,782.50	1,410.75	2,408.92	2,197.34	211.58	11.385		
8,950.00	7,541.00	16,659.00	7,678.61	87.21	161.70	108.45	1,782.50	1,410.75	2,423.98	2,211.77	212.21	11.422		
9,000.00	7,563.81	16,659.00	7,678.61	87.17	161.70	105.46	1,782.50	1,410.75	2,438.57	2,225.78	212.79	11.460		
9,050.00	7,583.47	16,659.00	7,678.61	87.10	161.70	102.84	1,782.50	1,410.75	2,452.57	2,239.26	213.31	11.498		
9,100.00	7,599.81	16,659.00	7,678.61	87.00	161.70	100.58	1,782.50	1,410.75	2,465.90	2,252.12	213.78	11.535		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COMO 34N-14HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,150.00	7,612.72	16,659.00	7,678.61	86.88	161.70	98.65	1,782.50	1,410.75	2,478.46	2,264.27	214.20	11.571		
9,200.00	7,622.09	16,659.00	7,678.61	86.72	161.70	97.03	1,782.50	1,410.75	2,490.18	2,275.62	214.56	11.606		
9,250.00	7,627.87	16,659.00	7,678.61	86.55	161.70	95.73	1,782.50	1,410.75	2,500.97	2,286.11	214.86	11.640		
9,303.98	7,630.00	16,659.00	7,678.61	86.35	161.70	94.66	1,782.50	1,410.75	2,511.50	2,296.37	215.13	11.674		
9,400.00	7,630.00	16,659.00	7,678.61	85.99	161.70	94.66	1,782.50	1,410.75	2,530.92	2,315.48	215.43	11.748		
9,500.00	7,630.00	16,659.00	7,678.61	85.62	161.70	94.66	1,782.50	1,410.75	2,554.82	2,339.31	215.51	11.855		
9,600.00	7,630.00	16,659.00	7,678.61	85.28	161.70	94.66	1,782.50	1,410.75	2,582.37	2,367.03	215.34	11.992		
9,700.00	7,630.00	16,659.00	7,678.61	84.95	161.70	94.66	1,782.50	1,410.75	2,613.47	2,398.51	214.96	12.158		
9,800.00	7,630.00	16,659.00	7,678.61	84.64	161.70	94.66	1,782.50	1,410.75	2,647.97	2,433.61	214.36	12.353		
9,900.00	7,630.00	16,659.00	7,678.61	84.34	161.70	94.66	1,782.50	1,410.75	2,685.76	2,472.19	213.57	12.575		
10,000.00	7,630.00	16,659.00	7,678.61	84.06	161.70	94.66	1,782.50	1,410.75	2,726.70	2,514.09	212.61	12.825		
10,100.00	7,630.00	16,659.00	7,678.61	83.80	161.70	94.66	1,782.50	1,410.75	2,770.64	2,559.14	211.49	13.100		
10,200.00	7,630.00	16,659.00	7,678.61	83.56	161.70	94.66	1,782.50	1,410.75	2,817.44	2,607.21	210.24	13.401		
10,300.00	7,630.00	16,659.00	7,678.61	83.33	161.70	94.66	1,782.50	1,410.75	2,866.98	2,658.11	208.86	13.727		
10,400.00	7,630.00	16,659.00	7,678.61	83.12	161.70	94.66	1,782.50	1,410.75	2,919.09	2,711.71	207.39	14.076		
10,500.00	7,630.00	16,659.00	7,678.61	82.92	161.70	94.66	1,782.50	1,410.75	2,973.66	2,767.84	205.83	14.448		
10,600.00	7,630.00	16,659.00	7,678.61	82.75	161.70	94.66	1,782.50	1,410.75	3,030.55	2,826.35	204.19	14.842		
10,700.00	7,630.00	16,659.00	7,678.61	82.59	161.70	94.66	1,782.50	1,410.75	3,089.62	2,887.12	202.50	15.257		
10,800.00	7,630.00	16,659.00	7,678.61	82.45	161.70	94.66	1,782.50	1,410.75	3,150.77	2,949.99	200.77	15.693		
10,900.00	7,630.00	16,659.00	7,678.61	82.33	161.70	94.66	1,782.50	1,410.75	3,213.86	3,014.85	199.01	16.149		
11,000.00	7,630.00	16,659.00	7,678.61	82.22	161.70	94.66	1,782.50	1,410.75	3,278.79	3,081.56	197.23	16.624		
11,100.00	7,630.00	16,659.00	7,678.61	82.14	161.70	94.66	1,782.50	1,410.75	3,345.44	3,150.01	195.43	17.118		
11,200.00	7,630.00	16,659.00	7,678.61	82.08	161.70	94.66	1,782.50	1,410.75	3,413.73	3,220.10	193.63	17.630		
11,300.00	7,630.00	16,659.00	7,678.61	82.04	161.70	94.66	1,782.50	1,410.75	3,483.55	3,291.71	191.84	18.159		
11,400.00	7,630.00	16,659.00	7,678.61	82.02	161.70	94.66	1,782.50	1,410.75	3,554.81	3,364.75	190.06	18.704		
11,500.00	7,630.00	16,659.00	7,678.61	82.03	161.70	94.66	1,782.50	1,410.75	3,627.43	3,439.14	188.29	19.265		
11,600.00	7,630.00	16,659.00	7,678.61	82.06	161.70	94.66	1,782.50	1,410.75	3,701.32	3,514.78	186.54	19.842		
11,700.00	7,630.00	16,659.00	7,678.61	82.12	161.70	94.66	1,782.50	1,410.75	3,776.42	3,591.61	184.81	20.434		
11,800.00	7,630.00	16,659.00	7,678.61	82.21	161.70	94.66	1,782.50	1,410.75	3,852.65	3,669.53	183.11	21.040		
11,900.00	7,630.00	16,659.00	7,678.61	82.33	161.70	94.66	1,782.50	1,410.75	3,929.94	3,748.50	181.44	21.660		
12,000.00	7,630.00	16,659.00	7,678.61	82.48	161.70	94.66	1,782.50	1,410.75	4,008.24	3,828.44	179.80	22.293		
12,100.00	7,630.00	16,659.00	7,678.61	82.66	161.70	94.66	1,782.50	1,410.75	4,087.49	3,909.29	178.19	22.938		
12,200.00	7,630.00	16,659.00	7,678.61	82.88	161.70	94.66	1,782.50	1,410.75	4,167.63	3,991.01	176.62	23.596		
12,300.00	7,630.00	16,659.00	7,678.61	83.14	161.70	94.66	1,782.50	1,410.75	4,248.61	4,073.53	175.08	24.266		
12,400.00	7,630.00	16,659.00	7,678.61	83.44	161.70	94.66	1,782.50	1,410.75	4,330.38	4,156.81	173.58	24.948		
12,500.00	7,630.00	16,659.00	7,678.61	83.79	161.70	94.66	1,782.50	1,410.75	4,412.91	4,240.80	172.11	25.640		
12,600.00	7,630.00	16,659.00	7,678.61	84.18	161.70	94.66	1,782.50	1,410.75	4,496.15	4,325.47	170.67	26.343		
12,700.00	7,630.00	16,659.00	7,678.61	84.61	161.70	94.66	1,782.50	1,410.75	4,580.05	4,410.78	169.28	27.057		
12,800.00	7,630.00	16,659.00	7,678.61	85.10	161.70	94.66	1,782.50	1,410.75	4,664.60	4,496.68	167.91	27.780		
12,900.00	7,630.00	16,659.00	7,678.61	85.64	161.70	94.66	1,782.50	1,410.75	4,749.74	4,583.15	166.59	28.512		
13,000.00	7,630.00	16,659.00	7,678.61	86.22	161.70	94.66	1,782.50	1,410.75	4,835.45	4,670.16	165.29	29.254		
13,100.00	7,630.00	16,659.00	7,678.61	86.86	161.70	94.66	1,782.50	1,410.75	4,921.70	4,757.67	164.03	30.004		
13,200.00	7,630.00	16,659.00	7,678.61	87.56	161.70	94.66	1,782.50	1,410.75	5,008.46	4,845.65	162.81	30.763		
13,300.00	7,630.00	16,659.00	7,678.61	88.30	161.70	94.66	1,782.50	1,410.75	5,095.71	4,934.10	161.61	31.531		
13,400.00	7,630.00	16,659.00	7,678.61	89.10	161.70	94.66	1,782.50	1,410.75	5,183.41	5,022.97	160.45	32.306		
13,500.00	7,630.00	16,659.00	7,678.61	89.94	161.70	94.66	1,782.50	1,410.75	5,271.56	5,112.24	159.32	33.088		
13,600.00	7,630.00	16,659.00	7,678.61	90.84	161.70	94.66	1,782.50	1,410.75	5,360.12	5,201.90	158.22	33.878		
13,700.00	7,630.00	16,659.00	7,678.61	91.78	161.70	94.66	1,782.50	1,410.75	5,449.08	5,291.93	157.15	34.675		
13,800.00	7,630.00	16,659.00	7,678.61	92.77	161.70	94.66	1,782.50	1,410.75	5,538.41	5,382.31	156.11	35.478		
13,900.00	7,630.00	16,659.00	7,678.61	93.79	161.70	94.66	1,782.50	1,410.75	5,628.11	5,473.01	155.09	36.288		
14,000.00	7,630.00	16,659.00	7,678.61	94.86	161.70	94.66	1,782.50	1,410.75	5,718.14	5,564.03	154.11	37.105		
14,100.00	7,630.00	16,659.00	7,678.61	95.97	161.70	94.66	1,782.50	1,410.75	5,808.50	5,655.35	153.15	37.927		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COMO 34N-14HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,630.00	16,659.00	7,678.61	97.11	161.70	94.66	1,782.50	1,410.75	5,899.17	5,746.96	152.22	38.755		
14,300.00	7,630.00	16,659.00	7,678.61	98.28	161.70	94.66	1,782.50	1,410.75	5,990.14	5,838.83	151.31	39.589		
14,400.00	7,630.00	16,659.00	7,678.61	99.48	161.70	94.66	1,782.50	1,410.75	6,081.39	5,930.97	150.42	40.428		
14,500.00	7,630.00	16,659.00	7,678.61	100.72	161.70	94.66	1,782.50	1,410.75	6,172.92	6,023.35	149.56	41.273		
14,600.00	7,630.00	16,659.00	7,678.61	101.97	161.70	94.66	1,782.50	1,410.75	6,264.70	6,115.97	148.73	42.122		
14,700.00	7,630.00	16,659.00	7,678.61	103.26	161.70	94.66	1,782.50	1,410.75	6,356.73	6,208.82	147.91	42.976		
14,800.00	7,630.00	16,659.00	7,678.61	104.56	161.70	94.66	1,782.50	1,410.75	6,449.00	6,301.88	147.12	43.835		
14,900.00	7,630.00	16,659.00	7,678.61	105.89	161.70	94.66	1,782.50	1,410.75	6,541.49	6,395.14	146.35	44.698		
15,000.00	7,630.00	16,659.00	7,678.61	107.24	161.70	94.66	1,782.50	1,410.75	6,634.21	6,488.61	145.60	45.565		
15,100.00	7,630.00	16,659.00	7,678.61	108.60	161.70	94.66	1,782.50	1,410.75	6,727.13	6,582.26	144.87	46.437		
15,200.00	7,630.00	16,659.00	7,678.61	109.98	161.70	94.66	1,782.50	1,410.75	6,820.25	6,676.10	144.15	47.312		
15,300.00	7,630.00	16,659.00	7,678.61	111.38	161.70	94.66	1,782.50	1,410.75	6,913.56	6,770.10	143.46	48.191		
15,400.00	7,630.00	16,659.00	7,678.61	112.79	161.70	94.66	1,782.50	1,410.75	7,007.06	6,864.28	142.78	49.074		
15,500.00	7,630.00	16,659.00	7,678.61	114.22	161.70	94.66	1,782.50	1,410.75	7,100.74	6,958.61	142.13	49.961		
15,600.00	7,630.00	16,659.00	7,678.61	115.66	161.70	94.66	1,782.50	1,410.75	7,194.58	7,053.10	141.49	50.850		
15,700.00	7,630.00	16,659.00	7,678.61	117.11	161.70	94.66	1,782.50	1,410.75	7,288.59	7,147.73	140.86	51.743		
15,800.00	7,630.00	16,659.00	7,678.61	118.57	161.70	94.66	1,782.50	1,410.75	7,382.76	7,242.51	140.25	52.639		
15,900.00	7,630.00	16,659.00	7,678.61	120.05	161.70	94.66	1,782.50	1,410.75	7,477.08	7,337.42	139.66	53.538		
16,000.00	7,630.00	16,659.00	7,678.61	121.53	161.70	94.66	1,782.50	1,410.75	7,571.54	7,432.46	139.08	54.440		
16,100.00	7,630.00	16,659.00	7,678.61	123.03	161.70	94.66	1,782.50	1,410.75	7,666.15	7,527.63	138.52	55.345		
16,200.00	7,630.00	16,659.00	7,678.61	124.53	161.70	94.66	1,782.50	1,410.75	7,760.89	7,622.92	137.97	56.252		
16,300.00	7,630.00	16,659.00	7,678.61	126.04	161.70	94.66	1,782.50	1,410.75	7,855.76	7,718.33	137.43	57.161		
16,400.00	7,630.00	16,659.00	7,678.61	127.56	161.70	94.66	1,782.50	1,410.75	7,950.75	7,813.84	136.91	58.073		
16,500.00	7,630.00	16,659.00	7,678.61	129.09	161.70	94.66	1,782.50	1,410.75	8,045.87	7,909.47	136.40	58.988		
16,600.00	7,630.00	16,659.00	7,678.61	130.62	161.70	94.66	1,782.50	1,410.75	8,141.10	8,005.20	135.90	59.904		
16,700.00	7,630.00	16,659.00	7,678.61	132.16	161.70	94.66	1,782.50	1,410.75	8,236.45	8,101.03	135.42	60.823		
16,800.00	7,630.00	16,659.00	7,678.61	133.71	161.70	94.66	1,782.50	1,410.75	8,331.91	8,196.96	134.94	61.743		
16,900.00	7,630.00	16,659.00	7,678.61	135.27	161.70	94.66	1,782.50	1,410.75	8,427.47	8,292.99	134.48	62.666		
17,000.00	7,630.00	16,659.00	7,678.61	136.83	161.70	94.66	1,782.50	1,410.75	8,523.13	8,389.10	134.03	63.590		
17,100.00	7,630.00	16,659.00	7,678.61	138.39	161.70	94.66	1,782.50	1,410.75	8,618.90	8,485.30	133.59	64.516		
17,200.00	7,630.00	16,659.00	7,678.61	139.97	161.70	94.66	1,782.50	1,410.75	8,714.75	8,581.59	133.16	65.444		
17,300.00	7,630.00	16,659.00	7,678.61	141.54	161.70	94.66	1,782.50	1,410.75	8,810.70	8,677.96	132.75	66.373		
17,400.00	7,630.00	16,659.00	7,678.61	143.12	161.70	94.66	1,782.50	1,410.75	8,906.74	8,774.40	132.34	67.303		
17,500.00	7,630.00	16,659.00	7,678.61	144.71	161.70	94.66	1,782.50	1,410.75	9,002.87	8,870.93	131.94	68.235		
17,600.00	7,630.00	16,659.00	7,678.61	146.30	161.70	94.66	1,782.50	1,410.75	9,099.07	8,967.53	131.55	69.169		
17,700.00	7,630.00	16,659.00	7,678.61	147.90	161.70	94.66	1,782.50	1,410.75	9,195.36	9,064.19	131.17	70.103		
17,800.00	7,630.00	16,659.00	7,678.61	149.50	161.70	94.66	1,782.50	1,410.75	9,291.73	9,160.93	130.80	71.039		
17,900.00	7,630.00	16,659.00	7,678.61	151.10	161.70	94.66	1,782.50	1,410.75	9,388.17	9,257.74	130.43	71.976		
18,000.00	7,630.00	16,659.00	7,678.61	152.71	161.70	94.66	1,782.50	1,410.75	9,484.69	9,354.61	130.08	72.914		
18,100.00	7,630.00	16,659.00	7,678.61	154.32	161.70	94.66	1,782.50	1,410.75	9,581.28	9,451.55	129.73	73.853		
18,200.00	7,630.00	16,659.00	7,678.61	155.94	161.70	94.66	1,782.50	1,410.75	9,677.94	9,548.54	129.40	74.793		
18,300.00	7,630.00	16,659.00	7,678.61	157.56	161.70	94.66	1,782.50	1,410.75	9,774.66	9,645.60	129.07	75.734		
18,400.00	7,630.00	16,659.00	7,678.61	159.18	161.70	94.66	1,782.50	1,410.75	9,871.45	9,742.71	128.74	76.675		
18,500.00	7,630.00	16,659.00	7,678.61	160.80	161.70	94.66	1,782.50	1,410.75	9,968.31	9,839.88	128.43	77.618		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COMO13C-14HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	16,530.00	7,789.95	0.00	159.85	42.21	1,780.17	1,614.75	8,297.65					
100.00	100.00	16,530.00	7,789.95	0.13	159.85	42.21	1,780.17	1,614.75	8,201.99	8,124.75	77.24	106.193		
200.00	200.00	16,530.00	7,789.95	0.49	159.85	42.21	1,780.17	1,614.75	8,106.43	8,029.11	77.33	104.833		
300.00	300.00	16,530.00	7,789.95	0.85	159.85	42.21	1,780.17	1,614.75	8,010.98	7,933.55	77.43	103.459		
400.00	400.00	16,530.00	7,789.95	1.21	159.85	42.21	1,780.17	1,614.75	7,915.65	7,838.10	77.55	102.074		
500.00	500.00	16,530.00	7,789.95	1.57	159.85	42.21	1,780.17	1,614.75	7,820.43	7,742.75	77.68	100.677		
600.00	600.00	16,530.00	7,789.95	1.93	159.85	42.21	1,780.17	1,614.75	7,725.33	7,647.51	77.82	99.269		
700.00	700.00	16,530.00	7,789.95	2.29	159.85	42.21	1,780.17	1,614.75	7,630.35	7,552.37	77.98	97.851		
800.00	799.98	16,530.00	7,789.95	2.64	159.85	-21.81	1,780.17	1,614.75	7,535.00	7,456.86	78.15	96.420		
900.00	899.84	16,530.00	7,789.95	2.99	159.85	-24.58	1,780.17	1,614.75	7,438.83	7,360.52	78.31	94.988		
1,000.00	999.45	16,530.00	7,789.95	3.35	159.85	-28.06	1,780.17	1,614.75	7,341.93	7,263.46	78.46	93.571		
1,100.00	1,098.70	16,530.00	7,789.95	3.73	159.85	-32.53	1,780.17	1,614.75	7,244.38	7,165.78	78.60	92.173		
1,200.00	1,197.47	16,530.00	7,789.95	4.11	159.85	-38.40	1,780.17	1,614.75	7,146.28	7,067.57	78.71	90.795		
1,300.00	1,295.62	16,530.00	7,789.95	4.53	159.85	-46.21	1,780.17	1,614.75	7,047.73	6,968.93	78.80	89.439		
1,400.00	1,393.06	16,530.00	7,789.95	4.97	159.85	-56.63	1,780.17	1,614.75	6,948.84	6,869.97	78.87	88.107		
1,500.00	1,489.64	16,530.00	7,789.95	5.44	159.85	-70.09	1,780.17	1,614.75	6,849.70	6,770.79	78.91	86.801		
1,600.00	1,585.27	16,530.00	7,789.95	5.95	159.85	-86.02	1,780.17	1,614.75	6,750.44	6,671.51	78.93	85.521		
1,700.00	1,679.82	16,530.00	7,789.95	6.51	159.85	-102.34	1,780.17	1,614.75	6,651.18	6,572.25	78.93	84.267		
1,800.00	1,773.17	16,530.00	7,789.95	7.13	159.85	-116.68	1,780.17	1,614.75	6,552.03	6,473.13	78.90	83.041		
1,900.00	1,865.21	16,530.00	7,789.95	7.79	159.85	-128.00	1,780.17	1,614.75	6,453.12	6,374.27	78.85	81.841		
2,000.00	1,955.84	16,530.00	7,789.95	8.51	159.85	-136.53	1,780.17	1,614.75	6,354.60	6,275.82	78.77	80.668		
2,100.00	2,044.94	16,530.00	7,789.95	9.30	159.85	-142.91	1,780.17	1,614.75	6,256.59	6,177.91	78.68	79.520		
2,200.00	2,132.39	16,530.00	7,789.95	10.15	159.85	-147.75	1,780.17	1,614.75	6,159.25	6,080.69	78.57	78.395		
2,300.00	2,218.11	16,530.00	7,789.95	11.07	159.85	-151.48	1,780.17	1,614.75	6,062.74	5,984.30	78.44	77.291		
2,400.00	2,301.97	16,530.00	7,789.95	12.06	159.85	-154.42	1,780.17	1,614.75	5,967.20	5,888.90	78.30	76.206		
2,500.00	2,383.88	16,530.00	7,789.95	13.11	159.85	-156.79	1,780.17	1,614.75	5,872.82	5,794.65	78.16	75.135		
2,512.74	2,394.17	16,530.00	7,789.95	13.25	159.85	-157.05	1,780.17	1,614.75	5,860.89	5,782.75	78.14	75.005		
2,600.00	2,464.54	16,530.00	7,789.95	14.22	159.85	-157.05	1,780.17	1,614.75	5,779.30	5,701.27	78.04	74.060		
2,700.00	2,545.18	16,530.00	7,789.95	15.35	159.85	-157.05	1,780.17	1,614.75	5,686.02	5,608.09	77.94	72.957		
2,800.00	2,625.82	16,530.00	7,789.95	16.50	159.85	-157.05	1,780.17	1,614.75	5,592.97	5,515.11	77.86	71.837		
2,900.00	2,706.45	16,530.00	7,789.95	17.65	159.85	-157.05	1,780.17	1,614.75	5,500.16	5,422.37	77.80	70.699		
3,000.00	2,787.09	16,530.00	7,789.95	18.82	159.85	-157.05	1,780.17	1,614.75	5,407.61	5,329.85	77.76	69.544		
3,100.00	2,867.73	16,530.00	7,789.95	19.99	159.85	-157.05	1,780.17	1,614.75	5,315.33	5,237.59	77.74	68.373		
3,200.00	2,948.37	16,530.00	7,789.95	21.17	159.85	-157.05	1,780.17	1,614.75	5,223.33	5,145.59	77.74	67.187		
3,300.00	3,029.01	16,530.00	7,789.95	22.36	159.85	-157.05	1,780.17	1,614.75	5,131.64	5,053.87	77.77	65.985		
3,400.00	3,109.65	16,530.00	7,789.95	23.55	159.85	-157.05	1,780.17	1,614.75	5,040.26	4,962.44	77.82	64.768		
3,500.00	3,190.29	16,530.00	7,789.95	24.74	159.85	-157.05	1,780.17	1,614.75	4,949.21	4,871.31	77.89	63.537		
3,600.00	3,270.93	16,530.00	7,789.95	25.94	159.85	-157.05	1,780.17	1,614.75	4,858.51	4,780.51	78.00	62.291		
3,700.00	3,351.57	16,530.00	7,789.95	27.14	159.85	-157.05	1,780.17	1,614.75	4,768.19	4,690.06	78.13	61.030		
3,800.00	3,432.21	16,530.00	7,789.95	28.35	159.85	-157.05	1,780.17	1,614.75	4,678.26	4,599.96	78.29	59.754		
3,900.00	3,512.85	16,530.00	7,789.95	29.56	159.85	-157.05	1,780.17	1,614.75	4,588.74	4,510.25	78.49	58.463		
4,000.00	3,593.49	16,530.00	7,789.95	30.76	159.85	-157.05	1,780.17	1,614.75	4,499.67	4,420.95	78.72	57.157		
4,100.00	3,674.13	16,530.00	7,789.95	31.97	159.85	-157.05	1,780.17	1,614.75	4,411.07	4,332.07	79.00	55.836		
4,200.00	3,754.77	16,530.00	7,789.95	33.19	159.85	-157.05	1,780.17	1,614.75	4,322.96	4,243.64	79.32	54.500		
4,300.00	3,835.41	16,530.00	7,789.95	34.40	159.85	-157.05	1,780.17	1,614.75	4,235.38	4,155.69	79.69	53.147		
4,400.00	3,916.05	16,530.00	7,789.95	35.62	159.85	-157.05	1,780.17	1,614.75	4,148.37	4,068.25	80.12	51.779		
4,500.00	3,996.69	16,530.00	7,789.95	36.83	159.85	-157.05	1,780.17	1,614.75	4,061.95	3,981.35	80.60	50.395		
4,600.00	4,077.33	16,530.00	7,789.95	38.05	159.85	-157.05	1,780.17	1,614.75	3,976.17	3,895.01	81.15	48.996		
4,700.00	4,157.96	16,530.00	7,789.95	39.27	159.85	-157.05	1,780.17	1,614.75	3,891.06	3,809.29	81.78	47.581		
4,800.00	4,238.60	16,530.00	7,789.95	40.49	159.85	-157.05	1,780.17	1,614.75	3,806.69	3,724.20	82.48	46.150		
4,900.00	4,319.24	16,530.00	7,789.95	41.71	159.85	-157.05	1,780.17	1,614.75	3,723.08	3,639.80	83.28	44.706		
5,000.00	4,399.88	16,530.00	7,789.95	42.93	159.85	-157.05	1,780.17	1,614.75	3,640.30	3,556.13	84.17	43.248		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COMO13C-14HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,480.52	16,530.00	7,789.95	44.15	159.85	-157.05	1,780.17	1,614.75	3,558.41	3,473.24	85.17	41.779		
5,200.00	4,561.16	16,530.00	7,789.95	45.37	159.85	-157.05	1,780.17	1,614.75	3,477.47	3,391.18	86.29	40.300		
5,300.00	4,641.80	16,530.00	7,789.95	46.59	159.85	-157.05	1,780.17	1,614.75	3,397.53	3,310.00	87.54	38.813		
5,400.00	4,722.44	16,530.00	7,789.95	47.82	159.85	-157.05	1,780.17	1,614.75	3,318.69	3,229.77	88.92	37.322		
5,500.00	4,803.08	16,530.00	7,789.95	49.04	159.85	-157.05	1,780.17	1,614.75	3,241.02	3,150.56	90.46	35.829		
5,600.00	4,883.72	16,530.00	7,789.95	50.27	159.85	-157.05	1,780.17	1,614.75	3,164.60	3,072.44	92.16	34.339		
5,700.00	4,964.36	16,530.00	7,789.95	51.49	159.85	-157.05	1,780.17	1,614.75	3,089.52	2,995.49	94.03	32.856		
5,800.00	5,045.00	16,530.00	7,789.95	52.71	159.85	-157.05	1,780.17	1,614.75	3,015.90	2,919.80	96.09	31.385		
5,900.00	5,125.64	16,530.00	7,789.95	53.94	159.85	-157.05	1,780.17	1,614.75	2,943.82	2,845.47	98.35	29.931		
6,000.00	5,206.28	16,530.00	7,789.95	55.17	159.85	-157.05	1,780.17	1,614.75	2,873.43	2,772.60	100.82	28.499		
6,100.00	5,286.92	16,530.00	7,789.95	56.39	159.85	-157.05	1,780.17	1,614.75	2,804.83	2,701.32	103.51	27.097		
6,200.00	5,367.56	16,530.00	7,789.95	57.62	159.85	-157.05	1,780.17	1,614.75	2,738.16	2,631.74	106.43	25.728		
6,300.00	5,448.20	16,530.00	7,789.95	58.84	159.85	-157.05	1,780.17	1,614.75	2,673.58	2,564.01	109.57	24.401		
6,400.00	5,528.84	16,530.00	7,789.95	60.07	159.85	-157.05	1,780.17	1,614.75	2,611.22	2,498.27	112.95	23.118		
6,500.00	5,609.47	16,530.00	7,789.95	61.30	159.85	-157.05	1,780.17	1,614.75	2,551.27	2,434.70	116.56	21.887		
6,600.00	5,690.11	16,530.00	7,789.95	62.53	159.85	-157.05	1,780.17	1,614.75	2,493.88	2,373.47	120.41	20.712		
6,700.00	5,770.75	16,530.00	7,789.95	63.75	159.85	-157.05	1,780.17	1,614.75	2,439.25	2,314.77	124.47	19.597		
6,800.00	5,851.39	16,530.00	7,789.95	64.98	159.85	-157.05	1,780.17	1,614.75	2,387.55	2,258.81	128.74	18.545		
6,900.00	5,932.03	16,530.00	7,789.95	66.21	159.85	-157.05	1,780.17	1,614.75	2,338.99	2,205.78	133.21	17.559		
7,000.00	6,012.67	16,530.00	7,789.95	67.44	159.85	-157.05	1,780.17	1,614.75	2,293.76	2,155.93	137.83	16.642		
7,100.00	6,093.31	16,530.00	7,789.95	68.66	159.85	-157.05	1,780.17	1,614.75	2,252.07	2,109.48	142.59	15.794		
7,200.00	6,173.95	16,530.00	7,789.95	69.89	159.85	-157.05	1,780.17	1,614.75	2,214.11	2,066.66	147.46	15.015		
7,300.00	6,254.59	16,530.00	7,789.95	71.12	159.85	-157.05	1,780.17	1,614.75	2,180.09	2,027.71	152.38	14.307		
7,400.00	6,335.23	16,530.00	7,789.95	72.35	159.85	-157.05	1,780.17	1,614.75	2,150.18	1,992.87	157.31	13.668		
7,500.00	6,415.87	16,530.00	7,789.95	73.58	159.85	-157.05	1,780.17	1,614.75	2,124.56	1,962.35	162.21	13.098		
7,600.00	6,496.51	16,530.00	7,789.95	74.81	159.85	-157.05	1,780.17	1,614.75	2,103.38	1,936.37	167.02	12.594		
7,700.00	6,577.15	16,530.00	7,789.95	76.04	159.85	-157.05	1,780.17	1,614.75	2,086.79	1,915.11	171.68	12.155		
7,800.00	6,657.79	16,530.00	7,789.95	77.27	159.85	-157.05	1,780.17	1,614.75	2,074.89	1,898.73	176.16	11.778		
7,900.00	6,738.43	16,530.00	7,789.95	78.50	159.85	-157.05	1,780.17	1,614.75	2,067.76	1,887.37	180.40	11.462		
7,997.61	6,817.14	16,530.00	7,789.95	79.70	159.85	-157.05	1,780.17	1,614.75	2,065.46	1,881.20	184.26	11.209 CC		
8,000.00	6,819.07	16,530.00	7,789.95	79.73	159.85	-157.05	1,780.17	1,614.75	2,065.46	1,881.11	184.35	11.204		
8,100.00	6,899.71	16,530.00	7,789.95	80.96	159.85	-157.05	1,780.17	1,614.75	2,067.99	1,880.01	187.99	11.001 ES		
8,200.00	6,980.35	16,530.00	7,789.95	82.18	159.85	-157.05	1,780.17	1,614.75	2,075.35	1,884.08	191.27	10.850		
8,240.58	7,013.07	16,530.00	7,789.95	82.68	159.85	-157.05	1,780.17	1,614.75	2,079.70	1,887.20	192.50	10.804		
8,250.00	7,020.68	16,530.00	7,789.95	82.80	159.85	-158.36	1,780.17	1,614.75	2,080.82	1,888.04	192.78	10.794		
8,300.00	7,061.63	16,530.00	7,789.95	83.40	159.85	-165.77	1,780.17	1,614.75	2,087.43	1,893.17	194.26	10.746		
8,350.00	7,103.23	16,531.06	7,789.92	83.97	159.87	-173.91	1,779.11	1,614.79	2,095.11	1,899.39	195.72	10.705		
8,400.00	7,145.18	16,528.35	7,790.01	84.51	159.82	-177.61	1,781.82	1,614.68	2,103.78	1,906.58	197.20	10.668		
8,450.00	7,187.16	16,530.00	7,789.95	85.01	159.85	-168.88	1,780.17	1,614.75	2,113.37	1,914.76	198.61	10.641		
8,500.00	7,228.84	16,530.00	7,789.95	85.46	159.85	-160.41	1,780.17	1,614.75	2,123.80	1,923.80	200.00	10.619		
8,550.00	7,269.91	16,530.00	7,789.95	85.86	159.85	-152.42	1,780.17	1,614.75	2,134.97	1,933.63	201.34	10.604		
8,600.00	7,310.05	16,530.00	7,789.95	86.20	159.85	-145.08	1,780.17	1,614.75	2,146.79	1,944.16	202.64	10.594		
8,650.00	7,348.97	16,530.00	7,789.95	86.50	159.85	-138.46	1,780.17	1,614.75	2,159.16	1,955.29	203.87	10.591 SF		
8,700.00	7,386.36	16,530.00	7,789.95	86.74	159.85	-132.54	1,780.17	1,614.75	2,171.97	1,966.93	205.04	10.593		
8,750.00	7,421.94	16,530.00	7,789.95	86.93	159.85	-127.29	1,780.17	1,614.75	2,185.12	1,978.98	206.14	10.600		
8,800.00	7,455.44	16,530.00	7,789.95	87.07	159.85	-122.63	1,780.17	1,614.75	2,198.51	1,991.34	207.18	10.612		
8,850.00	7,486.61	16,530.00	7,789.95	87.16	159.85	-118.50	1,780.17	1,614.75	2,212.03	2,003.89	208.14	10.628		
8,900.00	7,515.20	16,530.00	7,789.95	87.20	159.85	-114.83	1,780.17	1,614.75	2,225.57	2,016.55	209.02	10.647		
8,950.00	7,541.00	16,530.00	7,789.95	87.21	159.85	-111.58	1,780.17	1,614.75	2,239.04	2,029.21	209.83	10.670		
9,000.00	7,563.81	16,530.00	7,789.95	87.17	159.85	-108.70	1,780.17	1,614.75	2,252.33	2,041.76	210.57	10.696		
9,050.00	7,583.47	16,530.00	7,789.95	87.10	159.85	-106.16	1,780.17	1,614.75	2,265.35	2,054.12	211.23	10.725		
9,100.00	7,599.81	16,530.00	7,789.95	87.00	159.85	-103.94	1,780.17	1,614.75	2,278.00	2,066.19	211.80	10.755		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COMO13C-14HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,150.00	7,612.72	16,530.00	7,789.95	86.88	159.85	102.01	1,780.17	1,614.75	2,290.19	2,077.89	212.30	10.787		
9,200.00	7,622.09	16,530.00	7,789.95	86.72	159.85	100.38	1,780.17	1,614.75	2,301.84	2,089.12	212.72	10.821		
9,250.00	7,627.87	16,530.00	7,789.95	86.55	159.85	99.02	1,780.17	1,614.75	2,312.87	2,099.81	213.06	10.856		
9,303.98	7,630.00	16,530.00	7,789.95	86.35	159.85	97.87	1,780.17	1,614.75	2,323.99	2,110.66	213.33	10.894		
9,400.00	7,630.00	16,530.00	7,789.95	85.99	159.85	97.87	1,780.17	1,614.75	2,344.89	2,131.30	213.59	10.978		
9,500.00	7,630.00	16,530.00	7,789.95	85.62	159.85	97.87	1,780.17	1,614.75	2,370.60	2,157.01	213.59	11.099		
9,600.00	7,630.00	16,530.00	7,789.95	85.28	159.85	97.87	1,780.17	1,614.75	2,400.20	2,186.89	213.31	11.252		
9,700.00	7,630.00	16,530.00	7,789.95	84.95	159.85	97.87	1,780.17	1,614.75	2,433.55	2,220.77	212.79	11.437		
9,800.00	7,630.00	16,530.00	7,789.95	84.64	159.85	97.87	1,780.17	1,614.75	2,470.51	2,258.48	212.03	11.652		
9,900.00	7,630.00	16,530.00	7,789.95	84.34	159.85	97.87	1,780.17	1,614.75	2,510.90	2,299.85	211.06	11.897		
10,000.00	7,630.00	16,530.00	7,789.95	84.06	159.85	97.87	1,780.17	1,614.75	2,554.58	2,344.68	209.90	12.170		
10,100.00	7,630.00	16,530.00	7,789.95	83.80	159.85	97.87	1,780.17	1,614.75	2,601.36	2,392.78	208.58	12.472		
10,200.00	7,630.00	16,530.00	7,789.95	83.56	159.85	97.87	1,780.17	1,614.75	2,651.10	2,443.98	207.12	12.800		
10,300.00	7,630.00	16,530.00	7,789.95	83.33	159.85	97.87	1,780.17	1,614.75	2,703.62	2,498.08	205.54	13.154		
10,400.00	7,630.00	16,530.00	7,789.95	83.12	159.85	97.87	1,780.17	1,614.75	2,758.76	2,554.90	203.86	13.533		
10,500.00	7,630.00	16,530.00	7,789.95	82.92	159.85	97.87	1,780.17	1,614.75	2,816.38	2,614.28	202.10	13.935		
10,600.00	7,630.00	16,530.00	7,789.95	82.75	159.85	97.87	1,780.17	1,614.75	2,876.32	2,676.03	200.29	14.361		
10,700.00	7,630.00	16,530.00	7,789.95	82.59	159.85	97.87	1,780.17	1,614.75	2,938.44	2,740.02	198.42	14.809		
10,800.00	7,630.00	16,530.00	7,789.95	82.45	159.85	97.87	1,780.17	1,614.75	3,002.61	2,806.08	196.53	15.278		
10,900.00	7,630.00	16,530.00	7,789.95	82.33	159.85	97.87	1,780.17	1,614.75	3,068.70	2,874.08	194.61	15.768		
11,000.00	7,630.00	16,530.00	7,789.95	82.22	159.85	97.87	1,780.17	1,614.75	3,136.58	2,943.89	192.69	16.278		
11,100.00	7,630.00	16,530.00	7,789.95	82.14	159.85	97.87	1,780.17	1,614.75	3,206.14	3,015.37	190.77	16.806		
11,200.00	7,630.00	16,530.00	7,789.95	82.08	159.85	97.87	1,780.17	1,614.75	3,277.28	3,088.42	188.86	17.353		
11,300.00	7,630.00	16,530.00	7,789.95	82.04	159.85	97.87	1,780.17	1,614.75	3,349.90	3,162.93	186.97	17.917		
11,400.00	7,630.00	16,530.00	7,789.95	82.02	159.85	97.87	1,780.17	1,614.75	3,423.89	3,238.79	185.10	18.498		
11,500.00	7,630.00	16,530.00	7,789.95	82.03	159.85	97.87	1,780.17	1,614.75	3,499.18	3,315.93	183.25	19.095		
11,600.00	7,630.00	16,530.00	7,789.95	82.06	159.85	97.87	1,780.17	1,614.75	3,575.68	3,394.24	181.44	19.707		
11,700.00	7,630.00	16,530.00	7,789.95	82.12	159.85	97.87	1,780.17	1,614.75	3,653.32	3,473.66	179.66	20.335		
11,800.00	7,630.00	16,530.00	7,789.95	82.21	159.85	97.87	1,780.17	1,614.75	3,732.02	3,554.10	177.91	20.977		
11,900.00	7,630.00	16,530.00	7,789.95	82.33	159.85	97.87	1,780.17	1,614.75	3,811.71	3,635.51	176.20	21.632		
12,000.00	7,630.00	16,530.00	7,789.95	82.48	159.85	97.87	1,780.17	1,614.75	3,892.35	3,717.81	174.54	22.301		
12,100.00	7,630.00	16,530.00	7,789.95	82.66	159.85	97.87	1,780.17	1,614.75	3,973.87	3,800.96	172.91	22.982		
12,200.00	7,630.00	16,530.00	7,789.95	82.88	159.85	97.87	1,780.17	1,614.75	4,056.21	3,884.89	171.32	23.676		
12,300.00	7,630.00	16,530.00	7,789.95	83.14	159.85	97.87	1,780.17	1,614.75	4,139.33	3,969.56	169.77	24.381		
12,400.00	7,630.00	16,530.00	7,789.95	83.44	159.85	97.87	1,780.17	1,614.75	4,223.19	4,054.92	168.27	25.098		
12,500.00	7,630.00	16,530.00	7,789.95	83.79	159.85	97.87	1,780.17	1,614.75	4,307.73	4,140.93	166.80	25.825		
12,600.00	7,630.00	16,530.00	7,789.95	84.18	159.85	97.87	1,780.17	1,614.75	4,392.92	4,227.54	165.38	26.563		
12,700.00	7,630.00	16,530.00	7,789.95	84.61	159.85	97.87	1,780.17	1,614.75	4,478.73	4,314.73	163.99	27.311		
12,800.00	7,630.00	16,530.00	7,789.95	85.10	159.85	97.87	1,780.17	1,614.75	4,565.11	4,402.46	162.65	28.068		
12,900.00	7,630.00	16,530.00	7,789.95	85.64	159.85	97.87	1,780.17	1,614.75	4,652.04	4,490.70	161.34	28.834		
13,000.00	7,630.00	16,530.00	7,789.95	86.22	159.85	97.87	1,780.17	1,614.75	4,739.48	4,579.41	160.07	29.609		
13,100.00	7,630.00	16,530.00	7,789.95	86.86	159.85	97.87	1,780.17	1,614.75	4,827.41	4,668.58	158.83	30.393		
13,200.00	7,630.00	16,530.00	7,789.95	87.56	159.85	97.87	1,780.17	1,614.75	4,915.80	4,758.17	157.63	31.185		
13,300.00	7,630.00	16,530.00	7,789.95	88.30	159.85	97.87	1,780.17	1,614.75	5,004.63	4,848.16	156.47	31.984		
13,400.00	7,630.00	16,530.00	7,789.95	89.10	159.85	97.87	1,780.17	1,614.75	5,093.88	4,938.53	155.34	32.792		
13,500.00	7,630.00	16,530.00	7,789.95	89.94	159.85	97.87	1,780.17	1,614.75	5,183.51	5,029.27	154.24	33.606		
13,600.00	7,630.00	16,530.00	7,789.95	90.84	159.85	97.87	1,780.17	1,614.75	5,273.52	5,120.34	153.18	34.427		
13,700.00	7,630.00	16,530.00	7,789.95	91.78	159.85	97.87	1,780.17	1,614.75	5,363.88	5,211.74	152.14	35.255		
13,800.00	7,630.00	16,530.00	7,789.95	92.77	159.85	97.87	1,780.17	1,614.75	5,454.58	5,303.44	151.14	36.090		
13,900.00	7,630.00	16,530.00	7,789.95	93.79	159.85	97.87	1,780.17	1,614.75	5,545.60	5,395.44	150.16	36.930		
14,000.00	7,630.00	16,530.00	7,789.95	94.86	159.85	97.87	1,780.17	1,614.75	5,636.93	5,487.71	149.22	37.777		
14,100.00	7,630.00	16,530.00	7,789.95	95.97	159.85	97.87	1,780.17	1,614.75	5,728.54	5,580.24	148.30	38.629		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COMO13C-14HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,630.00	16,530.00	7,789.95	97.11	159.85	97.87	1,780.17	1,614.75	5,820.43	5,673.02	147.40	39.486		
14,300.00	7,630.00	16,530.00	7,789.95	98.28	159.85	97.87	1,780.17	1,614.75	5,912.58	5,766.04	146.54	40.349		
14,400.00	7,630.00	16,530.00	7,789.95	99.48	159.85	97.87	1,780.17	1,614.75	6,004.98	5,859.29	145.69	41.217		
14,500.00	7,630.00	16,530.00	7,789.95	100.72	159.85	97.87	1,780.17	1,614.75	6,097.63	5,952.75	144.87	42.089		
14,600.00	7,630.00	16,530.00	7,789.95	101.97	159.85	97.87	1,780.17	1,614.75	6,190.50	6,046.42	144.08	42.966		
14,700.00	7,630.00	16,530.00	7,789.95	103.26	159.85	97.87	1,780.17	1,614.75	6,283.59	6,140.29	143.30	43.848		
14,800.00	7,630.00	16,530.00	7,789.95	104.56	159.85	97.87	1,780.17	1,614.75	6,376.89	6,234.34	142.55	44.734		
14,900.00	7,630.00	16,530.00	7,789.95	105.89	159.85	97.87	1,780.17	1,614.75	6,470.39	6,328.57	141.82	45.624		
15,000.00	7,630.00	16,530.00	7,789.95	107.24	159.85	97.87	1,780.17	1,614.75	6,564.08	6,422.97	141.11	46.517		
15,100.00	7,630.00	16,530.00	7,789.95	108.60	159.85	97.87	1,780.17	1,614.75	6,657.96	6,517.54	140.42	47.415		
15,200.00	7,630.00	16,530.00	7,789.95	109.98	159.85	97.87	1,780.17	1,614.75	6,752.01	6,612.26	139.75	48.316		
15,300.00	7,630.00	16,530.00	7,789.95	111.38	159.85	97.87	1,780.17	1,614.75	6,846.23	6,707.14	139.09	49.220		
15,400.00	7,630.00	16,530.00	7,789.95	112.79	159.85	97.87	1,780.17	1,614.75	6,940.61	6,802.16	138.46	50.128		
15,500.00	7,630.00	16,530.00	7,789.95	114.22	159.85	97.87	1,780.17	1,614.75	7,035.15	6,897.31	137.84	51.039		
15,600.00	7,630.00	16,530.00	7,789.95	115.66	159.85	97.87	1,780.17	1,614.75	7,129.84	6,992.60	137.24	51.953		
15,700.00	7,630.00	16,530.00	7,789.95	117.11	159.85	97.87	1,780.17	1,614.75	7,224.66	7,088.02	136.65	52.870		
15,800.00	7,630.00	16,530.00	7,789.95	118.57	159.85	97.87	1,780.17	1,614.75	7,319.63	7,183.55	136.08	53.790		
15,900.00	7,630.00	16,530.00	7,789.95	120.05	159.85	97.87	1,780.17	1,614.75	7,414.73	7,279.21	135.52	54.712		
16,000.00	7,630.00	16,530.00	7,789.95	121.53	159.85	97.87	1,780.17	1,614.75	7,509.96	7,374.98	134.98	55.637		
16,100.00	7,630.00	16,530.00	7,789.95	123.03	159.85	97.87	1,780.17	1,614.75	7,605.31	7,470.85	134.45	56.564		
16,200.00	7,630.00	16,530.00	7,789.95	124.53	159.85	97.87	1,780.17	1,614.75	7,700.77	7,566.83	133.94	57.494		
16,300.00	7,630.00	16,530.00	7,789.95	126.04	159.85	97.87	1,780.17	1,614.75	7,796.35	7,662.91	133.44	58.425		
16,400.00	7,630.00	16,530.00	7,789.95	127.56	159.85	97.87	1,780.17	1,614.75	7,892.04	7,759.09	132.95	59.359		
16,500.00	7,630.00	16,530.00	7,789.95	129.09	159.85	97.87	1,780.17	1,614.75	7,987.84	7,855.36	132.48	60.295		
16,600.00	7,630.00	16,530.00	7,789.95	130.62	159.85	97.87	1,780.17	1,614.75	8,083.74	7,951.72	132.02	61.232		
16,700.00	7,630.00	16,530.00	7,789.95	132.16	159.85	97.87	1,780.17	1,614.75	8,179.73	8,048.17	131.57	62.172		
16,800.00	7,630.00	16,530.00	7,789.95	133.71	159.85	97.87	1,780.17	1,614.75	8,275.82	8,144.70	131.13	63.113		
16,900.00	7,630.00	16,530.00	7,789.95	135.27	159.85	97.87	1,780.17	1,614.75	8,372.01	8,241.31	130.70	64.056		
17,000.00	7,630.00	16,530.00	7,789.95	136.83	159.85	97.87	1,780.17	1,614.75	8,468.28	8,338.00	130.28	65.000		
17,100.00	7,630.00	16,530.00	7,789.95	138.39	159.85	97.87	1,780.17	1,614.75	8,564.63	8,434.76	129.87	65.946		
17,200.00	7,630.00	16,530.00	7,789.95	139.97	159.85	97.87	1,780.17	1,614.75	8,661.07	8,531.60	129.48	66.893		
17,300.00	7,630.00	16,530.00	7,789.95	141.54	159.85	97.87	1,780.17	1,614.75	8,757.59	8,628.50	129.09	67.841		
17,400.00	7,630.00	16,530.00	7,789.95	143.12	159.85	97.87	1,780.17	1,614.75	8,854.19	8,725.47	128.71	68.791		
17,500.00	7,630.00	16,530.00	7,789.95	144.71	159.85	97.87	1,780.17	1,614.75	8,950.86	8,822.51	128.34	69.741		
17,600.00	7,630.00	16,530.00	7,789.95	146.30	159.85	97.87	1,780.17	1,614.75	9,047.60	8,919.62	127.98	70.693		
17,700.00	7,630.00	16,530.00	7,789.95	147.90	159.85	97.87	1,780.17	1,614.75	9,144.41	9,016.78	127.63	71.646		
17,800.00	7,630.00	16,530.00	7,789.95	149.50	159.85	97.87	1,780.17	1,614.75	9,241.30	9,114.00	127.29	72.600		
17,900.00	7,630.00	16,530.00	7,789.95	151.10	159.85	97.87	1,780.17	1,614.75	9,338.24	9,211.28	126.96	73.554		
18,000.00	7,630.00	16,530.00	7,789.95	152.71	159.85	97.87	1,780.17	1,614.75	9,435.25	9,308.62	126.63	74.510		
18,100.00	7,630.00	16,530.00	7,789.95	154.32	159.85	97.87	1,780.17	1,614.75	9,532.32	9,406.01	126.31	75.466		
18,200.00	7,630.00	16,530.00	7,789.95	155.94	159.85	97.87	1,780.17	1,614.75	9,629.46	9,503.45	126.00	76.423		
18,300.00	7,630.00	16,530.00	7,789.95	157.56	159.85	97.87	1,780.17	1,614.75	9,726.65	9,600.95	125.70	77.380		
18,400.00	7,630.00	16,530.00	7,789.95	159.18	159.85	97.87	1,780.17	1,614.75	9,823.89	9,698.49	125.40	78.338		
18,500.00	7,630.00	16,530.00	7,789.95	160.80	159.85	97.87	1,780.17	1,614.75	9,921.20	9,796.08	125.11	79.297		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1A-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 184-MWD OWSSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	-54.68	787.25	-1,111.02	1,361.71					
100.00	100.00	84.60	84.60	0.13	0.13	-54.68	787.28	-1,111.16	1,361.80	1,361.54	0.27	5,091.855		
200.00	200.00	179.66	179.66	0.49	0.28	-54.69	787.39	-1,111.68	1,362.31	1,361.53	0.78	1,757.686	ES	
300.00	300.00	276.79	276.78	0.85	0.62	-54.70	787.62	-1,112.45	1,363.10	1,361.63	1.47	925.455		
400.00	400.00	375.09	375.08	1.21	0.97	-54.71	788.05	-1,113.35	1,364.10	1,361.91	2.18	624.713		
500.00	500.00	481.09	481.07	1.57	1.35	-54.71	788.43	-1,114.12	1,364.90	1,361.98	2.92	467.144		
600.00	600.00	561.28	561.26	1.93	1.64	-54.72	788.74	-1,114.78	1,365.87	1,362.31	3.57	382.818		
700.00	700.00	615.33	615.28	2.29	1.84	-54.72	789.86	-1,116.24	1,369.42	1,365.30	4.12	332.328		
800.00	799.98	654.00	653.85	2.64	1.98	-116.35	791.93	-1,118.08	1,377.55	1,372.94	4.61	298.842		
900.00	899.84	726.01	725.43	2.99	2.25	-116.14	798.35	-1,122.48	1,390.18	1,384.97	5.21	266.584		
1,000.00	999.45	799.25	797.94	3.35	2.52	-115.90	807.28	-1,127.66	1,406.80	1,400.96	5.83	241.280		
1,100.00	1,098.70	881.04	878.74	3.73	2.84	-115.71	818.18	-1,134.16	1,426.30	1,419.82	6.49	219.920		
1,200.00	1,197.47	966.55	963.07	4.11	3.19	-115.56	830.34	-1,141.38	1,448.24	1,441.07	7.17	201.957		
1,300.00	1,295.62	1,073.01	1,067.96	4.53	3.64	-115.55	846.20	-1,150.34	1,472.08	1,464.12	7.96	184.844		
1,400.00	1,393.06	1,177.13	1,170.60	4.97	4.08	-115.58	862.13	-1,157.47	1,496.39	1,487.61	8.77	170.538		
1,500.00	1,489.64	1,276.29	1,268.45	5.44	4.50	-115.70	876.69	-1,164.40	1,522.06	1,512.47	9.59	158.645		
1,600.00	1,585.27	1,367.65	1,358.63	5.95	4.89	-115.85	889.69	-1,171.06	1,549.36	1,538.95	10.41	148.841		
1,700.00	1,679.82	1,508.21	1,497.76	6.51	5.48	-116.50	907.91	-1,179.13	1,576.21	1,564.74	11.47	137.378		
1,800.00	1,773.17	1,599.51	1,588.21	7.13	5.86	-116.81	919.48	-1,183.63	1,604.36	1,592.01	12.36	129.814		
1,900.00	1,865.21	1,684.46	1,672.41	7.79	6.21	-117.12	929.74	-1,188.32	1,634.59	1,621.34	13.25	123.360		
2,000.00	1,955.84	1,766.05	1,753.33	8.51	6.55	-117.47	938.52	-1,193.96	1,667.30	1,653.14	14.16	117.760		
2,100.00	2,044.94	1,862.04	1,848.55	9.30	6.94	-118.05	948.25	-1,201.14	1,702.32	1,687.16	15.17	112.247		
2,200.00	2,132.39	1,953.29	1,939.07	10.15	7.32	-118.55	958.33	-1,206.65	1,738.79	1,722.59	16.19	107.388		
2,300.00	2,218.11	2,052.64	2,037.60	11.07	7.73	-119.16	969.76	-1,212.38	1,777.50	1,760.21	17.29	102.778		
2,400.00	2,301.97	2,144.44	2,128.68	12.06	8.10	-119.67	980.41	-1,216.57	1,817.56	1,799.17	18.40	98.792		
2,500.00	2,383.88	2,220.07	2,203.70	13.11	8.41	-119.94	989.42	-1,219.97	1,860.04	1,840.58	19.45	95.611		
2,512.74	2,394.17	2,229.23	2,212.78	13.25	8.45	-119.97	990.53	-1,220.40	1,865.64	1,846.05	19.59	95.237		
2,600.00	2,464.54	2,296.33	2,279.31	14.22	8.73	-120.95	998.59	-1,223.70	1,904.61	1,884.08	20.53	92.786		
2,700.00	2,545.18	2,375.96	2,358.32	15.35	9.05	-122.10	1,007.58	-1,227.89	1,950.02	1,928.41	21.61	90.246		
2,800.00	2,625.82	2,457.97	2,439.71	16.50	9.39	-123.24	1,016.61	-1,232.35	1,996.22	1,973.53	22.69	87.970		
2,900.00	2,706.45	2,546.43	2,527.47	17.65	9.75	-124.40	1,026.84	-1,236.70	2,042.86	2,019.06	23.81	85.815		
3,000.00	2,787.09	2,634.93	2,615.31	18.82	10.11	-125.52	1,036.78	-1,240.79	2,089.83	2,064.92	24.91	83.898		
3,100.00	2,867.73	2,723.02	2,702.81	19.99	10.47	-126.60	1,046.22	-1,244.68	2,137.11	2,111.11	26.00	82.199		
3,200.00	2,948.37	2,808.98	2,788.15	21.17	10.82	-127.60	1,056.02	-1,248.02	2,184.69	2,157.62	27.07	80.701		
3,300.00	3,029.01	2,895.67	2,874.21	22.36	11.17	-128.56	1,065.91	-1,251.24	2,232.66	2,204.52	28.14	79.346		
3,400.00	3,109.65	2,972.53	2,950.60	23.55	11.47	-129.41	1,073.89	-1,254.10	2,280.90	2,251.76	29.13	78.292		
3,500.00	3,190.29	3,028.99	3,006.70	24.74	11.70	-130.01	1,079.68	-1,256.69	2,330.26	2,300.27	29.99	77.688		
3,600.00	3,270.93	3,079.28	3,056.62	25.94	11.91	-130.53	1,085.10	-1,259.52	2,380.99	2,350.18	30.81	77.290		
3,700.00	3,351.57	3,129.47	3,106.33	27.14	12.11	-131.03	1,091.06	-1,262.89	2,433.15	2,401.55	31.60	76.998		
3,800.00	3,432.21	3,207.65	3,183.71	28.35	12.45	-131.78	1,100.74	-1,268.53	2,486.17	2,453.60	32.57	76.341		
3,900.00	3,512.85	3,312.81	3,287.91	29.56	12.89	-132.76	1,112.95	-1,275.80	2,539.19	2,505.50	33.69	75.358		
4,000.00	3,593.49	3,422.18	3,396.48	30.76	13.33	-133.76	1,124.23	-1,282.53	2,591.79	2,556.96	34.83	74.421		
4,100.00	3,674.13	3,524.07	3,497.73	31.97	13.74	-134.65	1,134.50	-1,287.38	2,643.48	2,607.57	35.90	73.630		
4,200.00	3,754.77	3,589.67	3,562.87	33.19	14.01	-135.19	1,141.71	-1,290.49	2,695.65	2,658.90	36.75	73.349		
4,300.00	3,835.41	3,648.56	3,621.26	34.40	14.25	-135.65	1,148.62	-1,293.64	2,748.68	2,711.13	37.55	73.199		
4,400.00	3,916.05	3,718.43	3,690.50	35.62	14.54	-136.17	1,157.03	-1,297.79	2,802.46	2,764.05	38.42	72.951		
4,500.00	3,996.69	3,819.50	3,790.76	36.83	14.96	-136.93	1,168.28	-1,303.85	2,856.48	2,817.00	39.48	72.360		
4,600.00	4,077.33	3,904.60	3,875.30	38.05	15.30	-137.57	1,176.75	-1,308.48	2,910.12	2,869.71	40.41	72.010		
4,700.00	4,157.96	3,975.13	3,945.36	39.27	15.59	-138.07	1,183.93	-1,312.38	2,964.11	2,922.86	41.25	71.859		
4,800.00	4,238.60	4,110.06	4,079.45	40.49	16.13	-139.01	1,197.10	-1,319.48	3,018.30	2,975.80	42.50	71.021		
4,900.00	4,319.24	4,192.47	4,161.55	41.71	16.44	-139.59	1,203.38	-1,322.93	3,071.45	3,028.08	43.38	70.810		
5,000.00	4,399.88	4,254.41	4,223.23	42.93	16.68	-140.01	1,208.32	-1,325.63	3,125.00	3,080.88	44.12	70.824		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1A-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 184-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,480.52	4,316.03	4,284.51	44.15	16.93	-140.41	1,214.02	-1,328.62	3,179.24	3,134.37	44.87	70.855		
5,200.00	4,561.16	4,378.28	4,346.39	45.37	17.17	-140.79	1,219.94	-1,331.99	3,234.14	3,188.52	45.62	70.900		
5,300.00	4,641.80	4,452.82	4,420.05	46.59	17.47	-141.24	1,227.25	-1,336.27	3,289.49	3,243.05	46.44	70.829		
5,400.00	4,722.44	4,522.86	4,490.00	47.82	17.76	-141.64	1,234.38	-1,340.41	3,345.16	3,297.93	47.24	70.817		
5,500.00	4,803.08	4,590.59	4,557.24	49.04	18.03	-142.02	1,241.29	-1,344.67	3,401.29	3,353.27	48.01	70.844		
5,600.00	4,883.72	4,661.91	4,628.01	50.27	18.33	-142.40	1,248.78	-1,349.34	3,457.78	3,408.97	48.81	70.844		
5,700.00	4,964.36	4,822.00	4,786.71	51.49	18.99	-143.18	1,267.93	-1,358.05	3,513.55	3,463.27	50.27	69.887		
5,800.00	5,045.00	4,907.41	4,871.26	52.71	19.35	-143.55	1,279.50	-1,361.55	3,568.39	3,517.19	51.21	69.686		
5,900.00	5,125.64	4,969.88	4,933.09	53.94	19.62	-143.82	1,288.00	-1,364.26	3,623.56	3,571.59	51.97	69.729		
6,000.00	5,206.28	5,036.07	4,998.52	55.17	19.90	-144.08	1,297.44	-1,367.56	3,679.32	3,626.57	52.75	69.746		
6,100.00	5,286.92	5,113.72	5,105.15	56.39	20.35	-144.53	1,311.30	-1,372.58	3,734.89	3,681.05	53.84	69.371		
6,200.00	5,367.56	5,230.49	5,191.31	57.62	20.70	-144.90	1,320.90	-1,376.31	3,790.24	3,735.50	54.74	69.235		
6,300.00	5,448.20	5,312.33	5,272.58	58.84	21.03	-145.25	1,329.86	-1,379.79	3,845.67	3,790.06	55.61	69.156		
6,400.00	5,528.84	5,392.22	5,351.90	60.07	21.36	-145.57	1,338.79	-1,383.14	3,901.14	3,844.68	56.46	69.096		
6,500.00	5,609.47	5,458.11	5,417.25	61.30	21.63	-145.83	1,346.68	-1,386.07	3,956.90	3,899.69	57.21	69.161		
6,600.00	5,690.11	5,513.32	5,471.95	62.53	21.86	-146.03	1,353.66	-1,388.80	4,013.16	3,955.27	57.89	69.328		
6,700.00	5,770.75	5,579.76	5,537.74	63.75	22.14	-146.26	1,362.16	-1,392.52	4,069.98	4,011.34	58.64	69.401		
6,800.00	5,851.39	5,667.58	5,624.79	64.98	22.50	-146.58	1,372.68	-1,397.32	4,126.79	4,067.23	59.56	69.289		
6,900.00	5,932.03	5,731.00	5,687.74	66.21	22.76	-146.81	1,379.60	-1,400.82	4,183.77	4,123.50	60.27	69.413		
7,000.00	6,012.67	5,774.15	5,730.55	67.44	22.94	-146.97	1,384.31	-1,403.49	4,241.35	4,180.53	60.83	69.727		
7,100.00	6,093.31	5,820.00	5,775.95	68.66	23.14	-147.12	1,389.76	-1,406.83	4,299.79	4,238.38	61.40	70.028		
7,200.00	6,173.95	5,890.69	5,845.87	69.89	23.44	-147.35	1,398.56	-1,412.33	4,358.71	4,296.53	62.18	70.098		
7,300.00	6,254.59	6,018.36	5,972.35	71.12	23.97	-147.77	1,413.34	-1,421.41	4,417.18	4,353.78	63.41	69.665		
7,400.00	6,335.23	6,087.00	6,040.46	72.35	24.26	-148.00	1,420.57	-1,425.93	4,475.35	4,411.20	64.15	69.768		
7,500.00	6,415.87	6,148.87	6,101.84	73.58	24.51	-148.20	1,427.05	-1,430.19	4,533.83	4,469.00	64.83	69.933		
7,600.00	6,496.51	6,206.10	6,158.59	74.81	24.75	-148.38	1,433.13	-1,434.45	4,592.79	4,527.31	65.48	70.142		
7,700.00	6,577.15	6,265.81	6,217.75	76.04	25.00	-148.57	1,439.70	-1,439.17	4,652.16	4,586.01	66.15	70.331		
7,800.00	6,657.79	6,393.83	6,344.64	77.27	25.53	-148.95	1,453.61	-1,448.89	4,711.35	4,643.99	67.36	69.939		
7,900.00	6,738.43	6,531.01	6,480.85	78.50	26.09	-149.37	1,467.31	-1,457.65	4,769.67	4,701.04	68.63	69.498		
8,000.00	6,819.07	6,690.91	6,639.69	79.73	26.73	-149.82	1,484.05	-1,464.99	4,826.28	4,756.22	70.07	68.882		
8,100.00	6,899.71	6,757.21	6,705.71	80.96	26.99	-150.02	1,489.60	-1,467.73	4,883.00	4,812.24	70.76	69.005		
8,200.00	6,980.35	6,820.50	6,768.72	82.18	27.23	-150.21	1,494.74	-1,470.57	4,940.07	4,868.64	71.43	69.157		
8,240.58	7,013.07	6,846.98	6,795.09	82.68	27.33	-150.29	1,496.88	-1,471.82	4,963.32	4,891.61	71.71	69.215		
8,250.00	7,020.68	6,853.13	6,801.21	82.80	27.36	-152.16	1,497.38	-1,472.11	4,968.73	4,896.96	71.77	69.228		
8,300.00	7,061.63	6,885.98	6,833.91	83.40	27.49	-162.50	1,500.04	-1,473.71	4,997.65	4,925.55	72.10	69.314		
8,350.00	7,103.23	6,934.35	6,882.08	83.97	27.67	-173.43	1,503.70	-1,476.05	5,026.70	4,954.19	72.52	69.316		
8,400.00	7,145.18	6,984.44	6,932.02	84.51	27.86	175.40	1,506.86	-1,478.34	5,055.57	4,982.65	72.92	69.332		
8,450.00	7,187.16	7,024.88	6,972.36	85.01	28.00	164.33	1,509.07	-1,480.13	5,084.09	5,010.87	73.22	69.440		
8,500.00	7,228.84	7,066.00	7,013.39	85.46	28.15	153.74	1,511.07	-1,481.93	5,112.07	5,038.58	73.49	69.559		
8,550.00	7,269.91	7,099.96	7,047.30	85.86	28.27	143.87	1,512.30	-1,483.40	5,139.36	5,065.68	73.69	69.747		
8,600.00	7,310.05	7,133.23	7,080.53	86.20	28.38	134.92	1,512.78	-1,484.82	5,165.81	5,091.96	73.85	69.951		
8,650.00	7,348.97	7,157.00	7,104.28	86.50	28.46	126.91	1,512.70	-1,485.83	5,191.24	5,117.31	73.93	70.217		
8,700.00	7,386.36	7,157.00	7,104.28	86.74	28.46	119.70	1,512.70	-1,485.83	5,215.66	5,141.81	73.85	70.623		
8,750.00	7,421.94	7,157.00	7,104.28	86.93	28.46	113.38	1,512.70	-1,485.83	5,238.97	5,165.21	73.76	71.025		
8,800.00	7,455.44	7,157.00	7,104.28	87.07	28.46	107.88	1,512.70	-1,485.83	5,261.00	5,187.33	73.66	71.418		
8,850.00	7,486.61	7,190.80	7,138.01	87.16	28.55	103.43	1,511.48	-1,487.59	5,281.13	5,207.38	73.75	71.607		
8,900.00	7,515.20	7,197.74	7,144.92	87.20	28.57	99.43	1,511.02	-1,488.03	5,299.96	5,226.26	73.69	71.919		
8,950.00	7,541.00	7,204.24	7,151.39	87.21	28.59	96.02	1,510.52	-1,488.46	5,317.07	5,243.43	73.64	72.205		
9,000.00	7,563.81	7,210.26	7,157.37	87.17	28.60	93.17	1,510.01	-1,488.89	5,332.37	5,258.77	73.59	72.457		
9,050.00	7,583.47	7,246.00	7,192.74	87.10	28.70	91.11	1,505.84	-1,491.83	5,346.11	5,272.40	73.71	72.529		
9,100.00	7,599.81	7,246.00	7,192.74	87.00	28.70	89.16	1,505.84	-1,491.83	5,357.40	5,283.73	73.67	72.723		
9,150.00	7,612.72	7,246.00	7,192.74	86.88	28.70	87.65	1,505.84	-1,491.83	5,366.67	5,293.02	73.65	72.867		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1A-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 184-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,622.09	7,246.00	7,192.74	86.72	28.70	86.54	1,505.84	-1,491.83	5,373.85	5,300.19	73.66	72.959		
9,250.00	7,627.87	7,246.00	7,192.74	86.55	28.70	85.81	1,505.84	-1,491.83	5,378.90	5,305.21	73.69	72.995		
9,303.98	7,630.00	7,246.00	7,192.74	86.35	28.70	85.45	1,505.84	-1,491.83	5,381.93	5,308.18	73.76	72.970		
9,400.00	7,630.00	7,246.00	7,192.74	85.99	28.70	85.45	1,505.84	-1,491.83	5,385.91	5,312.00	73.92	72.863		
9,500.00	7,630.00	7,246.00	7,192.74	85.62	28.70	85.45	1,505.84	-1,491.83	5,391.88	5,317.77	74.11	72.753		
9,600.00	7,630.00	7,246.00	7,192.74	85.28	28.70	85.45	1,505.84	-1,491.83	5,399.69	5,325.36	74.33	72.644		
9,700.00	7,630.00	7,246.00	7,192.74	84.95	28.70	85.45	1,505.84	-1,491.83	5,409.33	5,334.76	74.57	72.537		
9,800.00	7,630.00	8,315.00	7,913.84	84.64	29.30	93.12	828.99	-1,536.61	5,412.70	5,339.12	73.58	73.562		
9,900.00	7,630.00	8,436.22	7,925.86	84.34	29.63	93.25	708.45	-1,535.96	5,412.38	5,338.70	73.68	73.460		
10,000.00	7,630.00	8,639.04	7,928.78	84.06	30.55	93.28	505.69	-1,533.17	5,410.56	5,336.63	73.92	73.193		
10,100.00	7,630.00	8,671.00	7,928.59	83.80	30.73	93.28	473.74	-1,532.62	5,408.69	5,334.28	74.42	72.680		
10,200.00	7,630.00	8,710.57	7,928.12	83.56	30.98	93.28	434.18	-1,532.42	5,407.99	5,333.01	74.98	72.124		
10,200.60	7,630.00	8,710.74	7,928.12	83.55	30.98	93.28	434.00	-1,532.42	5,407.99	5,333.01	74.99	72.121		
10,300.00	7,630.00	8,760.00	7,927.22	83.33	31.29	93.27	384.76	-1,533.19	5,408.78	5,333.18	75.59	71.550		
10,400.00	7,630.00	8,760.00	7,927.22	83.12	31.29	93.27	384.76	-1,533.19	5,410.63	5,334.46	76.17	71.037		
10,500.00	7,630.00	8,807.39	7,926.64	82.92	31.63	93.26	337.40	-1,534.80	5,413.76	5,336.89	76.87	70.424		
10,600.00	7,630.00	9,085.90	7,937.29	82.75	33.91	93.37	59.28	-1,542.28	5,417.16	5,338.46	78.70	68.832		
10,700.00	7,630.00	9,200.55	7,940.16	82.59	35.00	93.40	-55.34	-1,542.86	5,417.48	5,337.39	80.09	67.640		
10,800.00	7,630.00	9,344.30	7,942.52	82.45	36.48	93.42	-199.06	-1,542.94	5,417.31	5,335.43	81.88	66.164		
10,900.00	7,630.00	9,465.92	7,944.69	82.33	37.82	93.45	-320.66	-1,542.13	5,416.41	5,332.74	83.67	64.737		
11,000.00	7,630.00	9,584.25	7,946.73	82.22	39.19	93.47	-438.97	-1,540.97	5,415.19	5,329.61	85.58	63.274		
11,100.00	7,630.00	9,720.91	7,947.98	82.14	40.84	93.48	-575.61	-1,539.24	5,413.70	5,325.87	87.83	61.640		
11,200.00	7,630.00	9,776.13	7,948.03	82.08	41.53	93.49	-630.83	-1,538.39	5,411.95	5,322.68	89.27	60.623		
11,300.00	7,630.00	9,829.00	7,948.24	82.04	42.20	93.49	-683.69	-1,538.31	5,411.34	5,320.61	90.72	59.647		
11,318.31	7,630.00	9,829.00	7,948.24	82.03	42.20	93.49	-683.69	-1,538.31	5,411.30	5,320.42	90.88	59.544		
11,400.00	7,630.00	9,888.48	7,948.80	82.02	42.96	93.49	-743.17	-1,538.67	5,411.55	5,319.25	92.29	58.633		
11,500.00	7,630.00	9,987.07	7,950.11	82.03	44.25	93.51	-841.75	-1,539.37	5,412.01	5,317.60	94.41	57.325		
11,600.00	7,630.00	10,111.52	7,950.55	82.06	45.93	93.51	-966.20	-1,540.01	5,412.19	5,315.24	96.95	55.825		
11,604.99	7,630.00	10,115.70	7,950.53	82.07	45.98	93.51	-970.37	-1,540.02	5,412.19	5,315.14	97.05	55.765		
11,700.00	7,630.00	10,194.04	7,949.48	82.12	47.06	93.50	-1,048.71	-1,540.46	5,412.33	5,313.34	98.99	54.675		
11,800.00	7,630.00	10,267.52	7,948.78	82.21	48.08	93.49	-1,122.18	-1,541.16	5,412.88	5,311.93	100.95	53.620		
11,900.00	7,630.00	10,387.06	7,948.76	82.33	49.77	93.49	-1,241.71	-1,542.35	5,413.55	5,309.90	103.65	52.230		
12,000.00	7,630.00	10,510.99	7,947.82	82.48	51.55	93.48	-1,365.63	-1,543.07	5,413.74	5,307.25	106.49	50.836		
12,100.00	7,630.00	10,624.19	7,947.26	82.66	53.21	93.48	-1,478.83	-1,543.32	5,413.60	5,304.36	109.24	49.555		
12,200.00	7,630.00	10,823.53	7,951.05	82.88	56.19	93.52	-1,678.12	-1,541.76	5,412.76	5,299.23	113.53	47.677		
12,300.00	7,630.00	10,872.26	7,951.87	83.14	56.93	93.53	-1,726.83	-1,541.20	5,411.26	5,295.92	115.34	46.915		
12,400.00	7,630.00	10,995.25	7,951.96	83.44	58.80	93.53	-1,849.81	-1,540.21	5,410.18	5,291.72	118.46	45.672		
12,500.00	7,630.00	11,113.15	7,950.81	83.79	60.62	93.52	-1,967.70	-1,538.25	5,408.06	5,286.52	121.54	44.496		
12,600.00	7,630.00	12,600.00	7,952.60	84.18	83.91	93.54	-2,095.14	-1,535.98	5,406.08	5,259.92	146.16	36.987		
12,700.00	7,630.00	11,310.88	7,954.23	84.61	63.72	93.56	-2,165.34	-1,534.21	5,403.54	5,276.37	127.17	42.492		
12,800.00	7,630.00	11,355.07	7,955.02	85.10	64.41	93.57	-2,209.53	-1,533.80	5,402.28	5,273.29	129.00	41.880		
12,900.00	7,630.00	12,900.00	7,956.51	85.64	88.98	93.58	-2,370.06	-1,531.77	5,400.65	5,245.58	155.07	34.828		
13,000.00	7,630.00	11,585.76	7,957.63	86.22	68.07	93.60	-2,440.17	-1,530.58	5,398.80	5,263.39	135.41	39.870		
13,100.00	7,630.00	11,691.84	7,960.00	86.86	69.78	93.62	-2,546.22	-1,529.50	5,397.60	5,259.11	138.49	38.973		
13,200.00	7,630.00	11,849.49	7,959.25	87.56	72.32	93.62	-2,703.83	-1,526.56	5,395.27	5,252.65	142.62	37.830		
13,300.00	7,630.00	11,920.25	7,957.09	88.30	73.47	93.60	-2,774.54	-1,525.23	5,392.89	5,247.84	145.05	37.179		
13,400.00	7,630.00	11,968.00	7,955.32	89.10	74.24	93.58	-2,822.26	-1,524.69	5,391.27	5,244.24	147.03	36.668		
13,490.05	7,630.00	12,001.23	7,954.07	89.86	74.78	93.56	-2,855.46	-1,524.64	5,390.74	5,242.13	148.61	36.275		
13,500.00	7,630.00	12,004.27	7,953.96	89.94	74.83	93.56	-2,858.50	-1,524.66	5,390.75	5,241.98	148.77	36.235		
13,600.00	7,630.00	12,057.00	7,952.25	90.84	75.69	93.54	-2,911.19	-1,525.60	5,391.67	5,240.83	150.84	35.745		
13,700.00	7,630.00	12,077.39	7,951.65	91.78	76.02	93.54	-2,931.56	-1,526.20	5,393.55	5,241.32	152.23	35.431		
13,800.00	7,630.00	12,146.00	7,949.59	92.77	77.13	93.51	-3,000.11	-1,528.42	5,396.28	5,241.67	154.62	34.901		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1A-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 184-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
13,900.00	7,630.00	12,210.71	7,948.13	93.79	78.19	93.50	-3,064.75	-1,530.89	5,399.63	5,242.71	156.93	34.409		
14,000.00	7,630.00	12,381.56	7,945.96	94.86	80.98	93.47	-3,235.49	-1,536.55	5,402.41	5,240.88	161.53	33.446		
14,100.00	7,630.00	12,591.00	7,950.77	95.97	84.43	93.52	-3,444.82	-1,539.73	5,403.66	5,236.64	167.02	32.354		
14,200.00	7,630.00	12,645.44	7,953.37	97.11	85.33	93.55	-3,499.20	-1,539.97	5,404.24	5,235.05	169.19	31.941		
14,300.00	7,630.00	12,680.00	7,955.27	98.28	85.91	93.57	-3,533.70	-1,540.57	5,406.04	5,235.12	170.92	31.629		
14,400.00	7,630.00	12,745.05	7,958.04	99.48	86.99	93.60	-3,598.66	-1,542.36	5,408.75	5,235.44	173.31	31.209		
14,500.00	7,630.00	12,850.51	7,959.04	100.72	88.73	93.60	-3,704.05	-1,546.03	5,411.96	5,235.36	176.60	30.646		
14,600.00	7,630.00	12,955.25	7,958.48	101.97	90.47	93.60	-3,808.73	-1,549.51	5,414.90	5,235.02	179.88	30.103		
14,700.00	7,630.00	13,093.83	7,955.77	103.26	92.78	93.56	-3,947.23	-1,553.49	5,417.26	5,233.33	183.94	29.452		
14,800.00	7,630.00	13,266.31	7,952.56	104.56	95.67	93.53	-4,119.64	-1,556.37	5,418.27	5,229.49	188.78	28.702		
14,900.00	7,630.00	13,329.71	7,953.15	105.89	96.73	93.54	-4,183.03	-1,557.29	5,419.44	5,228.26	191.18	28.347		
15,000.00	7,630.00	13,588.08	7,956.16	107.24	101.09	93.57	-4,441.35	-1,558.67	5,420.04	5,222.06	197.99	27.376		
15,100.00	7,630.00	13,693.29	7,959.73	108.60	102.88	93.61	-4,546.49	-1,557.26	5,418.58	5,217.20	201.39	26.906		
15,200.00	7,630.00	15,200.00	7,966.06	109.98	128.60	93.68	-4,753.75	-1,552.87	5,416.58	5,187.32	229.26	23.626		
15,300.00	7,630.00	13,967.89	7,967.07	111.38	107.55	93.69	-4,820.87	-1,550.56	5,413.07	5,203.43	209.64	25.820		
15,400.00	7,630.00	14,017.00	7,968.03	112.79	108.39	93.70	-4,869.97	-1,549.82	5,411.01	5,199.19	211.82	25.545		
15,500.00	7,630.00	14,031.20	7,968.36	114.22	108.63	93.70	-4,884.17	-1,549.78	5,409.96	5,196.78	213.18	25.377		
15,543.70	7,630.00	14,056.11	7,968.95	114.85	109.06	93.71	-4,909.06	-1,549.79	5,409.89	5,195.69	214.20	25.257		
15,600.00	7,630.00	14,088.19	7,969.71	115.66	109.60	93.72	-4,941.14	-1,549.92	5,410.01	5,194.52	215.50	25.105		
15,700.00	7,630.00	14,160.79	7,971.37	117.11	110.84	93.73	-5,013.72	-1,550.61	5,410.76	5,192.59	218.17	24.801		
15,800.00	7,630.00	14,250.66	7,972.79	118.57	112.37	93.75	-5,103.56	-1,551.80	5,411.85	5,190.61	221.24	24.461		
15,900.00	7,630.00	14,330.46	7,973.14	120.05	113.73	93.75	-5,183.35	-1,553.05	5,413.12	5,189.04	224.08	24.157		
16,000.00	7,630.00	14,499.97	7,977.08	121.53	116.62	93.79	-5,352.80	-1,555.14	5,414.29	5,185.25	229.04	23.639		
16,100.00	7,630.00	16,100.00	7,980.23	123.03	144.04	93.83	-5,487.46	-1,555.13	5,414.07	5,155.79	258.28	20.962		
16,166.02	7,630.00	14,668.09	7,980.62	124.02	119.50	93.83	-5,520.87	-1,555.09	5,413.91	5,179.28	234.63	23.074		
16,200.00	7,630.00	14,678.73	7,980.77	124.53	119.68	93.83	-5,531.51	-1,555.16	5,414.05	5,178.83	235.22	23.017		
16,300.00	7,630.00	14,730.00	7,981.85	126.04	120.56	93.84	-5,582.76	-1,556.11	5,415.42	5,178.02	237.40	22.811		
16,400.00	7,630.00	14,997.00	7,989.16	127.56	125.14	93.92	-5,849.58	-1,558.51	5,417.44	5,172.77	244.67	22.142		
16,500.00	7,630.00	15,054.85	7,989.72	129.09	126.13	93.92	-5,907.42	-1,557.91	5,416.19	5,169.14	247.06	21.923		
16,600.00	7,630.00	15,170.83	7,991.06	130.62	128.13	93.94	-6,023.39	-1,557.51	5,415.64	5,164.85	250.80	21.594		
16,700.00	7,630.00	15,264.00	7,993.18	132.16	129.74	93.96	-6,116.52	-1,556.13	5,414.03	5,160.02	254.01	21.314		
16,797.38	7,630.00	15,310.22	7,993.79	133.67	130.53	93.97	-6,162.74	-1,555.72	5,413.27	5,157.18	256.09	21.138		
16,800.00	7,630.00	15,310.94	7,993.80	133.71	130.55	93.97	-6,163.46	-1,555.72	5,413.27	5,157.14	256.13	21.135		
16,900.00	7,630.00	15,596.14	7,998.06	135.27	135.47	94.02	-6,448.54	-1,552.98	5,412.97	5,149.16	263.81	20.519		
17,000.00	7,630.00	15,676.39	7,999.92	136.83	136.86	94.04	-6,528.73	-1,550.54	5,409.77	5,143.02	266.76	20.280		
17,100.00	7,630.00	15,765.63	8,001.87	138.39	138.41	94.06	-6,617.91	-1,548.12	5,406.89	5,136.97	269.91	20.032		
17,200.00	7,630.00	15,847.52	8,005.53	139.97	139.83	94.10	-6,699.70	-1,545.92	5,404.19	5,131.29	272.90	19.803		
17,300.00	7,630.00	16,004.95	8,011.77	141.54	142.57	94.17	-6,856.93	-1,541.52	5,401.45	5,123.83	277.62	19.456		
17,400.00	7,630.00	16,066.00	8,013.49	143.12	143.63	94.19	-6,917.92	-1,539.37	5,397.99	5,117.85	280.14	19.269		
17,500.00	7,630.00	16,128.48	8,015.33	144.71	144.72	94.21	-6,980.35	-1,537.61	5,395.23	5,112.55	282.68	19.086		
17,600.00	7,630.00	16,175.26	8,017.20	146.30	145.53	94.23	-7,027.09	-1,536.89	5,393.62	5,108.78	284.84	18.936		
17,700.00	7,630.00	16,244.00	8,019.88	147.90	146.72	94.26	-7,095.77	-1,536.49	5,392.92	5,105.43	287.50	18.758		
17,800.00	7,630.00	16,394.06	8,024.57	149.50	149.33	94.31	-7,245.75	-1,535.00	5,391.80	5,099.69	292.10	18.459		
17,900.00	7,630.00	16,490.93	8,025.90	151.10	151.01	94.33	-7,342.60	-1,533.80	5,390.33	5,094.89	295.44	18.245		
18,000.00	7,630.00	16,577.17	8,025.84	152.71	152.51	94.33	-7,428.84	-1,532.95	5,389.01	5,090.48	298.53	18.052		
18,100.00	7,630.00	16,631.81	8,025.33	154.32	153.46	94.32	-7,483.47	-1,532.68	5,388.18	5,087.32	300.85	17.910		
18,131.72	7,630.00	16,645.50	8,025.31	154.83	153.70	94.32	-7,497.16	-1,532.71	5,388.12	5,086.62	301.50	17.871		
18,200.00	7,630.00	16,690.00	8,025.59	155.94	154.47	94.33	-7,541.66	-1,533.08	5,388.42	5,085.17	303.25	17.769		
18,300.00	7,630.00	16,727.64	8,026.06	157.56	155.12	94.33	-7,579.29	-1,533.68	5,389.56	5,084.46	305.10	17.665		
18,400.00	7,630.00	16,881.56	8,028.49	159.18	157.79	94.36	-7,733.16	-1,536.36	5,391.31	5,081.45	309.86	17.399		
18,500.00	7,630.00	16,980.48	8,031.82	160.80	159.50	94.39	-7,832.03	-1,537.15	5,392.03	5,078.78	313.25	17.213		
18,600.00	7,630.00	17,128.07	8,035.78	162.43	162.07	94.43	-7,979.56	-1,537.44	5,392.05	5,074.20	317.85	16.964		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SEC 22-T1N-R68W - EXIST HZ COSSLETT 1A-22H-B168 - OWB - FINAL SURVEY												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 184-MWD OWSG												<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
18,700.00	7,630.00	17,223.14	8,036.76	164.06	163.72	94.44	-8,074.62	-1,537.46	5,391.82	5,070.66	321.15	16.789	
18,725.96	7,630.00	17,239.90	8,036.86	164.49	164.01	94.44	-8,091.39	-1,537.50	5,391.79	5,069.98	321.82	16.754	
18,800.00	7,630.00	17,286.94	8,036.90	165.70	164.83	94.45	-8,138.42	-1,537.77	5,391.98	5,068.29	323.69	16.658	
18,900.00	7,630.00	17,424.47	8,034.96	167.33	167.22	94.42	-8,275.93	-1,538.83	5,392.36	5,064.32	328.04	16.438	
19,000.00	7,630.00	17,539.03	8,031.61	168.97	169.21	94.39	-8,390.44	-1,539.02	5,391.96	5,060.13	331.83	16.249	
19,021.79	7,630.00	17,546.00	8,031.39	169.33	169.33	94.39	-8,397.41	-1,539.02	5,391.88	5,059.66	332.21	16.230 SF	

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1B-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 140-MWD OWSSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	-54.43	787.25	-1,100.94	1,353.49					
100.00	100.00	95.99	95.99	0.13	0.14	-54.43	787.07	-1,100.76	1,353.22	1,352.94	0.28	4,853.332		
200.00	200.00	196.61	196.61	0.49	0.41	-54.44	786.58	-1,100.31	1,352.57	1,351.66	0.91	1,492.986		
300.00	300.00	292.25	292.24	0.85	0.76	-54.44	786.30	-1,100.04	1,352.17	1,350.56	1.61	841.372		
400.00	400.00	392.29	392.29	1.21	1.11	-54.44	786.18	-1,099.88	1,351.97	1,349.65	2.32	582.059		
500.00	500.00	493.95	493.95	1.57	1.48	-54.44	786.10	-1,099.56	1,351.67	1,348.62	3.04	444.081		
542.50	542.50	537.17	537.16	1.72	1.63	-54.43	786.08	-1,099.36	1,351.50	1,348.15	3.35	403.410	CC, ES	
600.00	600.00	568.87	568.86	1.93	1.74	-54.43	786.39	-1,099.58	1,352.00	1,348.33	3.66	369.243		
700.00	700.00	635.48	635.44	2.29	1.96	-54.39	788.16	-1,100.54	1,354.72	1,350.47	4.24	319.243		
800.00	799.98	700.25	700.07	2.64	2.18	-116.00	792.22	-1,101.76	1,360.69	1,355.88	4.81	282.609		
900.00	899.84	763.00	762.50	2.99	2.40	-115.78	798.22	-1,103.56	1,370.88	1,365.50	5.38	254.859		
1,000.00	999.45	847.32	846.17	3.35	2.71	-115.55	808.19	-1,106.60	1,384.50	1,378.47	6.03	229.560		
1,100.00	1,098.70	940.52	938.53	3.73	3.06	-115.36	820.21	-1,109.96	1,400.25	1,393.52	6.73	208.039		
1,200.00	1,197.47	1,031.08	1,028.21	4.11	3.41	-115.24	832.38	-1,113.36	1,417.92	1,410.49	7.44	190.612		
1,300.00	1,295.62	1,119.80	1,115.94	4.53	3.77	-115.17	845.10	-1,116.87	1,437.76	1,429.60	8.16	176.159		
1,400.00	1,393.06	1,219.32	1,214.35	4.97	4.17	-115.22	859.30	-1,121.12	1,459.34	1,450.39	8.95	163.005		
1,500.00	1,489.64	1,321.21	1,315.26	5.44	4.58	-115.43	872.58	-1,125.86	1,482.10	1,472.31	9.78	151.515		
1,600.00	1,585.27	1,412.12	1,405.27	5.95	4.96	-115.63	884.68	-1,129.83	1,506.42	1,495.82	10.60	142.138		
1,700.00	1,679.82	1,495.94	1,487.98	6.51	5.31	-115.73	897.98	-1,132.64	1,532.96	1,521.54	11.42	134.186		
1,800.00	1,773.17	1,601.03	1,591.50	7.13	5.76	-116.02	915.79	-1,135.96	1,561.63	1,549.24	12.39	126.015		
1,900.00	1,865.21	1,696.05	1,685.15	7.79	6.17	-116.28	931.78	-1,137.72	1,590.90	1,577.54	13.36	119.103		
2,000.00	1,955.84	1,771.69	1,759.66	8.51	6.50	-116.40	944.59	-1,139.71	1,622.64	1,608.37	14.27	113.721		
2,100.00	2,044.94	1,882.40	1,868.72	9.30	6.99	-116.93	963.35	-1,143.24	1,656.79	1,641.40	15.40	107.617		
2,200.00	2,132.39	2,021.23	2,006.12	10.15	7.57	-117.93	982.99	-1,145.14	1,690.00	1,673.31	16.69	101.269		
2,300.00	2,218.11	2,106.69	2,090.95	11.07	7.92	-118.39	993.34	-1,146.13	1,724.46	1,706.70	17.75	97.134		
2,400.00	2,301.97	2,183.00	2,166.70	12.06	8.23	-118.74	1,002.46	-1,147.41	1,761.52	1,742.72	18.81	93.666		
2,500.00	2,383.88	2,256.94	2,240.07	13.11	8.53	-119.05	1,011.44	-1,149.02	1,801.37	1,781.49	19.88	90.627		
2,512.74	2,394.17	2,267.59	2,250.64	13.25	8.57	-119.11	1,012.74	-1,149.28	1,806.65	1,786.62	20.02	90.233		
2,600.00	2,464.54	2,341.54	2,324.03	14.22	8.87	-120.20	1,021.63	-1,151.09	1,843.17	1,822.16	21.01	87.712		
2,700.00	2,545.18	2,419.93	2,401.89	15.35	9.19	-121.34	1,030.55	-1,153.25	1,885.80	1,863.69	22.11	85.300		
2,800.00	2,625.82	2,502.81	2,484.23	16.50	9.52	-122.51	1,039.58	-1,155.77	1,929.28	1,906.06	23.21	83.112		
2,900.00	2,706.45	2,584.73	2,565.63	17.65	9.85	-123.62	1,048.46	-1,158.22	1,973.43	1,949.13	24.30	81.205		
3,000.00	2,787.09	2,669.07	2,649.48	18.82	10.18	-124.74	1,057.09	-1,160.98	2,018.34	1,992.95	25.39	79.498		
3,100.00	2,867.73	2,795.93	2,775.70	19.99	10.68	-126.35	1,069.54	-1,163.70	2,062.96	2,036.27	26.69	77.300		
3,200.00	2,948.37	2,916.13	2,895.14	21.17	11.15	-127.73	1,082.90	-1,163.04	2,106.33	2,078.37	27.96	75.336		
3,300.00	3,029.01	2,975.21	2,953.72	22.36	11.39	-128.34	1,090.58	-1,162.20	2,150.03	2,121.13	28.91	74.377		
3,400.00	3,109.65	3,038.45	3,016.38	23.55	11.65	-128.98	1,099.10	-1,162.03	2,195.18	2,165.32	29.86	73.510		
3,500.00	3,190.29	3,113.34	3,090.58	24.74	11.96	-129.72	1,109.20	-1,162.31	2,241.29	2,210.42	30.87	72.599		
3,600.00	3,270.93	3,195.74	3,172.27	25.94	12.30	-130.52	1,120.05	-1,162.79	2,287.90	2,255.99	31.91	71.691		
3,700.00	3,351.57	3,298.20	3,273.85	27.14	12.72	-131.46	1,133.39	-1,163.13	2,334.68	2,301.61	33.07	70.608		
3,800.00	3,432.21	3,386.76	3,361.79	28.35	13.08	-132.28	1,143.83	-1,163.11	2,381.28	2,347.17	34.11	69.806		
3,900.00	3,512.85	3,445.43	3,420.09	29.56	13.32	-132.81	1,150.42	-1,163.39	2,428.56	2,393.60	34.97	69.456		
4,000.00	3,593.49	3,498.17	3,472.46	30.76	13.53	-133.28	1,156.55	-1,164.20	2,477.12	2,441.36	35.77	69.257		
4,100.00	3,674.13	3,544.65	3,518.53	31.97	13.72	-133.66	1,162.66	-1,165.42	2,527.12	2,490.60	36.52	69.201		
4,200.00	3,754.77	3,614.40	3,587.47	33.19	14.02	-134.20	1,172.88	-1,167.95	2,578.40	2,540.98	37.42	68.903		
4,300.00	3,835.41	3,725.06	3,697.14	34.40	14.48	-135.08	1,187.19	-1,171.67	2,629.53	2,590.94	38.58	68.154		
4,400.00	3,916.05	3,814.60	3,786.10	35.62	14.84	-135.79	1,197.07	-1,174.19	2,680.20	2,640.63	39.57	67.727		
4,500.00	3,996.69	3,901.40	3,872.27	36.83	15.19	-136.44	1,207.23	-1,176.45	2,731.07	2,690.52	40.55	67.352		
4,600.00	4,077.33	3,986.09	3,956.20	38.05	15.54	-137.03	1,218.39	-1,178.31	2,782.02	2,740.50	41.52	67.007		
4,700.00	4,157.96	4,072.90	4,042.38	39.27	15.89	-137.63	1,228.66	-1,180.31	2,833.13	2,790.65	42.48	66.692		
4,800.00	4,238.60	4,157.96	4,127.02	40.49	16.23	-138.25	1,236.78	-1,182.37	2,884.33	2,840.93	43.40	66.454		
4,900.00	4,319.24	4,241.16	4,209.72	41.71	16.56	-138.81	1,245.72	-1,184.21	2,935.71	2,891.39	44.32	66.240		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1B-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 140-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	4,399.88	4,318.24	4,286.23	42.93	16.87	-139.29	1,254.91	-1,185.82	2,987.31	2,942.12	45.20	66.093		
5,100.00	4,480.52	4,388.75	4,356.29	44.15	17.16	-139.74	1,262.63	-1,187.61	3,039.38	2,993.36	46.02	66.041		
5,200.00	4,561.16	4,460.81	4,427.79	45.37	17.45	-140.16	1,271.32	-1,189.61	3,091.92	3,045.06	46.86	65.981		
5,300.00	4,641.80	4,548.32	4,514.46	46.59	17.82	-140.64	1,283.18	-1,192.07	3,144.76	3,096.94	47.82	65.766		
5,400.00	4,722.44	4,646.36	4,611.78	47.82	18.22	-141.18	1,294.85	-1,194.53	3,197.38	3,148.55	48.83	65.478		
5,500.00	4,803.08	4,719.85	4,684.73	49.04	18.52	-141.58	1,303.55	-1,196.22	3,249.99	3,200.32	49.67	65.435		
5,600.00	4,883.72	4,795.83	4,759.90	50.27	18.84	-141.94	1,314.42	-1,198.17	3,303.08	3,252.54	50.54	65.358		
5,700.00	4,964.36	4,882.90	4,846.09	51.49	19.21	-142.35	1,326.59	-1,200.33	3,356.19	3,304.70	51.49	65.181		
5,800.00	5,045.00	4,963.02	4,925.53	52.71	19.54	-142.74	1,336.78	-1,202.37	3,409.43	3,357.05	52.37	65.100		
5,900.00	5,125.64	5,045.53	5,007.45	53.94	19.87	-143.14	1,346.45	-1,204.55	3,462.82	3,409.57	53.25	65.024		
6,000.00	5,206.28	5,134.58	5,095.97	55.17	20.23	-143.58	1,355.80	-1,206.81	3,516.22	3,462.06	54.17	64.915		
6,100.00	5,286.92	5,216.89	5,177.79	56.39	20.56	-143.97	1,364.59	-1,208.81	3,569.66	3,514.64	55.03	64.869		
6,200.00	5,367.56	5,292.80	5,253.16	57.62	20.86	-144.30	1,373.45	-1,210.71	3,623.30	3,567.45	55.85	64.871		
6,300.00	5,448.20	5,393.79	5,353.40	58.84	21.27	-144.74	1,385.44	-1,213.09	3,676.94	3,620.08	56.87	64.659		
6,400.00	5,528.84	5,513.18	5,471.76	60.07	21.77	-145.20	1,400.96	-1,214.72	3,729.82	3,671.79	58.03	64.273		
6,500.00	5,609.47	5,598.98	5,556.90	61.30	22.12	-145.54	1,411.53	-1,215.61	3,782.56	3,723.63	58.93	64.185		
6,600.00	5,690.11	5,675.51	5,633.01	62.53	22.42	-145.86	1,419.50	-1,216.36	3,835.34	3,775.59	59.74	64.197		
6,700.00	5,770.75	5,739.00	5,696.10	63.75	22.67	-146.10	1,426.58	-1,217.29	3,888.60	3,828.14	60.46	64.317		
6,800.00	5,851.39	5,826.16	5,782.70	64.98	23.02	-146.44	1,436.36	-1,218.72	3,942.11	3,880.76	61.35	64.255		
6,900.00	5,932.03	5,879.85	5,836.10	66.21	23.23	-146.65	1,441.87	-1,219.72	3,995.91	3,933.92	61.98	64.470		
7,000.00	6,012.67	5,951.68	5,907.54	67.44	23.52	-146.92	1,449.02	-1,221.55	4,050.33	3,987.59	62.74	64.556		
7,100.00	6,093.31	6,059.79	6,014.82	68.66	23.96	-147.29	1,462.21	-1,223.87	4,104.48	4,040.68	63.80	64.333		
7,200.00	6,173.95	6,133.67	6,088.11	69.89	24.26	-147.53	1,471.41	-1,225.24	4,158.49	4,093.89	64.60	64.374		
7,300.00	6,254.59	6,197.66	6,151.71	71.12	24.52	-147.75	1,478.35	-1,226.74	4,212.97	4,147.66	65.30	64.513		
7,400.00	6,335.23	6,289.27	6,242.77	72.35	24.88	-148.06	1,488.10	-1,228.88	4,267.53	4,201.32	66.21	64.451		
7,500.00	6,415.87	6,367.83	6,320.72	73.58	25.20	-148.30	1,497.64	-1,230.71	4,322.13	4,255.09	67.04	64.471		
7,600.00	6,496.51	6,426.78	6,379.16	74.81	25.45	-148.48	1,505.22	-1,232.30	4,377.06	4,309.34	67.72	64.635		
7,700.00	6,577.15	6,480.56	6,432.49	76.04	25.67	-148.63	1,511.94	-1,234.02	4,432.48	4,364.13	68.35	64.850		
7,800.00	6,657.79	6,541.00	6,492.49	77.27	25.92	-148.81	1,518.86	-1,236.42	4,488.56	4,419.54	69.02	65.031		
7,900.00	6,738.43	6,601.60	6,552.73	78.50	26.15	-149.01	1,524.88	-1,239.06	4,545.07	4,475.40	69.67	65.233		
8,000.00	6,819.07	6,674.70	6,625.52	79.73	26.43	-149.26	1,530.77	-1,242.21	4,601.75	4,531.35	70.40	65.365		
8,100.00	6,899.71	6,751.74	6,702.32	80.96	26.72	-149.53	1,535.86	-1,245.63	4,658.65	4,587.52	71.14	65.490		
8,200.00	6,980.35	6,837.02	6,787.42	82.18	27.02	-149.84	1,540.16	-1,249.23	4,715.54	4,643.63	71.91	65.578		
8,240.58	7,013.07	8,240.58	6,885.61	82.68	31.19	-150.24	1,541.71	-1,252.63	4,738.61	4,662.18	76.43	61.999		
8,250.00	7,020.68	8,250.00	6,893.04	82.80	31.22	-152.10	1,541.54	-1,252.80	4,743.88	4,667.39	76.50	62.015		
8,300.00	7,061.63	8,300.00	6,933.08	83.40	31.37	-162.38	1,540.60	-1,253.72	4,772.03	4,695.21	76.83	62.113		
8,350.00	7,103.23	6,987.00	6,937.19	83.97	27.49	-173.18	1,540.50	-1,253.81	4,800.47	4,727.42	73.05	65.717		
8,400.00	7,145.18	7,021.25	6,971.23	84.51	27.57	175.61	1,536.85	-1,254.30	4,828.63	4,755.41	73.22	65.945		
8,450.00	7,187.16	7,030.75	6,980.64	85.01	27.59	164.47	1,535.55	-1,254.55	4,857.03	4,783.76	73.27	66.289		
8,500.00	7,228.84	7,040.25	6,990.02	85.46	27.61	153.72	1,534.12	-1,254.86	4,885.16	4,811.87	73.29	66.651		
8,550.00	7,269.91	7,076.00	7,025.14	85.86	27.68	143.72	1,527.62	-1,256.48	4,913.14	4,839.75	73.39	66.948		
8,600.00	7,310.05	7,076.00	7,025.14	86.20	27.68	134.54	1,527.62	-1,256.48	4,939.97	4,866.63	73.34	67.360		
8,650.00	7,348.97	8,650.00	7,064.71	86.50	30.30	126.46	1,517.74	-1,258.04	4,965.84	4,890.01	75.83	65.488		
8,700.00	7,386.36	8,700.00	7,104.33	86.74	30.39	119.42	1,507.85	-1,259.59	4,990.42	4,914.55	75.87	65.775		
8,750.00	7,421.94	7,201.48	7,146.21	86.93	27.87	113.35	1,495.25	-1,260.83	5,013.28	4,939.88	73.40	68.303		
8,800.00	7,455.44	7,214.93	7,158.92	87.07	27.89	107.97	1,490.83	-1,261.29	5,034.89	4,961.56	73.33	68.658		
8,850.00	7,486.61	7,228.21	7,171.37	87.16	27.90	103.35	1,486.26	-1,261.79	5,054.99	4,981.72	73.27	68.994		
8,900.00	7,515.20	7,255.00	7,196.25	87.20	27.93	99.50	1,476.39	-1,262.98	5,073.50	5,000.28	73.22	69.293		
8,950.00	7,541.00	7,255.00	7,196.25	87.21	27.93	96.09	1,476.39	-1,262.98	5,090.13	5,016.98	73.15	69.582		
9,000.00	7,563.81	7,255.00	7,196.25	87.17	27.93	93.22	1,476.39	-1,262.98	5,105.00	5,031.90	73.10	69.835		
9,050.00	7,583.47	7,255.00	7,196.25	87.10	27.93	90.84	1,476.39	-1,262.98	5,118.00	5,044.94	73.06	70.048		
9,100.00	7,599.81	7,255.00	7,196.25	87.00	27.93	88.92	1,476.39	-1,262.98	5,129.05	5,056.00	73.05	70.214		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1B-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 140-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,150.00	7,612.72	7,255.00	7,196.25	86.88	27.93	87.43	1,476.39	-1,262.98	5,138.09	5,065.03	73.06	70.329		
9,200.00	7,622.09	7,290.52	7,228.82	86.72	27.96	86.67	1,462.40	-1,265.11	5,144.50	5,071.38	73.12	70.359		
9,250.00	7,627.87	7,296.20	7,233.99	86.55	27.97	86.04	1,460.09	-1,265.53	5,149.15	5,075.97	73.18	70.358		
9,303.98	7,630.00	7,301.64	7,238.94	86.35	27.97	85.77	1,457.87	-1,265.94	5,151.75	5,078.46	73.29	70.293		
9,400.00	7,630.00	7,310.76	7,247.21	85.99	27.98	85.86	1,454.10	-1,266.69	5,155.00	5,081.48	73.52	70.118		
9,500.00	7,630.00	8,012.97	7,655.26	85.62	28.29	90.40	923.66	-1,282.86	5,155.64	5,084.22	71.42	72.190		
9,600.00	7,630.00	8,057.00	7,660.81	85.28	28.37	90.47	880.00	-1,281.68	5,152.37	5,080.82	71.55	72.012		
9,700.00	7,630.00	8,168.32	7,672.33	84.95	28.67	90.59	769.31	-1,278.78	5,149.54	5,078.01	71.52	71.997		
9,800.00	7,630.00	8,235.00	7,675.07	84.64	28.90	90.62	702.73	-1,277.28	5,146.88	5,075.14	71.74	71.740		
9,900.00	7,630.00	8,287.45	7,675.27	84.34	29.11	90.63	650.28	-1,276.53	5,144.97	5,072.89	72.08	71.377		
10,000.00	7,630.00	8,369.68	7,675.34	84.06	29.50	90.63	568.06	-1,275.63	5,143.54	5,071.08	72.45	70.991		
10,100.00	7,630.00	8,462.07	7,675.65	83.80	30.01	90.63	475.67	-1,274.86	5,142.37	5,069.41	72.96	70.485		
10,200.00	7,630.00	8,668.77	7,676.24	83.56	31.43	90.64	269.02	-1,271.12	5,140.26	5,066.37	73.89	69.571		
10,300.00	7,630.00	8,729.29	7,676.05	83.33	31.92	90.64	208.51	-1,269.55	5,137.37	5,062.69	74.68	68.789		
10,400.00	7,630.00	8,769.00	7,675.72	83.12	32.25	90.63	168.81	-1,268.86	5,135.42	5,059.97	75.45	68.067		
10,500.00	7,630.00	8,826.81	7,675.70	82.92	32.77	90.63	111.00	-1,268.42	5,134.43	5,058.06	76.36	67.239		
10,600.00	7,630.00	8,942.46	7,677.72	82.75	33.85	90.66	-4.63	-1,268.55	5,134.29	5,056.60	77.69	66.089		
10,700.00	7,630.00	9,124.73	7,679.04	82.59	35.73	90.67	-186.87	-1,266.18	5,132.59	5,052.88	79.71	64.392		
10,800.00	7,630.00	9,204.09	7,679.31	82.45	36.61	90.67	-266.21	-1,264.73	5,130.44	5,049.33	81.11	63.254		
10,900.00	7,630.00	9,265.62	7,679.88	82.33	37.32	90.68	-327.74	-1,263.94	5,128.84	5,046.42	82.42	62.228		
11,000.00	7,630.00	9,346.06	7,680.37	82.22	38.26	90.69	-408.18	-1,263.53	5,127.97	5,044.00	83.97	61.067		
11,100.00	7,630.00	9,421.35	7,680.57	82.14	39.17	90.69	-483.47	-1,263.18	5,127.22	5,041.68	85.54	59.939		
11,131.93	7,630.00	9,436.12	7,680.71	82.12	39.35	90.69	-498.24	-1,263.20	5,127.17	5,041.21	85.96	59.645		
11,200.00	7,630.00	9,482.00	7,681.49	82.08	39.92	90.70	-544.11	-1,263.58	5,127.46	5,040.45	87.01	58.932		
11,300.00	7,630.00	9,557.07	7,683.53	82.04	40.87	90.72	-619.14	-1,264.55	5,128.36	5,039.66	88.70	57.818		
11,400.00	7,630.00	9,658.11	7,686.92	82.02	42.18	90.76	-720.12	-1,265.75	5,129.26	5,038.48	90.78	56.502		
11,500.00	7,630.00	9,784.18	7,691.49	82.03	43.86	90.81	-846.10	-1,266.88	5,129.86	5,036.56	93.30	54.984		
11,600.00	7,630.00	9,869.89	7,694.70	82.06	45.03	90.85	-931.75	-1,267.46	5,130.28	5,034.93	95.34	53.808		
11,700.00	7,630.00	9,927.00	7,695.66	82.12	45.82	90.86	-988.84	-1,268.21	5,131.32	5,034.30	97.02	52.890		
11,800.00	7,630.00	10,003.03	7,695.72	82.21	46.88	90.86	-1,064.86	-1,269.73	5,133.00	5,034.00	99.00	51.850		
11,900.00	7,630.00	10,131.59	7,694.48	82.33	48.71	90.84	-1,193.38	-1,272.49	5,134.82	5,032.99	101.83	50.428		
12,000.00	7,630.00	10,244.93	7,692.53	82.48	50.35	90.82	-1,306.69	-1,274.19	5,135.95	5,031.44	104.50	49.147		
12,100.00	7,630.00	10,389.59	7,688.66	82.66	52.48	90.78	-1,451.29	-1,275.92	5,136.81	5,029.04	107.77	47.666		
12,200.00	7,630.00	10,468.81	7,686.81	82.88	53.66	90.76	-1,530.48	-1,276.61	5,137.31	5,027.30	110.01	46.698		
12,300.00	7,630.00	10,567.09	7,687.98	83.14	55.14	90.77	-1,628.74	-1,277.64	5,138.04	5,025.40	112.64	45.617		
12,400.00	7,630.00	10,714.23	7,692.83	83.44	57.39	90.82	-1,775.79	-1,278.72	5,138.56	5,022.36	116.20	44.220		
12,500.00	7,630.00	10,881.75	7,691.24	83.79	59.99	90.81	-1,943.28	-1,277.74	5,137.57	5,017.36	120.21	42.739		
12,600.00	7,630.00	11,010.48	7,686.44	84.18	62.02	90.75	-2,071.90	-1,275.80	5,135.64	5,012.08	123.56	41.565		
12,700.00	7,630.00	11,068.73	7,684.49	84.61	62.94	90.73	-2,130.12	-1,275.06	5,133.99	5,008.38	125.61	40.871		
12,800.00	7,630.00	11,181.38	7,682.13	85.10	64.72	90.70	-2,242.74	-1,274.09	5,132.78	5,004.04	128.74	39.870		
12,900.00	7,630.00	11,243.53	7,680.98	85.64	65.72	90.69	-2,304.88	-1,273.65	5,131.69	5,000.79	130.91	39.202		
13,000.00	7,630.00	11,404.82	7,678.82	86.22	68.30	90.67	-2,466.15	-1,272.21	5,130.51	4,995.45	135.07	37.985		
13,100.00	7,630.00	11,500.00	7,679.93	86.86	95.80	90.68	-2,598.08	-1,269.43	5,128.03	4,993.95	164.08	31.254		
13,200.00	7,630.00	11,569.00	7,680.45	87.56	70.96	90.69	-2,630.28	-1,268.89	5,126.09	4,985.75	140.33	36.528		
13,300.00	7,630.00	11,620.00	7,681.37	88.30	71.79	90.70	-2,681.27	-1,268.99	5,125.65	4,983.31	142.34	36.009		
13,314.97	7,630.00	11,620.00	7,681.37	88.42	71.79	90.70	-2,681.27	-1,268.99	5,125.63	4,983.15	142.49	35.973		
13,400.00	7,630.00	11,640.85	7,681.77	89.10	72.13	90.70	-2,702.12	-1,269.30	5,126.27	4,982.56	143.71	35.670		
13,500.00	7,630.00	11,709.00	7,682.98	89.94	73.24	90.71	-2,770.24	-1,270.60	5,127.86	4,981.79	146.07	35.105		
13,600.00	7,630.00	11,879.01	7,685.26	90.84	76.01	90.74	-2,940.21	-1,273.36	5,129.25	4,978.62	150.63	34.052		
13,700.00	7,630.00	11,938.43	7,686.18	91.78	76.98	90.75	-2,999.61	-1,274.03	5,130.09	4,977.25	152.84	33.565		
13,800.00	7,630.00	12,001.33	7,687.91	92.77	78.02	90.77	-3,062.48	-1,275.33	5,131.82	4,976.70	155.13	33.082		
13,900.00	7,630.00	12,094.85	7,691.29	93.79	79.56	90.81	-3,155.91	-1,277.57	5,133.93	4,975.83	158.10	32.473		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1B-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 140-MWD OWSSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance						Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,000.00	7,630.00	12,194.44	7,695.46	94.86	81.20	90.85	-3,255.38	-1,279.98	5,136.08	4,974.86	161.23	31.857		
14,100.00	7,630.00	12,298.96	7,700.19	95.97	82.93	90.91	-3,359.77	-1,282.49	5,138.22	4,973.74	164.48	31.239		
14,200.00	7,630.00	12,381.16	7,704.02	97.11	84.29	90.95	-3,441.86	-1,284.47	5,140.39	4,973.14	167.24	30.736		
14,300.00	7,630.00	12,487.92	7,707.34	98.28	86.06	90.98	-3,548.52	-1,287.50	5,142.95	4,972.38	170.57	30.152		
14,400.00	7,630.00	12,644.44	7,709.77	99.48	88.67	91.01	-3,704.98	-1,290.70	5,144.69	4,969.64	175.05	29.390		
14,500.00	7,630.00	12,758.71	7,711.71	100.72	90.59	91.03	-3,819.22	-1,292.14	5,145.62	4,967.04	178.58	28.813		
14,600.00	7,630.00	12,884.15	7,717.27	101.97	92.69	91.09	-3,944.53	-1,293.34	5,146.34	4,963.94	182.41	28.214		
14,700.00	7,630.00	12,994.41	7,722.95	103.26	94.55	91.16	-4,054.64	-1,294.01	5,146.72	4,960.82	185.90	27.686		
14,800.00	7,630.00	13,092.14	7,727.82	104.56	96.21	91.21	-4,152.26	-1,294.39	5,146.87	4,957.77	189.10	27.217		
14,900.00	7,630.00	13,182.03	7,730.87	105.89	97.73	91.25	-4,242.09	-1,295.00	5,147.29	4,955.16	192.13	26.790		
15,000.00	7,630.00	13,282.64	7,733.79	107.24	99.43	91.28	-4,342.65	-1,295.74	5,147.76	4,952.34	195.42	26.342		
15,100.00	7,630.00	13,420.86	7,737.06	108.60	101.77	91.31	-4,480.83	-1,296.36	5,147.95	4,948.35	199.60	25.791		
15,200.00	7,630.00	13,595.30	7,741.22	109.98	104.74	91.36	-4,655.22	-1,295.06	5,146.90	4,942.27	204.63	25.152		
15,300.00	7,630.00	13,894.18	7,742.07	111.38	109.86	91.37	-4,953.84	-1,284.56	5,142.71	4,930.24	212.47	24.205		
15,400.00	7,630.00	13,937.00	7,741.78	112.79	110.60	91.37	-4,996.62	-1,282.68	5,137.79	4,923.27	214.52	23.950		
15,500.00	7,630.00	13,937.00	7,741.78	114.22	110.60	91.37	-4,996.62	-1,282.68	5,134.28	4,918.72	215.56	23.818		
15,600.00	7,630.00	13,985.05	7,741.14	115.66	111.42	91.36	-5,044.65	-1,281.55	5,131.92	4,914.24	217.68	23.576		
15,700.00	7,630.00	14,026.00	7,740.38	117.11	112.13	91.36	-5,085.59	-1,281.49	5,131.15	4,911.54	219.60	23.365		
15,719.32	7,630.00	14,026.00	7,740.38	117.39	112.13	91.36	-5,085.59	-1,281.49	5,131.11	4,911.33	219.78	23.346		
15,800.00	7,630.00	14,072.74	7,739.36	118.57	112.92	91.34	-5,132.31	-1,281.95	5,131.50	4,909.85	221.64	23.152		
15,900.00	7,630.00	15,900.00	7,736.38	120.05	144.17	91.31	-5,256.61	-1,282.90	5,131.86	4,877.18	254.68	20.151		
16,000.00	7,630.00	14,271.98	7,735.20	121.53	116.33	91.30	-5,331.51	-1,283.28	5,132.06	4,903.79	228.28	22.482		
16,100.00	7,630.00	14,365.97	7,735.65	123.03	117.94	91.30	-5,425.48	-1,284.42	5,132.95	4,901.48	231.47	22.175		
16,200.00	7,630.00	14,503.66	7,737.45	124.53	120.30	91.32	-5,563.16	-1,285.48	5,133.43	4,897.68	235.75	21.775		
16,300.00	7,630.00	14,663.79	7,740.04	126.04	123.06	91.35	-5,723.26	-1,285.02	5,132.80	4,892.23	240.57	21.336		
16,400.00	7,630.00	14,739.00	7,740.63	127.56	124.35	91.36	-5,798.47	-1,284.70	5,132.03	4,888.69	243.34	21.090		
16,500.00	7,630.00	14,828.34	7,739.62	129.09	125.89	91.35	-5,887.80	-1,284.67	5,131.62	4,885.17	246.45	20.822		
16,600.00	7,630.00	14,934.64	7,738.00	130.62	127.72	91.33	-5,994.09	-1,284.54	5,131.12	4,881.16	249.97	20.527		
16,700.00	7,630.00	15,064.99	7,737.86	132.16	129.97	91.33	-6,124.44	-1,284.12	5,130.52	4,876.43	254.09	20.192		
16,800.00	7,630.00	15,149.71	7,737.90	133.71	131.43	91.33	-6,209.15	-1,283.39	5,129.35	4,872.25	257.10	19.951		
16,900.00	7,630.00	15,230.43	7,740.06	135.27	132.83	91.35	-6,289.84	-1,283.18	5,128.80	4,868.77	260.02	19.724		
16,966.13	7,630.00	15,273.00	7,741.13	136.30	133.57	91.36	-6,332.40	-1,283.10	5,128.54	4,866.86	261.69	19.598		
17,000.00	7,630.00	15,273.00	7,741.13	136.83	133.57	91.36	-6,332.40	-1,283.10	5,128.66	4,866.67	261.99	19.576		
17,100.00	7,630.00	15,325.35	7,742.18	138.39	134.47	91.38	-6,384.73	-1,283.54	5,129.49	4,865.32	264.17	19.417		
17,200.00	7,630.00	15,362.00	7,742.70	139.97	135.10	91.38	-6,421.37	-1,284.50	5,131.73	4,865.81	265.92	19.298		
17,300.00	7,630.00	15,405.31	7,743.19	141.54	135.84	91.39	-6,464.65	-1,286.14	5,135.15	4,867.34	267.81	19.174		
17,400.00	7,630.00	15,459.73	7,743.74	143.12	136.77	91.39	-6,519.00	-1,288.74	5,139.57	4,869.60	269.97	19.037		
17,500.00	7,630.00	15,711.53	7,747.78	144.71	141.10	91.44	-6,770.60	-1,297.36	5,142.38	4,865.01	277.37	18.540		
17,600.00	7,630.00	15,863.23	7,751.88	146.30	143.73	91.48	-6,922.22	-1,299.85	5,143.76	4,861.66	282.10	18.234		
17,700.00	7,630.00	15,962.34	7,755.06	147.90	145.44	91.52	-7,021.27	-1,300.84	5,144.51	4,859.02	285.49	18.020		
17,800.00	7,630.00	16,088.57	7,759.26	149.50	147.63	91.56	-7,147.42	-1,301.98	5,145.18	4,855.60	289.58	17.768		
17,900.00	7,630.00	16,164.00	7,760.72	151.10	148.94	91.58	-7,222.84	-1,302.56	5,145.69	4,853.32	292.37	17.600		
18,000.00	7,630.00	16,225.19	7,762.09	152.71	150.00	91.59	-7,284.00	-1,303.39	5,146.83	4,852.04	294.79	17.459		
18,100.00	7,630.00	16,337.56	7,767.17	154.32	151.94	91.65	-7,396.24	-1,305.58	5,148.60	4,850.07	298.54	17.246		
18,200.00	7,630.00	16,419.57	7,771.38	155.94	153.37	91.70	-7,478.13	-1,306.96	5,150.11	4,848.62	301.49	17.082		
18,300.00	7,630.00	16,517.58	7,775.87	157.56	155.06	91.75	-7,576.01	-1,308.88	5,151.87	4,847.00	304.87	16.899		
18,400.00	7,630.00	16,633.57	7,780.40	159.18	157.08	91.79	-7,691.89	-1,310.94	5,153.43	4,844.71	308.72	16.693		
18,500.00	7,630.00	16,985.48	7,791.27	160.80	163.22	91.92	-8,043.55	-1,306.57	5,150.75	4,832.32	318.43	16.176		
18,600.00	7,630.00	17,119.07	7,793.34	162.43	165.56	91.94	-8,177.03	-1,301.57	5,146.64	4,823.97	322.67	15.950		
18,700.00	7,630.00	17,254.62	7,794.42	164.06	167.93	91.96	-8,312.47	-1,296.11	5,142.34	4,815.39	326.95	15.728		
18,800.00	7,630.00	17,340.00	7,795.17	165.70	169.43	91.97	-8,397.75	-1,292.17	5,137.46	4,807.39	330.07	15.565		
18,900.00	7,630.00	17,340.00	7,795.17	167.33	169.43	91.97	-8,397.75	-1,292.17	5,133.93	4,802.76	331.17	15.503		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SEC 22-T1N-R68W - EXIST HZ COSSLETT 1B-22H-B168 - OWB - FINAL SURVEY												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 140-MWD OWSG												<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
19,000.00	7,630.00	17,340.00	7,795.17	168.97	169.43	91.97	-8,397.75	-1,292.17	5,132.34	4,800.19	332.15	15.452	
19,021.79	7,630.00	17,340.00	7,795.17	169.33	169.43	91.97	-8,397.75	-1,292.17	5,132.25	4,799.91	332.34	15.443 SF	

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1C-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 177-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	-54.19	787.25	-1,091.14	1,345.53					
100.00	100.00	92.16	92.16	0.13	0.14	-54.20	787.11	-1,091.15	1,345.42	1,345.14	0.28	4,833.672		
200.00	200.00	194.56	194.56	0.49	0.30	-54.21	786.60	-1,091.20	1,345.17	1,344.37	0.80	1,688.535		
290.45	290.45	280.45	280.45	0.82	0.65	-54.23	786.16	-1,091.39	1,345.06	1,343.59	1.46	919.390 CC		
300.00	300.00	289.63	289.63	0.85	0.68	-54.24	786.11	-1,091.43	1,345.06	1,343.53	1.53	879.101		
400.00	400.00	388.26	388.26	1.21	1.03	-54.26	785.76	-1,091.81	1,345.16	1,342.93	2.24	601.736		
500.00	500.00	487.92	487.92	1.57	1.37	-54.27	785.69	-1,092.03	1,345.31	1,342.36	2.94	457.218		
600.00	600.00	584.07	584.06	1.93	1.71	-54.30	785.18	-1,092.74	1,345.59	1,341.95	3.64	369.694 ES		
700.00	700.00	658.81	658.79	2.29	1.98	-54.32	785.48	-1,093.77	1,346.96	1,342.70	4.26	316.185		
800.00	799.98	735.11	735.01	2.64	2.24	-115.99	788.74	-1,094.45	1,350.93	1,346.05	4.88	276.996		
900.00	899.84	807.84	807.47	2.99	2.50	-115.79	794.89	-1,094.49	1,358.23	1,352.75	5.48	247.858		
1,000.00	999.45	888.53	887.61	3.35	2.78	-115.55	804.27	-1,094.60	1,368.92	1,362.80	6.12	223.592		
1,100.00	1,098.70	981.67	979.97	3.73	3.13	-115.34	816.28	-1,094.82	1,381.96	1,375.13	6.83	202.441		
1,200.00	1,197.47	1,073.41	1,070.83	4.11	3.48	-115.17	829.03	-1,094.71	1,396.79	1,389.25	7.55	185.095		
1,300.00	1,295.62	1,162.35	1,158.73	4.53	3.83	-115.04	842.55	-1,094.48	1,413.75	1,405.47	8.28	170.732		
1,400.00	1,393.06	1,251.81	1,247.03	4.97	4.19	-114.96	856.94	-1,094.39	1,432.82	1,423.77	9.04	158.426		
1,500.00	1,489.64	1,346.99	1,340.97	5.44	4.59	-114.99	872.25	-1,094.78	1,453.79	1,443.93	9.86	147.376		
1,600.00	1,585.27	1,431.41	1,424.24	5.95	4.94	-115.02	886.12	-1,095.25	1,476.62	1,465.95	10.67	138.374		
1,700.00	1,679.82	1,511.68	1,503.31	6.51	5.28	-115.07	899.91	-1,096.27	1,502.00	1,490.51	11.50	130.660		
1,800.00	1,773.17	1,617.05	1,607.01	7.13	5.74	-115.35	918.47	-1,097.90	1,529.49	1,517.01	12.48	122.581		
1,900.00	1,865.21	1,716.43	1,705.13	7.79	6.16	-115.72	934.19	-1,099.43	1,557.71	1,544.24	13.47	115.668		
2,000.00	1,955.84	1,789.99	1,777.78	8.51	6.48	-115.89	945.65	-1,101.05	1,588.15	1,573.78	14.37	110.522		
2,100.00	2,044.94	1,917.87	1,904.20	9.30	7.02	-116.74	964.59	-1,104.28	1,620.55	1,604.97	15.57	104.052		
2,200.00	2,132.39	1,991.28	1,976.93	10.15	7.32	-117.03	974.36	-1,106.10	1,654.05	1,637.51	16.55	99.968		
2,300.00	2,218.11	2,067.35	2,052.30	11.07	7.64	-117.37	984.38	-1,108.47	1,690.18	1,672.61	17.56	96.236		
2,400.00	2,301.97	2,180.54	2,164.47	12.06	8.10	-118.24	999.19	-1,111.64	1,728.32	1,709.51	18.80	91.922		
2,500.00	2,383.88	2,307.34	2,290.34	13.11	8.62	-119.35	1,014.43	-1,112.37	1,766.51	1,746.37	20.14	87.713		
2,512.74	2,394.17	2,319.94	2,302.86	13.25	8.67	-119.45	1,015.89	-1,112.32	1,771.45	1,751.16	20.30	87.283		
2,600.00	2,464.54	2,398.29	2,380.69	14.22	8.98	-120.59	1,024.90	-1,111.85	1,805.56	1,784.24	21.32	84.703		
2,700.00	2,545.18	2,481.46	2,463.34	15.35	9.31	-121.76	1,034.22	-1,111.37	1,845.33	1,822.88	22.45	82.208		
2,800.00	2,625.82	2,569.28	2,550.59	16.50	9.66	-122.95	1,044.16	-1,110.80	1,885.83	1,862.24	23.59	79.929		
2,900.00	2,706.45	2,670.38	2,650.86	17.65	10.07	-124.22	1,056.94	-1,108.67	1,926.26	1,901.45	24.81	77.626		
3,000.00	2,787.09	2,735.08	2,714.89	18.82	10.34	-124.97	1,066.05	-1,107.18	1,967.60	1,941.76	25.84	76.142		
3,100.00	2,867.73	2,780.94	2,760.22	19.99	10.54	-125.48	1,072.96	-1,106.65	2,010.71	1,983.96	26.75	75.178		
3,200.00	2,948.37	2,829.00	2,807.64	21.17	10.75	-126.00	1,080.75	-1,106.99	2,055.98	2,028.34	27.64	74.385		
3,300.00	3,029.01	2,891.66	2,869.42	22.36	11.02	-126.66	1,091.17	-1,108.25	2,102.88	2,074.27	28.61	73.504		
3,400.00	3,109.65	2,973.05	2,949.70	23.55	11.38	-127.50	1,104.39	-1,110.34	2,150.58	2,120.90	29.68	72.447		
3,500.00	3,190.29	3,065.55	3,041.05	24.74	11.78	-128.44	1,118.75	-1,112.65	2,198.48	2,167.66	30.82	71.336		
3,600.00	3,270.93	3,160.19	3,134.67	25.94	12.18	-129.38	1,132.43	-1,114.79	2,246.33	2,214.38	31.95	70.314		
3,700.00	3,351.57	3,255.10	3,228.74	27.14	12.58	-130.31	1,144.87	-1,116.75	2,294.13	2,261.08	33.05	69.404		
3,800.00	3,432.21	3,352.31	3,325.24	28.35	12.97	-131.26	1,156.44	-1,118.47	2,341.85	2,307.70	34.15	68.567		
3,900.00	3,512.85	3,441.68	3,413.98	29.56	13.34	-132.09	1,167.04	-1,119.62	2,389.56	2,354.36	35.20	67.879		
4,000.00	3,593.49	3,531.50	3,502.93	30.76	13.71	-132.85	1,179.47	-1,120.13	2,437.41	2,401.15	36.26	67.222		
4,100.00	3,674.13	3,617.52	3,588.06	31.97	14.07	-133.53	1,191.81	-1,120.36	2,485.38	2,448.09	37.29	66.647		
4,200.00	3,754.77	3,716.87	3,686.63	33.19	14.48	-134.34	1,204.20	-1,120.68	2,533.38	2,495.00	38.38	66.002		
4,300.00	3,835.41	3,810.19	3,779.41	34.40	14.85	-135.11	1,214.15	-1,120.77	2,581.22	2,541.81	39.41	65.504		
4,400.00	3,916.05	3,862.22	3,831.20	35.62	15.05	-135.54	1,219.18	-1,121.13	2,629.71	2,589.56	40.15	65.493		
4,500.00	3,996.69	3,917.38	3,886.12	36.83	15.26	-135.99	1,224.28	-1,122.19	2,679.44	2,638.54	40.90	65.513		
4,600.00	4,077.33	3,979.74	3,948.19	38.05	15.50	-136.50	1,229.92	-1,123.90	2,730.13	2,688.45	41.68	65.509		
4,700.00	4,157.96	4,090.92	4,058.98	39.27	15.92	-137.40	1,238.66	-1,126.80	2,780.84	2,738.10	42.74	65.068		
4,800.00	4,238.60	4,147.20	4,115.10	40.49	16.13	-137.85	1,242.69	-1,128.33	2,831.89	2,788.45	43.44	65.185		
4,900.00	4,319.24	4,232.99	4,200.53	41.71	16.46	-138.49	1,250.08	-1,130.96	2,883.66	2,839.31	44.35	65.027		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1C-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 177-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	4,399.88	4,411.30	4,377.29	42.93	17.19	-139.57	1,273.28	-1,131.35	2,933.30	2,887.36	45.94	63.844		
5,100.00	4,480.52	4,482.21	4,447.56	44.15	17.49	-139.97	1,282.77	-1,130.65	2,982.59	2,935.78	46.80	63.727		
5,200.00	4,561.16	4,530.51	4,495.39	45.37	17.69	-140.23	1,289.45	-1,130.64	3,032.84	2,985.35	47.49	63.858		
5,300.00	4,641.80	4,586.29	4,550.61	46.59	17.92	-140.53	1,297.40	-1,131.23	3,084.16	3,035.94	48.23	63.949		
5,400.00	4,722.44	4,649.54	4,613.28	47.82	18.19	-140.87	1,305.88	-1,132.41	3,136.24	3,087.23	49.00	63.999		
5,500.00	4,803.08	4,728.38	4,691.55	49.04	18.51	-141.31	1,315.10	-1,134.23	3,188.74	3,138.87	49.87	63.941		
5,600.00	4,883.72	4,800.69	4,763.38	50.27	18.80	-141.71	1,323.17	-1,136.08	3,241.56	3,190.88	50.68	63.965		
5,700.00	4,964.36	4,893.00	4,854.77	51.49	19.19	-142.16	1,335.91	-1,138.34	3,294.59	3,242.92	51.67	63.768		
5,800.00	5,045.00	4,968.81	4,929.36	52.71	19.53	-142.45	1,349.35	-1,139.90	3,347.57	3,295.00	52.57	63.679		
5,900.00	5,125.64	5,047.63	5,006.78	53.94	19.89	-142.74	1,364.06	-1,141.69	3,400.85	3,347.35	53.51	63.559		
6,000.00	5,206.28	5,133.63	5,091.48	55.17	20.27	-143.07	1,378.77	-1,143.72	3,454.21	3,399.73	54.48	63.399		
6,100.00	5,286.92	5,225.35	5,182.23	56.39	20.66	-143.45	1,391.87	-1,145.83	3,507.52	3,452.05	55.46	63.238		
6,200.00	5,367.56	5,314.62	5,270.92	57.62	21.02	-143.87	1,401.91	-1,147.75	3,560.69	3,504.31	56.38	63.154		
6,300.00	5,448.20	5,395.27	5,351.20	58.84	21.33	-144.27	1,409.31	-1,149.47	3,613.93	3,556.72	57.21	63.174		
6,400.00	5,528.84	5,469.26	5,424.77	60.07	21.63	-144.60	1,416.97	-1,151.11	3,667.40	3,609.40	58.00	63.236		
6,500.00	5,609.47	5,539.85	5,494.61	61.30	21.92	-144.87	1,427.08	-1,152.84	3,721.21	3,662.42	58.80	63.291		
6,600.00	5,690.11	5,613.62	5,567.50	62.53	22.24	-145.13	1,438.30	-1,154.83	3,775.33	3,715.69	59.63	63.308		
6,700.00	5,770.75	5,693.89	5,647.04	63.75	22.58	-145.43	1,448.85	-1,157.13	3,829.64	3,769.14	60.50	63.303		
6,800.00	5,851.39	5,963.12	5,914.40	64.98	23.66	-146.46	1,480.04	-1,158.07	3,881.70	3,818.97	62.73	61.878		
6,900.00	5,932.03	6,026.11	5,976.82	66.21	23.92	-146.67	1,488.49	-1,156.94	3,932.33	3,868.86	63.47	61.954		
7,000.00	6,012.67	6,065.00	6,015.35	67.44	24.08	-146.80	1,493.75	-1,156.51	3,983.72	3,919.69	64.03	62.220		
7,100.00	6,093.31	6,120.85	6,070.72	68.66	24.31	-146.98	1,501.03	-1,156.40	4,035.89	3,971.20	64.70	62.382		
7,200.00	6,173.95	6,167.57	6,117.09	69.89	24.50	-147.14	1,506.66	-1,156.85	4,088.99	4,023.71	65.28	62.633		
7,300.00	6,254.59	6,227.28	6,176.34	71.12	24.75	-147.34	1,514.01	-1,157.81	4,142.74	4,076.77	65.97	62.799		
7,400.00	6,335.23	6,296.25	6,244.77	72.35	25.03	-147.56	1,522.61	-1,159.26	4,196.93	4,130.21	66.72	62.903		
7,500.00	6,415.87	7,500.00	6,348.49	73.58	29.90	-147.90	1,534.80	-1,161.22	4,251.02	4,178.84	72.18	58.891		
7,600.00	6,496.51	6,471.53	6,418.82	74.81	25.74	-148.13	1,543.03	-1,162.31	4,304.95	4,236.46	68.50	62.848		
7,700.00	6,577.15	6,518.86	6,468.87	76.04	25.93	-148.29	1,548.08	-1,163.41	4,359.59	4,290.53	69.06	63.127		
7,800.00	6,657.79	6,574.56	6,521.29	77.27	26.14	-148.48	1,553.32	-1,165.06	4,414.86	4,345.19	69.67	63.369		
7,900.00	6,738.43	6,638.03	6,584.52	78.50	26.38	-148.70	1,558.44	-1,167.25	4,470.63	4,400.31	70.32	63.574		
8,000.00	6,819.07	6,886.66	6,832.20	79.73	27.32	-149.54	1,579.52	-1,170.31	4,523.81	4,451.48	72.33	62.545		
8,100.00	6,899.71	6,933.61	6,879.03	80.96	27.49	-149.70	1,582.79	-1,170.41	4,577.15	4,504.29	72.86	62.820		
8,200.00	6,980.35	6,987.27	6,932.62	82.18	27.67	-149.90	1,585.49	-1,170.87	4,631.17	4,557.77	73.41	63.087		
8,240.58	7,013.07	7,011.38	6,956.72	82.68	27.75	-150.00	1,585.90	-1,171.11	4,653.25	4,579.61	73.63	63.196		
8,250.00	7,020.68	7,016.93	6,962.27	82.80	27.77	-151.82	1,585.91	-1,171.17	4,658.39	4,584.70	73.68	63.222		
8,300.00	7,061.63	8,300.00	7,057.18	83.40	30.80	-162.22	1,579.13	-1,171.00	4,685.47	4,608.48	76.98	60.863		
8,350.00	7,103.23	7,135.00	7,079.84	83.97	28.07	-172.87	1,576.92	-1,170.83	4,712.70	4,638.34	74.36	63.375		
8,400.00	7,145.18	7,135.00	7,079.84	84.51	28.07	176.16	1,576.92	-1,170.83	4,740.17	4,665.76	74.41	63.704		
8,450.00	7,187.16	7,175.46	7,119.50	85.01	28.13	165.14	1,568.98	-1,170.24	4,767.02	4,692.50	74.53	63.963		
8,500.00	7,228.84	7,185.59	7,129.35	85.46	28.15	154.55	1,566.60	-1,170.24	4,794.06	4,719.51	74.55	64.307		
8,550.00	7,269.91	7,224.00	7,166.32	85.86	28.21	144.66	1,556.23	-1,170.74	4,821.02	4,746.42	74.60	64.627		
8,600.00	7,310.05	7,224.00	7,166.32	86.20	28.21	135.63	1,556.23	-1,170.74	4,846.82	4,772.26	74.56	65.004		
8,650.00	7,348.97	7,224.00	7,166.32	86.50	28.21	127.52	1,556.23	-1,170.74	4,871.92	4,797.41	74.51	65.387		
8,700.00	7,386.36	7,224.00	7,166.32	86.74	28.21	120.33	1,556.23	-1,170.74	4,896.12	4,821.68	74.44	65.769		
8,750.00	7,421.94	7,224.00	7,166.32	86.93	28.21	114.01	1,556.23	-1,170.74	4,919.27	4,844.90	74.37	66.145		
8,800.00	7,455.44	7,224.00	7,166.32	87.07	28.21	108.51	1,556.23	-1,170.74	4,941.21	4,866.91	74.29	66.509		
8,850.00	7,486.61	7,224.00	7,166.32	87.16	28.21	103.75	1,556.23	-1,170.74	4,961.77	4,887.56	74.22	66.856		
8,900.00	7,515.20	7,259.62	7,200.05	87.20	28.24	99.92	1,544.86	-1,172.02	4,980.24	4,906.05	74.19	67.131		
8,950.00	7,541.00	7,267.50	7,207.44	87.21	28.25	96.51	1,542.15	-1,172.42	4,997.38	4,923.24	74.14	67.409		
9,000.00	7,563.81	7,275.08	7,214.52	87.17	28.26	93.64	1,539.48	-1,172.85	5,012.74	4,938.64	74.10	67.652		
9,050.00	7,583.47	7,313.00	7,249.50	87.10	28.29	91.54	1,525.12	-1,175.57	5,026.65	4,952.55	74.09	67.841		
9,100.00	7,599.81	7,313.00	7,249.50	87.00	28.29	89.59	1,525.12	-1,175.57	5,038.00	4,963.91	74.09	67.999		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1C-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 177-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,150.00	7,612.72	7,313.00	7,249.50	86.88	28.29	88.06	1,525.12	-1,175.57	5,047.38	4,973.27	74.11	68.108		
9,200.00	7,622.09	7,313.00	7,249.50	86.72	28.29	86.93	1,525.12	-1,175.57	5,054.73	4,980.58	74.15	68.166		
9,250.00	7,627.87	7,313.00	7,249.50	86.55	28.29	86.18	1,525.12	-1,175.57	5,060.01	4,985.78	74.23	68.171		
9,303.98	7,630.00	7,313.00	7,249.50	86.35	28.29	85.80	1,525.12	-1,175.57	5,063.33	4,988.99	74.34	68.113		
9,400.00	7,630.00	7,313.00	7,249.50	85.99	28.29	85.80	1,525.12	-1,175.57	5,067.95	4,993.37	74.58	67.955		
9,500.00	7,630.00	8,293.00	7,789.70	85.62	29.19	91.92	774.17	-1,184.12	5,067.59	4,995.90	71.70	70.680		
9,600.00	7,630.00	8,293.00	7,789.70	85.28	29.19	91.92	774.17	-1,184.12	5,061.49	4,989.42	72.07	70.231		
9,700.00	7,630.00	8,370.69	7,792.02	84.95	29.47	91.95	696.60	-1,180.57	5,056.66	4,984.40	72.26	69.981		
9,800.00	7,630.00	8,446.83	7,792.15	84.64	29.81	91.95	620.52	-1,177.41	5,052.20	4,979.64	72.55	69.635		
9,900.00	7,630.00	8,508.37	7,792.15	84.34	30.12	91.96	559.02	-1,175.22	5,048.32	4,975.36	72.96	69.190		
10,000.00	7,630.00	8,560.00	7,792.56	84.06	30.40	91.96	507.41	-1,173.81	5,045.31	4,971.87	73.44	68.697		
10,100.00	7,630.00	8,620.50	7,793.07	83.80	30.77	91.97	446.93	-1,172.68	5,043.17	4,969.15	74.01	68.139		
10,200.00	7,630.00	8,684.89	7,793.08	83.56	31.20	91.97	382.54	-1,172.05	5,041.84	4,967.18	74.66	67.532		
10,300.00	7,630.00	8,765.16	7,791.73	83.33	31.77	91.95	302.29	-1,171.78	5,041.09	4,965.67	75.42	66.837		
10,400.00	7,630.00	8,864.78	7,787.80	83.12	32.57	91.91	202.75	-1,171.60	5,040.45	4,964.08	76.37	66.000		
10,500.00	7,630.00	8,940.45	7,784.50	82.92	33.22	91.87	127.15	-1,171.60	5,039.99	4,962.65	77.34	65.170		
10,512.85	7,630.00	8,947.44	7,784.25	82.90	33.28	91.87	120.16	-1,171.63	5,039.98	4,962.52	77.46	65.068		
10,600.00	7,630.00	9,006.00	7,782.80	82.75	33.81	91.85	61.62	-1,172.15	5,040.34	4,962.01	78.33	64.347		
10,700.00	7,630.00	9,054.54	7,781.71	82.59	34.28	91.84	13.10	-1,172.97	5,041.51	4,962.21	79.30	63.576		
10,800.00	7,630.00	9,362.00	7,761.22	82.45	37.53	91.61	-293.49	-1,172.23	5,040.09	4,957.74	82.34	61.207		
10,900.00	7,630.00	9,396.34	7,760.91	82.33	37.93	91.60	-327.82	-1,171.65	5,038.16	4,954.75	83.40	60.406		
11,000.00	7,630.00	9,451.00	7,762.22	82.22	38.56	91.62	-382.46	-1,171.86	5,037.88	4,953.18	84.69	59.484		
11,015.85	7,630.00	9,451.00	7,762.22	82.21	38.56	91.62	-382.46	-1,171.86	5,037.85	4,953.04	84.82	59.397		
11,100.00	7,630.00	9,458.66	7,762.56	82.14	38.66	91.62	-390.11	-1,171.99	5,038.55	4,953.01	85.53	58.909		
11,200.00	7,630.00	9,527.82	7,765.81	82.08	39.48	91.66	-459.18	-1,173.39	5,040.37	4,953.33	87.05	57.905		
11,300.00	7,630.00	9,618.69	7,769.68	82.04	40.60	91.70	-549.93	-1,175.63	5,042.63	4,953.77	88.86	56.746		
11,400.00	7,630.00	11,400.00	7,772.42	82.02	63.60	91.73	-700.97	-1,178.94	5,044.59	4,932.01	112.58	44.809		
11,500.00	7,630.00	9,945.00	7,775.95	82.03	44.84	91.77	-876.13	-1,179.98	5,044.73	4,950.07	94.66	53.293		
11,586.81	7,630.00	10,022.26	7,776.08	82.06	45.89	91.77	-953.39	-1,180.11	5,044.60	4,948.12	96.47	52.291		
11,600.00	7,630.00	10,032.43	7,776.16	82.06	46.03	91.77	-963.56	-1,180.15	5,044.60	4,947.87	96.73	52.154		
11,700.00	7,630.00	10,112.91	7,777.67	82.12	47.15	91.79	-1,044.02	-1,180.59	5,044.87	4,946.12	98.75	51.086		
11,800.00	7,630.00	10,215.13	7,779.61	82.21	48.59	91.81	-1,146.22	-1,181.42	5,045.40	4,944.24	101.16	49.875		
11,900.00	7,630.00	10,306.62	7,780.02	82.33	49.90	91.82	-1,237.71	-1,182.05	5,045.78	4,942.32	103.46	48.772		
12,000.00	7,630.00	10,384.47	7,781.77	82.48	51.03	91.84	-1,315.53	-1,182.88	5,046.58	4,941.00	105.59	47.796		
12,100.00	7,630.00	10,457.93	7,783.46	82.66	52.10	91.86	-1,388.96	-1,183.97	5,047.82	4,940.15	107.68	46.879		
12,200.00	7,630.00	10,524.14	7,783.57	82.88	53.08	91.86	-1,455.16	-1,185.44	5,049.71	4,940.04	109.66	46.047		
12,300.00	7,630.00	10,609.00	7,784.19	83.14	54.34	91.86	-1,539.98	-1,187.62	5,051.98	4,939.98	112.00	45.107		
12,400.00	7,630.00	10,686.27	7,785.82	83.44	55.49	91.88	-1,617.20	-1,189.86	5,054.63	4,940.39	114.24	44.245		
12,500.00	7,630.00	11,169.98	7,785.71	83.79	62.95	91.88	-2,100.40	-1,189.15	5,055.49	4,931.42	124.08	40.745		
12,600.00	7,630.00	11,206.21	7,786.41	84.18	63.53	91.89	-2,136.60	-1,187.80	5,051.50	4,925.77	125.73	40.179		
12,700.00	7,630.00	11,256.78	7,787.58	84.61	64.33	91.90	-2,187.14	-1,186.58	5,048.72	4,921.07	127.65	39.551		
12,800.00	7,630.00	11,341.68	7,789.75	85.10	65.68	91.93	-2,271.99	-1,184.85	5,046.44	4,916.18	130.26	38.740		
12,900.00	7,630.00	11,411.24	7,789.83	85.64	66.79	91.93	-2,341.54	-1,183.84	5,044.66	4,912.08	132.58	38.050		
13,000.00	7,630.00	11,551.81	7,790.82	86.22	69.05	91.94	-2,482.07	-1,181.28	5,042.43	4,906.08	136.35	36.981		
13,100.00	7,630.00	11,632.32	7,795.42	86.86	70.36	91.99	-2,562.43	-1,179.69	5,040.31	4,901.36	138.95	36.273		
13,200.00	7,630.00	11,707.83	7,801.09	87.56	71.58	92.06	-2,637.72	-1,178.48	5,038.65	4,897.17	141.47	35.616		
13,300.00	7,630.00	11,782.38	7,807.46	88.30	72.80	92.13	-2,711.99	-1,177.65	5,037.50	4,893.52	143.98	34.987		
13,400.00	7,630.00	11,869.17	7,813.36	89.10	74.22	92.20	-2,798.58	-1,177.08	5,036.77	4,890.01	146.76	34.320		
13,500.00	7,630.00	12,010.58	7,818.70	89.94	76.53	92.26	-2,939.88	-1,176.05	5,035.90	4,885.18	150.72	33.412		
13,600.00	7,630.00	12,148.39	7,819.04	90.84	78.80	92.27	-3,077.66	-1,173.91	5,034.00	4,879.38	154.62	32.557		
13,700.00	7,630.00	12,213.00	7,817.20	91.78	79.87	92.25	-3,142.23	-1,172.67	5,031.82	4,874.86	156.96	32.059		
13,800.00	7,630.00	12,262.31	7,815.07	92.77	80.68	92.22	-3,191.48	-1,172.18	5,030.57	4,871.62	158.95	31.648		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1C-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 177-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
13,836.04	7,630.00	12,274.09	7,814.52	93.13	80.88	92.22	-3,203.25	-1,172.21	5,030.48	4,870.94	159.54	31.531		
13,900.00	7,630.00	12,302.00	7,813.17	93.79	81.34	92.20	-3,231.13	-1,172.51	5,030.76	4,870.03	160.73	31.300		
14,000.00	7,630.00	12,416.68	7,808.60	94.86	83.23	92.15	-3,345.71	-1,173.69	5,031.30	4,867.13	164.17	30.647		
14,100.00	7,630.00	12,480.00	7,807.74	95.97	84.28	92.14	-3,409.02	-1,174.44	5,032.09	4,865.61	166.48	30.226		
14,200.00	7,630.00	12,690.81	7,805.63	97.11	87.79	92.11	-3,619.80	-1,174.51	5,031.32	4,859.17	172.15	29.226		
14,300.00	7,630.00	12,748.00	7,804.91	98.28	88.74	92.11	-3,676.98	-1,174.22	5,030.55	4,856.19	174.36	28.851		
14,310.37	7,630.00	12,748.00	7,804.91	98.40	88.74	92.11	-3,676.98	-1,174.22	5,030.54	4,856.08	174.46	28.835		
14,400.00	7,630.00	12,784.47	7,805.06	99.48	89.35	92.11	-3,713.44	-1,174.41	5,030.89	4,854.80	176.09	28.570		
14,500.00	7,630.00	12,837.00	7,806.04	100.72	90.23	92.12	-3,765.95	-1,175.77	5,032.83	4,854.65	178.18	28.246		
14,600.00	7,630.00	12,853.67	7,806.49	101.97	90.50	92.12	-3,782.60	-1,176.41	5,035.79	4,856.39	179.40	28.070		
14,700.00	7,630.00	12,926.00	7,808.36	103.26	91.71	92.14	-3,854.85	-1,179.36	5,039.65	4,857.72	181.93	27.701		
14,800.00	7,630.00	13,201.28	7,811.55	104.56	96.30	92.18	-4,129.92	-1,188.16	5,043.33	4,854.00	189.33	26.638		
14,900.00	7,630.00	13,589.07	7,821.62	105.89	102.89	92.30	-4,517.14	-1,178.82	5,039.18	4,839.92	199.27	25.289		
15,000.00	7,630.00	13,639.00	7,823.71	107.24	103.75	92.32	-4,566.99	-1,176.84	5,034.88	4,833.45	201.44	24.995		
15,100.00	7,630.00	13,639.00	7,823.71	108.60	103.75	92.32	-4,566.99	-1,176.84	5,031.89	4,829.47	202.42	24.859		
15,200.00	7,630.00	13,693.59	7,825.32	109.98	104.68	92.34	-4,621.55	-1,175.77	5,030.00	4,825.35	204.65	24.579		
15,289.33	7,630.00	13,728.00	7,825.86	111.23	105.26	92.35	-4,655.95	-1,175.72	5,029.56	4,823.28	206.28	24.382		
15,300.00	7,630.00	13,728.00	7,825.86	111.38	105.26	92.35	-4,655.95	-1,175.72	5,029.57	4,823.20	206.38	24.371		
15,400.00	7,630.00	13,931.50	7,825.25	112.79	108.73	92.34	-4,859.43	-1,175.39	5,029.38	4,817.24	212.14	23.708		
15,500.00	7,630.00	13,968.70	7,825.29	114.22	109.36	92.34	-4,896.63	-1,175.06	5,028.16	4,814.20	213.95	23.501		
15,600.00	7,630.00	14,098.88	7,825.82	115.66	111.58	92.35	-5,026.81	-1,174.96	5,027.91	4,809.92	217.99	23.065		
15,700.00	7,630.00	14,156.94	7,826.80	117.11	112.58	92.36	-5,084.86	-1,174.78	5,027.26	4,806.95	220.30	22.820		
15,734.05	7,630.00	14,173.00	7,827.30	117.61	112.85	92.36	-5,100.91	-1,174.77	5,027.18	4,806.18	221.00	22.747		
15,800.00	7,630.00	14,200.50	7,828.09	118.57	113.32	92.37	-5,128.40	-1,174.90	5,027.40	4,805.15	222.25	22.621		
15,900.00	7,630.00	14,236.21	7,828.69	120.05	113.93	92.38	-5,164.10	-1,175.50	5,028.80	4,804.83	223.97	22.453		
16,000.00	7,630.00	14,490.67	7,825.19	121.53	118.28	92.34	-5,418.48	-1,176.34	5,027.86	4,796.75	231.11	21.755		
16,100.00	7,630.00	14,619.00	7,825.15	123.03	120.49	92.34	-5,546.80	-1,175.53	5,026.99	4,791.85	235.14	21.379		
16,200.00	7,630.00	14,672.64	7,826.20	124.53	121.41	92.35	-5,600.43	-1,174.95	5,025.75	4,788.38	237.37	21.173		
16,269.14	7,630.00	14,708.00	7,827.07	125.57	122.02	92.36	-5,635.78	-1,174.95	5,025.55	4,786.69	238.86	21.040		
16,300.00	7,630.00	14,721.23	7,827.41	126.04	122.24	92.37	-5,649.00	-1,175.02	5,025.62	4,786.16	239.46	20.988		
16,400.00	7,630.00	14,784.30	7,828.74	127.56	123.33	92.38	-5,712.06	-1,175.63	5,026.34	4,784.45	241.88	20.780		
16,500.00	7,630.00	14,902.89	7,828.77	129.09	125.36	92.38	-5,830.63	-1,177.20	5,027.35	4,781.64	245.71	20.461		
16,600.00	7,630.00	14,940.08	7,828.68	130.62	126.00	92.38	-5,867.81	-1,177.95	5,028.81	4,781.34	247.47	20.321		
16,700.00	7,630.00	15,001.04	7,829.07	132.16	127.04	92.38	-5,928.74	-1,179.67	5,031.26	4,781.44	249.82	20.140		
16,800.00	7,630.00	15,134.64	7,829.75	133.71	129.33	92.39	-6,062.29	-1,183.53	5,033.88	4,779.84	254.05	19.815		
16,900.00	7,630.00	15,332.00	7,829.54	135.27	132.72	92.39	-6,259.63	-1,185.36	5,033.96	4,774.06	259.90	19.369		
17,000.00	7,630.00	15,385.46	7,829.87	136.83	133.64	92.39	-6,313.08	-1,185.62	5,034.34	4,772.24	262.10	19.208		
17,100.00	7,630.00	15,427.27	7,831.06	138.39	134.36	92.40	-6,354.87	-1,186.44	5,036.02	4,772.04	263.98	19.077		
17,200.00	7,630.00	15,535.43	7,834.60	139.97	136.22	92.44	-6,462.94	-1,188.87	5,038.06	4,770.48	267.58	18.828		
17,300.00	7,630.00	15,664.93	7,836.45	141.54	138.45	92.46	-6,592.39	-1,191.92	5,040.24	4,768.51	271.73	18.549		
17,400.00	7,630.00	15,768.69	7,839.28	143.12	140.24	92.49	-6,696.10	-1,193.48	5,041.51	4,766.29	275.22	18.318		
17,500.00	7,630.00	15,827.71	7,840.11	144.71	141.26	92.50	-6,755.10	-1,194.68	5,043.29	4,765.74	277.55	18.171		
17,600.00	7,630.00	16,107.72	7,842.59	146.30	146.11	92.53	-7,035.03	-1,194.89	5,041.90	4,756.35	285.56	17.656		
17,700.00	7,630.00	16,162.00	7,844.29	147.90	147.05	92.55	-7,089.28	-1,194.53	5,041.02	4,753.19	287.83	17.514		
17,756.05	7,630.00	16,195.35	7,845.33	148.79	147.63	92.56	-7,122.62	-1,194.52	5,040.90	4,751.73	289.17	17.432		
17,800.00	7,630.00	16,223.00	7,846.14	149.50	148.11	92.57	-7,150.26	-1,194.63	5,040.98	4,750.72	290.25	17.368		
17,900.00	7,630.00	16,286.88	7,847.21	151.10	149.22	92.58	-7,214.13	-1,195.25	5,041.67	4,748.94	292.73	17.223		
18,000.00	7,630.00	16,362.99	7,847.18	152.71	150.53	92.58	-7,290.22	-1,196.52	5,042.99	4,747.48	295.51	17.065		
18,100.00	7,630.00	16,523.26	7,849.61	154.32	153.31	92.61	-7,450.45	-1,198.55	5,044.04	4,743.54	300.50	16.786		
18,200.00	7,630.00	16,661.23	7,855.36	155.94	155.71	92.67	-7,588.30	-1,198.87	5,044.19	4,739.29	304.90	16.544		
18,300.00	7,630.00	16,738.60	7,857.78	157.56	157.05	92.70	-7,665.64	-1,198.82	5,043.94	4,736.19	307.75	16.390		
18,347.78	7,630.00	16,808.59	7,859.01	158.33	158.27	92.72	-7,735.61	-1,198.95	5,043.94	4,733.98	309.96	16.273		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SEC 22-T1N-R68W - EXIST HZ COSSLETT 1C-22H-B168 - OWB - FINAL SURVEY												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 177-MWD OWSG												<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
18,400.00	7,630.00	16,879.63	7,860.68	159.18	159.50	92.74	-7,806.63	-1,198.59	5,043.53	4,731.31	312.23	16.153	
18,500.00	7,630.00	16,956.40	7,862.76	160.80	160.84	92.76	-7,883.37	-1,198.23	5,042.89	4,727.81	315.07	16.005	
18,536.58	7,630.00	16,976.17	7,863.11	161.40	161.19	92.76	-7,903.14	-1,198.25	5,042.82	4,726.93	315.90	15.964	
18,600.00	7,630.00	17,025.00	7,863.27	162.43	162.03	92.76	-7,951.97	-1,198.60	5,043.05	4,725.35	317.69	15.874	
18,700.00	7,630.00	17,223.39	7,868.06	164.06	165.49	92.82	-8,150.28	-1,198.10	5,042.78	4,719.15	323.64	15.582	
18,800.00	7,630.00	17,314.88	7,869.79	165.70	167.09	92.84	-8,241.74	-1,196.88	5,041.21	4,714.34	326.87	15.423	
18,900.00	7,630.00	17,441.70	7,867.96	167.33	169.30	92.82	-8,368.52	-1,195.33	5,039.62	4,708.64	330.98	15.226	
19,000.00	7,630.00	17,471.00	7,867.23	168.97	169.81	92.81	-8,397.81	-1,194.87	5,038.09	4,705.45	332.64	15.146	
19,021.79	7,630.00	17,471.00	7,867.23	169.33	169.81	92.81	-8,397.81	-1,194.87	5,038.00	4,705.17	332.83	15.137 SF	

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1D-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 318-MWD OWSSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	-53.94	787.25	-1,081.06	1,337.37					
100.00	100.00	88.99	88.99	0.13	0.15	-53.94	787.29	-1,081.07	1,337.36	1,337.08	0.28	4,735.916	CC	
200.00	200.00	187.86	187.86	0.49	0.31	-53.93	787.41	-1,081.13	1,337.48	1,336.67	0.81	1,660.969		
300.00	300.00	286.74	286.74	0.85	0.48	-53.93	787.62	-1,081.22	1,337.68	1,336.35	1.33	1,007.220		
400.00	400.00	382.86	382.86	1.21	0.76	-53.92	788.00	-1,081.36	1,338.04	1,336.07	1.97	678.855	ES	
500.00	500.00	477.70	477.69	1.57	1.10	-53.90	788.80	-1,081.63	1,338.76	1,336.10	2.67	501.512		
600.00	600.00	572.53	572.51	1.93	1.44	-53.86	790.05	-1,082.03	1,339.88	1,336.51	3.37	397.853		
700.00	700.00	675.45	675.42	2.29	1.81	-53.82	791.66	-1,082.43	1,341.12	1,337.02	4.09	327.509		
800.00	799.98	764.60	764.56	2.64	2.13	-115.59	793.06	-1,083.06	1,343.37	1,338.60	4.77	281.736		
900.00	899.84	865.18	865.11	2.99	2.49	-115.67	795.10	-1,083.95	1,347.55	1,342.06	5.48	245.840		
1,000.00	999.45	972.46	972.37	3.35	2.88	-115.88	797.00	-1,084.47	1,352.77	1,346.54	6.22	217.351		
1,100.00	1,098.70	1,070.26	1,070.10	3.73	3.22	-116.07	800.59	-1,083.52	1,359.49	1,352.55	6.94	195.877		
1,200.00	1,197.47	1,181.95	1,181.66	4.11	3.62	-116.36	805.58	-1,081.39	1,367.51	1,359.79	7.72	177.142		
1,300.00	1,295.62	1,285.67	1,285.23	4.53	3.99	-116.72	810.23	-1,078.41	1,376.37	1,367.88	8.49	162.134		
1,400.00	1,393.06	1,372.40	1,371.75	4.97	4.31	-117.00	815.44	-1,075.37	1,387.23	1,378.01	9.22	150.415		
1,500.00	1,489.64	1,464.85	1,463.74	5.44	4.65	-117.28	823.56	-1,071.05	1,400.37	1,390.36	10.01	139.908		
1,600.00	1,585.27	1,559.89	1,557.96	5.95	5.01	-117.52	834.54	-1,065.21	1,415.51	1,404.67	10.84	130.522		
1,700.00	1,679.82	1,649.55	1,646.49	6.51	5.36	-117.70	847.07	-1,058.59	1,432.65	1,420.94	11.70	122.416		
1,800.00	1,773.17	1,724.00	1,719.87	7.13	5.66	-117.80	858.54	-1,053.44	1,452.64	1,440.10	12.54	115.854		
1,900.00	1,865.21	1,800.18	1,794.94	7.79	5.97	-117.95	870.73	-1,049.18	1,475.80	1,462.38	13.42	109.979		
2,000.00	1,955.84	1,874.40	1,868.10	8.51	6.27	-118.11	882.84	-1,046.03	1,502.05	1,487.73	14.33	104.848		
2,100.00	2,044.94	1,945.04	1,937.74	9.30	6.57	-118.27	894.54	-1,044.05	1,531.51	1,516.26	15.25	100.431		
2,200.00	2,132.39	2,024.28	2,015.87	10.15	6.89	-118.55	907.72	-1,043.07	1,564.21	1,547.96	16.25	96.264		
2,300.00	2,218.11	2,159.61	2,149.26	11.07	7.46	-119.51	930.26	-1,039.88	1,598.30	1,580.72	17.58	90.904		
2,400.00	2,301.97	2,246.91	2,235.12	12.06	7.84	-119.89	945.45	-1,035.61	1,632.65	1,613.93	18.72	87.225		
2,500.00	2,383.88	2,333.49	2,320.25	13.11	8.21	-120.28	960.70	-1,031.55	1,669.41	1,649.52	19.89	83.952		
2,512.74	2,394.17	2,344.53	2,331.10	13.25	8.26	-120.33	962.63	-1,031.04	1,674.25	1,654.21	20.04	83.557		
2,600.00	2,464.54	2,416.36	2,401.79	14.22	8.57	-121.25	975.00	-1,027.88	1,707.86	1,686.82	21.05	81.139		
2,700.00	2,545.18	2,499.88	2,484.07	15.35	8.94	-122.31	988.97	-1,024.59	1,747.13	1,724.92	22.21	78.667		
2,800.00	2,625.82	2,600.55	2,583.30	16.50	9.37	-123.53	1,005.50	-1,020.69	1,786.98	1,763.52	23.46	76.169		
2,900.00	2,706.45	2,756.27	2,736.56	17.65	10.05	-125.28	1,030.74	-1,009.95	1,824.62	1,799.60	25.03	72.911		
3,000.00	2,787.09	2,809.44	2,788.75	18.82	10.29	-125.82	1,039.94	-1,005.69	1,862.36	1,836.34	26.02	71.583		
3,100.00	2,867.73	2,873.35	2,851.60	19.99	10.58	-126.48	1,050.87	-1,001.80	1,902.01	1,874.97	27.05	70.325		
3,200.00	2,948.37	2,946.71	2,923.94	21.17	10.90	-127.25	1,062.52	-998.30	1,942.88	1,914.77	28.11	69.124		
3,300.00	3,029.01	3,047.21	3,023.33	22.36	11.33	-128.31	1,076.89	-994.35	1,984.51	1,955.21	29.30	67.728		
3,400.00	3,109.65	3,206.15	3,180.62	23.55	11.99	-129.94	1,097.15	-984.05	2,023.81	1,993.00	30.80	65.699		
3,500.00	3,190.29	3,276.00	3,249.50	24.74	12.30	-130.58	1,107.34	-978.52	2,062.99	2,031.17	31.82	64.839		
3,600.00	3,270.93	3,343.19	3,315.80	25.94	12.59	-131.19	1,117.17	-973.82	2,103.34	2,070.54	32.80	64.132		
3,700.00	3,351.57	3,431.19	3,402.73	27.14	12.97	-131.97	1,129.64	-968.17	2,144.45	2,110.56	33.89	63.283		
3,800.00	3,432.21	3,508.69	3,479.11	28.35	13.31	-132.60	1,141.65	-962.91	2,185.87	2,150.95	34.91	62.613		
3,900.00	3,512.85	3,580.33	3,549.87	29.56	13.62	-133.20	1,151.96	-958.75	2,228.18	2,192.30	35.88	62.109		
4,000.00	3,593.49	3,680.00	3,648.60	30.76	14.04	-134.04	1,164.77	-953.74	2,271.24	2,234.25	36.99	61.409		
4,100.00	3,674.13	3,767.29	3,735.02	31.97	14.41	-134.75	1,175.76	-948.37	2,313.57	2,275.55	38.01	60.864		
4,200.00	3,754.77	3,829.44	3,796.37	33.19	14.68	-135.21	1,185.07	-944.88	2,357.03	2,318.14	38.89	60.611		
4,300.00	3,835.41	3,899.00	3,864.86	34.40	14.99	-135.68	1,196.72	-941.41	2,401.54	2,361.72	39.82	60.314		
4,400.00	3,916.05	3,951.12	3,916.21	35.62	15.22	-136.03	1,205.39	-939.37	2,447.15	2,406.55	40.60	60.268		
4,500.00	3,996.69	4,025.11	3,989.36	36.83	15.53	-136.55	1,216.32	-937.59	2,493.97	2,452.45	41.52	60.065		
4,600.00	4,077.33	4,133.76	4,096.75	38.05	16.00	-137.27	1,232.47	-934.28	2,540.50	2,497.82	42.68	59.524		
4,700.00	4,157.96	4,262.89	4,223.85	39.27	16.58	-138.02	1,254.46	-928.34	2,586.19	2,542.18	44.02	58.753		
4,800.00	4,238.60	4,322.56	4,282.56	40.49	16.85	-138.36	1,264.75	-925.38	2,631.76	2,586.92	44.85	58.684		
4,900.00	4,319.24	4,408.62	4,367.21	41.71	17.24	-138.82	1,279.85	-921.69	2,678.09	2,632.23	45.87	58.388		
5,000.00	4,399.88	4,491.56	4,448.76	42.93	17.62	-139.24	1,294.42	-917.87	2,724.30	2,677.44	46.86	58.138		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1D-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 318-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,480.52	4,556.00	4,512.28	44.15	17.91	-139.58	1,305.06	-915.54	2,771.34	2,723.65	47.69	58.108		
5,200.00	4,561.16	4,714.40	4,668.61	45.37	18.60	-140.42	1,329.55	-908.61	2,817.97	2,768.77	49.20	57.276		
5,300.00	4,641.80	4,904.38	4,855.46	46.59	19.46	-141.31	1,360.74	-894.57	2,862.46	2,811.52	50.93	56.198		
5,400.00	4,722.44	4,990.22	4,939.42	47.82	19.87	-141.66	1,376.48	-886.12	2,904.66	2,852.70	51.96	55.900		
5,500.00	4,803.08	5,058.48	5,006.27	49.04	20.19	-141.93	1,388.68	-879.77	2,947.40	2,894.55	52.85	55.770		
5,600.00	4,883.72	5,120.06	5,066.76	50.27	20.47	-142.19	1,399.01	-874.58	2,990.94	2,937.28	53.67	55.733		
5,700.00	4,964.36	5,179.00	5,124.85	51.49	20.74	-142.46	1,407.97	-870.29	3,035.47	2,981.03	54.44	55.760		
5,800.00	5,045.00	5,324.31	5,268.10	52.71	21.38	-143.10	1,429.03	-857.97	3,078.60	3,022.80	55.80	55.171		
5,900.00	5,125.64	5,393.35	5,336.20	53.94	21.69	-143.40	1,438.81	-852.27	3,122.43	3,065.80	56.63	55.136		
6,000.00	5,206.28	5,467.14	5,408.82	55.17	22.02	-143.70	1,450.52	-846.36	3,166.72	3,109.21	57.50	55.070		
6,100.00	5,286.92	5,536.00	5,476.59	56.39	22.33	-143.96	1,461.63	-841.35	3,211.71	3,153.37	58.34	55.051		
6,200.00	5,367.56	5,593.44	5,533.24	57.62	22.59	-144.18	1,470.35	-837.63	3,257.43	3,198.36	59.07	55.145		
6,300.00	5,448.20	5,656.42	5,595.48	58.84	22.86	-144.44	1,479.21	-834.00	3,303.88	3,244.05	59.83	55.224		
6,400.00	5,528.84	5,714.00	5,652.27	60.07	23.12	-144.65	1,488.29	-831.05	3,351.06	3,290.51	60.55	55.348		
6,500.00	5,609.47	5,766.70	5,704.21	61.30	23.35	-144.84	1,496.88	-828.84	3,399.13	3,337.90	61.22	55.520		
6,600.00	5,690.11	5,826.04	5,762.81	62.53	23.61	-145.06	1,506.07	-827.04	3,448.18	3,386.24	61.94	55.668		
6,700.00	5,770.75	5,909.04	5,844.55	63.75	23.98	-145.33	1,520.26	-824.60	3,497.48	3,434.62	62.87	55.632		
6,800.00	5,851.39	6,000.00	5,968.24	64.98	27.84	-145.75	1,540.16	-820.88	3,546.93	3,479.52	67.41	52.615		
6,900.00	5,932.03	6,159.00	6,091.45	66.21	25.07	-146.19	1,557.68	-814.65	3,594.32	3,528.99	65.33	55.018		
7,000.00	6,012.67	6,211.05	6,142.97	67.44	25.29	-146.38	1,564.68	-812.32	3,642.46	3,576.50	65.96	55.220		
7,100.00	6,093.31	6,273.38	6,204.78	68.66	25.55	-146.61	1,572.43	-810.13	3,691.47	3,624.81	66.66	55.378		
7,200.00	6,173.95	6,360.24	6,290.89	69.89	25.91	-146.92	1,583.40	-807.14	3,740.65	3,673.11	67.54	55.381		
7,300.00	6,254.59	6,440.63	6,370.40	71.12	26.25	-147.17	1,594.95	-804.56	3,790.10	3,721.70	68.40	55.411		
7,400.00	6,335.23	7,400.00	6,519.70	72.35	30.61	-147.59	1,619.92	-797.91	3,838.42	3,764.91	73.51	52.218		
7,500.00	6,415.87	6,656.30	6,582.83	73.58	27.22	-147.75	1,630.84	-794.73	3,886.52	3,815.88	70.64	55.017		
7,600.00	6,496.51	7,140.00	7,060.46	74.81	29.04	-149.67	1,663.30	-750.22	3,932.18	3,858.52	73.66	53.381		
7,700.00	6,577.15	7,140.00	7,060.46	76.04	29.04	-149.67	1,663.30	-750.22	3,973.17	3,899.16	74.01	53.685		
7,800.00	6,657.79	7,140.00	7,060.46	77.27	29.04	-149.67	1,663.30	-750.22	4,016.23	3,941.92	74.31	54.043		
7,900.00	6,738.43	7,180.91	7,100.53	78.50	29.11	-149.96	1,656.84	-745.18	4,059.93	3,985.29	74.64	54.393		
8,000.00	6,819.07	7,229.00	7,147.18	79.73	29.19	-150.35	1,645.66	-742.20	4,107.15	4,032.23	74.92	54.819		
8,100.00	6,899.71	7,229.00	7,147.18	80.96	29.19	-150.35	1,645.66	-742.20	4,154.38	4,079.23	75.15	55.282		
8,200.00	6,980.35	7,229.00	7,147.18	82.18	29.19	-150.35	1,645.66	-742.20	4,203.46	4,128.12	75.34	55.791		
8,240.58	7,013.07	7,229.00	7,147.18	82.68	29.19	-150.35	1,645.66	-742.20	4,223.89	4,148.48	75.41	56.010		
8,250.00	7,020.68	7,229.00	7,147.18	82.80	29.19	-152.09	1,645.66	-742.20	4,228.68	4,153.25	75.43	56.062		
8,300.00	7,061.63	7,229.00	7,147.18	83.40	29.19	-161.85	1,645.66	-742.20	4,254.55	4,179.05	75.50	56.351		
8,350.00	7,103.23	7,229.00	7,147.18	83.97	29.19	-172.30	1,645.66	-742.20	4,281.01	4,205.46	75.55	56.661		
8,400.00	7,145.18	7,229.00	7,147.18	84.51	29.19	176.84	1,645.66	-742.20	4,307.85	4,232.26	75.59	56.991		
8,450.00	7,187.16	7,229.00	7,147.18	85.01	29.19	165.94	1,645.66	-742.20	4,334.86	4,259.26	75.60	57.337		
8,500.00	7,228.84	7,229.00	7,147.18	85.46	29.19	155.36	1,645.66	-742.20	4,361.83	4,286.23	75.60	57.698		
8,550.00	7,269.91	7,268.31	7,184.72	85.86	29.22	145.44	1,633.99	-741.62	4,387.79	4,312.19	75.60	58.038		
8,600.00	7,310.05	7,277.99	7,193.86	86.20	29.22	136.39	1,630.83	-741.64	4,413.66	4,338.08	75.57	58.402		
8,650.00	7,348.97	7,318.00	7,231.21	86.50	29.25	128.35	1,616.51	-742.44	4,439.27	4,363.73	75.53	58.771		
8,700.00	7,386.36	7,318.00	7,231.21	86.74	29.25	121.17	1,616.51	-742.44	4,463.28	4,387.79	75.49	59.123		
8,750.00	7,421.94	7,318.00	7,231.21	86.93	29.25	114.86	1,616.51	-742.44	4,486.32	4,410.88	75.44	59.465		
8,800.00	7,455.44	7,318.00	7,231.21	87.07	29.25	109.34	1,616.51	-742.44	4,508.24	4,432.84	75.40	59.792		
8,850.00	7,486.61	7,318.00	7,231.21	87.16	29.25	104.56	1,616.51	-742.44	4,528.88	4,453.53	75.36	60.098		
8,900.00	7,515.20	7,350.68	7,261.16	87.20	29.26	100.66	1,603.52	-743.68	4,547.85	4,472.54	75.31	60.388		
8,950.00	7,541.00	7,368.43	7,277.24	87.21	29.26	97.29	1,596.04	-744.45	4,565.19	4,489.90	75.28	60.642		
9,000.00	7,563.81	7,385.86	7,292.88	87.17	29.26	94.47	1,588.40	-745.28	4,580.73	4,505.47	75.27	60.859		
9,050.00	7,583.47	7,408.00	7,312.55	87.10	29.26	92.20	1,578.29	-746.44	4,594.42	4,519.15	75.27	61.040		
9,100.00	7,599.81	9,100.00	7,450.70	87.00	28.49	91.51	1,479.08	-752.06	4,605.19	4,531.55	73.64	62.536		
9,150.00	7,612.72	7,586.00	7,456.15	86.88	29.15	90.10	1,474.48	-752.20	4,613.61	4,538.83	74.78	61.695		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1D-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 318-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,622.09	7,620.76	7,479.77	86.72	29.11	89.27	1,449.00	-752.60	4,619.57	4,544.88	74.68	61.855		
9,250.00	7,627.87	7,629.94	7,485.74	86.55	29.09	88.66	1,442.03	-752.85	4,623.87	4,549.10	74.77	61.842		
9,303.98	7,630.00	7,639.59	7,491.88	86.35	29.08	88.41	1,434.60	-753.18	4,626.28	4,551.38	74.89	61.770		
9,400.00	7,630.00	7,675.00	7,513.28	85.99	29.03	88.68	1,406.45	-754.98	4,629.50	4,554.47	75.03	61.701		
9,500.00	7,630.00	8,161.17	7,691.27	85.62	28.80	90.88	958.84	-755.77	4,628.06	4,555.95	72.10	64.187		
9,600.00	7,630.00	8,245.86	7,701.17	85.28	28.94	91.01	874.81	-752.96	4,624.56	4,552.46	72.10	64.137		
9,700.00	7,630.00	9,700.00	7,698.86	84.95	39.45	90.98	659.30	-743.64	4,619.86	4,541.98	77.88	59.323		
9,800.00	7,630.00	8,536.36	7,698.36	84.64	30.01	90.97	584.71	-739.47	4,614.01	4,541.88	72.13	63.965		
9,900.00	7,630.00	8,566.00	7,698.30	84.34	30.16	90.97	555.11	-738.07	4,609.27	4,536.65	72.62	63.472		
10,000.00	7,630.00	8,623.13	7,698.61	84.06	30.51	90.98	498.02	-736.05	4,605.62	4,532.47	73.16	62.956		
10,100.00	7,630.00	8,682.99	7,699.72	83.80	30.90	90.99	438.17	-734.93	4,603.33	4,529.57	73.76	62.409		
10,200.00	7,630.00	8,744.00	7,701.37	83.56	31.32	91.01	377.20	-733.74	4,601.33	4,526.90	74.43	61.817		
10,300.00	7,630.00	8,802.83	7,703.39	83.33	31.77	91.04	318.41	-733.10	4,600.22	4,525.03	75.19	61.181		
10,315.05	7,630.00	8,808.45	7,703.60	83.29	31.82	91.04	312.80	-733.11	4,600.19	4,524.89	75.30	61.089		
10,400.00	7,630.00	8,833.00	7,704.58	83.12	32.00	91.05	288.26	-733.26	4,600.63	4,524.73	75.90	60.616		
10,500.00	7,630.00	8,884.19	7,706.41	82.92	32.43	91.08	237.11	-734.19	4,602.27	4,525.55	76.73	59.984		
10,600.00	7,630.00	8,933.89	7,707.69	82.75	32.85	91.09	187.46	-735.80	4,605.17	4,527.59	77.58	59.359		
10,700.00	7,630.00	10,700.00	7,710.85	82.59	49.54	91.13	51.79	-740.33	4,608.24	4,514.10	94.14	48.953		
10,800.00	7,630.00	9,286.95	7,713.45	82.45	36.29	91.16	-165.44	-743.47	4,609.14	4,527.92	81.22	56.752		
10,900.00	7,630.00	9,399.11	7,712.82	82.33	37.55	91.15	-277.60	-743.92	4,609.21	4,526.28	82.93	55.583		
11,000.00	7,630.00	9,545.00	7,709.56	82.22	39.27	91.11	-423.44	-742.97	4,608.03	4,522.91	85.11	54.140		
11,100.00	7,630.00	9,599.28	7,708.31	82.14	39.93	91.10	-477.70	-742.55	4,607.08	4,520.64	86.44	53.296		
11,115.16	7,630.00	9,605.12	7,708.19	82.13	40.01	91.10	-483.54	-742.57	4,607.06	4,520.44	86.62	53.184		
11,200.00	7,630.00	9,655.85	7,707.21	82.08	40.64	91.08	-534.26	-743.09	4,607.52	4,519.69	87.83	52.458		
11,300.00	7,630.00	9,829.26	7,704.57	82.04	42.86	91.05	-707.65	-743.48	4,607.32	4,516.58	90.75	50.771		
11,400.00	7,630.00	9,901.00	7,703.92	82.02	43.81	91.04	-779.38	-742.86	4,606.29	4,513.82	92.47	49.814		
11,442.04	7,630.00	9,931.72	7,703.69	82.02	44.22	91.04	-810.10	-742.72	4,606.03	4,512.81	93.23	49.407		
11,500.00	7,630.00	9,948.89	7,703.57	82.03	44.45	91.04	-827.27	-742.86	4,606.29	4,512.39	93.90	49.055		
11,600.00	7,630.00	9,990.00	7,703.26	82.06	45.00	91.04	-868.37	-743.80	4,607.99	4,512.74	95.25	48.380		
11,700.00	7,630.00	10,070.26	7,702.46	82.12	46.10	91.03	-948.58	-746.33	4,610.70	4,513.51	97.19	47.440		
11,800.00	7,630.00	11,800.00	7,707.50	82.21	70.98	91.09	-1,195.37	-749.41	4,611.58	4,488.28	123.30	37.403		
11,900.00	7,630.00	10,481.30	7,712.68	82.33	51.98	91.15	-1,359.40	-746.90	4,609.44	4,503.93	105.51	43.685		
12,000.00	7,630.00	10,582.55	7,713.39	82.48	53.49	91.16	-1,460.64	-745.50	4,607.74	4,499.64	108.10	42.624		
12,100.00	7,630.00	10,652.37	7,713.38	82.66	54.54	91.16	-1,530.45	-744.34	4,605.84	4,495.68	110.16	41.809		
12,200.00	7,630.00	10,704.00	7,713.49	82.88	55.31	91.16	-1,582.08	-744.16	4,605.08	4,493.18	111.91	41.151		
12,300.00	7,630.00	10,834.49	7,714.38	83.14	57.30	91.17	-1,712.56	-744.15	4,604.85	4,489.68	115.17	39.985		
12,400.00	7,630.00	10,921.36	7,715.71	83.44	58.63	91.19	-1,799.42	-743.31	4,603.64	4,486.00	117.65	39.131		
12,457.93	7,630.00	10,947.94	7,716.02	83.64	59.04	91.20	-1,825.99	-743.30	4,603.44	4,484.81	118.63	38.805		
12,500.00	7,630.00	10,971.00	7,716.22	83.79	59.40	91.20	-1,849.05	-743.45	4,603.55	4,484.14	119.41	38.552		
12,600.00	7,630.00	11,078.93	7,717.15	84.18	61.07	91.21	-1,956.98	-743.98	4,603.72	4,481.36	122.36	37.625		
12,700.00	7,630.00	11,128.94	7,717.00	84.61	61.85	91.21	-2,006.98	-744.55	4,604.50	4,480.35	124.15	37.088		
12,800.00	7,630.00	12,800.00	7,715.39	85.10	88.02	91.19	-2,118.42	-746.25	4,605.66	4,454.01	151.65	30.370		
12,900.00	7,630.00	11,301.22	7,714.79	85.64	64.55	91.18	-2,179.22	-747.17	4,606.96	4,477.70	129.26	35.642		
13,000.00	7,630.00	11,426.89	7,714.39	86.22	66.53	91.17	-2,304.86	-750.14	4,609.07	4,476.38	132.69	34.735		
13,100.00	7,630.00	11,532.35	7,714.95	86.86	68.21	91.18	-2,410.31	-751.42	4,609.94	4,474.19	135.74	33.961		
13,200.00	7,630.00	11,595.00	7,715.52	87.56	69.21	91.19	-2,472.94	-753.01	4,611.95	4,474.07	137.88	33.450		
13,300.00	7,630.00	11,656.08	7,716.41	88.30	70.19	91.20	-2,533.98	-755.06	4,614.78	4,474.80	139.98	32.968		
13,400.00	7,630.00	11,877.71	7,717.76	89.10	73.76	91.21	-2,755.53	-759.86	4,616.93	4,471.21	145.72	31.684		
13,500.00	7,630.00	12,013.67	7,716.61	89.94	75.98	91.20	-2,891.48	-759.52	4,616.14	4,466.57	149.58	30.861		
13,584.57	7,630.00	12,074.78	7,715.14	90.70	76.98	91.18	-2,952.58	-759.61	4,615.94	4,464.31	151.63	30.442		
13,600.00	7,630.00	12,086.41	7,714.88	90.84	77.17	91.18	-2,964.20	-759.66	4,615.95	4,463.93	152.02	30.364		
13,700.00	7,630.00	12,188.77	7,713.92	91.78	78.85	91.17	-3,066.55	-760.25	4,616.17	4,461.01	155.16	29.752		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1D-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 318-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
13,800.00	7,630.00	12,424.00	7,719.53	92.77	82.75	91.24	-3,301.68	-757.02	4,614.21	4,452.77	161.45	28.581		
13,900.00	7,630.00	12,486.00	7,721.19	93.79	83.78	91.26	-3,363.64	-755.83	4,611.90	4,448.18	163.72	28.169		
14,000.00	7,630.00	12,539.10	7,722.60	94.86	84.67	91.28	-3,416.73	-755.29	4,610.48	4,444.70	165.79	27.810		
14,100.00	7,630.00	12,599.90	7,723.99	95.97	85.68	91.29	-3,477.50	-755.02	4,609.79	4,441.77	168.02	27.436		
14,118.87	7,630.00	12,609.29	7,724.15	96.18	85.84	91.29	-3,486.90	-755.04	4,609.78	4,441.38	168.39	27.375		
14,200.00	7,630.00	12,664.00	7,724.70	97.11	86.75	91.30	-3,541.60	-755.54	4,610.18	4,439.85	170.33	27.066		
14,300.00	7,630.00	12,880.58	7,726.09	98.28	90.37	91.32	-3,758.14	-754.13	4,608.88	4,432.54	176.34	26.136		
14,400.00	7,630.00	12,931.00	7,727.11	99.48	91.22	91.33	-3,808.55	-753.87	4,607.77	4,429.41	178.36	25.834		
14,440.51	7,630.00	12,931.00	7,727.11	99.98	91.22	91.33	-3,808.55	-753.87	4,607.59	4,428.92	178.67	25.788		
14,500.00	7,630.00	12,952.30	7,727.61	100.72	91.58	91.34	-3,829.84	-754.05	4,607.87	4,428.23	179.64	25.651		
14,600.00	7,630.00	12,999.78	7,728.65	101.97	92.37	91.35	-3,877.30	-754.85	4,609.27	4,427.72	181.54	25.389		
14,700.00	7,630.00	13,066.57	7,729.84	103.26	93.49	91.37	-3,944.06	-756.69	4,611.68	4,427.76	183.92	25.074		
14,800.00	7,630.00	13,161.14	7,730.79	104.56	95.07	91.38	-4,038.57	-759.66	4,614.51	4,427.50	187.00	24.676		
14,900.00	7,630.00	14,900.00	7,731.77	105.89	124.38	91.39	-4,248.30	-763.49	4,615.89	4,397.06	218.83	21.094		
15,000.00	7,630.00	13,431.27	7,732.41	107.24	99.61	91.40	-4,308.65	-763.96	4,616.51	4,421.22	195.29	23.640		
15,100.00	7,630.00	13,487.72	7,733.89	108.60	100.56	91.41	-4,365.07	-765.24	4,618.39	4,420.96	197.43	23.392		
15,200.00	7,630.00	13,648.15	7,732.45	109.98	103.27	91.39	-4,525.44	-768.54	4,620.17	4,417.92	202.25	22.844		
15,300.00	7,630.00	13,856.17	7,728.36	111.38	106.81	91.34	-4,733.41	-767.71	4,618.81	4,410.54	208.27	22.177		
15,400.00	7,630.00	13,911.00	7,727.44	112.79	107.74	91.33	-4,788.23	-767.63	4,618.11	4,407.68	210.43	21.946		
15,420.23	7,630.00	13,911.00	7,727.44	113.08	107.74	91.33	-4,788.23	-767.63	4,618.06	4,407.48	210.58	21.930		
15,500.00	7,630.00	13,937.52	7,726.99	114.22	108.19	91.33	-4,814.75	-767.93	4,618.57	4,406.74	211.84	21.802		
15,600.00	7,630.00	14,000.00	7,725.83	115.66	109.25	91.31	-4,877.19	-769.46	4,620.45	4,406.30	214.15	21.576		
15,700.00	7,630.00	14,102.57	7,724.04	117.11	110.99	91.29	-4,979.71	-772.36	4,622.92	4,405.40	217.52	21.253		
15,800.00	7,630.00	14,278.13	7,721.79	118.57	113.98	91.26	-5,155.23	-774.76	4,623.85	4,401.04	222.81	20.753		
15,900.00	7,630.00	14,461.10	7,720.44	120.05	117.11	91.25	-5,338.19	-773.96	4,622.92	4,394.64	228.28	20.251		
16,000.00	7,630.00	14,491.03	7,720.57	121.53	117.62	91.25	-5,368.12	-773.96	4,622.29	4,392.47	229.82	20.113		
16,000.24	7,630.00	14,491.13	7,720.57	121.54	117.63	91.25	-5,368.22	-773.96	4,622.29	4,392.47	229.82	20.113		
16,100.00	7,630.00	14,535.00	7,721.09	123.03	118.38	91.25	-5,412.08	-774.40	4,622.93	4,391.25	231.68	19.954		
16,200.00	7,630.00	14,642.62	7,722.72	124.53	120.22	91.27	-5,519.68	-775.92	4,624.04	4,388.81	235.23	19.657		
16,300.00	7,630.00	14,719.98	7,724.90	126.04	121.54	91.30	-5,597.00	-777.17	4,625.37	4,387.38	237.98	19.436		
16,400.00	7,630.00	14,802.00	7,727.99	127.56	122.95	91.34	-5,678.95	-778.39	4,626.70	4,385.84	240.86	19.209		
16,500.00	7,630.00	14,863.30	7,730.54	129.09	124.00	91.37	-5,740.18	-779.68	4,628.75	4,385.59	243.16	19.036		
16,600.00	7,630.00	14,953.69	7,734.82	130.62	125.55	91.42	-5,830.42	-782.82	4,631.96	4,385.70	246.26	18.809		
16,700.00	7,630.00	15,120.20	7,742.94	132.16	128.40	91.52	-5,996.69	-786.65	4,633.95	4,382.48	251.47	18.427		
16,800.00	7,630.00	15,187.59	7,746.02	133.71	129.56	91.56	-6,063.99	-787.91	4,635.68	4,381.72	253.96	18.254		
16,900.00	7,630.00	15,248.00	7,748.28	135.27	130.59	91.59	-6,124.33	-789.90	4,638.59	4,382.35	256.24	18.103		
17,000.00	7,630.00	15,355.28	7,751.94	136.83	132.43	91.63	-6,231.47	-793.58	4,641.79	4,381.97	259.82	17.866		
17,100.00	7,630.00	15,426.00	7,753.80	138.39	133.64	91.65	-6,302.12	-796.21	4,645.20	4,382.83	262.37	17.705		
17,200.00	7,630.00	15,491.06	7,754.97	139.97	134.75	91.67	-6,367.11	-799.11	4,649.28	4,384.53	264.75	17.561		
17,300.00	7,630.00	15,692.36	7,757.34	141.54	138.20	91.69	-6,568.24	-806.67	4,652.96	4,381.97	270.99	17.170		
17,400.00	7,630.00	15,895.02	7,759.09	143.12	141.70	91.71	-6,770.88	-809.05	4,653.65	4,376.46	277.19	16.789		
17,500.00	7,630.00	16,222.00	7,750.38	144.71	147.38	91.61	-7,097.63	-803.47	4,652.40	4,366.01	286.40	16.245		
17,600.00	7,630.00	16,259.77	7,749.90	146.30	148.04	91.60	-7,135.36	-801.93	4,648.06	4,359.79	288.28	16.124		
17,700.00	7,630.00	16,312.00	7,749.86	147.90	148.95	91.60	-7,187.59	-800.84	4,645.32	4,354.83	290.49	15.991		
17,800.00	7,630.00	16,312.00	7,749.86	149.50	148.95	91.60	-7,187.59	-800.84	4,643.82	4,352.54	291.28	15.943		
17,858.51	7,630.00	16,341.08	7,750.11	150.44	149.45	91.61	-7,216.66	-800.78	4,643.64	4,351.15	292.48	15.877		
17,900.00	7,630.00	16,353.50	7,750.26	151.10	149.67	91.61	-7,229.08	-800.88	4,643.85	4,350.75	293.10	15.844		
18,000.00	7,630.00	16,401.00	7,751.02	152.71	150.49	91.62	-7,276.56	-801.99	4,645.55	4,350.50	295.06	15.745		
18,100.00	7,630.00	16,454.61	7,752.13	154.32	151.42	91.63	-7,330.13	-803.79	4,648.36	4,351.21	297.15	15.643		
18,200.00	7,630.00	16,608.49	7,756.53	155.94	154.07	91.68	-7,483.89	-807.93	4,650.81	4,348.71	302.11	15.395		
18,300.00	7,630.00	16,695.92	7,759.92	157.56	155.59	91.72	-7,571.24	-809.52	4,652.46	4,347.28	305.18	15.245		
18,400.00	7,630.00	16,757.00	7,762.30	159.18	156.64	91.75	-7,632.24	-811.43	4,655.21	4,347.72	307.49	15.140		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SEC 22-T1N-R68W - EXIST HZ COSSLETT 1D-22H-B168 - OWB - FINAL SURVEY												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 318-MWD OWSG												<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
18,500.00	7,630.00	16,817.63	7,764.55	160.80	157.69	91.78	-7,692.78	-813.84	4,658.80	4,349.04	309.76	15.040	
18,600.00	7,630.00	16,937.15	7,769.71	162.43	159.75	91.84	-7,812.10	-818.38	4,662.41	4,348.65	313.76	14.860	
18,700.00	7,630.00	17,026.52	7,773.15	164.06	161.29	91.88	-7,901.34	-821.66	4,665.87	4,349.00	316.87	14.725	
18,800.00	7,630.00	17,114.39	7,774.76	165.70	162.81	91.90	-7,989.13	-825.16	4,669.57	4,349.63	319.94	14.595	
18,900.00	7,630.00	17,256.88	7,776.49	167.33	165.27	91.92	-8,131.51	-830.46	4,673.02	4,348.41	324.61	14.396	
19,000.00	7,630.00	17,394.27	7,779.22	168.97	167.65	91.95	-8,268.82	-834.23	4,675.48	4,346.36	329.12	14.206	
19,021.79	7,630.00	17,423.62	7,779.94	169.33	168.16	91.96	-8,298.15	-834.90	4,675.92	4,345.84	330.09	14.166 SF	

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1E-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 586-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	318.00	317.99	0.00	0.00	-52.73	785.71	-1,032.58	1,338.33					
100.00	100.00	318.00	317.99	0.13	0.00	-52.73	785.71	-1,032.58	1,317.40	1,316.98	0.42	3,139.899		
200.00	200.00	318.00	317.99	0.49	0.00	-52.73	785.71	-1,032.58	1,303.82	1,303.28	0.54	2,412.272		
300.00	300.00	318.00	317.99	0.85	0.00	-52.73	785.71	-1,032.58	1,297.82	1,296.97	0.85	1,521.758		
327.98	327.98	318.00	317.99	0.95	0.00	-52.73	785.71	-1,032.58	1,297.52	1,296.57	0.95	1,363.108		
400.00	400.00	388.47	388.46	1.21	0.13	-52.77	785.06	-1,033.24	1,297.65	1,296.32	1.34	970.855		
500.00	500.00	491.20	491.18	1.57	0.31	-52.83	784.07	-1,034.01	1,297.67	1,295.79	1.88	690.404		
600.00	600.00	593.93	593.90	1.93	0.50	-52.88	783.06	-1,034.53	1,297.47	1,295.05	2.42	535.569		
622.53	622.53	617.08	617.05	2.01	0.54	-52.89	782.82	-1,034.61	1,297.40	1,294.85	2.54	509.788 CC		
700.00	700.00	679.58	679.54	2.29	0.80	-52.84	783.90	-1,034.23	1,297.78	1,294.69	3.09	420.239 ES		
800.00	799.98	768.84	768.69	2.64	1.12	-114.47	787.87	-1,032.59	1,299.73	1,295.98	3.75	346.663		
900.00	899.84	860.61	860.09	2.99	1.45	-114.24	795.26	-1,029.19	1,303.84	1,299.41	4.43	294.053		
1,000.00	999.45	948.38	947.18	3.35	1.78	-113.96	805.10	-1,024.62	1,310.14	1,305.01	5.13	255.622		
1,100.00	1,098.70	1,035.97	1,033.86	3.73	2.13	-113.70	816.78	-1,019.78	1,318.88	1,313.04	5.84	225.751		
1,200.00	1,197.47	1,131.95	1,128.54	4.11	2.53	-113.44	831.32	-1,013.72	1,329.53	1,322.91	6.62	200.806		
1,300.00	1,295.62	1,226.79	1,222.01	4.53	2.94	-113.26	846.19	-1,007.67	1,341.83	1,334.40	7.42	180.761		
1,400.00	1,393.06	1,342.03	1,335.62	4.97	3.44	-113.24	864.05	-1,000.43	1,355.53	1,347.18	8.34	162.442		
1,500.00	1,489.64	1,443.21	1,435.33	5.44	3.88	-113.29	879.40	-992.62	1,369.22	1,359.98	9.24	148.197		
1,600.00	1,585.27	1,525.16	1,515.99	5.95	4.25	-113.34	892.50	-986.50	1,385.05	1,374.97	10.08	137.343		
1,700.00	1,679.82	1,636.83	1,625.73	6.51	4.76	-113.58	911.35	-978.01	1,402.77	1,391.65	11.11	126.225		
1,800.00	1,773.17	1,747.19	1,734.39	7.13	5.25	-113.97	928.28	-968.79	1,420.45	1,408.28	12.17	116.703		
1,900.00	1,865.21	1,825.88	1,811.95	7.79	5.60	-114.23	940.13	-962.78	1,440.17	1,427.05	13.12	109.802		
2,000.00	1,955.84	1,902.00	1,886.99	8.51	5.94	-114.51	951.95	-957.93	1,462.83	1,448.75	14.08	103.860		
2,100.00	2,044.94	2,039.66	2,022.69	9.30	6.56	-115.47	973.03	-948.36	1,486.85	1,471.45	15.40	96.540		
2,200.00	2,132.39	2,143.99	2,125.40	10.15	7.03	-116.15	988.29	-938.31	1,510.13	1,493.53	16.60	90.950		
2,300.00	2,218.11	2,218.01	2,198.20	11.07	7.37	-116.51	999.74	-931.34	1,536.06	1,518.36	17.70	86.791		
2,400.00	2,301.97	2,288.25	2,267.28	12.06	7.69	-116.84	1,011.05	-925.60	1,565.30	1,546.50	18.81	83.236		
2,500.00	2,383.88	2,358.70	2,336.56	13.11	8.01	-117.16	1,022.81	-920.58	1,597.77	1,577.83	19.94	80.122		
2,512.74	2,394.17	2,367.72	2,345.43	13.25	8.06	-117.20	1,024.33	-919.99	1,602.14	1,582.05	20.09	79.752		
2,600.00	2,464.54	2,429.05	2,405.76	14.22	8.34	-118.05	1,034.73	-916.34	1,632.84	1,611.75	21.09	77.433		
2,700.00	2,545.18	2,511.58	2,487.00	15.35	8.71	-119.17	1,048.65	-912.15	1,669.32	1,647.03	22.29	74.889		
2,800.00	2,625.82	2,595.00	2,569.23	16.50	9.08	-120.28	1,062.17	-908.15	1,706.45	1,682.97	23.48	72.666		
2,900.00	2,706.45	2,676.08	2,649.37	17.65	9.43	-121.37	1,074.11	-905.28	1,744.70	1,720.06	24.64	70.815		
3,000.00	2,787.09	2,821.67	2,793.16	18.82	10.07	-123.20	1,095.59	-897.98	1,782.68	1,756.52	26.16	68.144		
3,100.00	2,867.73	2,906.84	2,877.10	19.99	10.45	-124.18	1,108.52	-891.59	1,819.19	1,791.86	27.34	66.545		
3,200.00	2,948.37	3,030.72	2,999.57	21.17	10.98	-125.64	1,124.55	-882.24	1,855.47	1,826.78	28.69	64.662		
3,300.00	3,029.01	3,120.62	3,088.72	22.36	11.35	-126.71	1,133.99	-875.48	1,891.64	1,861.82	29.82	63.425		
3,400.00	3,109.65	3,233.41	3,200.42	23.55	11.83	-127.98	1,146.18	-865.74	1,927.55	1,896.48	31.07	62.047		
3,500.00	3,190.29	3,340.32	3,305.84	24.74	12.30	-129.06	1,160.03	-854.52	1,963.05	1,930.75	32.30	60.773		
3,600.00	3,270.93	3,423.05	3,387.13	25.94	12.68	-129.82	1,172.05	-845.01	1,998.56	1,965.15	33.41	59.818		
3,700.00	3,351.57	3,488.87	3,451.94	27.14	12.97	-130.42	1,181.24	-838.08	2,035.17	2,000.77	34.40	59.165		
3,800.00	3,432.21	3,549.87	3,512.20	28.35	13.24	-130.99	1,189.06	-832.77	2,073.37	2,038.05	35.32	58.696		
3,900.00	3,512.85	3,669.87	3,630.80	29.56	13.76	-132.09	1,204.25	-822.68	2,112.36	2,075.78	36.58	57.746		
4,000.00	3,593.49	3,787.43	3,746.41	30.76	14.30	-133.05	1,220.85	-809.29	2,149.14	2,111.30	37.84	56.792		
4,100.00	3,674.13	3,849.49	3,807.58	31.97	14.57	-133.56	1,228.96	-802.67	2,186.86	2,148.11	38.75	56.440		
4,200.00	3,754.77	3,905.58	3,863.07	33.19	14.81	-134.04	1,235.45	-797.74	2,226.19	2,186.61	39.58	56.244		
4,300.00	3,835.41	3,970.82	3,927.73	34.40	15.09	-134.60	1,242.67	-792.86	2,266.90	2,226.46	40.44	56.057		
4,400.00	3,916.05	4,041.38	3,997.58	35.62	15.39	-135.18	1,251.35	-788.04	2,308.70	2,267.37	41.33	55.858		
4,500.00	3,996.69	4,105.14	4,060.42	36.83	15.67	-135.63	1,261.23	-783.72	2,351.41	2,309.22	42.19	55.732		
4,600.00	4,077.33	4,166.00	4,120.40	38.05	15.94	-136.04	1,271.01	-780.40	2,395.49	2,352.46	43.02	55.677		
4,700.00	4,157.96	4,291.59	4,244.23	39.27	16.50	-136.88	1,290.47	-772.75	2,439.10	2,394.79	44.31	55.041		
4,800.00	4,238.60	4,374.43	4,326.20	40.49	16.86	-137.46	1,301.41	-767.82	2,482.81	2,437.55	45.26	54.855		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1E-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 586-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,900.00	4,319.24	4,484.50	4,435.05	41.71	17.33	-138.20	1,315.96	-760.38	2,526.04	2,479.66	46.39	54.457		
5,000.00	4,399.88	4,554.00	4,503.67	42.93	17.64	-138.63	1,325.89	-755.64	2,569.61	2,522.37	47.24	54.395		
5,100.00	4,480.52	4,665.90	4,613.71	44.15	18.15	-139.24	1,344.39	-747.32	2,613.04	2,564.60	48.43	53.951		
5,200.00	4,561.16	4,732.00	4,678.72	45.37	18.46	-139.59	1,355.25	-742.39	2,656.66	2,607.38	49.28	53.908		
5,300.00	4,641.80	4,797.65	4,743.45	46.59	18.75	-139.95	1,365.34	-738.12	2,701.16	2,651.06	50.10	53.916		
5,400.00	4,722.44	5,400.00	4,930.90	47.82	21.53	-140.94	1,394.66	-722.86	2,744.30	2,690.62	53.69	51.117		
5,500.00	4,803.08	5,059.23	5,000.94	49.04	19.94	-141.29	1,405.38	-715.78	2,786.11	2,733.41	52.70	52.872		
5,600.00	4,883.72	5,114.28	5,055.28	50.27	20.19	-141.58	1,412.93	-711.24	2,829.31	2,775.89	53.42	52.967		
5,700.00	4,964.36	5,183.09	5,123.42	51.49	20.48	-141.96	1,421.06	-706.27	2,873.44	2,819.24	54.20	53.016		
5,800.00	5,045.00	5,427.13	5,364.32	52.71	21.55	-143.21	1,451.34	-682.20	2,915.26	2,859.11	56.15	51.920		
5,900.00	5,125.64	5,491.93	5,428.04	53.94	21.84	-143.50	1,460.07	-674.25	2,955.43	2,898.48	56.94	51.900		
6,000.00	5,206.28	5,533.00	5,468.45	55.17	22.03	-143.69	1,465.76	-669.63	2,996.79	2,939.22	57.57	52.056		
6,100.00	5,286.92	5,588.08	5,522.69	56.39	22.28	-143.93	1,473.65	-664.17	3,039.42	2,981.14	58.28	52.153		
6,200.00	5,367.56	5,623.00	5,557.09	57.62	22.44	-144.07	1,478.83	-661.22	3,083.52	3,024.69	58.83	52.417		
6,300.00	5,448.20	5,684.07	5,617.40	58.84	22.71	-144.33	1,487.41	-656.86	3,128.77	3,069.22	59.55	52.544		
6,400.00	5,528.84	5,738.82	5,671.63	60.07	22.94	-144.58	1,494.21	-653.70	3,175.15	3,114.96	60.19	52.749		
6,500.00	5,609.47	5,801.00	5,733.28	61.30	23.20	-144.87	1,501.76	-650.64	3,222.40	3,161.51	60.88	52.928		
6,600.00	5,690.11	6,038.28	5,967.56	62.53	24.24	-145.81	1,534.67	-632.99	3,266.92	3,203.99	62.93	51.915		
6,700.00	5,770.75	6,110.10	6,038.11	63.75	24.58	-146.05	1,546.33	-626.32	3,310.70	3,246.94	63.76	51.924		
6,800.00	5,851.39	6,157.00	6,084.12	64.98	24.80	-146.19	1,554.51	-622.36	3,355.36	3,290.96	64.40	52.102		
6,900.00	5,932.03	6,206.93	6,133.17	66.21	25.03	-146.34	1,563.14	-618.72	3,401.10	3,336.06	65.05	52.287		
7,000.00	6,012.67	6,246.00	6,171.66	67.44	25.21	-146.47	1,569.42	-616.43	3,448.10	3,382.51	65.59	52.574		
7,100.00	6,093.31	6,300.43	6,225.44	68.66	25.44	-146.66	1,577.42	-613.88	3,496.15	3,429.93	66.22	52.795		
7,200.00	6,173.95	6,536.98	6,459.56	69.89	26.45	-147.51	1,607.98	-599.91	3,543.78	3,475.54	68.24	51.931		
7,300.00	6,254.59	6,647.58	6,568.61	71.12	26.94	-147.87	1,623.30	-589.74	3,587.92	3,518.61	69.31	51.764		
7,400.00	6,335.23	6,692.00	6,612.37	72.35	27.14	-148.01	1,629.96	-585.89	3,632.82	3,562.92	69.90	51.975		
7,500.00	6,415.87	6,742.99	6,662.62	73.58	27.37	-148.16	1,637.68	-582.03	3,678.72	3,608.20	70.52	52.166		
7,600.00	6,496.51	7,090.42	7,005.40	74.81	28.64	-149.72	1,653.63	-545.78	3,722.05	3,649.42	72.63	51.244		
7,700.00	6,577.15	7,138.00	7,051.53	76.04	28.73	-150.12	1,643.39	-540.31	3,764.14	3,691.21	72.94	51.609		
7,800.00	6,657.79	7,138.00	7,051.53	77.27	28.73	-150.12	1,643.39	-540.31	3,807.03	3,733.83	73.20	52.007		
7,900.00	6,738.43	7,138.00	7,051.53	78.50	28.73	-150.12	1,643.39	-540.31	3,852.04	3,778.61	73.43	52.460		
8,000.00	6,819.07	7,138.00	7,051.53	79.73	28.73	-150.12	1,643.39	-540.31	3,899.09	3,825.48	73.62	52.964		
8,100.00	6,899.71	7,138.00	7,051.53	80.96	28.73	-150.12	1,643.39	-540.31	3,948.12	3,874.35	73.77	53.519		
8,200.00	6,980.35	7,138.00	7,051.53	82.18	28.73	-150.12	1,643.39	-540.31	3,999.05	3,925.16	73.89	54.120		
8,240.58	7,013.07	7,138.00	7,051.53	82.68	28.73	-150.12	1,643.39	-540.31	4,020.24	3,946.31	73.93	54.377		
8,250.00	7,020.68	7,138.00	7,051.53	82.80	28.73	-151.89	1,643.39	-540.31	4,025.21	3,951.27	73.94	54.438		
8,300.00	7,061.63	7,138.00	7,051.53	83.40	28.73	-161.80	1,643.39	-540.31	4,052.03	3,978.05	73.98	54.773		
8,350.00	7,103.23	7,179.92	7,091.84	83.97	28.76	-172.65	1,632.16	-538.02	4,077.64	4,003.60	74.04	55.073		
8,400.00	7,145.18	7,184.63	7,096.35	84.51	28.77	176.37	1,630.80	-537.96	4,105.02	4,030.96	74.06	55.430		
8,450.00	7,187.16	7,227.00	7,136.66	85.01	28.80	165.27	1,617.84	-539.17	4,133.96	4,059.87	74.08	55.801		
8,500.00	7,228.84	7,227.00	7,136.66	85.46	28.80	154.69	1,617.84	-539.17	4,160.98	4,086.91	74.07	56.175		
8,550.00	7,269.91	7,227.00	7,136.66	85.86	28.80	144.75	1,617.84	-539.17	4,187.75	4,113.70	74.05	56.555		
8,600.00	7,310.05	7,227.00	7,136.66	86.20	28.80	135.64	1,617.84	-539.17	4,214.05	4,140.04	74.01	56.937		
8,650.00	7,348.97	7,227.00	7,136.66	86.50	28.80	127.44	1,617.84	-539.17	4,239.71	4,165.74	73.97	57.316		
8,700.00	7,386.36	7,227.00	7,136.66	86.74	28.80	120.16	1,617.84	-539.17	4,264.53	4,190.61	73.92	57.687		
8,750.00	7,421.94	7,227.00	7,136.66	86.93	28.80	113.77	1,617.84	-539.17	4,288.35	4,214.47	73.88	58.045		
8,800.00	7,455.44	7,227.00	7,136.66	87.07	28.80	108.18	1,617.84	-539.17	4,311.01	4,237.17	73.84	58.383		
8,850.00	7,486.61	7,227.00	7,136.66	87.16	28.80	103.34	1,617.84	-539.17	4,332.34	4,258.53	73.81	58.696		
8,900.00	7,515.20	7,227.00	7,136.66	87.20	28.80	99.16	1,617.84	-539.17	4,352.22	4,278.42	73.79	58.979		
8,950.00	7,541.00	7,227.00	7,136.66	87.21	28.80	95.58	1,617.84	-539.17	4,370.50	4,296.70	73.79	59.226		
9,000.00	7,563.81	7,227.00	7,136.66	87.17	28.80	92.55	1,617.84	-539.17	4,387.07	4,313.25	73.82	59.433		
9,050.00	7,583.47	7,227.00	7,136.66	87.10	28.80	90.02	1,617.84	-539.17	4,401.82	4,327.96	73.86	59.595		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1E-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 586-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,100.00	7,599.81	7,262.48	7,170.00	87.00	28.81	88.34	1,606.05	-542.06	4,413.98	4,340.00	73.97	59.669		
9,150.00	7,612.72	7,268.19	7,175.33	86.88	28.81	86.78	1,604.08	-542.62	4,424.60	4,350.51	74.08	59.723		
9,200.00	7,622.09	7,273.38	7,180.17	86.72	28.82	85.62	1,602.28	-543.16	4,433.15	4,358.92	74.23	59.724		
9,250.00	7,627.87	7,278.02	7,184.49	86.55	28.82	84.84	1,600.66	-543.66	4,439.60	4,365.20	74.40	59.670		
9,303.98	7,630.00	7,940.00	7,608.51	86.35	28.12	89.85	1,135.16	-567.93	4,441.20	4,370.00	71.20	62.376		
9,400.00	7,630.00	7,940.00	7,608.51	85.99	28.12	89.85	1,135.16	-567.93	4,438.08	4,366.45	71.63	61.955		
9,500.00	7,630.00	7,998.67	7,622.57	85.62	28.06	90.03	1,078.22	-566.63	4,435.84	4,364.18	71.67	61.896		
9,600.00	7,630.00	8,270.90	7,663.46	85.28	28.18	90.56	809.53	-561.02	4,434.78	4,364.21	70.57	62.841		
9,700.00	7,630.00	8,363.31	7,666.25	84.95	28.44	90.60	717.26	-556.76	4,429.87	4,359.14	70.73	62.633		
9,800.00	7,630.00	8,455.97	7,667.93	84.64	28.82	90.62	624.71	-552.65	4,425.12	4,354.09	71.03	62.301		
9,900.00	7,630.00	8,554.95	7,669.48	84.34	29.36	90.64	525.83	-548.37	4,420.47	4,349.00	71.47	61.848		
10,000.00	7,630.00	8,625.84	7,670.19	84.06	29.83	90.65	455.01	-545.51	4,416.12	4,344.06	72.06	61.281		
10,100.00	7,630.00	8,690.37	7,671.10	83.80	30.29	90.66	390.52	-543.39	4,412.52	4,339.79	72.73	60.669		
10,200.00	7,630.00	8,753.16	7,672.10	83.56	30.78	90.68	327.75	-541.85	4,409.75	4,336.29	73.47	60.023		
10,300.00	7,630.00	8,818.56	7,673.11	83.33	31.32	90.69	262.37	-540.78	4,407.80	4,333.51	74.29	59.334		
10,400.00	7,630.00	8,897.95	7,673.59	83.12	32.02	90.70	182.98	-540.02	4,406.50	4,331.26	75.24	58.566		
10,500.00	7,630.00	8,988.12	7,672.60	82.92	32.86	90.68	92.82	-539.47	4,405.54	4,329.20	76.34	57.712		
10,600.00	7,630.00	9,076.72	7,671.31	82.75	33.75	90.67	4.23	-539.11	4,404.78	4,327.25	77.54	56.810		
10,700.00	7,630.00	9,211.88	7,668.46	82.59	35.18	90.63	-130.89	-538.23	4,403.77	4,324.56	79.21	55.599		
10,800.00	7,630.00	9,324.96	7,668.34	82.45	36.46	90.63	-243.96	-537.01	4,402.37	4,321.48	80.89	54.422		
10,900.00	7,630.00	9,445.97	7,668.70	82.33	37.90	90.63	-364.96	-534.94	4,400.31	4,317.50	82.81	53.138		
11,000.00	7,630.00	9,570.84	7,668.71	82.22	39.45	90.63	-489.80	-532.35	4,397.92	4,312.99	84.93	51.785		
11,100.00	7,630.00	9,657.44	7,668.82	82.14	40.56	90.64	-576.37	-530.07	4,395.00	4,308.30	86.70	50.690		
11,200.00	7,630.00	9,721.00	7,668.62	82.08	41.39	90.63	-639.92	-529.39	4,393.36	4,305.12	88.24	49.788		
11,271.15	7,630.00	9,721.00	7,668.62	82.05	41.39	90.63	-639.92	-529.39	4,392.79	4,304.02	88.76	49.489		
11,300.00	7,630.00	9,721.00	7,668.62	82.04	41.39	90.63	-639.92	-529.39	4,392.88	4,303.91	88.97	49.377		
11,400.00	7,630.00	9,784.48	7,668.43	82.02	42.23	90.63	-703.40	-529.96	4,393.63	4,303.08	90.54	48.524		
11,500.00	7,630.00	9,837.54	7,668.32	82.03	42.93	90.63	-756.44	-531.27	4,395.71	4,303.70	92.01	47.775		
11,600.00	7,630.00	9,909.17	7,666.24	82.06	43.90	90.60	-828.00	-533.66	4,398.65	4,304.89	93.75	46.918		
11,700.00	7,630.00	10,182.26	7,652.04	82.12	47.72	90.42	-1,100.66	-538.15	4,399.96	4,301.28	98.68	44.590		
11,800.00	7,630.00	10,339.05	7,644.86	82.21	50.01	90.32	-1,257.27	-536.87	4,398.88	4,296.83	102.05	43.106		
11,900.00	7,630.00	10,461.70	7,639.01	82.33	51.84	90.25	-1,379.76	-534.53	4,396.61	4,291.66	104.95	41.892		
12,000.00	7,630.00	10,549.53	7,634.44	82.48	53.16	90.19	-1,467.45	-532.52	4,394.00	4,286.70	107.29	40.953		
12,100.00	7,630.00	10,612.00	7,631.39	82.66	54.11	90.15	-1,529.84	-531.78	4,392.35	4,283.15	109.20	40.222		
12,200.00	7,630.00	10,661.46	7,629.07	82.88	54.86	90.12	-1,579.25	-531.68	4,391.68	4,280.79	110.88	39.607		
12,230.32	7,630.00	10,681.32	7,628.13	82.96	55.16	90.11	-1,599.09	-531.73	4,391.64	4,280.15	111.49	39.392		
12,300.00	7,630.00	10,731.53	7,625.70	83.14	55.93	90.07	-1,649.23	-532.03	4,391.81	4,278.85	112.96	38.879		
12,400.00	7,630.00	10,812.05	7,621.64	83.44	57.16	90.02	-1,729.65	-532.87	4,392.51	4,277.25	115.26	38.109		
12,500.00	7,630.00	10,914.44	7,618.75	83.79	58.74	89.98	-1,831.98	-534.18	4,393.45	4,275.41	118.04	37.220		
12,600.00	7,630.00	11,019.24	7,616.01	84.18	60.37	89.95	-1,936.74	-535.23	4,394.12	4,273.21	120.91	36.342		
12,700.00	7,630.00	11,147.26	7,611.23	84.61	62.38	89.89	-2,064.67	-536.39	4,394.74	4,270.44	124.30	35.355		
12,800.00	7,630.00	11,266.79	7,605.37	85.10	64.28	89.81	-2,184.06	-536.55	4,394.54	4,266.98	127.57	34.449		
12,900.00	7,630.00	11,402.36	7,598.30	85.64	66.45	89.72	-2,319.43	-536.20	4,394.03	4,262.81	131.22	33.486		
13,000.00	7,630.00	11,547.96	7,593.51	86.22	68.80	89.65	-2,464.94	-534.20	4,392.33	4,257.16	135.16	32.497		
13,100.00	7,630.00	11,689.61	7,587.42	86.86	71.10	89.57	-2,606.41	-530.87	4,389.66	4,250.60	139.07	31.565		
13,200.00	7,630.00	11,771.00	7,584.07	87.56	72.44	89.53	-2,687.71	-528.67	4,386.67	4,245.01	141.66	30.966		
13,300.00	7,630.00	11,840.30	7,582.80	88.30	73.58	89.51	-2,756.98	-527.18	4,384.23	4,240.23	144.00	30.446		
13,400.00	7,630.00	11,964.63	7,582.94	89.10	75.62	89.52	-2,881.29	-524.93	4,382.13	4,234.49	147.63	29.682		
13,500.00	7,630.00	12,068.73	7,582.10	89.94	77.34	89.50	-2,985.35	-522.46	4,379.42	4,228.60	150.82	29.037		
13,600.00	7,630.00	12,127.00	7,582.44	90.84	78.31	89.51	-3,043.61	-521.19	4,377.04	4,224.09	152.95	28.618		
13,700.00	7,630.00	12,178.55	7,583.58	91.78	79.16	89.52	-3,095.14	-520.61	4,375.71	4,220.80	154.91	28.246		
13,735.68	7,630.00	12,192.81	7,584.02	92.13	79.40	89.53	-3,109.39	-520.61	4,375.59	4,220.07	155.51	28.137		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1E-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 586-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
13,800.00	7,630.00	12,222.28	7,585.07	92.77	79.88	89.54	-3,138.84	-520.83	4,375.80	4,219.12	156.68	27.929		
13,900.00	7,630.00	12,329.82	7,589.14	93.79	81.66	89.60	-3,246.30	-521.93	4,376.47	4,216.45	160.01	27.351		
14,000.00	7,630.00	12,449.35	7,593.05	94.86	83.65	89.65	-3,365.76	-522.59	4,376.63	4,212.97	163.67	26.741		
14,100.00	7,630.00	12,528.44	7,595.00	95.97	84.96	89.67	-3,444.83	-523.03	4,376.86	4,210.54	166.32	26.316		
14,200.00	7,630.00	12,624.01	7,596.44	97.11	86.56	89.69	-3,540.39	-524.12	4,377.66	4,208.27	169.39	25.843		
14,300.00	7,630.00	12,729.66	7,597.12	98.28	88.32	89.70	-3,646.03	-524.99	4,378.13	4,205.41	172.73	25.347		
14,400.00	7,630.00	12,818.04	7,596.88	99.48	89.80	89.70	-3,734.40	-525.85	4,378.78	4,203.15	175.63	24.932		
14,500.00	7,630.00	12,904.66	7,595.91	100.72	91.24	89.68	-3,821.00	-526.95	4,379.71	4,201.22	178.49	24.537		
14,600.00	7,630.00	13,000.75	7,594.23	101.97	92.85	89.66	-3,917.07	-528.39	4,380.88	4,199.28	181.60	24.124		
14,700.00	7,630.00	13,124.49	7,591.74	103.26	94.93	89.63	-4,040.78	-529.96	4,381.84	4,196.40	185.44	23.630		
14,800.00	7,630.00	13,214.60	7,589.50	104.56	96.45	89.60	-4,130.85	-531.09	4,382.75	4,194.34	188.41	23.261		
14,900.00	7,630.00	13,366.29	7,589.89	105.89	99.01	89.61	-4,282.54	-531.96	4,382.97	4,189.94	193.02	22.707		
14,953.03	7,630.00	13,405.58	7,590.22	106.60	99.68	89.61	-4,321.82	-532.00	4,382.86	4,188.46	194.40	22.545		
15,000.00	7,630.00	13,436.19	7,590.43	107.24	100.20	89.61	-4,352.43	-532.16	4,382.94	4,187.43	195.51	22.418		
15,100.00	7,630.00	13,464.00	7,590.58	108.60	100.67	89.62	-4,380.24	-532.41	4,383.96	4,187.09	196.87	22.268		
15,200.00	7,630.00	13,526.75	7,590.73	109.98	101.72	89.62	-4,442.97	-533.74	4,385.99	4,186.86	199.13	22.025		
15,300.00	7,630.00	13,592.79	7,590.51	111.38	102.84	89.61	-4,508.96	-536.31	4,389.44	4,187.97	201.48	21.786		
15,400.00	7,630.00	13,798.35	7,589.33	112.79	106.31	89.60	-4,714.43	-542.23	4,392.10	4,184.48	207.62	21.154		
15,500.00	7,630.00	15,500.00	7,589.62	114.22	135.36	89.60	-4,885.06	-543.52	4,392.52	4,153.53	238.99	18.379		
15,600.00	7,630.00	14,079.14	7,591.20	115.66	111.09	89.62	-4,995.19	-543.02	4,391.69	4,175.26	216.42	20.292		
15,669.29	7,630.00	14,110.27	7,591.72	116.66	111.63	89.63	-5,026.31	-543.06	4,391.55	4,173.84	217.71	20.171		
15,700.00	7,630.00	14,122.49	7,591.96	117.11	111.84	89.63	-5,038.53	-543.16	4,391.69	4,173.46	218.23	20.124		
15,800.00	7,630.00	14,176.00	7,593.23	118.57	112.75	89.65	-5,092.01	-544.20	4,393.12	4,172.82	220.30	19.942		
15,900.00	7,630.00	14,226.30	7,594.59	120.05	113.60	89.67	-5,142.27	-545.74	4,395.63	4,173.38	222.25	19.778		
16,000.00	7,630.00	14,318.69	7,597.10	121.53	115.17	89.70	-5,234.58	-548.89	4,398.68	4,173.31	225.37	19.517		
16,100.00	7,630.00	16,100.00	7,601.20	123.03	145.61	89.76	-5,390.76	-553.81	4,401.70	4,143.59	258.11	17.054		
16,200.00	7,630.00	14,644.95	7,603.76	124.53	120.75	89.79	-5,560.66	-555.50	4,402.12	4,166.54	235.58	18.686		
16,300.00	7,630.00	14,711.00	7,604.35	126.04	121.88	89.80	-5,626.71	-556.22	4,402.81	4,164.80	238.01	18.498		
16,400.00	7,630.00	14,937.39	7,606.64	127.56	125.78	89.83	-5,853.07	-555.30	4,401.73	4,156.91	244.82	17.979		
16,500.00	7,630.00	15,062.43	7,607.20	129.09	127.95	89.83	-5,978.09	-553.00	4,399.56	4,150.69	248.87	17.678		
16,600.00	7,630.00	15,157.00	7,607.36	130.62	129.59	89.84	-6,072.63	-550.67	4,396.78	4,144.66	252.12	17.439		
16,700.00	7,630.00	15,213.54	7,607.57	132.16	130.56	89.84	-6,129.15	-549.59	4,394.70	4,140.35	254.35	17.278		
16,800.00	7,630.00	15,265.11	7,608.15	133.71	131.46	89.85	-6,180.72	-549.42	4,393.95	4,137.53	256.42	17.136		
16,900.00	7,630.00	15,353.63	7,609.37	135.27	132.99	89.86	-6,269.24	-549.66	4,393.88	4,134.38	259.50	16.932		
17,000.00	7,630.00	15,497.04	7,611.40	136.83	135.47	89.89	-6,412.63	-549.51	4,393.46	4,129.37	264.10	16.636		
17,100.00	7,630.00	15,603.04	7,612.25	138.39	137.30	89.90	-6,518.62	-548.67	4,392.33	4,124.67	267.67	16.410		
17,200.00	7,630.00	15,697.56	7,612.51	139.97	138.94	89.90	-6,613.14	-548.00	4,391.28	4,120.36	270.92	16.209		
17,300.00	7,630.00	15,826.87	7,612.34	141.54	141.18	89.90	-6,742.44	-546.70	4,389.94	4,114.81	275.13	15.956		
17,400.00	7,630.00	15,985.46	7,611.22	143.12	143.94	89.89	-6,900.99	-543.57	4,387.66	4,107.54	280.12	15.664		
17,500.00	7,630.00	16,071.29	7,610.26	144.71	145.44	89.87	-6,986.78	-541.13	4,384.52	4,101.37	283.16	15.484		
17,600.00	7,630.00	16,113.97	7,609.87	146.30	146.18	89.87	-7,029.46	-540.40	4,382.49	4,097.46	285.03	15.376		
17,700.00	7,630.00	16,174.38	7,609.49	147.90	147.23	89.86	-7,089.87	-540.15	4,381.66	4,094.31	287.35	15.249		
17,800.00	7,630.00	16,262.36	7,608.82	149.50	148.76	89.85	-7,177.85	-540.19	4,381.37	4,090.94	290.43	15.086		
17,881.71	7,630.00	16,335.01	7,608.01	150.81	150.02	89.84	-7,250.48	-540.30	4,381.23	4,088.26	292.97	14.955		
17,900.00	7,630.00	16,347.61	7,607.97	151.10	150.24	89.84	-7,263.09	-540.35	4,381.24	4,087.81	293.43	14.931		
18,000.00	7,630.00	16,418.87	7,608.79	152.71	151.47	89.85	-7,334.34	-540.94	4,381.72	4,085.68	296.03	14.801		
18,100.00	7,630.00	16,501.71	7,611.04	154.32	152.91	89.88	-7,417.14	-542.05	4,382.71	4,083.74	298.97	14.659		
18,200.00	7,630.00	16,596.59	7,614.28	155.94	154.55	89.93	-7,511.96	-543.57	4,383.97	4,081.71	302.26	14.504		
18,300.00	7,630.00	16,700.04	7,618.16	157.56	156.35	89.98	-7,615.31	-545.18	4,385.19	4,079.39	305.80	14.340		
18,400.00	7,630.00	16,795.30	7,622.10	159.18	158.00	90.03	-7,710.49	-546.73	4,386.48	4,077.37	309.11	14.191		
18,500.00	7,630.00	16,908.98	7,626.81	160.80	159.97	90.09	-7,824.05	-548.52	4,387.74	4,074.79	312.95	14.020		
18,600.00	7,630.00	16,991.90	7,628.74	162.43	161.41	90.11	-7,906.94	-549.68	4,388.83	4,072.93	315.90	13.893		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SEC 22-T1N-R68W - EXIST HZ COSSLETT 1E-22H-B168 - OWB - FINAL SURVEY												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 586-MWD OWSG												<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
18,700.00	7,630.00	17,066.77	7,629.77	164.06	162.71	90.13	-7,981.79	-551.24	4,390.56	4,071.97	318.59	13.781	
18,800.00	7,630.00	17,150.34	7,630.81	165.70	164.16	90.14	-8,065.33	-553.34	4,392.74	4,071.21	321.53	13.662	
18,900.00	7,630.00	17,233.45	7,631.54	167.33	165.59	90.15	-8,148.39	-555.71	4,395.26	4,070.81	324.46	13.547	
19,000.00	7,630.00	17,314.88	7,631.91	168.97	167.00	90.16	-8,229.78	-558.42	4,398.25	4,070.93	327.32	13.437	
19,021.79	7,630.00	17,336.67	7,631.95	169.33	167.38	90.16	-8,251.55	-559.18	4,398.94	4,070.87	328.07	13.408 SF	

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1F-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 229-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	-53.43	786.89	-1,060.90	1,320.91					
100.00	100.00	89.50	89.50	0.13	0.14	-53.44	786.88	-1,060.92	1,320.88	1,320.61	0.28	4,738.510 CC		
200.00	200.00	188.94	188.94	0.49	0.30	-53.44	786.85	-1,061.01	1,320.94	1,320.15	0.80	1,656.175		
300.00	300.00	285.52	285.52	0.85	0.57	-53.44	786.88	-1,061.19	1,321.11	1,319.69	1.42	929.491		
400.00	400.00	380.17	380.17	1.21	0.91	-53.44	787.22	-1,061.58	1,321.65	1,319.54	2.12	624.640 ES		
500.00	500.00	474.81	474.80	1.57	1.24	-53.43	787.91	-1,062.18	1,322.60	1,319.79	2.81	470.624		
600.00	600.00	569.44	569.42	1.93	1.58	-53.42	788.95	-1,063.00	1,323.95	1,320.44	3.50	377.776		
700.00	700.00	670.25	670.22	2.29	1.94	-53.40	790.16	-1,064.03	1,325.48	1,321.26	4.22	314.012		
800.00	799.98	766.69	766.65	2.64	2.28	-115.19	791.43	-1,065.05	1,327.86	1,322.94	4.92	269.971		
900.00	899.84	880.02	879.90	2.99	2.68	-115.21	795.18	-1,064.21	1,331.48	1,325.81	5.67	234.926		
1,000.00	999.45	987.88	987.41	3.35	3.06	-115.13	802.26	-1,059.32	1,335.45	1,329.04	6.41	208.500		
1,100.00	1,098.70	1,083.76	1,082.88	3.73	3.40	-115.10	809.58	-1,054.24	1,340.94	1,333.82	7.12	188.398		
1,200.00	1,197.47	1,204.60	1,203.11	4.11	3.84	-115.20	819.20	-1,046.85	1,347.48	1,339.54	7.94	169.700		
1,300.00	1,295.62	1,302.07	1,300.10	4.53	4.20	-115.39	826.29	-1,040.50	1,354.77	1,346.07	8.70	155.687		
1,400.00	1,393.06	1,405.07	1,402.29	4.97	4.60	-115.58	835.74	-1,031.76	1,363.12	1,353.61	9.52	143.240		
1,500.00	1,489.64	1,505.00	1,501.26	5.44	4.99	-115.81	846.27	-1,022.85	1,373.47	1,363.11	10.36	132.589		
1,600.00	1,585.27	1,599.85	1,594.70	5.95	5.38	-115.97	858.52	-1,012.12	1,384.83	1,373.60	11.23	123.344		
1,700.00	1,679.82	1,674.53	1,668.20	6.51	5.69	-116.08	869.09	-1,004.16	1,399.03	1,386.97	12.05	116.069		
1,800.00	1,773.17	1,754.29	1,746.71	7.13	6.03	-116.26	881.15	-996.96	1,416.64	1,403.70	12.94	109.484		
1,900.00	1,865.21	1,859.50	1,850.07	7.79	6.48	-116.63	898.03	-986.86	1,436.03	1,422.04	13.99	102.662		
2,000.00	1,955.84	1,941.27	1,930.38	8.51	6.84	-116.89	911.13	-978.81	1,457.01	1,442.04	14.97	97.321		
2,100.00	2,044.94	2,018.00	2,005.84	9.30	7.18	-117.17	923.68	-972.79	1,481.50	1,465.53	15.97	92.781		
2,200.00	2,132.39	2,170.94	2,155.94	10.15	7.86	-118.22	948.97	-958.09	1,506.85	1,489.46	17.39	86.644		
2,300.00	2,218.11	2,244.04	2,227.62	11.07	8.19	-118.52	960.73	-949.88	1,532.46	1,514.00	18.47	82.989		
2,400.00	2,301.97	2,315.64	2,297.84	12.06	8.52	-118.82	972.68	-942.61	1,561.31	1,541.75	19.56	79.807		
2,500.00	2,383.88	2,383.67	2,364.60	13.11	8.83	-119.07	984.31	-936.55	1,593.51	1,572.84	20.67	77.097		
2,512.74	2,394.17	2,392.04	2,372.81	13.25	8.87	-119.10	985.76	-935.87	1,597.86	1,577.05	20.81	76.782		
2,600.00	2,464.54	2,450.44	2,430.12	14.22	9.13	-119.86	996.06	-931.50	1,628.57	1,606.79	21.78	74.786		
2,700.00	2,545.18	2,520.94	2,499.36	15.35	9.45	-120.75	1,008.56	-926.98	1,665.23	1,642.34	22.89	72.743		
2,800.00	2,625.82	2,588.78	2,566.05	16.50	9.75	-121.61	1,020.48	-923.51	1,703.46	1,679.48	23.98	71.046		
2,900.00	2,706.45	2,706.32	2,681.50	17.65	10.28	-123.00	1,041.59	-917.09	1,742.15	1,716.79	25.37	68.678		
3,000.00	2,787.09	2,827.32	2,800.03	18.82	10.85	-124.31	1,063.94	-907.43	1,779.38	1,752.59	26.79	66.425		
3,100.00	2,867.73	2,976.90	2,946.93	19.99	11.53	-125.91	1,087.84	-892.80	1,814.76	1,786.42	28.34	64.032		
3,200.00	2,948.37	3,080.19	3,048.64	21.17	12.00	-127.01	1,102.36	-882.11	1,849.73	1,820.13	29.60	62.499		
3,300.00	3,029.01	3,190.17	3,156.80	22.36	12.49	-128.15	1,116.57	-868.16	1,882.57	1,851.71	30.87	60.991		
3,400.00	3,109.65	3,278.34	3,243.74	23.55	12.88	-129.07	1,127.08	-857.91	1,916.70	1,884.71	32.00	59.905		
3,500.00	3,190.29	3,383.71	3,347.47	24.74	13.36	-130.11	1,140.04	-844.74	1,950.66	1,917.45	33.21	58.739		
3,600.00	3,270.93	3,451.99	3,414.58	25.94	13.67	-130.74	1,149.13	-835.98	1,985.06	1,950.84	34.22	58.010		
3,700.00	3,351.57	3,527.06	3,488.55	27.14	14.01	-131.44	1,158.65	-827.49	2,020.94	1,985.69	35.25	57.339		
3,800.00	3,432.21	3,606.68	3,566.81	28.35	14.37	-132.12	1,169.99	-818.26	2,057.38	2,021.09	36.29	56.691		
3,900.00	3,512.85	3,673.57	3,632.80	29.56	14.67	-132.71	1,178.64	-811.48	2,095.08	2,057.84	37.24	56.262		
4,000.00	3,593.49	3,792.27	3,749.69	30.76	15.20	-133.70	1,194.94	-798.93	2,132.98	2,094.49	38.49	55.418		
4,100.00	3,674.13	3,876.13	3,831.96	31.97	15.59	-134.32	1,207.69	-788.81	2,170.17	2,130.63	39.54	54.885		
4,200.00	3,754.77	3,928.25	3,883.26	33.19	15.83	-134.72	1,215.10	-783.40	2,208.89	2,168.52	40.37	54.719		
4,300.00	3,835.41	4,005.37	3,959.42	34.40	16.17	-135.33	1,225.25	-776.78	2,249.22	2,207.89	41.33	54.427		
4,400.00	3,916.05	4,106.10	4,058.67	35.62	16.63	-136.06	1,239.57	-767.19	2,289.21	2,246.78	42.44	53.945		
4,500.00	3,996.69	4,194.14	4,145.28	36.83	17.03	-136.66	1,252.86	-758.67	2,329.49	2,286.02	43.47	53.589		
4,600.00	4,077.33	4,286.31	4,235.91	38.05	17.46	-137.27	1,266.98	-749.62	2,369.90	2,325.37	44.53	53.221		
4,700.00	4,157.96	4,355.54	4,303.92	39.27	17.77	-137.69	1,278.03	-742.82	2,410.64	2,365.22	45.43	53.067		
4,800.00	4,238.60	4,421.56	4,369.05	40.49	18.07	-138.13	1,287.32	-737.44	2,452.68	2,406.41	46.27	53.004		
4,900.00	4,319.24	4,536.73	4,482.46	41.71	18.59	-138.83	1,304.31	-726.72	2,493.90	2,446.44	47.46	52.549		
5,000.00	4,399.88	4,600.13	4,544.96	42.93	18.88	-139.22	1,313.46	-721.39	2,536.16	2,487.88	48.27	52.537		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1F-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 229-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,480.52	4,751.10	4,693.83	44.15	19.55	-140.12	1,334.18	-707.24	2,577.70	2,528.03	49.67	51.895		
5,200.00	4,561.16	4,811.50	4,753.22	45.37	19.83	-140.45	1,343.21	-700.99	2,618.80	2,568.34	50.46	51.893		
5,300.00	4,641.80	4,961.39	4,900.72	46.59	20.52	-141.24	1,365.10	-685.93	2,660.64	2,608.77	51.86	51.301		
5,400.00	4,722.44	5,032.00	4,969.93	47.82	20.85	-141.58	1,376.37	-677.69	2,700.90	2,648.16	52.74	51.210		
5,500.00	4,803.08	5,086.89	5,023.87	49.04	21.11	-141.85	1,384.71	-671.85	2,742.17	2,688.69	53.49	51.269		
5,600.00	4,883.72	5,202.43	5,137.63	50.27	21.64	-142.42	1,401.44	-660.51	2,784.39	2,729.75	54.64	50.960		
5,700.00	4,964.36	5,264.08	5,198.22	51.49	21.92	-142.71	1,410.73	-654.00	2,826.00	2,770.58	55.42	50.996		
5,800.00	5,045.00	5,437.41	5,368.60	52.71	22.72	-143.51	1,435.39	-634.08	2,866.70	2,809.75	56.95	50.336		
5,900.00	5,125.64	5,494.28	5,424.44	53.94	22.99	-143.77	1,443.58	-627.04	2,906.90	2,849.21	57.69	50.385		
6,000.00	5,206.28	5,539.86	5,469.32	55.17	23.20	-143.97	1,449.78	-622.07	2,948.45	2,890.11	58.33	50.544		
6,100.00	5,286.92	5,629.21	5,557.46	56.39	23.60	-144.38	1,461.58	-613.37	2,991.15	2,931.89	59.26	50.472		
6,200.00	5,367.56	5,694.39	5,621.64	57.62	23.89	-144.66	1,470.81	-606.73	3,033.70	2,973.68	60.03	50.540		
6,300.00	5,448.20	5,744.00	5,670.66	58.84	24.11	-144.88	1,477.10	-602.43	3,077.53	3,016.87	60.66	50.738		
6,400.00	5,528.84	5,860.41	5,785.74	60.07	24.62	-145.40	1,491.50	-592.55	3,121.70	3,059.95	61.75	50.553		
6,500.00	5,609.47	5,945.83	5,869.59	61.30	25.01	-145.70	1,505.66	-584.43	3,165.17	3,102.48	62.68	50.494		
6,600.00	5,690.11	5,989.51	5,912.49	62.53	25.22	-145.84	1,512.97	-580.76	3,209.68	3,146.39	63.29	50.716		
6,700.00	5,770.75	6,122.97	6,043.74	63.75	25.83	-146.30	1,534.31	-569.47	3,254.17	3,189.57	64.59	50.381		
6,800.00	5,851.39	6,162.73	6,082.90	64.98	26.01	-146.44	1,540.36	-566.15	3,298.86	3,233.72	65.14	50.640		
6,900.00	5,932.03	6,268.99	6,187.78	66.21	26.48	-146.82	1,555.53	-558.40	3,344.65	3,278.46	66.20	50.527		
7,000.00	6,012.67	6,348.95	6,266.67	67.44	26.84	-147.11	1,566.84	-551.88	3,389.67	3,322.63	67.04	50.564		
7,100.00	6,093.31	6,483.59	6,399.69	68.66	27.43	-147.60	1,584.24	-540.50	3,434.56	3,366.29	68.27	50.310		
7,200.00	6,173.95	7,200.00	6,545.59	69.89	30.76	-148.07	1,606.06	-525.03	3,477.54	3,405.43	72.11	48.224		
7,300.00	6,254.59	6,688.01	6,600.70	71.12	28.38	-148.24	1,614.41	-518.85	3,520.39	3,450.07	70.32	50.065		
7,400.00	6,335.23	6,724.00	6,636.04	72.35	28.54	-148.34	1,620.30	-515.47	3,564.62	3,493.79	70.84	50.321		
7,500.00	6,415.87	6,765.91	6,677.26	73.58	28.73	-148.45	1,627.12	-512.11	3,610.13	3,538.74	71.39	50.570		
7,600.00	6,496.51	7,600.00	6,771.59	74.81	32.45	-148.73	1,641.25	-505.42	3,656.59	3,581.05	75.54	48.406		
7,700.00	6,577.15	7,438.00	7,334.75	76.04	31.49	-151.11	1,674.58	-422.44	3,695.15	3,619.53	75.61	48.868		
7,800.00	6,657.79	7,438.00	7,334.75	77.27	31.49	-151.11	1,674.58	-422.44	3,730.83	3,654.83	76.00	49.090		
7,900.00	6,738.43	7,478.33	7,372.69	78.50	31.54	-151.48	1,663.33	-414.72	3,767.82	3,691.56	76.26	49.407		
8,000.00	6,819.07	7,527.00	7,417.87	79.73	31.60	-151.96	1,646.74	-407.59	3,807.79	3,731.34	76.45	49.806		
8,100.00	6,899.71	7,527.00	7,417.87	80.96	31.60	-151.96	1,646.74	-407.59	3,848.49	3,771.76	76.73	50.155		
8,200.00	6,980.35	7,527.00	7,417.87	82.18	31.60	-151.96	1,646.74	-407.59	3,891.34	3,814.37	76.97	50.556		
8,240.58	7,013.07	7,527.00	7,417.87	82.68	31.60	-151.96	1,646.74	-407.59	3,909.32	3,832.26	77.06	50.733		
8,250.00	7,020.68	7,527.00	7,417.87	82.80	31.60	-153.62	1,646.74	-407.59	3,913.55	3,836.47	77.08	50.776		
8,300.00	7,061.63	7,527.00	7,417.87	83.40	31.60	-162.93	1,646.74	-407.59	3,936.42	3,859.26	77.17	51.011		
8,350.00	7,103.23	7,527.00	7,417.87	83.97	31.60	-172.92	1,646.74	-407.59	3,959.89	3,882.65	77.25	51.263		
8,400.00	7,145.18	7,527.00	7,417.87	84.51	31.60	176.68	1,646.74	-407.59	3,983.77	3,906.46	77.31	51.530		
8,450.00	7,187.16	7,527.00	7,417.87	85.01	31.60	166.24	1,646.74	-407.59	4,007.87	3,930.52	77.36	51.810		
8,500.00	7,228.84	7,527.00	7,417.87	85.46	31.60	156.10	1,646.74	-407.59	4,032.01	3,954.62	77.39	52.101		
8,550.00	7,269.91	7,567.94	7,455.11	85.86	31.60	146.50	1,630.22	-403.69	4,054.65	3,977.34	77.32	52.442		
8,600.00	7,310.05	7,574.73	7,461.21	86.20	31.60	137.82	1,627.25	-403.25	4,077.83	4,000.52	77.31	52.744		
8,650.00	7,348.97	7,616.00	7,497.58	86.50	31.61	130.04	1,607.83	-401.89	4,101.38	4,024.18	77.20	53.125		
8,700.00	7,386.36	7,616.00	7,497.58	86.74	31.61	123.16	1,607.83	-401.89	4,122.91	4,045.70	77.21	53.399		
8,750.00	7,421.94	7,616.00	7,497.58	86.93	31.61	117.12	1,607.83	-401.89	4,143.63	4,066.41	77.22	53.662		
8,800.00	7,455.44	7,616.00	7,497.58	87.07	31.61	111.83	1,607.83	-401.89	4,163.39	4,086.16	77.23	53.911		
8,850.00	7,486.61	7,616.00	7,497.58	87.16	31.61	107.23	1,607.83	-401.89	4,182.05	4,104.80	77.25	54.139		
8,900.00	7,515.20	7,616.00	7,497.58	87.20	31.61	103.25	1,607.83	-401.89	4,199.49	4,122.22	77.28	54.344		
8,950.00	7,541.00	7,616.00	7,497.58	87.21	31.61	99.84	1,607.83	-401.89	4,215.60	4,138.27	77.32	54.520		
9,000.00	7,563.81	7,646.65	7,523.92	87.17	31.59	97.17	1,592.16	-401.86	4,229.97	4,152.69	77.29	54.730		
9,050.00	7,583.47	7,662.57	7,537.41	87.10	31.58	94.89	1,583.71	-401.98	4,242.74	4,165.41	77.32	54.870		
9,100.00	7,599.81	7,678.08	7,550.42	87.00	31.57	93.06	1,575.26	-402.19	4,253.75	4,176.36	77.38	54.970		
9,150.00	7,612.72	7,705.00	7,572.68	86.88	31.55	91.76	1,560.14	-402.74	4,263.00	4,185.57	77.43	55.059		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1F-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 229-MWD OWSSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,622.09	7,902.40	7,722.26	86.72	31.33	92.34	1,431.90	-403.31	4,269.72	4,193.14	76.57	55.760		
9,250.00	7,627.87	7,958.99	7,759.36	86.55	31.25	92.13	1,389.19	-402.41	4,273.33	4,196.93	76.41	55.927		
9,303.98	7,630.00	7,973.00	7,768.05	86.35	31.23	91.98	1,378.21	-402.18	4,274.96	4,198.39	76.57	55.832		
9,400.00	7,630.00	8,013.22	7,791.88	85.99	31.16	92.30	1,345.81	-401.87	4,276.68	4,199.90	76.78	55.702		
9,500.00	7,630.00	8,050.00	7,837.53	85.62	29.70	92.91	1,269.19	-402.83	4,280.14	4,203.91	76.23	56.148		
9,600.00	7,630.00	8,408.94	7,932.87	85.28	30.49	94.19	979.95	-402.37	4,282.69	4,207.73	74.95	57.140		
9,700.00	7,630.00	8,471.48	7,937.54	84.95	30.42	94.25	917.61	-401.68	4,281.85	4,206.75	75.10	57.015		
9,729.19	7,630.00	8,487.47	7,938.17	84.85	30.41	94.26	901.62	-401.66	4,281.80	4,206.63	75.17	56.961		
9,800.00	7,630.00	8,549.93	7,939.40	84.64	30.39	94.28	839.18	-401.94	4,281.97	4,206.75	75.22	56.929		
9,900.00	7,630.00	8,683.92	7,942.76	84.34	30.61	94.32	705.23	-401.92	4,281.82	4,206.59	75.23	56.914		
9,950.11	7,630.00	8,708.46	7,943.40	84.20	30.70	94.33	680.70	-401.87	4,281.67	4,206.20	75.47	56.733		
10,000.00	7,630.00	8,732.19	7,944.01	84.06	30.80	94.34	656.98	-401.98	4,281.82	4,206.12	75.70	56.562		
10,100.00	7,630.00	8,817.06	7,946.21	83.80	31.22	94.37	572.14	-403.15	4,282.99	4,206.83	76.16	56.237		
10,200.00	7,630.00	9,015.04	7,952.20	83.56	32.52	94.45	374.27	-401.98	4,281.79	4,204.93	76.86	55.708		
10,300.00	7,630.00	9,125.70	7,951.87	83.33	33.38	94.45	263.62	-400.90	4,280.47	4,202.72	77.75	55.055		
10,400.00	7,630.00	9,187.58	7,952.13	83.12	33.91	94.45	201.74	-400.36	4,279.32	4,200.71	78.61	54.437		
10,500.00	7,630.00	10,500.00	7,954.58	82.92	46.32	94.49	84.26	-399.49	4,278.41	4,188.04	90.36	47.347		
10,595.79	7,630.00	9,354.36	7,955.63	82.75	35.45	94.50	35.00	-399.08	4,277.66	4,196.91	80.75	52.975		
10,600.00	7,630.00	9,355.83	7,955.66	82.75	35.46	94.50	33.54	-399.08	4,277.66	4,196.88	80.78	52.952		
10,700.00	7,630.00	9,398.00	7,956.41	82.59	35.87	94.51	-8.62	-399.58	4,278.51	4,196.80	81.71	52.363		
10,800.00	7,630.00	9,637.56	7,961.56	82.45	38.40	94.58	-248.11	-400.08	4,278.91	4,194.57	84.34	50.733		
10,900.00	7,630.00	9,754.00	7,964.46	82.33	39.74	94.62	-364.48	-397.21	4,276.23	4,190.03	86.20	49.611		
11,000.00	7,630.00	9,804.53	7,965.79	82.22	40.35	94.64	-414.98	-396.18	4,274.32	4,186.89	87.43	48.889		
11,084.20	7,630.00	9,843.00	7,967.16	82.15	40.80	94.66	-453.42	-396.11	4,273.98	4,185.54	88.44	48.326		
11,100.00	7,630.00	9,843.00	7,967.16	82.14	40.80	94.66	-453.42	-396.11	4,274.01	4,185.47	88.54	48.270		
11,200.00	7,630.00	9,940.77	7,971.09	82.08	42.00	94.71	-551.11	-396.61	4,274.51	4,184.10	90.41	47.278		
11,300.00	7,630.00	10,122.38	7,973.77	82.04	44.31	94.75	-732.69	-396.52	4,274.47	4,180.97	93.50	45.715		
11,400.00	7,630.00	10,187.52	7,973.38	82.02	45.16	94.74	-797.83	-396.06	4,273.39	4,178.28	95.11	44.931		
11,500.00	7,630.00	11,500.00	7,968.92	82.03	63.15	94.69	-972.28	-394.20	4,271.73	4,157.79	113.94	37.491		
11,600.00	7,630.00	10,440.17	7,966.50	82.06	48.61	94.66	-1,050.35	-392.68	4,269.29	4,168.94	100.35	42.546		
11,700.00	7,630.00	10,495.26	7,965.02	82.12	49.38	94.64	-1,105.42	-392.24	4,267.92	4,165.99	101.93	41.870		
11,781.78	7,630.00	10,542.04	7,964.32	82.19	50.03	94.63	-1,152.19	-392.25	4,267.57	4,164.29	103.28	41.322		
11,800.00	7,630.00	10,556.00	7,964.22	82.21	50.23	94.63	-1,166.15	-392.32	4,267.58	4,163.95	103.63	41.180		
11,900.00	7,630.00	10,614.09	7,964.38	82.33	51.05	94.63	-1,224.24	-392.87	4,268.19	4,162.87	105.31	40.528		
12,000.00	7,630.00	10,791.18	7,969.75	82.48	53.61	94.70	-1,401.23	-393.65	4,268.69	4,159.48	109.21	39.088		
12,100.00	7,630.00	10,938.41	7,974.30	82.66	55.78	94.76	-1,548.38	-391.76	4,267.30	4,154.61	112.69	37.867		
12,200.00	7,630.00	11,045.62	7,974.73	82.88	57.39	94.77	-1,655.57	-389.87	4,265.24	4,149.77	115.47	36.939		
12,300.00	7,630.00	11,121.89	7,972.75	83.14	58.55	94.75	-1,731.80	-389.01	4,263.54	4,145.88	117.66	36.236		
12,400.00	7,630.00	11,255.25	7,968.36	83.44	60.59	94.69	-1,865.08	-387.30	4,261.65	4,140.61	121.04	35.209		
12,500.00	7,630.00	11,352.27	7,965.54	83.79	62.08	94.65	-1,962.04	-385.60	4,259.34	4,135.61	123.73	34.425		
12,600.00	7,630.00	11,431.72	7,963.71	84.18	63.32	94.63	-2,041.47	-384.45	4,257.38	4,131.30	126.08	33.766		
12,700.00	7,630.00	11,504.45	7,962.27	84.61	64.45	94.61	-2,114.17	-383.79	4,255.98	4,127.67	128.31	33.169		
12,800.00	7,630.00	11,572.70	7,961.02	85.10	65.52	94.60	-2,182.42	-383.64	4,255.29	4,124.83	130.46	32.618		
12,837.94	7,630.00	11,597.49	7,960.61	85.30	65.90	94.59	-2,207.20	-383.72	4,255.23	4,123.98	131.25	32.421		
12,900.00	7,630.00	11,647.00	7,959.85	85.64	66.68	94.58	-2,256.70	-384.10	4,255.40	4,122.66	132.74	32.057		
13,000.00	7,630.00	11,698.34	7,959.22	86.22	67.48	94.57	-2,308.03	-384.85	4,256.35	4,121.83	134.52	31.640		
13,100.00	7,630.00	11,757.35	7,958.69	86.86	68.41	94.56	-2,367.03	-386.23	4,258.27	4,121.80	136.48	31.202		
13,200.00	7,630.00	11,825.00	7,957.98	87.56	69.47	94.55	-2,434.63	-388.53	4,261.18	4,122.56	138.63	30.739		
13,300.00	7,630.00	11,897.88	7,957.16	88.30	70.61	94.54	-2,507.45	-391.52	4,264.80	4,123.89	140.90	30.268		
13,400.00	7,630.00	11,976.64	7,956.42	89.10	71.85	94.52	-2,586.12	-395.02	4,268.82	4,125.49	143.33	29.783		
13,500.00	7,630.00	12,075.35	7,956.01	89.94	73.41	94.51	-2,684.72	-399.73	4,273.21	4,126.96	146.25	29.218		
13,600.00	7,630.00	12,221.29	7,957.10	90.84	75.73	94.52	-2,830.54	-405.53	4,276.86	4,126.50	150.36	28.444		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1F-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 229-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
13,700.00	7,630.00	12,371.15	7,958.67	91.78	78.14	94.54	-2,980.31	-410.20	4,279.80	4,125.19	154.62	27.680		
13,800.00	7,630.00	12,432.29	7,959.06	92.77	79.13	94.54	-3,041.42	-412.01	4,282.42	4,125.72	156.70	27.328		
13,900.00	7,630.00	12,496.27	7,959.10	93.79	80.16	94.54	-3,105.37	-414.40	4,285.81	4,126.96	158.85	26.979		
14,000.00	7,630.00	12,578.80	7,959.36	94.86	81.49	94.54	-3,187.81	-418.14	4,289.99	4,128.52	161.48	26.567		
14,100.00	7,630.00	12,688.94	7,960.37	95.97	83.28	94.55	-3,297.84	-422.91	4,294.05	4,129.22	164.82	26.053		
14,200.00	7,630.00	12,795.42	7,961.00	97.11	85.01	94.55	-3,404.22	-427.41	4,297.97	4,129.88	168.09	25.569		
14,300.00	7,630.00	13,374.65	7,946.08	98.28	94.65	94.36	-3,982.73	-421.88	4,297.65	4,114.41	183.24	23.454		
14,400.00	7,630.00	13,695.19	7,944.74	99.48	100.14	94.38	-4,301.73	-391.52	4,287.95	4,096.24	191.70	22.367		
14,500.00	7,630.00	13,758.86	7,945.74	100.72	101.24	94.40	-4,364.94	-383.99	4,275.94	4,081.78	194.16	22.023		
14,600.00	7,630.00	13,813.88	7,946.54	101.97	102.19	94.42	-4,419.63	-377.96	4,264.82	4,068.42	196.40	21.715		
14,700.00	7,630.00	13,875.00	7,947.50	103.26	103.24	94.44	-4,480.46	-372.07	4,254.88	4,056.12	198.77	21.406		
14,800.00	7,630.00	13,907.60	7,948.02	104.56	103.80	94.45	-4,512.93	-369.33	4,246.10	4,045.67	200.43	21.185		
14,900.00	7,630.00	13,964.00	7,948.77	105.89	104.77	94.46	-4,569.19	-365.37	4,238.72	4,036.06	202.65	20.916		
15,000.00	7,630.00	13,995.11	7,949.16	107.24	105.30	94.47	-4,600.25	-363.60	4,232.56	4,028.35	204.21	20.726		
15,100.00	7,630.00	14,053.00	7,950.00	108.60	106.29	94.48	-4,658.08	-361.06	4,227.81	4,021.38	206.43	20.481		
15,200.00	7,630.00	14,080.72	7,950.41	109.98	106.77	94.49	-4,685.78	-360.22	4,224.30	4,016.47	207.83	20.326		
15,300.00	7,630.00	14,142.00	7,951.15	111.38	107.81	94.50	-4,747.05	-359.34	4,222.39	4,012.30	210.09	20.098		
15,377.68	7,630.00	14,142.00	7,951.15	112.48	107.81	94.50	-4,747.05	-359.34	4,221.67	4,011.14	210.53	20.052		
15,400.00	7,630.00	14,142.00	7,951.15	112.79	107.81	94.50	-4,747.05	-359.34	4,221.73	4,011.08	210.65	20.042		
15,500.00	7,630.00	14,196.22	7,951.56	114.22	108.72	94.50	-4,801.27	-359.77	4,222.50	4,009.85	212.65	19.857		
15,600.00	7,630.00	14,235.75	7,951.67	115.66	109.39	94.50	-4,840.78	-360.85	4,224.86	4,010.65	214.21	19.723		
15,700.00	7,630.00	14,317.86	7,951.71	117.11	110.77	94.50	-4,922.84	-363.80	4,228.11	4,011.15	216.97	19.487		
15,800.00	7,630.00	14,607.01	7,953.16	118.57	115.66	94.52	-5,211.90	-368.24	4,229.36	4,003.75	225.61	18.746		
15,900.00	7,630.00	14,677.00	7,954.66	120.05	116.86	94.54	-5,281.87	-367.79	4,228.60	4,000.49	228.11	18.538		
15,953.60	7,630.00	14,718.08	7,955.56	120.84	117.56	94.55	-5,322.94	-367.73	4,228.45	3,998.91	229.54	18.421		
16,000.00	7,630.00	14,746.40	7,956.13	121.53	118.04	94.56	-5,351.25	-367.84	4,228.55	3,997.98	230.57	18.339		
16,100.00	7,630.00	14,807.94	7,957.21	123.03	119.09	94.57	-5,412.78	-368.51	4,229.44	3,996.63	232.80	18.167		
16,200.00	7,630.00	14,869.10	7,957.90	124.53	120.13	94.58	-5,473.93	-369.75	4,231.23	3,996.22	235.00	18.005		
16,300.00	7,630.00	14,928.24	7,958.18	126.04	121.13	94.58	-5,533.04	-371.55	4,233.96	3,996.84	237.13	17.855		
16,400.00	7,630.00	15,007.12	7,958.29	127.56	122.47	94.58	-5,611.85	-374.62	4,237.49	3,997.68	239.82	17.670		
16,500.00	7,630.00	15,182.10	7,961.74	129.09	125.44	94.62	-5,786.71	-379.81	4,240.24	3,994.87	245.37	17.281		
16,600.00	7,630.00	15,301.76	7,966.59	130.62	127.48	94.69	-5,906.25	-381.88	4,241.96	3,992.67	249.29	17.016		
16,700.00	7,630.00	15,412.07	7,970.31	132.16	129.37	94.74	-6,016.49	-383.36	4,243.23	3,990.29	252.95	16.775		
16,800.00	7,630.00	15,504.69	7,973.11	133.71	130.96	94.77	-6,109.06	-384.78	4,244.67	3,988.57	256.09	16.575		
16,900.00	7,630.00	15,647.44	7,977.78	135.27	133.41	94.83	-6,251.72	-386.22	4,245.62	3,984.92	260.70	16.285		
17,000.00	7,630.00	15,736.63	7,980.50	136.83	134.94	94.87	-6,340.87	-386.72	4,246.12	3,982.36	263.76	16.098		
17,100.00	7,630.00	15,849.41	7,984.49	138.39	136.88	94.92	-6,453.58	-387.38	4,246.67	3,979.16	267.51	15.875		
17,200.00	7,630.00	15,910.44	7,986.52	139.97	137.93	94.95	-6,514.57	-388.00	4,247.58	3,977.84	269.75	15.747		
17,300.00	7,630.00	15,985.22	7,988.86	141.54	139.22	94.98	-6,589.30	-389.26	4,249.19	3,976.81	272.38	15.600		
17,400.00	7,630.00	16,062.25	7,991.42	143.12	140.54	95.01	-6,666.27	-390.96	4,251.34	3,976.28	275.06	15.456		
17,500.00	7,630.00	16,135.97	7,993.92	144.71	141.81	95.04	-6,739.92	-392.98	4,254.05	3,976.41	277.64	15.322		
17,600.00	7,630.00	16,191.00	7,995.68	146.30	142.75	95.07	-6,794.89	-394.84	4,257.48	3,977.85	279.63	15.225		
17,700.00	7,630.00	16,258.97	7,997.65	147.90	143.91	95.09	-6,862.77	-397.78	4,261.78	3,979.78	282.00	15.113		
17,800.00	7,630.00	16,340.91	7,999.88	149.50	145.30	95.11	-6,944.56	-402.12	4,266.95	3,982.15	284.80	14.983		
17,900.00	7,630.00	16,423.38	8,002.20	151.10	146.71	95.14	-7,026.87	-406.67	4,272.37	3,984.76	287.61	14.855		
18,000.00	7,630.00	16,509.51	8,003.80	152.71	148.17	95.16	-7,112.83	-411.91	4,278.25	3,987.72	290.53	14.726		
18,100.00	7,630.00	16,611.04	8,005.38	154.32	149.90	95.17	-7,214.15	-418.23	4,284.26	3,990.31	293.95	14.575		
18,200.00	7,630.00	16,698.83	8,006.47	155.94	151.39	95.18	-7,301.76	-423.74	4,290.30	3,993.37	296.93	14.449		
18,300.00	7,630.00	17,073.44	8,000.25	157.56	157.82	95.08	-7,675.96	-437.41	4,293.77	3,985.00	308.76	13.906		
18,400.00	7,630.00	17,252.37	7,992.16	159.18	160.92	94.97	-7,854.71	-436.85	4,292.75	3,978.33	314.42	13.653		
18,500.00	7,630.00	17,559.23	7,995.05	160.80	166.30	95.03	-8,161.06	-423.04	4,287.32	3,963.99	323.32	13.260		
18,600.00	7,630.00	17,679.62	8,000.11	162.43	168.42	95.11	-8,281.04	-414.51	4,280.29	3,953.02	327.28	13.079		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b>		SEC 22-T1N-R68W - EXIST HZ COSSLETT 1F-22H-B168 - OWB - FINAL SURVEY										<b>Offset Site Error:</b>	0.00 usft
Survey Program:		229-MWD OWSG										<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
18,700.00	7,630.00	17,786.49	8,004.65	164.06	170.31	95.18	-8,387.52	-406.51	4,272.87	3,941.97	330.90	12.913	
18,800.00	7,630.00	17,796.00	8,005.06	165.70	170.48	95.19	-8,396.99	-405.79	4,266.37	3,934.31	332.06	12.848	
18,900.00	7,630.00	17,796.00	8,005.06	167.33	170.48	95.19	-8,396.99	-405.79	4,262.20	3,929.37	332.83	12.806	
19,000.00	7,630.00	17,796.00	8,005.06	168.97	170.48	95.19	-8,396.99	-405.79	4,260.38	3,926.94	333.44	12.777	
19,021.79	7,630.00	17,796.00	8,005.06	169.33	170.48	95.19	-8,396.99	-405.79	4,260.29	3,926.75	333.54	12.773 SF	



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1G-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 318-MWD OWSSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	-53.18	786.89	-1,051.10	1,313.06					
100.00	100.00	88.74	88.74	0.13	0.15	-53.18	786.86	-1,051.13	1,313.02	1,312.74	0.28	4,655.335 CC		
200.00	200.00	188.45	188.45	0.49	0.31	-53.19	786.77	-1,051.23	1,313.05	1,312.24	0.81	1,628.325		
300.00	300.00	288.16	288.16	0.85	0.48	-53.20	786.62	-1,051.41	1,313.10	1,311.77	1.33	986.765		
400.00	400.00	385.89	385.89	1.21	0.77	-53.21	786.54	-1,051.63	1,313.23	1,311.25	1.98	664.773		
500.00	500.00	482.76	482.76	1.57	1.10	-53.20	786.88	-1,051.80	1,313.59	1,310.91	2.67	491.678		
600.00	600.00	579.63	579.62	1.93	1.44	-53.17	787.67	-1,051.93	1,314.18	1,310.81	3.37	390.225		
700.00	700.00	683.54	683.53	2.29	1.80	-53.16	788.39	-1,052.14	1,314.76	1,310.67	4.09	321.489 ES		
800.00	799.98	786.76	786.68	2.64	2.17	-114.84	791.44	-1,050.22	1,315.78	1,310.97	4.80	273.858		
900.00	899.84	888.51	888.28	2.99	2.52	-114.76	796.00	-1,046.92	1,318.08	1,312.57	5.51	239.032		
1,000.00	999.45	991.78	991.26	3.35	2.89	-114.72	802.00	-1,042.33	1,321.68	1,315.43	6.24	211.704		
1,100.00	1,098.70	1,086.57	1,085.50	3.73	3.24	-114.65	810.03	-1,036.19	1,326.71	1,319.75	6.96	190.605		
1,200.00	1,197.47	1,231.30	1,229.21	4.11	3.79	-114.72	821.98	-1,023.98	1,331.40	1,323.51	7.89	168.844		
1,300.00	1,295.62	1,318.72	1,316.00	4.53	4.13	-114.83	828.51	-1,015.73	1,336.44	1,327.81	8.62	154.967		
1,400.00	1,393.06	1,396.64	1,393.08	4.97	4.44	-114.89	836.89	-1,008.12	1,344.58	1,335.22	9.36	143.662		
1,500.00	1,489.64	1,478.80	1,473.68	5.44	4.79	-114.84	849.60	-998.52	1,355.49	1,345.33	10.16	133.467		
1,600.00	1,585.27	1,558.77	1,551.64	5.95	5.14	-114.74	864.54	-988.86	1,369.37	1,358.38	10.99	124.601		
1,700.00	1,679.82	1,656.03	1,646.70	6.51	5.58	-114.80	881.98	-978.03	1,385.09	1,373.15	11.94	115.965		
1,800.00	1,773.17	1,733.86	1,723.07	7.13	5.92	-114.92	895.22	-970.97	1,403.43	1,390.60	12.84	109.317		
1,900.00	1,865.21	1,864.58	1,851.40	7.79	6.50	-115.48	916.94	-958.86	1,423.15	1,409.12	14.03	101.438		
2,000.00	1,955.84	1,956.79	1,942.06	8.51	6.92	-115.88	930.73	-949.20	1,442.63	1,427.55	15.08	95.683		
2,100.00	2,044.94	2,054.45	2,038.15	9.30	7.35	-116.42	945.57	-940.03	1,464.91	1,448.72	16.19	90.475		
2,200.00	2,132.39	2,198.27	2,179.49	10.15	8.00	-117.50	965.92	-923.05	1,486.46	1,468.88	17.57	84.586		
2,300.00	2,218.11	2,275.12	2,254.97	11.07	8.35	-117.94	976.65	-913.39	1,509.52	1,490.85	18.68	80.824		
2,400.00	2,301.97	2,349.27	2,327.80	12.06	8.69	-118.36	987.55	-904.72	1,535.78	1,515.98	19.80	77.567		
2,500.00	2,383.88	2,419.65	2,396.94	13.11	9.02	-118.72	998.37	-897.21	1,565.34	1,544.41	20.93	74.787		
2,512.74	2,394.17	2,428.49	2,405.62	13.25	9.06	-118.77	999.76	-896.32	1,569.35	1,548.28	21.08	74.461		
2,600.00	2,464.54	2,495.35	2,471.36	14.22	9.36	-119.67	1,010.20	-889.97	1,597.55	1,575.46	22.10	72.298		
2,700.00	2,545.18	2,572.21	2,547.04	15.35	9.71	-120.69	1,021.85	-883.40	1,631.10	1,607.84	23.26	70.132		
2,800.00	2,625.82	2,647.45	2,621.21	16.50	10.04	-121.68	1,033.13	-877.63	1,665.96	1,641.56	24.39	68.294		
2,900.00	2,706.45	2,734.27	2,706.66	17.65	10.43	-122.75	1,047.04	-871.14	1,701.97	1,676.38	25.59	66.502		
3,000.00	2,787.09	2,848.79	2,818.96	18.82	10.97	-124.04	1,067.01	-860.90	1,737.88	1,710.91	26.97	64.436		
3,100.00	2,867.73	3,006.64	2,973.43	19.99	11.72	-125.69	1,093.17	-841.73	1,770.97	1,742.37	28.60	61.919		
3,200.00	2,948.37	3,084.23	3,049.27	21.17	12.10	-126.46	1,105.78	-831.29	1,803.65	1,773.90	29.75	60.629		
3,300.00	3,029.01	3,196.69	3,159.71	22.36	12.62	-127.61	1,122.12	-817.74	1,837.55	1,806.48	31.06	59.156		
3,400.00	3,109.65	3,313.78	3,274.40	23.55	13.18	-128.75	1,138.61	-800.89	1,869.53	1,837.14	32.39	57.720		
3,500.00	3,190.29	3,375.66	3,335.15	24.74	13.47	-129.36	1,146.74	-792.40	1,902.32	1,868.93	33.39	56.977		
3,600.00	3,270.93	3,442.59	3,401.08	25.94	13.77	-130.03	1,154.93	-784.36	1,936.75	1,902.36	34.38	56.329		
3,700.00	3,351.57	3,513.89	3,471.23	27.14	14.10	-130.69	1,164.77	-776.20	1,972.50	1,937.11	35.39	55.733		
3,800.00	3,432.21	3,591.52	3,547.46	28.35	14.46	-131.37	1,176.69	-767.61	2,009.34	1,972.90	36.44	55.144		
3,900.00	3,512.85	3,685.72	3,639.95	29.56	14.91	-132.16	1,191.19	-757.19	2,046.53	2,008.94	37.58	54.456		
4,000.00	3,593.49	3,787.90	3,740.09	30.76	15.39	-132.95	1,207.85	-745.64	2,084.05	2,045.28	38.78	53.744		
4,100.00	3,674.13	3,882.61	3,832.80	31.97	15.85	-133.66	1,223.01	-733.58	2,120.47	2,080.55	39.92	53.121		
4,200.00	3,754.77	3,934.71	3,883.94	33.19	16.09	-134.06	1,231.10	-727.77	2,158.48	2,117.72	40.76	52.960		
4,300.00	3,835.41	4,014.86	3,962.81	34.40	16.46	-134.66	1,243.19	-720.13	2,198.05	2,156.29	41.76	52.639		
4,400.00	3,916.05	4,109.20	4,055.65	35.62	16.90	-135.36	1,257.01	-710.73	2,237.45	2,194.62	42.84	52.231		
4,500.00	3,996.69	4,196.03	4,140.93	36.83	17.30	-135.96	1,270.78	-701.98	2,277.22	2,233.34	43.88	51.901		
4,600.00	4,077.33	4,271.79	4,215.25	38.05	17.66	-136.45	1,283.37	-694.35	2,317.36	2,272.52	44.84	51.684		
4,700.00	4,157.96	4,372.25	4,314.00	39.27	18.13	-137.10	1,299.31	-685.02	2,358.31	2,312.36	45.95	51.318		
4,800.00	4,238.60	4,521.74	4,460.29	40.49	18.85	-137.97	1,324.55	-667.63	2,397.38	2,349.94	47.44	50.537		
4,900.00	4,319.24	4,605.22	4,541.68	41.71	19.27	-138.41	1,339.55	-656.72	2,435.61	2,387.14	48.47	50.248		
5,000.00	4,399.88	4,650.99	4,586.42	42.93	19.50	-138.65	1,347.60	-651.38	2,475.18	2,425.97	49.21	50.297		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1G-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 318-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,480.52	4,733.92	4,667.65	44.15	19.90	-139.09	1,362.02	-642.99	2,516.21	2,466.01	50.21	50.118		
5,200.00	4,561.16	4,886.62	4,817.28	45.37	20.64	-139.90	1,386.76	-625.16	2,555.82	2,504.13	51.68	49.453		
5,300.00	4,641.80	4,968.09	4,896.97	46.59	21.03	-140.31	1,399.97	-614.69	2,594.62	2,541.97	52.65	49.282		
5,400.00	4,722.44	5,033.00	4,960.57	47.82	21.35	-140.64	1,410.51	-607.06	2,634.47	2,580.98	53.49	49.252		
5,500.00	4,803.08	5,081.53	5,008.25	49.04	21.57	-140.89	1,418.01	-601.99	2,675.53	2,621.35	54.18	49.380		
5,600.00	4,883.72	5,182.42	5,107.72	50.27	22.03	-141.43	1,431.94	-592.50	2,717.65	2,662.43	55.22	49.215		
5,700.00	4,964.36	5,290.19	5,213.98	51.49	22.51	-142.01	1,445.75	-581.01	2,758.63	2,702.35	56.28	49.017		
5,800.00	5,045.00	5,434.20	5,355.74	52.71	23.17	-142.74	1,464.72	-564.24	2,799.05	2,741.47	57.59	48.606		
5,900.00	5,125.64	5,515.05	5,434.95	53.94	23.56	-143.11	1,476.81	-553.51	2,838.25	2,779.76	58.50	48.520		
6,000.00	5,206.28	5,567.00	5,486.01	55.17	23.80	-143.35	1,484.23	-547.40	2,878.79	2,819.60	59.19	48.636		
6,100.00	5,286.92	5,655.32	5,572.89	56.39	24.21	-143.75	1,496.71	-537.61	2,920.11	2,859.98	60.13	48.567		
6,200.00	5,367.56	5,762.16	5,677.95	57.62	24.71	-144.22	1,511.71	-525.27	2,961.12	2,899.93	61.19	48.394		
6,300.00	5,448.20	5,860.97	5,775.14	58.84	25.17	-144.65	1,525.13	-513.55	3,001.96	2,939.77	62.18	48.277		
6,400.00	5,528.84	5,923.00	5,836.05	60.07	25.46	-144.90	1,533.99	-505.85	3,042.65	2,979.72	62.92	48.354		
6,500.00	5,609.47	5,982.32	5,894.41	61.30	25.73	-145.15	1,542.18	-499.06	3,084.30	3,020.67	63.63	48.474		
6,600.00	5,690.11	6,036.63	5,948.06	62.53	25.97	-145.39	1,548.87	-493.98	3,127.57	3,063.29	64.27	48.662		
6,700.00	5,770.75	6,139.32	6,049.44	63.75	26.43	-145.82	1,562.11	-484.35	3,171.04	3,105.78	65.26	48.588		
6,800.00	5,851.39	6,239.39	6,148.12	64.98	26.88	-146.22	1,575.49	-474.56	3,214.28	3,148.03	66.25	48.521		
6,900.00	5,932.03	6,349.12	6,256.33	66.21	27.37	-146.64	1,589.86	-463.32	3,257.21	3,189.92	67.29	48.405		
7,000.00	6,012.67	6,494.30	6,399.31	67.44	28.03	-147.19	1,608.86	-446.78	3,299.24	3,230.66	68.58	48.106		
7,100.00	6,093.31	6,585.62	6,489.08	68.66	28.45	-147.52	1,620.98	-435.18	3,340.15	3,270.65	69.50	48.063		
7,200.00	6,173.95	6,643.18	6,545.79	69.89	28.72	-147.73	1,628.02	-428.35	3,381.89	3,311.73	70.16	48.205		
7,300.00	6,254.59	6,716.93	6,618.60	71.12	29.04	-148.01	1,636.32	-420.08	3,424.32	3,353.41	70.91	48.294		
7,400.00	6,335.23	7,213.50	7,101.68	72.35	30.74	-151.04	1,616.42	-334.86	3,458.95	3,386.33	72.62	47.631		
7,500.00	6,415.87	7,261.00	7,145.58	73.58	30.81	-151.53	1,600.63	-325.98	3,493.54	3,420.66	72.87	47.939		
7,600.00	6,496.51	7,261.00	7,145.58	74.81	30.81	-151.53	1,600.63	-325.98	3,529.06	3,455.82	73.24	48.183		
7,700.00	6,577.15	7,261.00	7,145.58	76.04	30.81	-151.53	1,600.63	-325.98	3,567.03	3,493.47	73.56	48.492		
7,800.00	6,657.79	7,261.00	7,145.58	77.27	30.81	-151.53	1,600.63	-325.98	3,607.37	3,533.55	73.83	48.862		
7,900.00	6,738.43	7,261.00	7,145.58	78.50	30.81	-151.53	1,600.63	-325.98	3,650.01	3,575.96	74.05	49.291		
8,000.00	6,819.07	7,306.43	7,187.03	79.73	30.84	-152.03	1,583.16	-319.71	3,693.63	3,619.51	74.12	49.835		
8,100.00	6,899.71	7,350.00	7,226.12	80.96	30.86	-152.54	1,564.40	-315.47	3,740.15	3,666.00	74.15	50.441		
8,200.00	6,980.35	7,350.00	7,226.12	82.18	30.86	-152.54	1,564.40	-315.47	3,787.62	3,713.34	74.28	50.990		
8,240.58	7,013.07	7,350.00	7,226.12	82.68	30.86	-152.54	1,564.40	-315.47	3,807.47	3,733.14	74.32	51.228		
8,250.00	7,020.68	7,350.00	7,226.12	82.80	30.86	-154.26	1,564.40	-315.47	3,812.13	3,737.79	74.33	51.284		
8,300.00	7,061.63	7,350.00	7,226.12	83.40	30.86	-163.91	1,564.40	-315.47	3,837.25	3,762.87	74.38	51.592		
8,350.00	7,103.23	7,369.35	7,243.21	83.97	30.86	-174.40	1,555.45	-314.00	3,862.80	3,788.44	74.35	51.953		
8,400.00	7,145.18	7,390.87	7,261.98	84.51	30.85	174.76	1,545.03	-312.42	3,888.45	3,814.14	74.31	52.330		
8,450.00	7,187.16	7,412.95	7,280.96	85.01	30.85	163.95	1,533.86	-310.85	3,913.97	3,839.73	74.25	52.717		
8,500.00	7,228.84	7,439.00	7,302.97	85.46	30.85	153.52	1,520.04	-309.08	3,939.17	3,865.01	74.16	53.120		
8,550.00	7,269.91	7,457.98	7,318.73	85.86	30.83	143.83	1,509.54	-307.85	3,963.82	3,889.74	74.08	53.510		
8,600.00	7,310.05	7,480.69	7,337.24	86.20	30.82	135.00	1,496.47	-306.44	3,987.73	3,913.76	73.97	53.910		
8,650.00	7,348.97	7,503.75	7,355.65	86.50	30.80	127.14	1,482.64	-305.08	4,010.73	3,936.87	73.86	54.305		
8,700.00	7,386.36	7,528.00	7,374.56	86.74	30.79	120.22	1,467.52	-303.74	4,032.63	3,958.90	73.73	54.694		
8,750.00	7,421.94	7,528.00	7,374.56	86.93	30.79	114.21	1,467.52	-303.74	4,053.41	3,979.68	73.72	54.981		
8,800.00	7,455.44	7,563.17	7,401.16	87.07	30.75	109.03	1,444.59	-302.03	4,072.66	3,999.11	73.55	55.376		
8,850.00	7,486.61	7,581.29	7,414.49	87.16	30.73	104.59	1,432.33	-301.30	4,090.53	4,017.07	73.46	55.683		
8,900.00	7,515.20	7,617.00	7,439.95	87.20	30.69	100.86	1,407.32	-300.16	4,106.91	4,033.62	73.29	56.037		
8,950.00	7,541.00	7,617.00	7,439.95	87.21	30.69	97.64	1,407.32	-300.16	4,121.40	4,048.06	73.34	56.199		
9,000.00	7,563.81	7,617.00	7,439.95	87.17	30.69	94.93	1,407.32	-300.16	4,134.31	4,060.91	73.40	56.323		
9,050.00	7,583.47	7,617.00	7,439.95	87.10	30.69	92.70	1,407.32	-300.16	4,145.55	4,072.06	73.50	56.405		
9,100.00	7,599.81	7,652.99	7,464.46	87.00	30.63	91.11	1,380.98	-299.62	4,154.46	4,081.06	73.41	56.596		
9,150.00	7,612.72	7,664.52	7,472.05	86.88	30.61	89.82	1,372.29	-299.62	4,161.74	4,088.25	73.49	56.633		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1G-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 318-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,622.09	7,675.84	7,479.37	86.72	30.59	88.93	1,363.67	-299.70	4,167.07	4,093.47	73.60	56.619		
9,250.00	7,627.87	7,707.00	7,498.87	86.55	30.54	88.57	1,339.37	-300.34	4,170.61	4,097.00	73.61	56.659		
9,303.98	7,630.00	7,707.00	7,498.87	86.35	30.54	88.35	1,339.37	-300.34	4,171.86	4,097.98	73.88	56.468		
9,400.00	7,630.00	7,707.00	7,498.87	85.99	30.54	88.35	1,339.37	-300.34	4,173.27	4,098.86	74.41	56.085		
9,500.00	7,630.00	7,750.73	7,524.47	85.62	30.45	88.70	1,303.97	-302.09	4,176.43	4,101.75	74.67	55.930		
9,600.00	7,630.00	7,796.00	7,548.66	85.28	30.36	89.03	1,265.81	-304.80	4,181.55	4,106.63	74.92	55.813		
9,700.00	7,630.00	8,214.29	7,669.04	84.95	29.53	90.69	869.04	-311.40	4,180.34	4,107.86	72.49	57.671		
9,800.00	7,630.00	8,300.82	7,675.47	84.64	29.43	90.77	782.76	-310.37	4,178.93	4,106.31	72.62	57.543		
9,900.00	7,630.00	8,508.00	7,680.32	84.34	30.12	90.84	575.72	-305.43	4,175.96	4,103.40	72.56	57.555		
10,000.00	7,630.00	8,565.65	7,681.15	84.06	30.50	90.85	518.12	-303.37	4,172.37	4,099.27	73.10	57.079		
10,100.00	7,630.00	8,611.72	7,681.61	83.80	30.82	90.86	472.06	-302.67	4,170.41	4,096.73	73.69	56.595		
10,200.00	7,630.00	8,686.00	7,682.16	83.56	31.36	90.87	397.78	-301.87	4,169.09	4,094.75	74.35	56.077		
10,261.65	7,630.00	8,714.47	7,682.32	83.41	31.58	90.87	369.32	-301.77	4,168.77	4,093.98	74.79	55.742		
10,300.00	7,630.00	8,726.94	7,682.39	83.33	31.68	90.87	356.84	-301.85	4,168.89	4,093.85	75.04	55.553		
10,400.00	7,630.00	8,775.00	7,682.58	83.12	32.06	90.87	308.80	-302.88	4,170.42	4,094.64	75.78	55.037		
10,500.00	7,630.00	8,813.13	7,682.79	82.92	32.38	90.88	270.69	-304.23	4,173.26	4,096.72	76.54	54.526		
10,600.00	7,630.00	8,890.24	7,683.84	82.75	33.03	90.89	193.65	-307.30	4,176.92	4,099.47	77.46	53.925		
10,700.00	7,630.00	8,976.83	7,685.78	82.59	33.81	90.92	107.17	-311.09	4,180.99	4,102.47	78.52	53.249		
10,800.00	7,630.00	9,189.54	7,690.64	82.45	35.92	90.98	-105.35	-318.34	4,184.37	4,103.80	80.57	51.936		
10,900.00	7,630.00	9,339.33	7,690.89	82.33	37.56	90.98	-255.12	-320.19	4,185.26	4,102.73	82.53	50.713		
11,000.00	7,630.00	9,455.85	7,689.38	82.22	38.91	90.96	-371.63	-320.84	4,185.46	4,101.09	84.37	49.608		
11,100.00	7,630.00	9,576.32	7,687.30	82.14	40.36	90.94	-492.07	-320.90	4,185.14	4,098.75	86.40	48.441		
11,200.00	7,630.00	9,663.78	7,685.22	82.08	41.45	90.91	-579.51	-320.89	4,184.75	4,096.61	88.15	47.475		
11,300.00	7,630.00	9,805.53	7,684.02	82.04	43.28	90.89	-721.25	-320.40	4,184.08	4,093.36	90.72	46.120		
11,400.00	7,630.00	9,932.78	7,684.04	82.02	44.98	90.89	-848.48	-318.75	4,182.43	4,089.18	93.25	44.851		
11,500.00	7,630.00	10,098.60	7,682.32	82.03	47.27	90.87	-1,014.25	-314.96	4,179.81	4,083.28	96.53	43.301		
11,600.00	7,630.00	10,157.01	7,681.28	82.06	48.09	90.85	-1,072.63	-313.34	4,176.75	4,078.57	98.18	42.543		
11,700.00	7,630.00	10,217.00	7,680.82	82.12	48.94	90.85	-1,132.61	-312.46	4,174.86	4,074.99	99.87	41.801		
11,800.00	7,630.00	10,309.41	7,680.22	82.21	50.27	90.84	-1,225.01	-311.22	4,173.20	4,071.04	102.16	40.848		
11,900.00	7,630.00	10,355.70	7,680.47	82.33	50.94	90.84	-1,271.30	-311.06	4,172.51	4,068.84	103.67	40.248		
11,903.33	7,630.00	10,357.24	7,680.49	82.33	50.96	90.84	-1,272.84	-311.06	4,172.51	4,068.79	103.72	40.228		
12,000.00	7,630.00	10,442.95	7,682.03	82.48	52.20	90.87	-1,358.54	-311.67	4,172.87	4,066.92	105.95	39.385		
12,100.00	7,630.00	10,543.17	7,683.56	82.66	53.68	90.89	-1,458.74	-312.18	4,173.06	4,064.55	108.52	38.455		
12,200.00	7,630.00	10,670.19	7,684.69	82.88	55.57	90.90	-1,585.75	-312.51	4,173.01	4,061.34	111.66	37.371		
12,300.00	7,630.00	10,759.43	7,684.28	83.14	56.91	90.90	-1,674.99	-312.44	4,172.60	4,058.49	114.11	36.566		
12,313.70	7,630.00	10,767.64	7,684.27	83.18	57.04	90.90	-1,683.20	-312.46	4,172.59	4,058.22	114.37	36.483		
12,400.00	7,630.00	10,824.00	7,684.80	83.44	57.89	90.90	-1,739.56	-312.90	4,172.96	4,056.87	116.09	35.946		
12,500.00	7,630.00	11,088.21	7,687.25	83.79	61.97	90.94	-2,003.73	-310.56	4,171.82	4,049.49	122.33	34.102		
12,600.00	7,630.00	11,122.48	7,687.38	84.18	62.50	90.94	-2,037.98	-309.81	4,169.36	4,045.61	123.75	33.692		
12,700.00	7,630.00	11,181.00	7,687.98	84.61	63.42	90.95	-2,096.50	-309.92	4,168.81	4,043.12	125.69	33.167		
12,726.98	7,630.00	11,181.00	7,687.98	84.74	63.42	90.95	-2,096.50	-309.92	4,168.72	4,042.85	125.87	33.120		
12,800.00	7,630.00	11,194.29	7,688.16	85.10	63.62	90.95	-2,109.78	-310.14	4,169.33	4,042.71	126.62	32.928		
12,900.00	7,630.00	11,283.03	7,688.92	85.64	65.01	90.96	-2,198.51	-311.88	4,170.96	4,041.73	129.23	32.275		
13,000.00	7,630.00	11,484.21	7,696.40	86.22	68.19	91.06	-2,399.52	-313.69	4,171.73	4,037.22	134.51	31.015		
13,100.00	7,630.00	11,644.17	7,699.26	86.86	70.76	91.10	-2,559.44	-311.72	4,170.14	4,031.25	138.89	30.025		
13,200.00	7,630.00	11,715.00	7,699.15	87.56	71.91	91.10	-2,630.26	-310.40	4,168.05	4,026.84	141.21	29.517		
13,300.00	7,630.00	11,775.12	7,698.52	88.30	72.88	91.09	-2,690.37	-309.75	4,166.80	4,023.53	143.27	29.083		
13,349.72	7,630.00	11,804.00	7,698.13	88.69	73.35	91.09	-2,719.24	-309.84	4,166.73	4,022.46	144.27	28.881		
13,400.00	7,630.00	11,822.17	7,697.87	89.10	73.64	91.08	-2,737.41	-310.01	4,166.96	4,021.95	145.01	28.736		
13,500.00	7,630.00	11,875.61	7,697.23	89.94	74.50	91.08	-2,790.84	-310.91	4,168.29	4,021.39	146.90	28.376		
13,600.00	7,630.00	11,957.14	7,696.12	90.84	75.82	91.06	-2,872.33	-313.04	4,170.51	4,021.04	149.47	27.902		
13,700.00	7,630.00	12,026.84	7,694.63	91.78	76.94	91.04	-2,941.99	-315.09	4,173.12	4,021.37	151.75	27.500		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1G-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 318-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
13,800.00	7,630.00	12,113.64	7,693.95	92.77	78.34	91.03	-3,028.72	-318.43	4,176.57	4,022.09	154.48	27.037		
13,900.00	7,630.00	12,298.41	7,696.15	93.79	81.35	91.06	-3,213.41	-323.05	4,178.62	4,018.87	159.75	26.157		
14,000.00	7,630.00	12,372.36	7,695.73	94.86	82.56	91.05	-3,287.34	-324.40	4,180.14	4,017.94	162.20	25.772		
14,100.00	7,630.00	12,428.00	7,695.80	95.97	83.47	91.05	-3,342.96	-325.97	4,182.64	4,018.47	164.17	25.477		
14,200.00	7,630.00	12,674.07	7,697.22	97.11	87.54	91.07	-3,588.95	-329.97	4,183.96	4,012.82	171.14	24.448		
14,300.00	7,630.00	12,801.44	7,698.79	98.28	89.66	91.09	-3,716.31	-329.13	4,182.95	4,007.90	175.05	23.896		
14,400.00	7,630.00	12,873.00	7,700.71	99.48	90.86	91.12	-3,787.84	-328.95	4,182.34	4,004.82	177.52	23.560		
14,418.38	7,630.00	12,873.00	7,700.71	99.71	90.86	91.12	-3,787.84	-328.95	4,182.30	4,004.67	177.63	23.545		
14,500.00	7,630.00	12,942.73	7,703.72	100.72	92.03	91.16	-3,857.50	-329.24	4,182.43	4,002.48	179.95	23.242		
14,600.00	7,630.00	13,111.12	7,710.79	101.97	94.86	91.26	-4,025.75	-329.17	4,182.31	3,997.29	185.02	22.604		
14,700.00	7,630.00	13,231.80	7,714.38	103.26	96.89	91.31	-4,146.36	-327.38	4,180.51	3,991.68	188.83	22.139		
14,800.00	7,630.00	13,338.88	7,716.50	104.56	98.71	91.34	-4,253.40	-325.56	4,178.53	3,986.23	192.29	21.730		
14,900.00	7,630.00	13,437.54	7,718.06	105.89	100.38	91.36	-4,352.04	-323.96	4,176.60	3,981.06	195.54	21.360		
15,000.00	7,630.00	13,585.09	7,720.19	107.24	102.89	91.39	-4,499.52	-320.18	4,173.59	3,973.50	200.09	20.858		
15,100.00	7,630.00	13,674.31	7,721.17	108.60	104.41	91.40	-4,588.70	-317.78	4,170.59	3,967.48	203.11	20.534		
15,200.00	7,630.00	13,741.80	7,721.88	109.98	105.56	91.41	-4,656.17	-316.26	4,168.06	3,962.52	205.54	20.278		
15,300.00	7,630.00	13,801.67	7,722.58	111.38	106.58	91.42	-4,716.03	-315.48	4,166.46	3,958.69	207.76	20.054		
15,400.00	7,630.00	13,860.09	7,723.30	112.79	107.58	91.43	-4,774.45	-315.30	4,165.84	3,955.91	209.92	19.845		
15,402.70	7,630.00	13,861.67	7,723.32	112.83	107.60	91.43	-4,776.02	-315.30	4,165.84	3,955.85	209.98	19.839		
15,500.00	7,630.00	13,922.09	7,724.10	114.22	108.63	91.45	-4,836.44	-315.71	4,166.19	3,954.02	212.17	19.636		
15,600.00	7,630.00	14,239.47	7,721.00	115.66	114.05	91.40	-5,153.69	-312.37	4,165.65	3,944.25	221.41	18.815		
15,700.00	7,630.00	14,290.39	7,719.26	117.11	114.92	91.38	-5,204.56	-310.72	4,161.91	3,938.48	223.43	18.627		
15,800.00	7,630.00	14,352.53	7,717.19	118.57	115.99	91.35	-5,266.65	-309.27	4,159.14	3,933.40	225.74	18.424		
15,900.00	7,630.00	14,409.00	7,715.33	120.05	116.96	91.33	-5,323.08	-308.38	4,157.23	3,929.35	227.88	18.243		
16,000.00	7,630.00	14,479.18	7,713.04	121.53	118.16	91.30	-5,393.22	-307.89	4,156.18	3,925.80	230.38	18.041		
16,058.86	7,630.00	14,514.38	7,711.89	122.41	118.76	91.28	-5,428.40	-307.93	4,156.01	3,924.34	231.67	17.939		
16,100.00	7,630.00	14,538.35	7,711.11	123.03	119.17	91.27	-5,452.35	-308.08	4,156.09	3,923.54	232.55	17.872		
16,200.00	7,630.00	14,597.82	7,709.13	124.53	120.19	91.24	-5,511.79	-308.87	4,157.01	3,922.29	234.72	17.711		
16,300.00	7,630.00	14,664.45	7,707.01	126.04	121.32	91.21	-5,578.36	-310.33	4,158.80	3,921.72	237.07	17.542		
16,400.00	7,630.00	14,726.16	7,705.21	127.56	122.37	91.19	-5,640.02	-312.20	4,161.44	3,922.17	239.27	17.392		
16,500.00	7,630.00	14,785.04	7,703.70	129.09	123.37	91.17	-5,698.84	-314.54	4,165.03	3,923.67	241.36	17.256		
16,600.00	7,630.00	14,855.00	7,702.08	130.62	124.55	91.14	-5,768.69	-318.14	4,169.70	3,925.93	243.77	17.105		
16,700.00	7,630.00	14,906.32	7,701.12	132.16	125.41	91.13	-5,819.90	-321.26	4,175.26	3,929.67	245.59	17.001		
16,800.00	7,630.00	14,977.09	7,700.32	133.71	126.61	91.12	-5,890.50	-326.00	4,181.59	3,933.59	248.00	16.861		
16,900.00	7,630.00	15,049.77	7,700.21	135.27	127.83	91.11	-5,962.99	-331.33	4,188.59	3,938.12	250.47	16.723		
17,000.00	7,630.00	15,122.70	7,700.87	136.83	129.05	91.12	-6,035.69	-337.14	4,196.23	3,943.30	252.93	16.590		
17,100.00	7,630.00	15,283.43	7,704.38	138.39	131.76	91.17	-6,195.91	-349.38	4,203.61	3,945.37	258.25	16.278		
17,200.00	7,630.00	15,887.14	7,729.75	139.97	142.15	91.51	-6,798.60	-356.76	4,206.90	3,930.52	276.38	15.221		
17,300.00	7,630.00	15,987.88	7,732.90	141.54	143.91	91.56	-6,899.15	-351.36	4,201.29	3,921.45	279.84	15.013		
17,400.00	7,630.00	16,061.80	7,734.38	143.12	145.20	91.58	-6,972.97	-347.72	4,196.09	3,913.51	282.58	14.849		
17,500.00	7,630.00	16,131.71	7,735.52	144.71	146.42	91.59	-7,042.80	-344.78	4,191.60	3,906.39	285.21	14.696		
17,600.00	7,630.00	16,201.15	7,736.61	146.30	147.64	91.61	-7,112.19	-342.36	4,187.82	3,900.01	287.81	14.551		
17,700.00	7,630.00	16,267.39	7,737.65	147.90	148.79	91.63	-7,178.40	-340.56	4,184.81	3,894.51	290.31	14.415		
17,800.00	7,630.00	16,336.56	7,738.75	149.50	149.99	91.64	-7,247.55	-339.22	4,182.58	3,889.72	292.87	14.281		
17,900.00	7,630.00	16,404.74	7,739.88	151.10	151.18	91.66	-7,315.71	-338.39	4,181.09	3,885.70	295.39	14.155		
18,000.00	7,630.00	16,482.50	7,741.22	152.71	152.53	91.68	-7,393.46	-338.07	4,180.36	3,882.19	298.17	14.020		
18,100.00	7,630.00	16,616.00	7,743.64	154.32	154.85	91.71	-7,526.93	-337.19	4,179.42	3,876.85	302.58	13.813		
18,200.00	7,630.00	16,737.03	7,745.56	155.94	156.96	91.74	-7,647.93	-335.53	4,177.76	3,871.15	306.62	13.625		
18,300.00	7,630.00	16,847.84	7,747.16	157.56	158.89	91.76	-7,758.72	-333.59	4,175.71	3,865.35	310.36	13.454		
18,400.00	7,630.00	16,947.85	7,748.57	159.18	160.64	91.78	-7,858.70	-331.74	4,173.58	3,859.77	313.81	13.300		
18,500.00	7,630.00	17,056.99	7,750.08	160.80	162.54	91.80	-7,967.81	-329.66	4,171.38	3,853.86	317.51	13.138		
18,600.00	7,630.00	17,174.00	7,751.86	162.43	164.59	91.83	-8,084.78	-327.00	4,168.82	3,847.37	321.45	12.969		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b>												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 318-MWD OWSG												<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
18,700.00	7,630.00	17,275.84	7,752.77	164.06	166.37	91.84	-8,186.58	-324.40	4,165.96	3,841.02	324.95	12.820	
18,800.00	7,630.00	17,350.00	7,752.78	165.70	167.66	91.84	-8,260.72	-322.80	4,163.46	3,835.80	327.67	12.706	
18,900.00	7,630.00	17,425.01	7,752.40	167.33	168.97	91.84	-8,335.72	-321.71	4,161.64	3,831.24	330.39	12.596	
19,000.00	7,630.00	17,487.00	7,752.00	168.97	170.05	91.83	-8,397.71	-320.94	4,160.22	3,827.49	332.73	12.503	
19,021.79	7,630.00	17,487.00	7,752.00	169.33	170.05	91.83	-8,397.71	-320.94	4,160.13	3,827.30	332.83	12.499 SF	

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1H-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 140-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	-52.92	786.89	-1,041.02	1,305.00					
100.00	100.00	92.21	92.21	0.13	0.14	-52.91	786.88	-1,040.88	1,304.84	1,304.57	0.27	4,785.651		
200.00	200.00	192.44	192.44	0.49	0.39	-52.90	786.83	-1,040.52	1,304.53	1,303.64	0.89	1,472.643		
300.00	300.00	289.78	289.78	0.85	0.73	-52.91	786.63	-1,040.48	1,304.37	1,302.78	1.58	823.348		
329.31	329.31	318.31	318.31	0.96	0.83	-52.91	786.53	-1,040.54	1,304.36	1,302.57	1.79	729.127 CC		
400.00	400.00	384.09	384.09	1.21	1.06	-52.93	786.41	-1,040.79	1,304.49	1,302.22	2.27	574.326		
500.00	500.00	477.15	477.15	1.57	1.39	-52.93	786.64	-1,041.37	1,305.14	1,302.18	2.95	441.853 ES		
600.00	600.00	570.21	570.20	1.93	1.71	-52.93	787.33	-1,042.21	1,306.31	1,302.67	3.64	359.268		
700.00	700.00	669.72	669.68	2.29	2.06	-52.86	789.56	-1,042.39	1,307.81	1,303.46	4.34	301.288		
800.00	799.98	789.46	789.08	2.64	2.48	-114.33	796.98	-1,037.99	1,309.39	1,304.27	5.12	255.843		
900.00	899.84	932.65	931.12	2.99	3.01	-113.83	809.80	-1,025.30	1,310.01	1,304.01	6.00	218.422		
904.46	904.29	939.23	937.63	3.01	3.03	-113.81	810.39	-1,024.57	1,309.99	1,303.95	6.04	216.927		
1,000.00	999.45	1,026.62	1,024.15	3.35	3.37	-113.58	818.39	-1,015.21	1,310.68	1,303.96	6.72	195.082		
1,100.00	1,098.70	1,121.06	1,117.54	3.73	3.75	-113.39	827.82	-1,004.80	1,313.06	1,305.60	7.46	175.982		
1,200.00	1,197.47	1,222.43	1,217.77	4.11	4.16	-113.30	838.21	-993.82	1,317.15	1,308.89	8.25	159.588		
1,300.00	1,295.62	1,356.53	1,349.88	4.53	4.72	-113.27	853.02	-976.24	1,321.40	1,312.19	9.21	143.433		
1,400.00	1,393.06	1,451.60	1,442.93	4.97	5.15	-113.23	864.96	-960.87	1,325.47	1,315.41	10.06	131.738		
1,500.00	1,489.64	1,530.90	1,520.43	5.44	5.51	-113.21	876.07	-948.22	1,331.99	1,321.11	10.88	122.405		
1,600.00	1,585.27	1,604.87	1,592.67	5.95	5.86	-113.21	887.48	-937.21	1,341.61	1,329.89	11.71	114.536		
1,700.00	1,679.82	1,701.75	1,687.34	6.51	6.31	-113.36	903.22	-923.93	1,354.03	1,341.34	12.69	106.704		
1,800.00	1,773.17	1,829.48	1,812.44	7.13	6.91	-113.85	921.79	-906.07	1,366.75	1,352.90	13.85	98.699		
1,900.00	1,865.21	1,942.12	1,922.99	7.79	7.43	-114.46	935.27	-889.19	1,378.61	1,363.65	14.96	92.125		
2,000.00	1,955.84	2,018.81	1,998.45	8.51	7.78	-114.90	944.01	-878.73	1,393.01	1,377.06	15.95	87.318		
2,100.00	2,044.94	2,095.52	2,073.99	9.30	8.12	-115.37	953.36	-869.18	1,410.61	1,393.63	16.98	83.094		
2,200.00	2,132.39	2,176.55	2,153.78	10.15	8.49	-115.91	963.84	-859.74	1,431.17	1,413.12	18.06	79.262		
2,300.00	2,218.11	2,256.80	2,232.79	11.07	8.85	-116.46	974.79	-850.87	1,454.61	1,435.44	19.17	75.884		
2,400.00	2,301.97	2,399.36	2,372.81	12.06	9.51	-117.83	994.69	-833.04	1,479.30	1,458.66	20.64	71.665		
2,500.00	2,383.88	2,490.73	2,462.45	13.11	9.94	-118.60	1,006.28	-819.62	1,503.82	1,481.93	21.89	68.700		
2,512.74	2,394.17	2,499.53	2,471.08	13.25	9.98	-118.66	1,007.39	-818.40	1,507.19	1,485.15	22.04	68.395		
2,600.00	2,464.54	2,559.30	2,529.85	14.22	10.26	-119.51	1,014.98	-810.54	1,531.24	1,508.21	23.03	66.483		
2,700.00	2,545.18	2,652.75	2,621.83	15.35	10.69	-120.80	1,026.92	-799.18	1,560.36	1,536.08	24.29	64.246		
2,800.00	2,625.82	2,783.61	2,750.13	16.50	11.31	-122.48	1,044.35	-780.30	1,588.61	1,562.87	25.74	61.720		
2,900.00	2,706.45	2,909.74	2,873.66	17.65	11.92	-124.06	1,058.48	-759.14	1,614.52	1,587.38	27.14	59.494		
3,000.00	2,787.09	3,004.13	2,966.06	18.82	12.37	-125.20	1,068.93	-742.95	1,640.94	1,612.57	28.37	57.840		
3,100.00	2,867.73	3,078.86	3,039.01	19.99	12.73	-126.05	1,078.02	-729.53	1,667.73	1,638.24	29.50	56.535		
3,200.00	2,948.37	3,132.00	3,091.23	21.17	12.99	-126.69	1,083.69	-721.50	1,696.92	1,666.43	30.48	55.666		
3,300.00	3,029.01	3,201.56	3,159.73	22.36	13.31	-127.51	1,091.34	-712.14	1,728.22	1,696.71	31.52	54.836		
3,400.00	3,109.65	3,292.62	3,249.14	23.55	13.74	-128.48	1,103.45	-699.85	1,760.72	1,728.05	32.67	53.895		
3,500.00	3,190.29	3,410.02	3,364.04	24.74	14.31	-129.65	1,120.16	-682.50	1,792.88	1,758.90	33.98	52.764		
3,600.00	3,270.93	3,481.97	3,434.44	25.94	14.66	-130.33	1,130.43	-671.76	1,825.28	1,790.26	35.02	52.128		
3,700.00	3,351.57	3,568.62	3,519.28	27.14	15.08	-131.14	1,142.82	-659.26	1,858.54	1,822.42	36.12	51.455		
3,800.00	3,432.21	3,639.81	3,589.11	28.35	15.42	-131.80	1,152.64	-649.48	1,892.68	1,855.57	37.11	51.007		
3,900.00	3,512.85	3,765.95	3,712.90	29.56	16.02	-132.94	1,169.53	-632.11	1,927.14	1,888.74	38.40	50.181		
4,000.00	3,593.49	3,836.06	3,781.57	30.76	16.36	-133.53	1,179.30	-621.88	1,961.28	1,921.91	39.37	49.821		
4,100.00	3,674.13	3,909.83	3,853.91	31.97	16.71	-134.15	1,189.60	-611.83	1,996.59	1,956.26	40.33	49.509		
4,200.00	3,754.77	3,984.64	3,927.54	33.19	17.06	-134.79	1,199.03	-602.49	2,032.95	1,991.68	41.27	49.264		
4,300.00	3,835.41	4,074.07	4,015.72	34.40	17.46	-135.56	1,209.54	-591.97	2,070.13	2,027.86	42.26	48.980		
4,400.00	3,916.05	4,204.60	4,144.00	35.62	18.07	-136.59	1,226.00	-574.38	2,106.15	2,062.63	43.53	48.388		
4,500.00	3,996.69	4,340.05	4,276.37	36.83	18.74	-137.54	1,245.40	-553.18	2,140.88	2,096.03	44.85	47.738		
4,600.00	4,077.33	4,401.74	4,336.66	38.05	19.05	-137.96	1,254.04	-543.40	2,175.65	2,129.95	45.70	47.607		
4,700.00	4,157.96	4,498.47	4,431.34	39.27	19.53	-138.61	1,267.36	-528.75	2,211.28	2,164.53	46.75	47.296		
4,800.00	4,238.60	4,601.40	4,531.97	40.49	20.04	-139.28	1,281.73	-512.58	2,246.64	2,198.79	47.84	46.958		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1H-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 140-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,900.00	4,319.24	4,654.98	4,584.44	41.71	20.30	-139.62	1,289.08	-504.58	2,282.82	2,234.21	48.61	46.965		
5,000.00	4,399.88	4,737.48	4,665.42	42.93	20.69	-140.15	1,299.92	-493.19	2,320.19	2,270.66	49.53	46.844		
5,100.00	4,480.52	4,855.82	4,781.43	44.15	21.26	-140.88	1,315.83	-476.10	2,357.29	2,306.61	50.68	46.509		
5,200.00	4,561.16	4,944.73	4,868.32	45.37	21.71	-141.37	1,328.96	-462.54	2,393.95	2,342.28	51.67	46.333		
5,300.00	4,641.80	5,035.00	4,956.38	46.59	22.16	-141.84	1,342.85	-448.38	2,430.44	2,377.77	52.67	46.147		
5,400.00	4,722.44	5,089.46	5,009.63	47.82	22.43	-142.13	1,350.89	-440.27	2,467.91	2,414.51	53.40	46.218		
5,500.00	4,803.08	5,141.93	5,061.23	49.04	22.68	-142.43	1,357.73	-433.69	2,507.26	2,453.18	54.08	46.364		
5,600.00	4,883.72	5,231.50	5,149.51	50.27	23.08	-142.95	1,368.46	-422.95	2,547.28	2,492.30	54.98	46.329		
5,700.00	4,964.36	5,373.66	5,289.55	51.49	23.73	-143.75	1,385.34	-405.32	2,587.44	2,531.21	56.23	46.019		
5,800.00	5,045.00	5,546.11	5,457.99	52.71	24.60	-144.59	1,408.65	-376.79	2,623.07	2,565.36	57.71	45.455		
5,900.00	5,125.64	5,628.69	5,538.33	53.94	25.02	-144.94	1,421.45	-362.64	2,659.10	2,600.47	58.63	45.355		
6,000.00	5,206.28	5,704.02	5,611.99	55.17	25.40	-145.30	1,430.96	-350.10	2,695.57	2,636.12	59.45	45.338		
6,100.00	5,286.92	5,781.23	5,687.71	56.39	25.77	-145.68	1,439.81	-337.86	2,732.83	2,672.57	60.27	45.347		
6,200.00	5,367.56	5,884.37	5,788.83	57.62	26.27	-146.18	1,451.85	-321.51	2,770.28	2,709.04	61.24	45.237		
6,300.00	5,448.20	5,926.00	5,829.43	58.84	26.48	-146.34	1,458.01	-314.65	2,807.90	2,746.06	61.84	45.409		
6,400.00	5,528.84	5,983.49	5,885.60	60.07	26.76	-146.57	1,466.70	-306.00	2,846.76	2,784.23	62.53	45.525		
6,500.00	5,609.47	6,021.51	5,922.96	61.30	26.95	-146.73	1,471.90	-301.32	2,887.74	2,824.68	63.06	45.796		
6,600.00	5,690.11	6,169.02	6,068.31	62.53	27.62	-147.38	1,489.49	-283.38	2,929.25	2,864.93	64.33	45.537		
6,700.00	5,770.75	6,303.14	6,199.80	63.75	28.26	-147.92	1,506.93	-263.61	2,968.13	2,902.61	65.52	45.300		
6,800.00	5,851.39	6,354.63	6,250.30	64.98	28.51	-148.12	1,513.73	-256.21	3,007.63	2,941.49	66.15	45.470		
6,900.00	5,932.03	6,438.22	6,332.48	66.21	28.90	-148.45	1,524.06	-244.96	3,048.07	2,981.10	66.98	45.510		
7,000.00	6,012.67	6,600.31	6,491.49	67.44	29.68	-149.06	1,544.61	-221.20	3,087.54	3,019.19	68.35	45.173		
7,100.00	6,093.31	6,676.80	6,566.39	68.66	30.06	-149.34	1,554.16	-208.98	3,125.94	3,056.80	69.14	45.214		
7,200.00	6,173.95	6,728.69	6,617.16	69.89	30.31	-149.51	1,561.65	-201.33	3,165.45	3,095.69	69.76	45.374		
7,300.00	6,254.59	6,826.29	6,712.60	71.12	30.80	-149.80	1,576.73	-187.48	3,205.52	3,134.78	70.74	45.312		
7,400.00	6,335.23	7,238.05	7,113.89	72.35	32.62	-151.85	1,590.84	-107.71	3,241.17	3,168.38	72.79	44.526		
7,500.00	6,415.87	7,263.00	7,137.67	73.58	32.71	-152.06	1,586.15	-101.76	3,273.29	3,200.12	73.17	44.736		
7,600.00	6,496.51	7,263.00	7,137.67	74.81	32.71	-152.06	1,586.15	-101.76	3,307.96	3,234.45	73.51	45.002		
7,700.00	6,577.15	7,308.79	7,181.42	76.04	32.83	-152.47	1,576.77	-92.05	3,343.84	3,270.06	73.78	45.321		
7,800.00	6,657.79	7,352.00	7,223.08	77.27	32.94	-152.85	1,567.86	-84.87	3,382.81	3,308.77	74.04	45.689		
7,900.00	6,738.43	7,352.00	7,223.08	78.50	32.94	-152.85	1,567.86	-84.87	3,423.01	3,348.76	74.26	46.096		
8,000.00	6,819.07	7,403.87	7,273.19	79.73	33.05	-153.30	1,556.77	-77.36	3,465.32	3,390.85	74.47	46.533		
8,100.00	6,899.71	7,798.00	7,629.23	80.96	33.72	-157.54	1,412.34	-3.09	3,507.35	3,433.48	73.87	47.480		
8,200.00	6,980.35	7,838.99	7,661.36	82.18	33.75	-158.08	1,388.99	7.00	3,544.67	3,470.74	73.93	47.947		
8,240.58	7,013.07	7,846.55	7,667.14	82.68	33.75	-158.19	1,384.44	8.75	3,560.49	3,486.51	73.99	48.124		
8,250.00	7,020.68	7,848.28	7,668.46	82.80	33.76	-159.81	1,383.39	9.15	3,564.21	3,490.21	74.00	48.166		
8,300.00	7,061.63	7,857.91	7,675.74	83.40	33.76	-168.85	1,377.47	11.33	3,584.14	3,510.08	74.06	48.396		
8,350.00	7,103.23	7,887.00	7,697.24	83.97	33.78	-178.71	1,358.90	17.57	3,604.42	3,530.41	74.01	48.702		
8,400.00	7,145.18	7,887.00	7,697.24	84.51	33.78	171.45	1,358.90	17.57	3,624.41	3,550.31	74.10	48.911		
8,450.00	7,187.16	7,887.00	7,697.24	85.01	33.78	161.60	1,358.90	17.57	3,644.35	3,570.17	74.18	49.128		
8,500.00	7,228.84	7,887.00	7,697.24	85.46	33.78	152.09	1,358.90	17.57	3,664.08	3,589.84	74.25	49.349		
8,550.00	7,269.91	7,887.00	7,697.24	85.86	33.78	143.21	1,358.90	17.57	3,683.46	3,609.16	74.31	49.571		
8,600.00	7,310.05	7,921.55	7,721.68	86.20	33.77	134.94	1,335.41	24.24	3,701.71	3,627.52	74.18	49.901		
8,650.00	7,348.97	7,932.65	7,729.25	86.50	33.77	127.72	1,327.53	26.18	3,719.48	3,645.31	74.17	50.148		
8,700.00	7,386.36	7,943.95	7,736.81	86.74	33.77	121.39	1,319.35	28.07	3,736.35	3,662.19	74.16	50.385		
8,750.00	7,421.94	7,976.00	7,757.43	86.93	33.76	115.83	1,295.29	32.88	3,752.41	3,678.39	74.02	50.692		
8,800.00	7,455.44	7,976.00	7,757.43	87.07	33.76	111.14	1,295.29	32.88	3,766.91	3,692.83	74.08	50.848		
8,850.00	7,486.61	7,976.00	7,757.43	87.16	33.76	107.11	1,295.29	32.88	3,780.31	3,706.16	74.15	50.983		
8,900.00	7,515.20	7,976.00	7,757.43	87.20	33.76	103.68	1,295.29	32.88	3,792.52	3,718.29	74.23	51.092		
8,950.00	7,541.00	7,976.00	7,757.43	87.21	33.76	100.77	1,295.29	32.88	3,803.44	3,729.12	74.33	51.170		
9,000.00	7,563.81	8,017.81	7,782.28	87.17	33.71	98.46	1,262.08	38.00	3,812.16	3,737.97	74.19	51.383		
9,050.00	7,583.47	8,030.77	7,789.47	87.10	33.70	96.56	1,251.38	39.34	3,819.73	3,745.48	74.25	51.445		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1H-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 140-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,100.00	7,599.81	8,065.00	7,807.24	87.00	33.67	95.16	1,222.28	42.28	3,825.89	3,751.71	74.18	51.574		
9,150.00	7,612.72	8,065.00	7,807.24	86.88	33.67	94.05	1,222.28	42.28	3,830.00	3,755.62	74.38	51.492		
9,200.00	7,622.09	8,065.00	7,807.24	86.72	33.67	93.29	1,222.28	42.28	3,832.61	3,757.99	74.61	51.368		
9,250.00	7,627.87	8,065.00	7,807.24	86.55	33.67	92.88	1,222.28	42.28	3,833.68	3,758.81	74.87	51.201		
9,303.98	7,630.00	8,096.75	7,821.87	86.35	33.60	93.04	1,194.18	44.25	3,832.67	3,757.72	74.95	51.135		
9,400.00	7,630.00	8,122.45	7,832.20	85.99	33.56	93.19	1,170.67	45.31	3,830.29	3,754.94	75.35	50.833		
9,488.28	7,630.00	8,154.00	7,842.94	85.66	33.50	93.35	1,141.02	45.95	3,829.71	3,754.06	75.66	50.619		
9,500.00	7,630.00	8,154.00	7,842.94	85.62	33.50	93.35	1,141.02	45.95	3,829.73	3,754.00	75.73	50.570		
9,600.00	7,630.00	8,191.07	7,852.65	85.28	33.41	93.50	1,105.26	45.94	3,830.94	3,754.87	76.06	50.365		
9,700.00	7,630.00	8,243.00	7,860.57	84.95	33.30	93.61	1,053.99	44.79	3,833.68	3,757.44	76.24	50.283		
9,800.00	7,630.00	8,302.58	7,864.25	84.64	33.16	93.67	994.58	42.43	3,837.60	3,761.24	76.36	50.255		
9,900.00	7,630.00	8,386.22	7,865.13	84.34	33.00	93.68	911.05	38.36	3,842.18	3,765.87	76.31	50.351		
10,000.00	7,630.00	8,836.00	7,855.48	84.06	33.61	93.54	461.74	40.65	3,837.15	3,762.07	75.08	51.110		
10,100.00	7,630.00	8,889.39	7,853.67	83.80	33.89	93.51	408.43	43.02	3,832.73	3,757.02	75.71	50.622		
10,200.00	7,630.00	8,925.00	7,852.52	83.56	34.10	93.50	372.85	43.52	3,830.55	3,754.19	76.36	50.165		
10,256.46	7,630.00	8,925.00	7,852.52	83.42	34.10	93.50	372.85	43.52	3,830.14	3,753.41	76.72	49.921		
10,300.00	7,630.00	8,925.00	7,852.52	83.33	34.10	93.50	372.85	43.52	3,830.38	3,753.39	77.00	49.748		
10,400.00	7,630.00	8,982.87	7,850.89	83.12	34.45	93.47	315.00	42.78	3,831.54	3,753.82	77.72	49.297		
10,500.00	7,630.00	9,020.63	7,850.07	82.92	34.70	93.46	277.28	41.41	3,834.63	3,756.19	78.44	48.883		
10,600.00	7,630.00	9,099.98	7,848.40	82.75	35.25	93.43	198.03	37.76	3,838.76	3,759.45	79.31	48.402		
10,700.00	7,630.00	9,233.24	7,845.49	82.59	36.30	93.38	64.94	31.83	3,842.75	3,762.22	80.52	47.722		
10,800.00	7,630.00	9,355.86	7,842.81	82.45	37.38	93.34	-57.57	27.35	3,845.92	3,764.02	81.90	46.959		
10,900.00	7,630.00	9,463.41	7,840.47	82.33	38.40	93.30	-165.04	23.80	3,848.75	3,765.41	83.34	46.180		
11,000.00	7,630.00	9,976.14	7,828.01	82.22	44.28	93.12	-677.00	33.08	3,847.83	3,757.95	89.89	42.808		
11,100.00	7,630.00	10,261.00	7,821.54	82.14	48.12	93.05	-960.31	61.42	3,837.38	3,742.37	95.01	40.390		
11,200.00	7,630.00	10,303.82	7,820.33	82.08	48.73	93.04	-1,002.80	66.55	3,825.17	3,728.86	96.31	39.717		
11,300.00	7,630.00	10,350.00	7,819.01	82.04	49.38	93.02	-1,048.75	70.97	3,814.83	3,717.15	97.68	39.055		
11,400.00	7,630.00	10,350.00	7,819.01	82.02	49.38	93.02	-1,048.75	70.97	3,806.22	3,707.99	98.23	38.747		
11,500.00	7,630.00	10,397.24	7,817.66	82.03	50.04	93.00	-1,095.85	74.21	3,799.26	3,699.63	99.63	38.134		
11,600.00	7,630.00	10,707.00	7,809.35	82.06	54.53	92.90	-1,404.30	99.61	3,790.62	3,684.51	106.11	35.723		
11,700.00	7,630.00	10,744.56	7,808.29	82.12	55.09	92.88	-1,441.67	103.18	3,780.24	3,672.82	107.42	35.190		
11,800.00	7,630.00	10,796.00	7,806.82	82.21	55.86	92.87	-1,492.88	107.87	3,770.86	3,661.84	109.02	34.589		
11,900.00	7,630.00	10,835.25	7,805.70	82.33	56.45	92.85	-1,531.99	110.89	3,762.95	3,652.59	110.37	34.095		
12,000.00	7,630.00	10,885.00	7,804.30	82.48	57.19	92.83	-1,581.66	113.34	3,757.12	3,645.19	111.93	33.566		
12,100.00	7,630.00	10,885.00	7,804.30	82.66	57.19	92.83	-1,581.66	113.34	3,752.84	3,640.40	112.43	33.378		
12,200.00	7,630.00	10,932.67	7,802.96	82.88	57.89	92.81	-1,629.29	114.40	3,750.37	3,636.43	113.94	32.916		
12,299.65	7,630.00	10,974.00	7,801.78	83.14	58.50	92.79	-1,670.61	114.44	3,749.68	3,634.39	115.29	32.523		
12,300.00	7,630.00	10,974.00	7,801.78	83.14	58.50	92.79	-1,670.61	114.44	3,749.68	3,634.39	115.30	32.522		
12,400.00	7,630.00	10,974.00	7,801.78	83.44	58.50	92.79	-1,670.61	114.44	3,751.03	3,635.29	115.73	32.411		
12,500.00	7,630.00	11,029.32	7,800.21	83.79	59.29	92.77	-1,725.89	112.99	3,753.68	3,636.31	117.37	31.982		
12,600.00	7,630.00	11,063.00	7,799.28	84.18	59.78	92.75	-1,759.50	111.18	3,758.48	3,639.96	118.51	31.714		
12,700.00	7,630.00	11,090.82	7,798.54	84.61	60.17	92.74	-1,787.25	109.17	3,765.10	3,645.60	119.50	31.506		
12,800.00	7,630.00	11,122.45	7,797.75	85.10	60.62	92.73	-1,818.73	106.36	3,773.54	3,652.98	120.56	31.300		
12,900.00	7,630.00	11,901.28	7,801.25	85.64	72.46	92.78	-2,594.26	99.17	3,775.68	3,635.82	139.86	26.997		
13,000.00	7,630.00	11,954.00	7,801.57	86.22	73.32	92.78	-2,646.84	103.05	3,767.89	3,626.18	141.71	26.589		
13,100.00	7,630.00	12,026.53	7,802.19	86.86	74.50	92.80	-2,719.21	107.68	3,761.14	3,617.08	144.06	26.108		
13,200.00	7,630.00	12,108.60	7,803.00	87.56	75.84	92.81	-2,801.13	112.70	3,754.75	3,608.09	146.66	25.602		
13,300.00	7,630.00	12,219.24	7,804.02	88.30	77.65	92.83	-2,911.58	119.21	3,748.60	3,598.58	150.01	24.988		
13,400.00	7,630.00	12,324.26	7,804.94	89.10	79.37	92.85	-3,016.39	125.75	3,742.08	3,588.84	153.25	24.418		
13,500.00	7,630.00	12,426.18	7,805.86	89.94	81.06	92.87	-3,118.11	132.09	3,735.58	3,579.16	156.42	23.881		
13,600.00	7,630.00	12,554.54	7,806.89	90.84	83.19	92.90	-3,246.17	140.74	3,728.55	3,568.22	160.32	23.257		
13,700.00	7,630.00	12,756.00	7,807.58	91.78	86.57	92.92	-3,446.85	158.26	3,719.28	3,553.10	166.18	22.381		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1H-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 140-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
13,800.00	7,630.00	12,793.36	7,807.63	92.77	87.20	92.92	-3,484.04	161.81	3,709.80	3,542.08	167.72	22.119		
13,900.00	7,630.00	12,845.00	7,807.89	93.79	88.07	92.93	-3,535.58	165.02	3,702.67	3,533.06	169.61	21.830		
14,000.00	7,630.00	12,845.00	7,807.89	94.86	88.07	92.93	-3,535.58	165.02	3,696.87	3,526.82	170.06	21.739		
14,100.00	7,630.00	12,875.82	7,808.13	95.97	88.57	92.94	-3,566.38	166.03	3,693.34	3,522.04	171.30	21.561		
14,200.00	7,630.00	12,905.05	7,808.38	97.11	89.05	92.94	-3,595.61	166.42	3,691.72	3,519.27	172.45	21.408		
14,300.00	7,630.00	13,121.88	7,809.17	98.28	92.64	92.96	-3,812.38	169.31	3,690.76	3,511.78	178.99	20.620		
14,400.00	7,630.00	13,188.50	7,809.35	99.48	93.75	92.96	-3,878.98	171.27	3,687.47	3,506.22	181.25	20.345		
14,500.00	7,630.00	13,288.12	7,809.80	100.72	95.41	92.97	-3,978.56	173.80	3,684.62	3,500.15	184.47	19.974		
14,600.00	7,630.00	13,342.62	7,810.05	101.97	96.32	92.97	-4,033.05	174.91	3,682.30	3,495.93	186.37	19.758		
14,700.00	7,630.00	13,433.36	7,810.39	103.26	97.83	92.98	-4,123.79	175.67	3,681.11	3,491.77	189.33	19.443		
14,800.00	7,630.00	13,595.52	7,810.97	104.56	100.55	92.99	-4,285.90	179.21	3,678.47	3,484.05	194.42	18.920		
14,900.00	7,630.00	13,670.10	7,810.97	105.89	101.80	92.99	-4,360.46	181.15	3,675.58	3,478.64	196.94	18.664		
15,000.00	7,630.00	13,736.00	7,811.11	107.24	102.91	93.00	-4,426.35	182.05	3,673.80	3,474.61	199.19	18.444		
15,100.00	7,630.00	13,799.21	7,811.43	108.60	103.96	93.00	-4,489.56	182.30	3,672.98	3,471.64	201.34	18.243		
15,167.42	7,630.00	13,843.26	7,811.71	109.53	104.70	93.01	-4,533.61	182.30	3,672.81	3,469.98	202.83	18.108		
15,200.00	7,630.00	13,859.89	7,811.84	109.98	104.98	93.01	-4,550.23	182.19	3,672.93	3,469.53	203.40	18.058		
15,300.00	7,630.00	14,052.22	7,815.07	111.38	108.20	93.06	-4,742.51	182.31	3,672.97	3,463.44	209.53	17.530		
15,400.00	7,630.00	14,129.28	7,816.82	112.79	109.51	93.09	-4,819.54	183.34	3,671.40	3,459.26	212.14	17.307		
15,500.00	7,630.00	14,235.39	7,819.70	114.22	111.30	93.14	-4,925.61	184.48	3,670.15	3,454.51	215.64	17.020		
15,600.00	7,630.00	14,632.18	7,829.75	115.66	118.13	93.31	-5,321.54	205.22	3,665.05	3,437.35	227.70	16.096		
15,700.00	7,630.00	14,676.11	7,830.78	117.11	118.89	93.33	-5,365.30	208.96	3,656.29	3,426.79	229.51	15.931		
15,800.00	7,630.00	14,717.00	7,831.74	118.57	119.60	93.35	-5,406.07	211.91	3,648.98	3,417.80	231.18	15.784		
15,900.00	7,630.00	14,751.04	7,832.53	120.05	120.19	93.36	-5,440.05	213.79	3,643.38	3,410.79	232.60	15.664		
16,000.00	7,630.00	16,000.00	7,834.07	121.53	141.68	93.39	-5,511.12	215.86	3,639.95	3,384.55	255.40	14.252		
16,100.00	7,630.00	15,026.10	7,836.05	123.03	124.94	93.43	-5,714.64	227.97	3,632.77	3,391.20	241.57	15.038		
16,200.00	7,630.00	15,073.00	7,836.36	124.53	125.76	93.44	-5,761.47	230.52	3,626.91	3,383.53	243.38	14.902		
16,300.00	7,630.00	15,102.69	7,836.63	126.04	126.27	93.45	-5,791.13	231.63	3,622.72	3,378.10	244.61	14.810		
16,400.00	7,630.00	15,162.00	7,837.18	127.56	127.28	93.46	-5,850.44	232.58	3,620.49	3,373.78	246.71	14.675		
16,479.07	7,630.00	15,162.00	7,837.18	128.77	127.28	93.46	-5,850.44	232.58	3,619.62	3,372.80	246.82	14.665		
16,500.00	7,630.00	15,162.00	7,837.18	129.09	127.28	93.46	-5,850.44	232.58	3,619.68	3,372.84	246.84	14.664		
16,600.00	7,630.00	15,206.94	7,837.59	130.62	128.04	93.46	-5,895.37	232.08	3,620.79	3,372.45	248.35	14.580		
16,700.00	7,630.00	15,251.00	7,837.97	132.16	128.78	93.47	-5,939.40	230.48	3,623.87	3,374.10	249.77	14.509		
16,800.00	7,630.00	15,284.76	7,838.23	133.71	129.35	93.47	-5,973.11	228.68	3,628.58	3,377.81	250.77	14.470		
16,900.00	7,630.00	15,340.00	7,838.65	135.27	130.26	93.47	-6,028.23	225.10	3,634.71	3,382.22	252.49	14.395		
17,000.00	7,630.00	15,462.49	7,839.64	136.83	132.30	93.48	-6,150.46	217.18	3,640.84	3,384.20	256.64	14.187		
17,100.00	7,630.00	15,538.86	7,840.04	138.39	133.57	93.48	-6,226.65	212.00	3,647.29	3,388.18	259.11	14.076		
17,200.00	7,630.00	15,608.00	7,840.26	139.97	134.71	93.48	-6,295.62	207.14	3,654.13	3,392.81	261.31	13.984		
17,300.00	7,630.00	15,676.67	7,840.67	141.54	135.85	93.48	-6,364.08	201.74	3,661.80	3,398.32	263.48	13.898		
17,400.00	7,630.00	15,697.00	7,840.87	143.12	136.19	93.48	-6,384.32	199.92	3,671.10	3,407.34	263.76	13.918		
17,500.00	7,630.00	16,320.00	7,845.87	144.71	146.63	93.54	-7,002.09	178.21	3,672.89	3,387.66	285.23	12.877		
17,600.00	7,630.00	16,320.00	7,845.87	146.30	146.63	93.54	-7,002.09	178.21	3,670.69	3,385.21	285.48	12.858		
17,630.90	7,630.00	16,320.00	7,845.87	146.80	146.63	93.54	-7,002.09	178.21	3,670.56	3,385.05	285.51	12.856		
17,700.00	7,630.00	16,320.00	7,845.87	147.90	146.63	93.54	-7,002.09	178.21	3,671.21	3,385.68	285.53	12.857		
17,800.00	7,630.00	16,320.00	7,845.87	149.50	146.63	93.54	-7,002.09	178.21	3,674.45	3,389.05	285.40	12.875		
17,900.00	7,630.00	16,359.73	7,845.71	151.10	147.29	93.54	-7,041.78	176.56	3,679.22	3,392.65	286.57	12.839		
18,000.00	7,630.00	16,409.00	7,845.52	152.71	148.11	93.53	-7,090.81	171.81	3,687.30	3,399.27	288.03	12.802		
18,100.00	7,630.00	16,409.00	7,845.52	154.32	148.11	93.53	-7,090.81	171.81	3,696.25	3,408.74	287.51	12.856		
18,200.00	7,630.00	16,447.08	7,845.42	155.94	148.74	93.53	-7,128.59	167.05	3,707.75	3,419.39	288.37	12.858		
18,300.00	7,630.00	16,567.77	7,845.02	157.56	150.72	93.51	-7,248.43	152.70	3,719.24	3,426.69	292.55	12.713		
18,400.00	7,630.00	16,653.20	7,843.72	159.18	152.12	93.48	-7,333.23	142.50	3,730.74	3,435.43	295.31	12.633		
18,500.00	7,630.00	16,783.83	7,840.31	160.80	154.27	93.41	-7,462.89	126.92	3,742.19	3,442.30	299.89	12.478		
18,600.00	7,630.00	16,883.91	7,836.98	162.43	155.92	93.35	-7,562.26	115.54	3,753.02	3,449.77	303.25	12.376		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b>												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 140-MWD OWSG												<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
18,700.00	7,630.00	16,982.51	7,832.91	164.06	157.54	93.28	-7,660.11	104.09	3,764.06	3,457.51	306.55	12.279	
18,800.00	7,630.00	17,096.01	7,827.72	165.70	159.42	93.19	-7,772.78	91.34	3,774.68	3,464.24	310.44	12.159	
18,900.00	7,630.00	17,201.68	7,822.23	167.33	161.17	93.09	-7,877.64	79.61	3,785.17	3,471.14	314.03	12.054	
19,000.00	7,630.00	17,320.17	7,815.58	168.97	163.14	92.98	-7,995.26	66.88	3,795.28	3,477.15	318.12	11.930	
19,021.79	7,630.00	17,342.07	7,814.29	169.33	163.51	92.96	-8,017.01	64.58	3,797.43	3,478.57	318.86	11.909 SF	

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1I-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 318-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	-52.65	786.88	-1,030.94	1,296.97					
100.00	100.00	88.53	88.53	0.13	0.15	-52.65	786.84	-1,030.99	1,296.94	1,296.66	0.28	4,602.572		
200.00	200.00	188.00	188.00	0.49	0.31	-52.66	786.67	-1,031.20	1,297.00	1,296.19	0.81	1,609.529		
300.00	300.00	287.47	287.47	0.85	0.48	-52.68	786.37	-1,031.54	1,297.10	1,295.77	1.33	975.362		
400.00	400.00	385.14	385.14	1.21	0.77	-52.70	786.06	-1,032.00	1,297.28	1,295.31	1.98	655.918		
500.00	500.00	482.01	482.01	1.57	1.11	-52.72	786.05	-1,032.53	1,297.70	1,295.02	2.68	484.099		
600.00	600.00	577.80	577.79	1.93	1.45	-52.71	786.53	-1,033.00	1,298.40	1,295.02	3.37	384.806		
700.00	700.00	736.93	736.81	2.29	1.99	-52.51	788.79	-1,028.51	1,297.04	1,292.76	4.27	303.406		
800.00	799.98	850.19	849.58	2.64	2.39	-114.04	792.97	-1,018.93	1,293.26	1,288.24	5.02	257.433		
900.00	899.84	953.02	951.51	2.99	2.77	-113.74	800.01	-1,007.37	1,290.69	1,284.94	5.76	224.247		
1,000.00	999.45	1,062.49	1,059.38	3.35	3.21	-113.38	810.35	-991.99	1,288.95	1,282.40	6.54	196.949		
1,100.00	1,098.70	1,168.87	1,163.53	3.73	3.67	-112.99	822.86	-974.28	1,288.03	1,280.67	7.36	174.988		
1,130.51	1,128.89	1,201.24	1,195.22	3.84	3.81	-112.90	826.60	-968.81	1,287.93	1,280.32	7.62	169.096 CC		
1,200.00	1,197.47	1,261.96	1,254.50	4.11	4.09	-112.73	834.36	-958.23	1,288.43	1,280.28	8.16	157.934 ES		
1,300.00	1,295.62	1,365.67	1,355.12	4.53	4.59	-112.41	849.94	-938.56	1,290.51	1,281.46	9.05	142.573		
1,400.00	1,393.06	1,446.99	1,433.50	4.97	5.00	-112.14	864.02	-922.11	1,294.40	1,284.51	9.89	130.836		
1,500.00	1,489.64	1,579.38	1,560.94	5.44	5.70	-111.89	887.36	-894.91	1,299.72	1,288.69	11.04	117.752		
1,600.00	1,585.27	1,688.82	1,666.35	5.95	6.29	-111.87	903.79	-870.47	1,303.07	1,290.96	12.11	107.636		
1,700.00	1,679.82	1,790.48	1,764.37	6.51	6.85	-111.99	919.63	-848.67	1,308.86	1,295.68	13.18	99.312		
1,800.00	1,773.17	1,917.80	1,886.70	7.13	7.56	-112.29	938.51	-818.85	1,313.88	1,299.44	14.44	91.010		
1,900.00	1,865.21	1,992.00	1,958.18	7.79	7.97	-112.53	949.42	-802.22	1,320.96	1,305.50	15.46	85.435		
2,000.00	1,955.84	2,094.46	2,057.10	8.51	8.54	-113.02	964.41	-780.13	1,330.26	1,313.59	16.67	79.809		
2,100.00	2,044.94	2,183.83	2,143.38	9.30	9.04	-113.52	977.51	-760.88	1,341.13	1,323.28	17.85	75.128		
2,200.00	2,132.39	2,293.33	2,248.90	10.15	9.65	-114.26	993.47	-736.38	1,352.91	1,333.72	19.19	70.512		
2,300.00	2,218.11	2,369.03	2,322.02	11.07	10.07	-114.77	1,004.37	-720.06	1,367.10	1,346.72	20.38	67.089		
2,400.00	2,301.97	2,438.00	2,388.88	12.06	10.45	-115.25	1,014.61	-706.61	1,385.01	1,363.46	21.55	64.262		
2,500.00	2,383.88	2,503.11	2,452.23	13.11	10.78	-115.72	1,024.47	-695.29	1,406.78	1,384.07	22.72	61.932		
2,512.74	2,394.17	2,511.77	2,460.67	13.25	10.83	-115.78	1,025.79	-693.87	1,409.83	1,386.96	22.87	61.656		
2,600.00	2,464.54	2,570.60	2,518.09	14.22	11.12	-116.61	1,034.84	-684.77	1,431.76	1,407.87	23.89	59.934		
2,700.00	2,545.18	2,700.00	2,701.85	15.35	11.79	-119.12	1,062.48	-650.24	1,454.85	1,429.41	25.44	57.186		
2,800.00	2,625.82	2,865.53	2,803.73	16.50	12.73	-120.38	1,077.37	-625.84	1,474.48	1,447.30	27.18	54.250		
2,900.00	2,706.45	2,980.80	2,914.60	17.65	13.39	-121.72	1,093.09	-598.51	1,493.94	1,465.30	28.64	52.171		
3,000.00	2,787.09	3,052.95	2,984.24	18.82	13.80	-122.56	1,102.41	-582.11	1,514.56	1,484.72	29.84	50.754		
3,100.00	2,867.73	3,140.08	3,068.29	19.99	14.30	-123.54	1,114.49	-562.58	1,536.43	1,505.32	31.11	49.390		
3,200.00	2,948.37	3,203.72	3,129.78	21.17	14.65	-124.24	1,123.68	-549.02	1,559.98	1,527.76	32.22	48.411		
3,300.00	3,029.01	3,310.62	3,233.28	22.36	15.25	-125.39	1,139.15	-527.18	1,584.85	1,551.29	33.56	47.224		
3,400.00	3,109.65	3,381.35	3,301.79	23.55	15.63	-126.15	1,149.18	-512.77	1,610.10	1,575.43	34.67	46.447		
3,500.00	3,190.29	3,480.41	3,397.90	24.74	16.17	-127.18	1,163.22	-493.31	1,636.45	1,600.54	35.91	45.567		
3,600.00	3,270.93	3,551.91	3,467.13	25.94	16.56	-127.88	1,174.07	-479.10	1,663.40	1,626.41	36.99	44.968		
3,700.00	3,351.57	3,672.79	3,584.47	27.14	17.22	-129.07	1,191.41	-455.82	1,691.15	1,652.81	38.33	44.117		
3,800.00	3,432.21	3,740.78	3,650.37	28.35	17.59	-129.71	1,201.33	-442.40	1,718.80	1,679.45	39.35	43.677		
3,900.00	3,512.85	3,877.29	3,782.47	29.56	18.35	-130.93	1,221.74	-414.65	1,746.55	1,705.77	40.78	42.829		
4,000.00	3,593.49	4,011.33	3,911.65	30.76	19.12	-132.10	1,239.96	-383.92	1,771.72	1,729.57	42.16	42.029		
4,100.00	3,674.13	4,083.80	3,981.41	31.97	19.53	-132.71	1,249.57	-366.80	1,796.72	1,753.55	43.17	41.618		
4,200.00	3,754.77	4,141.00	4,036.84	33.19	19.85	-133.21	1,256.93	-354.73	1,824.06	1,780.00	44.07	41.394		
4,300.00	3,835.41	4,243.50	4,136.01	34.40	20.42	-134.04	1,271.67	-333.47	1,852.56	1,807.34	45.22	40.968		
4,400.00	3,916.05	4,285.92	4,177.10	35.62	20.65	-134.37	1,278.09	-325.13	1,882.24	1,836.25	45.99	40.926		
4,500.00	3,996.69	4,351.94	4,241.35	36.83	21.00	-134.88	1,287.88	-313.50	1,914.14	1,867.27	46.88	40.834		
4,600.00	4,077.33	4,502.73	4,387.55	38.05	21.82	-135.97	1,311.76	-285.37	1,945.94	1,897.60	48.34	40.253		
4,700.00	4,157.96	4,635.29	4,515.60	39.27	22.57	-136.90	1,331.16	-257.12	1,975.07	1,925.42	49.65	39.779		
4,800.00	4,238.60	4,736.19	4,612.74	40.49	23.15	-137.58	1,345.78	-234.10	2,002.97	1,952.21	50.76	39.461		
4,900.00	4,319.24	4,825.06	4,698.31	41.71	23.67	-138.16	1,358.90	-213.99	2,031.33	1,979.55	51.79	39.225		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1I-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 318-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	4,399.88	4,944.24	4,813.04	42.93	24.36	-138.92	1,375.97	-186.68	2,059.61	2,006.63	52.98	38.876		
5,100.00	4,480.52	5,023.25	4,889.01	44.15	24.83	-139.41	1,387.41	-168.21	2,087.66	2,033.73	53.93	38.711		
5,200.00	4,561.16	5,087.91	4,951.29	45.37	25.20	-139.80	1,396.95	-153.70	2,116.83	2,062.06	54.78	38.645		
5,300.00	4,641.80	5,155.40	5,016.52	46.59	25.58	-140.20	1,406.86	-139.51	2,147.49	2,091.87	55.62	38.611		
5,400.00	4,722.44	5,238.90	5,097.20	47.82	26.05	-140.67	1,420.17	-122.57	2,179.19	2,122.63	56.57	38.523		
5,500.00	4,803.08	5,329.71	5,185.14	49.04	26.55	-141.20	1,433.33	-104.14	2,210.90	2,153.36	57.54	38.426		
5,600.00	4,883.72	5,396.13	5,249.64	50.27	26.91	-141.58	1,442.61	-91.31	2,243.63	2,185.31	58.32	38.473		
5,700.00	4,964.36	5,469.68	5,321.19	51.49	27.30	-142.00	1,453.03	-77.79	2,277.43	2,218.30	59.13	38.515		
5,800.00	5,045.00	5,631.02	5,477.42	52.71	28.19	-142.85	1,477.20	-45.64	2,309.79	2,249.21	60.58	38.129		
5,900.00	5,125.64	5,709.92	5,553.83	53.94	28.63	-143.27	1,488.03	-29.27	2,341.67	2,280.24	61.43	38.119		
6,000.00	5,206.28	5,784.38	5,626.14	55.17	29.03	-143.67	1,497.90	-14.47	2,374.50	2,312.26	62.23	38.156		
6,100.00	5,286.92	5,913.91	5,751.93	56.39	29.73	-144.35	1,515.06	11.19	2,407.72	2,344.34	63.38	37.986		
6,200.00	5,367.56	6,016.82	5,851.57	57.62	30.31	-144.87	1,528.55	33.14	2,439.47	2,375.11	64.36	37.903		
6,300.00	5,448.20	6,111.03	5,942.70	58.84	30.83	-145.33	1,541.11	53.47	2,471.16	2,405.87	65.28	37.852		
6,400.00	5,528.84	6,178.44	6,008.03	60.07	31.20	-145.66	1,549.79	67.62	2,503.51	2,437.49	66.02	37.920		
6,500.00	5,609.47	6,265.10	6,092.18	61.30	31.67	-146.08	1,560.72	85.21	2,536.66	2,469.79	66.87	37.935		
6,600.00	5,690.11	6,337.94	6,162.81	62.53	32.07	-146.40	1,570.89	99.78	2,570.28	2,502.64	67.64	38.000		
6,700.00	5,770.75	6,472.65	6,293.29	63.75	32.82	-146.96	1,590.61	126.88	2,604.04	2,535.18	68.85	37.820		
6,800.00	5,851.39	6,546.00	6,364.09	64.98	33.23	-147.25	1,601.78	142.46	2,636.81	2,567.15	69.65	37.856		
6,900.00	5,932.03	6,611.66	6,427.69	66.21	33.59	-147.52	1,611.10	155.83	2,670.53	2,600.16	70.37	37.952		
7,000.00	6,012.67	6,761.82	6,573.07	67.44	34.43	-148.11	1,632.53	186.60	2,704.12	2,632.44	71.67	37.728		
7,100.00	6,093.31	7,213.53	7,001.54	68.66	36.93	-150.48	1,660.07	307.58	2,733.43	2,659.83	73.61	37.135		
7,200.00	6,173.95	7,260.00	7,043.69	69.89	37.09	-151.05	1,645.83	320.96	2,755.93	2,682.06	73.87	37.308		
7,300.00	6,254.59	7,260.00	7,043.69	71.12	37.09	-151.05	1,645.83	320.96	2,780.48	2,706.14	74.34	37.402		
7,400.00	6,335.23	7,260.00	7,043.69	72.35	37.09	-151.05	1,645.83	320.96	2,808.38	2,733.66	74.72	37.583		
7,500.00	6,415.87	7,294.58	7,074.95	73.58	37.15	-151.50	1,633.67	329.35	2,838.65	2,763.81	74.84	37.928		
7,600.00	6,496.51	7,311.96	7,090.68	74.81	37.18	-151.74	1,627.25	333.04	2,871.82	2,796.82	75.00	38.291		
7,700.00	6,577.15	7,349.00	7,124.14	76.04	37.24	-152.24	1,612.87	339.75	2,907.93	2,832.92	75.00	38.770		
7,800.00	6,657.79	7,349.00	7,124.14	77.27	37.24	-152.24	1,612.87	339.75	2,945.99	2,870.86	75.14	39.209		
7,900.00	6,738.43	7,349.00	7,124.14	78.50	37.24	-152.24	1,612.87	339.75	2,986.92	2,911.72	75.20	39.718		
8,000.00	6,819.07	7,392.00	7,162.66	79.73	37.27	-152.84	1,594.84	346.07	3,029.74	2,954.70	75.04	40.374		
8,100.00	6,899.71	7,438.00	7,203.18	80.96	37.30	-153.50	1,573.80	351.63	3,075.12	3,000.29	74.83	41.096		
8,200.00	6,980.35	7,438.00	7,203.18	82.18	37.30	-153.50	1,573.80	351.63	3,122.08	3,047.30	74.77	41.753		
8,240.58	7,013.07	7,457.78	7,220.35	82.68	37.30	-153.79	1,564.21	353.75	3,141.78	3,067.12	74.66	42.082		
8,250.00	7,020.68	7,463.25	7,225.07	82.80	37.30	-155.59	1,561.51	354.34	3,146.38	3,071.76	74.63	42.162		
8,300.00	7,061.63	7,493.07	7,250.57	83.40	37.31	-165.58	1,546.39	357.57	3,171.06	3,096.60	74.46	42.587		
8,350.00	7,103.23	7,524.09	7,276.67	83.97	37.31	-176.17	1,529.96	360.94	3,195.93	3,121.64	74.29	43.020		
8,400.00	7,145.18	7,607.60	7,343.92	84.51	37.30	172.36	1,481.53	370.87	3,220.48	3,146.65	73.83	43.620		
8,450.00	7,187.16	7,641.03	7,369.35	85.01	37.29	161.60	1,460.27	375.26	3,244.38	3,170.76	73.62	44.071		
8,500.00	7,228.84	7,669.21	7,389.97	85.46	37.27	151.33	1,441.44	378.95	3,267.80	3,194.37	73.43	44.503		
8,550.00	7,269.91	7,697.82	7,410.13	85.86	37.26	141.77	1,421.48	382.67	3,290.53	3,217.30	73.23	44.933		
8,600.00	7,310.05	7,722.08	7,426.56	86.20	37.24	133.14	1,403.91	385.79	3,312.41	3,239.34	73.06	45.336		
8,650.00	7,348.97	7,745.14	7,441.58	86.50	37.21	125.47	1,386.65	388.67	3,333.30	3,260.40	72.90	45.722		
8,700.00	7,386.36	7,768.56	7,456.20	86.74	37.19	118.76	1,368.58	391.50	3,353.05	3,280.30	72.75	46.093		
8,750.00	7,421.94	7,794.00	7,471.35	86.93	37.17	112.93	1,348.36	394.48	3,371.49	3,298.91	72.58	46.453		
8,800.00	7,455.44	7,794.00	7,471.35	87.07	37.17	107.99	1,348.36	394.48	3,388.63	3,316.01	72.62	46.662		
8,850.00	7,486.61	7,794.00	7,471.35	87.16	37.17	103.74	1,348.36	394.48	3,404.54	3,331.85	72.69	46.838		
8,900.00	7,515.20	7,794.00	7,471.35	87.20	37.17	100.11	1,348.36	394.48	3,419.11	3,346.33	72.78	46.979		
8,950.00	7,541.00	7,829.93	7,491.22	87.21	37.10	97.07	1,318.63	397.89	3,431.26	3,358.66	72.60	47.262		
9,000.00	7,563.81	7,839.24	7,496.03	87.17	37.09	94.55	1,310.69	398.54	3,442.32	3,369.65	72.67	47.369		
9,050.00	7,583.47	7,848.56	7,500.72	87.10	37.07	92.51	1,302.65	399.09	3,451.66	3,378.89	72.77	47.431		
9,100.00	7,599.81	7,883.00	7,516.80	87.00	37.01	90.98	1,272.23	400.28	3,459.71	3,387.04	72.67	47.610		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1I-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 318-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,150.00	7,612.72	7,883.00	7,516.80	86.88	37.01	89.77	1,272.23	400.28	3,465.18	3,392.25	72.93	47.514		
9,200.00	7,622.09	7,883.00	7,516.80	86.72	37.01	88.93	1,272.23	400.28	3,468.93	3,395.70	73.24	47.367		
9,250.00	7,627.87	7,900.42	7,524.31	86.55	36.97	88.55	1,256.51	400.57	3,470.92	3,397.51	73.41	47.282		
9,303.98	7,630.00	7,972.17	7,552.64	86.35	36.81	88.90	1,190.63	402.12	3,470.37	3,397.28	73.09	47.480		
9,400.00	7,630.00	8,005.62	7,564.58	85.99	36.73	89.10	1,159.38	402.72	3,467.57	3,394.03	73.54	47.152		
9,500.00	7,630.00	8,062.00	7,583.41	85.62	36.61	89.41	1,106.24	402.51	3,466.74	3,392.93	73.81	46.970		
9,522.15	7,630.00	8,062.00	7,583.41	85.54	36.61	89.41	1,106.24	402.51	3,466.67	3,392.67	74.00	46.848		
9,600.00	7,630.00	8,102.53	7,596.06	85.28	36.52	89.62	1,067.75	401.83	3,467.34	3,393.07	74.27	46.685		
9,700.00	7,630.00	8,195.88	7,622.01	84.95	36.33	90.05	978.11	400.38	3,468.55	3,394.28	74.28	46.699		
9,800.00	7,630.00	8,294.44	7,638.74	84.64	36.15	90.33	881.05	398.55	3,470.15	3,395.89	74.26	46.728		
9,900.00	7,630.00	8,382.62	7,646.81	84.34	36.03	90.46	793.27	396.94	3,471.73	3,397.33	74.40	46.661		
10,000.00	7,630.00	8,623.83	7,659.96	84.06	35.99	90.68	552.55	395.85	3,472.36	3,398.32	74.04	46.900		
10,100.00	7,630.00	8,721.87	7,660.25	83.80	36.16	90.68	454.53	397.65	3,470.19	3,395.61	74.58	46.529		
10,200.00	7,630.00	8,821.64	7,660.52	83.56	36.45	90.69	354.78	399.39	3,468.11	3,392.83	75.28	46.070		
10,300.00	7,630.00	8,937.77	7,660.50	83.33	36.97	90.69	238.67	401.67	3,465.82	3,389.65	76.17	45.501		
10,400.00	7,630.00	9,023.30	7,660.35	83.12	37.48	90.68	153.16	403.47	3,463.39	3,386.26	77.13	44.902		
10,500.00	7,630.00	9,143.53	7,660.25	82.92	38.34	90.68	32.95	405.89	3,461.06	3,382.67	78.39	44.152		
10,600.00	7,630.00	9,229.33	7,660.15	82.75	39.05	90.68	-52.83	407.70	3,458.60	3,379.00	79.60	43.450		
10,700.00	7,630.00	9,337.89	7,660.12	82.59	40.04	90.68	-161.37	409.91	3,456.23	3,375.13	81.10	42.618		
10,800.00	7,630.00	9,460.19	7,659.64	82.45	41.27	90.67	-283.62	413.18	3,453.20	3,370.31	82.88	41.663		
10,900.00	7,630.00	9,526.68	7,658.21	82.33	41.97	90.65	-350.08	414.91	3,450.30	3,366.12	84.18	40.988		
11,000.00	7,630.00	9,576.00	7,656.92	82.22	42.51	90.63	-399.37	415.53	3,448.72	3,363.42	85.31	40.428		
11,100.00	7,630.00	9,650.39	7,656.51	82.14	43.33	90.62	-473.75	415.67	3,448.23	3,361.45	86.78	39.735		
11,200.00	7,630.00	9,760.73	7,659.36	82.08	44.59	90.67	-584.06	415.43	3,448.15	3,359.32	88.82	38.820		
11,268.35	7,630.00	9,816.99	7,660.77	82.05	45.26	90.69	-640.30	415.33	3,448.05	3,358.04	90.01	38.306		
11,300.00	7,630.00	9,844.93	7,661.40	82.04	45.59	90.70	-668.23	415.23	3,448.07	3,357.48	90.59	38.063		
11,400.00	7,630.00	10,024.22	7,665.66	82.02	47.82	90.78	-847.46	416.48	3,447.10	3,353.11	93.99	36.676		
11,500.00	7,630.00	10,177.70	7,669.36	82.03	49.84	90.84	-1,000.85	420.45	3,444.25	3,347.04	97.21	35.429		
11,600.00	7,630.00	10,199.00	7,669.78	82.06	50.13	90.85	-1,022.13	421.21	3,441.38	3,343.31	98.07	35.090		
11,700.00	7,630.00	10,258.06	7,670.36	82.12	50.92	90.86	-1,081.17	422.28	3,439.77	3,340.13	99.63	34.524		
11,704.87	7,630.00	10,259.59	7,670.36	82.13	50.94	90.86	-1,082.70	422.28	3,439.76	3,340.07	99.69	34.506		
11,800.00	7,630.00	10,300.20	7,670.11	82.21	51.49	90.85	-1,123.30	421.74	3,440.49	3,339.61	100.87	34.107		
11,900.00	7,630.00	10,478.42	7,667.14	82.33	53.92	90.80	-1,301.49	420.88	3,440.49	3,335.66	104.82	32.822		
12,000.00	7,630.00	10,605.73	7,663.79	82.48	55.72	90.75	-1,428.75	422.48	3,438.76	3,330.87	107.89	31.872		
12,100.00	7,630.00	10,750.27	7,659.20	82.66	57.80	90.67	-1,573.19	424.76	3,436.96	3,325.53	111.43	30.843		
12,200.00	7,630.00	10,777.35	7,658.27	82.88	58.19	90.65	-1,600.26	424.96	3,435.29	3,322.87	112.42	30.558		
12,247.70	7,630.00	10,796.57	7,657.59	83.00	58.47	90.64	-1,619.47	424.96	3,435.09	3,322.06	113.03	30.391		
12,300.00	7,630.00	10,823.00	7,656.65	83.14	58.86	90.63	-1,645.88	424.71	3,435.34	3,321.54	113.81	30.186		
12,400.00	7,630.00	10,978.04	7,650.83	83.44	61.13	90.53	-1,800.81	424.20	3,435.30	3,317.56	117.74	29.177		
12,490.35	7,630.00	11,039.62	7,648.26	83.75	62.04	90.49	-1,862.33	424.37	3,434.77	3,315.27	119.50	28.742		
12,500.00	7,630.00	11,044.74	7,648.03	83.79	62.12	90.48	-1,867.45	424.35	3,434.78	3,315.13	119.65	28.706		
12,600.00	7,630.00	11,112.72	7,644.52	84.18	63.13	90.43	-1,935.33	423.50	3,435.57	3,313.97	121.60	28.253		
12,700.00	7,630.00	11,275.52	7,635.05	84.61	65.58	90.27	-2,097.84	422.60	3,435.77	3,309.87	125.90	27.290		
12,754.99	7,630.00	11,304.70	7,633.22	84.87	66.02	90.24	-2,126.97	422.57	3,435.60	3,308.80	126.80	27.095		
12,800.00	7,630.00	11,332.00	7,631.51	85.10	66.44	90.21	-2,154.22	422.40	3,435.71	3,308.11	127.61	26.924		
12,900.00	7,630.00	11,432.58	7,625.14	85.64	67.97	90.10	-2,254.58	421.28	3,436.47	3,306.04	130.44	26.346		
13,000.00	7,630.00	11,504.97	7,620.32	86.22	69.08	90.02	-2,326.82	420.47	3,437.29	3,304.73	132.56	25.930		
13,100.00	7,630.00	11,574.51	7,615.56	86.86	70.15	89.94	-2,396.18	418.99	3,439.08	3,304.47	134.61	25.548		
13,200.00	7,630.00	11,684.51	7,610.49	87.56	71.84	89.86	-2,506.01	416.00	3,441.50	3,303.73	137.78	24.979		
13,300.00	7,630.00	11,838.44	7,603.30	88.30	74.24	89.74	-2,659.76	413.90	3,442.50	3,300.32	142.18	24.212		
13,400.00	7,630.00	11,993.50	7,596.13	89.10	76.69	89.62	-2,814.66	413.96	3,442.20	3,295.53	146.68	23.468		
13,460.40	7,630.00	12,011.23	7,595.28	89.60	76.97	89.61	-2,832.36	413.92	3,441.92	3,294.61	147.31	23.365		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1I-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 318-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
13,500.00	7,630.00	12,028.91	7,594.40	89.94	77.25	89.59	-2,850.02	413.82	3,442.05	3,294.16	147.88	23.276		
13,600.00	7,630.00	12,081.79	7,591.48	90.84	78.08	89.54	-2,902.81	412.85	3,443.48	3,293.93	149.55	23.026		
13,700.00	7,630.00	12,222.30	7,582.70	91.78	80.31	89.40	-3,043.03	410.76	3,444.61	3,290.90	153.71	22.409		
13,800.00	7,630.00	12,324.25	7,577.14	92.77	81.94	89.30	-3,144.82	409.67	3,445.41	3,288.60	156.81	21.972		
13,900.00	7,630.00	12,462.99	7,574.19	93.79	84.18	89.25	-3,283.51	408.86	3,445.70	3,284.66	161.04	21.396		
14,000.00	7,630.00	12,592.42	7,572.77	94.86	86.28	89.23	-3,412.93	409.50	3,444.87	3,279.83	165.04	20.873		
14,100.00	7,630.00	14,100.00	7,571.33	95.97	111.05	89.21	-3,523.02	410.75	3,443.41	3,251.72	191.68	17.964		
14,200.00	7,630.00	12,751.93	7,570.64	97.11	88.88	89.20	-3,572.42	410.96	3,442.65	3,272.51	170.15	20.233		
14,200.93	7,630.00	12,752.39	7,570.63	97.12	88.89	89.19	-3,572.88	410.96	3,442.65	3,272.49	170.16	20.232		
14,300.00	7,630.00	12,812.20	7,569.69	98.28	89.87	89.18	-3,632.68	410.34	3,443.31	3,271.21	172.10	20.007		
14,400.00	7,630.00	12,899.96	7,569.44	99.48	91.29	89.18	-3,720.42	408.78	3,444.74	3,269.84	174.90	19.695		
14,500.00	7,630.00	13,020.90	7,569.45	100.72	93.27	89.18	-3,841.35	406.93	3,445.93	3,267.19	178.75	19.278		
14,600.00	7,630.00	13,172.88	7,569.20	101.97	95.77	89.17	-3,993.32	406.26	3,446.03	3,262.45	183.57	18.772		
14,700.00	7,630.00	13,258.90	7,570.01	103.26	97.19	89.19	-4,079.34	406.52	3,445.41	3,259.03	186.38	18.486		
14,718.07	7,630.00	13,269.57	7,570.23	103.49	97.37	89.19	-4,090.00	406.49	3,445.39	3,258.66	186.74	18.451		
14,800.00	7,630.00	13,318.00	7,571.68	104.56	98.17	89.21	-4,138.41	406.07	3,445.79	3,257.44	188.35	18.295		
14,900.00	7,630.00	13,470.61	7,577.74	105.89	100.70	89.31	-4,290.90	405.06	3,446.10	3,252.79	193.31	17.827		
14,983.77	7,630.00	13,521.74	7,579.86	107.02	101.55	89.35	-4,341.98	405.10	3,445.84	3,250.82	195.02	17.669		
15,000.00	7,630.00	13,527.81	7,580.08	107.24	101.65	89.35	-4,348.05	405.05	3,445.93	3,250.70	195.23	17.651		
15,100.00	7,630.00	13,585.00	7,581.56	108.60	102.59	89.38	-4,405.20	403.65	3,447.68	3,250.56	197.12	17.490		
15,200.00	7,630.00	13,635.00	7,582.41	109.98	103.42	89.39	-4,455.15	401.76	3,450.72	3,251.98	198.74	17.363		
15,300.00	7,630.00	13,763.96	7,584.27	111.38	105.54	89.42	-4,584.03	397.36	3,453.81	3,250.83	202.98	17.016		
15,400.00	7,630.00	13,907.82	7,584.07	112.79	107.93	89.42	-4,727.84	393.87	3,455.98	3,248.28	207.70	16.640		
15,500.00	7,630.00	14,052.74	7,580.95	114.22	110.36	89.37	-4,872.72	393.17	3,455.95	3,243.52	212.43	16.269		
15,501.51	7,630.00	14,053.43	7,580.94	114.24	110.37	89.37	-4,873.41	393.17	3,455.95	3,243.49	212.45	16.267		
15,600.00	7,630.00	14,098.41	7,579.85	115.66	111.12	89.35	-4,918.38	392.68	3,456.71	3,242.76	213.95	16.157		
15,700.00	7,630.00	15,700.00	7,577.84	117.11	138.01	89.32	-5,016.75	390.73	3,458.37	3,215.72	242.66	14.252		
15,800.00	7,630.00	14,282.23	7,576.97	118.57	114.20	89.30	-5,102.13	389.20	3,459.90	3,239.89	220.01	15.726		
15,900.00	7,630.00	15,900.00	7,577.63	120.05	141.39	89.32	-5,206.90	386.83	3,461.81	3,212.65	249.17	13.894		
16,000.00	7,630.00	14,448.86	7,578.10	121.53	116.99	89.32	-5,268.72	385.23	3,464.12	3,238.60	225.52	15.361		
16,100.00	7,630.00	14,562.91	7,579.88	123.03	118.90	89.35	-5,382.67	381.24	3,467.32	3,237.99	229.34	15.119		
16,200.00	7,630.00	14,752.18	7,579.78	124.53	122.09	89.35	-5,571.91	378.01	3,468.76	3,233.09	235.67	14.719		
16,300.00	7,630.00	14,922.10	7,578.66	126.04	124.98	89.33	-5,741.81	378.71	3,468.22	3,226.92	241.30	14.373		
16,400.00	7,630.00	15,083.61	7,579.55	127.56	127.75	89.35	-5,903.25	383.35	3,464.81	3,218.17	246.64	14.048		
16,500.00	7,630.00	15,181.06	7,580.05	129.09	129.43	89.35	-6,000.65	386.66	3,461.07	3,211.13	249.95	13.847		
16,600.00	7,630.00	15,310.77	7,580.40	130.62	131.66	89.36	-6,130.27	391.47	3,457.05	3,202.78	254.27	13.596		
16,700.00	7,630.00	15,386.75	7,580.51	132.16	132.98	89.36	-6,206.19	394.36	3,452.89	3,195.97	256.92	13.440		
16,800.00	7,630.00	15,494.91	7,580.50	133.71	134.84	89.36	-6,314.28	398.38	3,448.84	3,188.26	260.57	13.236		
16,900.00	7,630.00	15,592.05	7,580.26	135.27	136.52	89.36	-6,411.35	401.93	3,444.85	3,180.96	263.89	13.054		
17,000.00	7,630.00	15,673.59	7,580.40	136.83	137.93	89.36	-6,492.83	404.84	3,440.96	3,174.25	266.71	12.902		
17,100.00	7,630.00	15,736.00	7,581.84	138.39	139.01	89.38	-6,555.20	406.60	3,437.86	3,168.95	268.91	12.784		
17,200.00	7,630.00	15,781.25	7,583.64	139.97	139.79	89.41	-6,600.41	407.26	3,436.14	3,165.63	270.51	12.702		
17,246.97	7,630.00	15,799.79	7,584.57	140.71	140.11	89.43	-6,618.92	407.26	3,435.95	3,164.80	271.15	12.672		
17,300.00	7,630.00	15,825.00	7,586.00	141.54	140.54	89.45	-6,644.09	407.02	3,436.20	3,164.20	272.00	12.633		
17,400.00	7,630.00	15,870.00	7,588.80	143.12	141.31	89.50	-6,689.00	406.10	3,437.84	3,164.37	273.47	12.571		
17,500.00	7,630.00	15,932.27	7,592.14	144.71	142.36	89.55	-6,751.14	404.09	3,440.73	3,165.22	275.51	12.488		
17,600.00	7,630.00	16,016.24	7,595.18	146.30	143.79	89.60	-6,834.98	400.47	3,444.65	3,166.32	278.33	12.376		
17,700.00	7,630.00	16,101.91	7,597.90	147.90	145.24	89.65	-6,920.52	396.67	3,448.74	3,167.54	281.21	12.264		
17,800.00	7,630.00	16,191.26	7,600.29	149.50	146.75	89.69	-7,009.73	392.22	3,453.37	3,169.16	284.21	12.151		
17,900.00	7,630.00	16,311.04	7,603.31	151.10	148.77	89.74	-7,129.33	386.42	3,457.88	3,169.51	288.36	11.991		
18,000.00	7,630.00	16,412.06	7,605.62	152.71	150.49	89.78	-7,230.22	381.94	3,461.97	3,170.15	291.82	11.864		
18,100.00	7,630.00	16,507.22	7,607.25	154.32	152.10	89.81	-7,325.27	377.63	3,466.15	3,171.11	295.05	11.748		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SEC 22-T1N-R68W - EXIST HZ COSSLETT 1I-22H-B168 - OWB - FINAL SURVEY												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 318-MWD OWSG												<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
18,200.00	7,630.00	16,608.70	7,608.19	155.94	153.83	89.82	-7,426.65	373.07	3,470.31	3,171.80	298.51	11.625	
18,300.00	7,630.00	16,701.20	7,608.35	157.56	155.40	89.82	-7,519.05	368.76	3,474.63	3,173.00	301.63	11.519	
18,400.00	7,630.00	16,801.34	7,608.36	159.18	157.10	89.82	-7,619.07	364.02	3,479.03	3,173.98	305.04	11.405	
18,500.00	7,630.00	17,073.35	7,626.88	160.80	161.77	90.13	-7,890.31	359.16	3,479.66	3,164.90	314.76	11.055	
18,600.00	7,630.00	17,249.45	7,637.41	162.43	164.83	90.30	-8,066.08	361.75	3,477.75	3,156.95	320.80	10.841	
18,700.00	7,630.00	17,393.59	7,643.87	164.06	167.34	90.41	-8,210.00	366.00	3,474.52	3,148.81	325.71	10.668	
18,800.00	7,630.00	17,497.28	7,647.74	165.70	169.16	90.47	-8,313.56	369.75	3,470.60	3,141.30	329.30	10.539	
18,900.00	7,630.00	17,583.00	7,650.55	167.33	170.66	90.52	-8,399.16	373.15	3,466.39	3,134.07	332.33	10.431	
19,000.00	7,630.00	17,583.00	7,650.55	168.97	170.66	90.52	-8,399.16	373.15	3,464.16	3,131.70	332.47	10.420	
19,021.79	7,630.00	17,583.00	7,650.55	169.33	170.66	90.52	-8,399.16	373.15	3,464.06	3,131.60	332.46	10.419 SF	

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1J-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 318-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	-52.38	786.88	-1,021.14	1,289.20					
100.00	100.00	89.74	89.74	0.13	0.15	-52.38	786.93	-1,021.07	1,289.12	1,288.84	0.28	4,545.318		
200.00	200.00	190.56	190.56	0.49	0.32	-52.37	787.07	-1,020.84	1,289.04	1,288.23	0.81	1,591.983		
300.00	300.00	291.39	291.38	0.85	0.48	-52.35	787.33	-1,020.45	1,288.88	1,287.55	1.34	964.884		
400.00	400.00	391.25	391.25	1.21	0.78	-52.33	787.48	-1,020.09	1,288.69	1,286.70	1.99	646.912		
500.00	500.00	490.78	490.77	1.57	1.13	-52.35	787.02	-1,020.25	1,288.54	1,285.84	2.70	478.120		
600.00	600.00	593.03	593.01	1.93	1.48	-52.41	785.89	-1,020.97	1,288.41	1,285.01	3.41	378.099		
700.00	700.00	733.47	733.38	2.29	1.98	-52.32	785.69	-1,017.23	1,286.09	1,281.83	4.26	301.912		
800.00	799.98	868.59	867.96	2.64	2.47	-113.83	789.63	-1,006.02	1,282.04	1,276.94	5.10	251.497		
900.00	899.84	975.80	974.00	2.99	2.88	-113.51	796.39	-991.90	1,277.63	1,271.78	5.85	218.342		
1,000.00	999.45	1,076.26	1,072.37	3.35	3.30	-113.06	807.29	-974.77	1,274.43	1,267.81	6.62	192.502		
1,100.00	1,098.70	1,175.67	1,168.44	3.73	3.76	-112.47	822.52	-954.26	1,272.65	1,265.21	7.44	171.067		
1,149.32	1,147.48	1,220.60	1,211.56	3.92	3.98	-112.20	830.26	-944.32	1,272.35	1,264.50	7.85	162.183 CC		
1,200.00	1,197.47	1,258.38	1,247.89	4.11	4.17	-111.99	836.83	-936.29	1,272.78	1,264.55	8.23	154.686		
1,300.00	1,295.62	1,403.44	1,387.32	4.53	4.93	-111.36	860.89	-904.38	1,273.71	1,264.34	9.37	135.906		
1,376.03	1,369.77	1,485.70	1,465.50	4.86	5.40	-111.01	875.13	-883.15	1,273.34	1,263.18	10.15	125.397		
1,400.00	1,393.06	1,507.02	1,485.70	4.97	5.52	-110.92	879.00	-877.52	1,273.40	1,263.01	10.38	122.651 ES		
1,500.00	1,489.64	1,584.74	1,559.22	5.44	5.99	-110.62	893.80	-857.13	1,275.22	1,263.92	11.31	112.791		
1,600.00	1,585.27	1,662.48	1,632.72	5.95	6.46	-110.35	910.10	-837.78	1,280.47	1,268.20	12.27	104.359		
1,700.00	1,679.82	1,777.34	1,741.97	6.51	7.15	-110.23	932.92	-810.64	1,287.29	1,273.80	13.49	95.446		
1,800.00	1,773.17	1,939.47	1,896.87	7.13	8.11	-110.54	959.05	-770.61	1,292.06	1,277.07	14.99	86.201		
1,900.00	1,865.21	2,046.31	1,999.37	7.79	8.74	-111.01	971.96	-743.40	1,294.85	1,278.64	16.20	79.906		
2,000.00	1,955.84	2,127.77	2,077.72	8.51	9.21	-111.46	981.86	-723.42	1,299.84	1,282.51	17.33	75.016		
2,100.00	2,044.94	2,260.31	2,205.13	9.30	9.98	-112.40	998.48	-690.93	1,306.84	1,288.09	18.75	69.696		
2,200.00	2,132.39	2,340.73	2,282.33	10.15	10.45	-113.02	1,007.74	-670.38	1,313.73	1,293.78	19.96	65.828		
2,300.00	2,218.11	2,406.71	2,345.90	11.07	10.83	-113.54	1,015.70	-654.64	1,324.05	1,302.94	21.11	62.708		
2,400.00	2,301.97	2,473.93	2,410.92	12.06	11.21	-114.10	1,024.52	-640.05	1,338.50	1,316.20	22.30	60.025		
2,500.00	2,383.88	2,543.56	2,478.33	13.11	11.59	-114.69	1,034.60	-625.81	1,356.73	1,333.21	23.52	57.695		
2,512.74	2,394.17	2,552.31	2,486.81	13.25	11.63	-114.76	1,035.90	-624.10	1,359.32	1,335.65	23.67	57.424		
2,600.00	2,464.54	2,642.32	2,574.02	14.22	12.13	-116.00	1,049.82	-606.71	1,377.93	1,353.01	24.92	55.302		
2,700.00	2,545.18	2,783.53	2,709.26	15.35	12.97	-117.69	1,072.88	-573.33	1,396.60	1,370.00	26.61	52.488		
2,800.00	2,625.82	2,847.83	2,770.87	16.50	13.36	-118.45	1,083.20	-558.10	1,415.85	1,388.02	27.83	50.867		
2,900.00	2,706.45	2,989.88	2,907.66	17.65	14.18	-120.21	1,102.70	-525.23	1,435.02	1,405.57	29.45	48.725		
3,000.00	2,787.09	3,081.94	2,996.24	18.82	14.73	-121.33	1,114.02	-502.82	1,453.18	1,422.41	30.77	47.220		
3,100.00	2,867.73	3,155.95	3,067.12	19.99	15.17	-122.16	1,124.81	-484.51	1,472.61	1,440.61	32.00	46.018		
3,200.00	2,948.37	3,218.00	3,126.86	21.17	15.53	-122.86	1,133.97	-470.44	1,494.36	1,461.24	33.13	45.110		
3,300.00	3,029.01	3,347.92	3,252.03	22.36	16.29	-124.29	1,153.15	-441.39	1,517.04	1,482.42	34.62	43.819		
3,400.00	3,109.65	3,443.23	3,343.80	23.55	16.83	-125.36	1,164.82	-418.48	1,537.63	1,501.76	35.87	42.866		
3,500.00	3,190.29	3,508.71	3,407.36	24.74	17.20	-126.13	1,171.98	-404.48	1,560.53	1,523.62	36.91	42.277		
3,600.00	3,270.93	3,595.86	3,491.77	25.94	17.68	-127.08	1,183.32	-386.02	1,584.95	1,546.89	38.06	41.641		
3,700.00	3,351.57	3,703.27	3,595.09	27.14	18.31	-128.11	1,199.89	-361.80	1,609.46	1,570.09	39.37	40.884		
3,800.00	3,432.21	3,821.08	3,708.21	28.35	19.01	-129.20	1,217.64	-334.08	1,633.39	1,592.66	40.72	40.111		
3,900.00	3,512.85	3,884.58	3,769.24	29.56	19.37	-129.79	1,226.67	-319.07	1,657.44	1,615.73	41.71	39.737		
4,000.00	3,593.49	3,934.88	3,818.09	30.76	19.64	-130.30	1,232.91	-308.87	1,684.22	1,641.66	42.56	39.573		
4,100.00	3,674.13	4,020.37	3,901.69	31.97	20.09	-131.21	1,242.46	-293.71	1,713.34	1,669.78	43.56	39.334		
4,200.00	3,754.77	4,145.28	4,022.98	33.19	20.76	-132.37	1,259.04	-268.93	1,741.62	1,696.79	44.83	38.853		
4,300.00	3,835.41	4,315.92	4,186.17	34.40	21.80	-133.63	1,287.91	-228.38	1,767.78	1,721.29	46.50	38.020		
4,400.00	3,916.05	4,394.15	4,260.78	35.62	22.29	-134.20	1,300.28	-208.40	1,792.08	1,744.53	47.55	37.688		
4,500.00	3,996.69	4,494.34	4,356.82	36.83	22.90	-134.97	1,314.53	-183.68	1,817.08	1,768.39	48.69	37.321		
4,600.00	4,077.33	4,576.92	4,435.78	38.05	23.41	-135.55	1,327.24	-163.10	1,842.37	1,792.64	49.73	37.047		
4,700.00	4,157.96	4,630.84	4,487.42	39.27	23.73	-135.92	1,335.92	-150.28	1,869.16	1,818.59	50.57	36.962		
4,800.00	4,238.60	4,683.09	4,537.83	40.49	24.03	-136.29	1,344.04	-139.17	1,898.34	1,846.99	51.35	36.968		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1J-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 318-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,900.00	4,319.24	4,752.32	4,604.89	41.71	24.41	-136.79	1,354.65	-125.60	1,929.29	1,877.08	52.21	36.952		
5,000.00	4,399.88	4,986.92	4,831.66	42.93	25.74	-138.56	1,383.47	-73.27	1,957.08	1,903.07	54.01	36.238		
5,100.00	4,480.52	5,072.82	4,914.10	44.15	26.25	-139.18	1,393.25	-51.21	1,982.22	1,927.28	54.93	36.083		
5,200.00	4,561.16	5,135.96	4,974.89	45.37	26.62	-139.63	1,400.58	-35.81	2,008.86	1,953.13	55.73	36.047		
5,300.00	4,641.80	5,197.29	5,034.10	46.59	26.97	-140.05	1,408.15	-21.73	2,037.22	1,980.73	56.49	36.062		
5,400.00	4,722.44	5,255.37	5,090.31	47.82	27.29	-140.43	1,415.81	-9.25	2,067.33	2,010.11	57.22	36.131		
5,500.00	4,803.08	5,329.48	5,162.22	49.04	27.70	-140.90	1,425.96	5.48	2,099.15	2,041.12	58.03	36.173		
5,600.00	4,883.72	5,448.96	5,277.91	50.27	28.36	-141.62	1,442.95	30.05	2,130.64	2,071.48	59.16	36.013		
5,700.00	4,964.36	5,588.84	5,412.72	51.49	29.17	-142.41	1,463.52	61.11	2,160.86	2,100.42	60.44	35.753		
5,800.00	5,045.00	5,681.98	5,502.28	52.71	29.72	-142.93	1,476.48	83.17	2,189.74	2,128.35	61.38	35.672		
5,900.00	5,125.64	5,743.00	5,561.14	53.94	30.07	-143.26	1,485.10	96.73	2,220.09	2,157.97	62.12	35.741		
6,000.00	5,206.28	5,824.65	5,640.24	55.17	30.52	-143.72	1,495.68	114.01	2,251.59	2,188.65	62.94	35.772		
6,100.00	5,286.92	5,957.38	5,768.54	56.39	31.28	-144.48	1,511.62	144.02	2,281.59	2,217.52	64.07	35.613		
6,200.00	5,367.56	6,016.90	5,825.98	57.62	31.62	-144.78	1,519.92	157.24	2,312.52	2,247.76	64.76	35.708		
6,300.00	5,448.20	6,093.77	5,900.17	58.84	32.06	-145.14	1,531.64	173.60	2,344.57	2,278.99	65.58	35.749		
6,400.00	5,528.84	6,145.23	5,949.93	60.07	32.34	-145.38	1,539.57	183.97	2,377.85	2,311.65	66.20	35.918		
6,500.00	5,609.47	6,236.02	6,038.35	61.30	32.82	-145.83	1,551.76	200.62	2,412.82	2,345.77	67.06	35.981		
6,600.00	5,690.11	6,363.82	6,163.17	62.53	33.46	-146.62	1,561.79	226.09	2,446.10	2,378.09	68.00	35.971		
6,700.00	5,770.75	6,570.24	6,363.70	63.75	34.56	-147.87	1,576.19	272.66	2,477.16	2,407.87	69.28	35.753		
6,800.00	5,851.39	6,634.00	6,424.94	64.98	34.94	-148.16	1,584.32	288.43	2,506.70	2,436.72	69.98	35.820		
6,900.00	5,932.03	6,688.10	6,476.88	66.21	35.26	-148.37	1,592.54	301.12	2,537.69	2,467.06	70.63	35.928		
7,000.00	6,012.67	7,192.68	6,952.97	67.44	38.52	-150.45	1,655.94	448.02	2,566.02	2,492.59	73.43	34.946		
7,100.00	6,093.31	7,228.73	6,986.51	68.66	38.72	-150.76	1,652.58	460.82	2,584.16	2,510.21	73.96	34.942		
7,200.00	6,173.95	7,258.00	7,013.78	69.89	38.88	-151.04	1,648.40	470.56	2,604.82	2,530.40	74.42	35.003		
7,300.00	6,254.59	7,258.00	7,013.78	71.12	38.88	-151.04	1,648.40	470.56	2,628.71	2,553.84	74.87	35.112		
7,400.00	6,335.23	7,298.98	7,052.09	72.35	39.02	-151.48	1,640.30	482.62	2,654.70	2,579.60	75.10	35.347		
7,500.00	6,415.87	7,348.00	7,097.92	73.58	39.19	-152.07	1,627.18	493.94	2,684.89	2,609.66	75.23	35.689		
7,600.00	6,496.51	7,348.00	7,097.92	74.81	39.19	-152.07	1,627.18	493.94	2,716.40	2,640.93	75.47	35.993		
7,700.00	6,577.15	7,348.00	7,097.92	76.04	39.19	-152.07	1,627.18	493.94	2,751.18	2,675.56	75.63	36.377		
7,800.00	6,657.79	7,348.00	7,097.92	77.27	39.19	-152.07	1,627.18	493.94	2,789.12	2,713.42	75.71	36.840		
7,900.00	6,738.43	7,383.70	7,131.06	78.50	39.24	-152.54	1,615.47	500.16	2,829.08	2,753.46	75.62	37.410		
8,000.00	6,819.07	7,399.45	7,145.58	79.73	39.26	-152.75	1,609.80	502.42	2,871.83	2,796.28	75.55	38.013		
8,100.00	6,899.71	7,437.00	7,179.86	80.96	39.31	-153.27	1,595.06	506.55	2,917.42	2,842.06	75.36	38.711		
8,200.00	6,980.35	7,437.00	7,179.86	82.18	39.31	-153.27	1,595.06	506.55	2,964.60	2,889.35	75.25	39.398		
8,240.58	7,013.07	7,437.00	7,179.86	82.68	39.31	-153.27	1,595.06	506.55	2,984.48	2,909.30	75.19	39.695		
8,250.00	7,020.68	7,437.00	7,179.86	82.80	39.31	-155.00	1,595.06	506.55	2,989.16	2,913.99	75.17	39.765		
8,300.00	7,061.63	7,437.00	7,179.86	83.40	39.31	-164.67	1,595.06	506.55	3,014.44	2,939.35	75.09	40.143		
8,350.00	7,103.23	7,437.00	7,179.86	83.97	39.31	-175.03	1,595.06	506.55	3,040.31	2,965.29	75.02	40.526		
8,400.00	7,145.18	7,467.75	7,207.61	84.51	39.32	173.96	1,582.02	508.89	3,066.05	2,991.16	74.89	40.939		
8,450.00	7,187.16	7,479.66	7,218.30	85.01	39.32	163.16	1,576.81	509.61	3,092.00	3,017.19	74.81	41.330		
8,500.00	7,228.84	7,491.87	7,229.22	85.46	39.32	152.74	1,571.40	510.24	3,117.75	3,043.01	74.74	41.713		
8,550.00	7,269.91	8,550.00	7,281.11	85.86	39.76	142.86	1,543.62	512.86	3,143.26	3,068.33	74.93	41.947		
8,600.00	7,310.05	7,683.17	7,394.08	86.20	39.33	133.84	1,475.54	522.77	3,166.38	3,092.24	74.14	42.708		
8,650.00	7,348.97	7,718.14	7,422.62	86.50	39.32	126.16	1,455.60	525.98	3,187.87	3,113.86	74.01	43.071		
8,700.00	7,386.36	7,749.41	7,447.35	86.74	39.31	119.46	1,436.69	528.84	3,208.13	3,134.23	73.90	43.410		
8,750.00	7,421.94	7,781.01	7,471.47	86.93	39.30	113.67	1,416.47	531.69	3,227.03	3,153.24	73.79	43.731		
8,800.00	7,455.44	8,060.00	7,625.16	87.07	39.12	107.81	1,191.19	572.12	3,240.89	3,169.04	71.85	45.106		
8,850.00	7,486.61	8,099.09	7,637.09	87.16	39.09	103.66	1,154.74	579.62	3,252.67	3,181.05	71.61	45.420		
8,900.00	7,515.20	8,115.02	7,641.52	87.20	39.08	100.32	1,139.69	582.43	3,263.14	3,191.58	71.56	45.602		
8,950.00	7,541.00	8,149.00	7,650.10	87.21	39.07	97.46	1,107.28	587.94	3,272.12	3,200.73	71.38	45.838		
9,000.00	7,563.81	8,149.00	7,650.10	87.17	39.07	95.30	1,107.28	587.94	3,279.12	3,207.63	71.50	45.865		
9,050.00	7,583.47	8,149.00	7,650.10	87.10	39.07	93.56	1,107.28	587.94	3,284.62	3,212.97	71.64	45.846		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1J-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 318-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,100.00	7,599.81	8,149.00	7,650.10	87.00	39.07	92.23	1,107.28	587.94	3,288.57	3,216.73	71.83	45.780		
9,150.00	7,612.72	8,189.35	7,658.96	86.88	39.02	91.28	1,068.31	593.48	3,290.06	3,218.32	71.74	45.860		
9,200.00	7,622.09	8,203.25	7,661.71	86.72	39.01	90.75	1,054.78	595.09	3,290.14	3,218.25	71.89	45.765		
9,250.00	7,627.87	8,238.00	7,667.91	86.55	38.98	90.63	1,020.76	598.46	3,288.66	3,216.76	71.90	45.737		
9,303.98	7,630.00	8,238.00	7,667.91	86.35	38.98	90.86	1,020.76	598.46	3,284.59	3,212.32	72.27	45.446		
9,400.00	7,630.00	8,281.82	7,674.94	85.99	38.93	90.98	977.64	601.93	3,276.65	3,204.00	72.65	45.104		
9,500.00	7,630.00	8,342.94	7,684.11	85.62	38.88	91.14	917.37	606.12	3,269.65	3,196.71	72.94	44.827		
9,600.00	7,630.00	8,417.00	7,693.68	85.28	38.84	91.31	844.05	610.38	3,263.75	3,190.55	73.20	44.588		
9,700.00	7,630.00	8,417.00	7,693.68	84.95	38.84	91.31	844.05	610.38	3,259.66	3,185.67	73.99	44.054		
9,800.00	7,630.00	8,465.13	7,698.33	84.64	38.80	91.40	796.17	611.83	3,257.25	3,182.76	74.49	43.729		
9,839.31	7,630.00	8,475.17	7,699.07	84.52	38.80	91.41	786.16	611.86	3,257.05	3,182.29	74.75	43.571		
9,900.00	7,630.00	8,506.00	7,700.82	84.34	38.79	91.44	755.39	611.40	3,257.57	3,182.54	75.03	43.415		
10,000.00	7,630.00	8,506.00	7,700.82	84.06	38.79	91.44	755.39	611.40	3,259.96	3,184.06	75.90	42.949		
10,100.00	7,630.00	8,558.79	7,702.80	83.80	38.75	91.47	702.68	609.14	3,264.29	3,187.89	76.40	42.726		
10,200.00	7,630.00	8,601.04	7,703.85	83.56	38.73	91.49	660.54	606.32	3,270.61	3,193.60	77.00	42.475		
10,300.00	7,630.00	8,761.28	7,707.66	83.33	38.75	91.55	500.68	595.97	3,276.78	3,199.73	77.05	42.527		
10,400.00	7,630.00	9,062.43	7,716.15	83.12	39.51	91.70	199.87	587.94	3,279.57	3,201.73	77.84	42.130		
10,500.00	7,630.00	9,129.00	7,716.54	82.92	39.84	91.70	133.30	588.05	3,279.14	3,200.38	78.76	41.637		
10,502.96	7,630.00	9,137.64	7,716.60	82.92	39.88	91.71	124.66	588.03	3,279.13	3,200.31	78.81	41.606		
10,600.00	7,630.00	9,203.44	7,717.18	82.75	40.25	91.72	58.87	587.50	3,279.60	3,199.83	79.77	41.113		
10,700.00	7,630.00	9,458.43	7,719.14	82.59	42.13	91.75	-196.05	590.52	3,277.96	3,195.63	82.33	39.815		
10,800.00	7,630.00	9,599.70	7,717.89	82.45	43.47	91.73	-337.20	596.13	3,273.66	3,189.25	84.40	38.786		
10,900.00	7,630.00	9,710.78	7,716.11	82.33	44.63	91.71	-448.14	601.58	3,268.36	3,182.05	86.31	37.869		
11,000.00	7,630.00	9,782.00	7,714.76	82.22	45.41	91.68	-519.26	604.99	3,263.25	3,175.49	87.76	37.184		
11,100.00	7,630.00	9,842.00	7,714.44	82.14	46.08	91.68	-579.22	606.95	3,259.53	3,170.44	89.09	36.587		
11,200.00	7,630.00	9,943.26	7,714.65	82.08	47.24	91.68	-680.44	609.67	3,256.51	3,165.41	91.10	35.746		
11,300.00	7,630.00	9,967.25	7,714.66	82.04	47.51	91.68	-704.44	609.96	3,254.52	3,162.59	91.93	35.404		
11,347.50	7,630.00	9,982.92	7,714.66	82.03	47.69	91.68	-720.11	609.98	3,254.29	3,161.90	92.39	35.223		
11,400.00	7,630.00	10,020.00	7,714.61	82.02	48.12	91.68	-757.18	609.43	3,254.75	3,161.54	93.21	34.919		
11,500.00	7,630.00	10,059.39	7,714.53	82.03	48.58	91.68	-796.56	608.38	3,256.52	3,162.24	94.28	34.539		
11,600.00	7,630.00	10,154.18	7,714.13	82.06	49.69	91.67	-891.30	605.78	3,258.91	3,162.60	96.31	33.838		
11,700.00	7,630.00	10,262.70	7,713.04	82.12	51.01	91.65	-999.78	602.69	3,261.40	3,162.75	98.65	33.060		
11,800.00	7,630.00	10,436.64	7,710.15	82.21	53.23	91.60	-1,173.67	599.92	3,262.69	3,160.31	102.38	31.868		
11,850.02	7,630.00	10,485.56	7,709.63	82.26	53.87	91.59	-1,222.59	599.86	3,262.57	3,159.01	103.56	31.505		
11,900.00	7,630.00	10,514.36	7,709.37	82.33	54.25	91.59	-1,251.39	599.66	3,262.73	3,158.42	104.32	31.277		
12,000.00	7,630.00	10,608.94	7,708.51	82.48	55.52	91.57	-1,345.95	598.23	3,263.87	3,157.22	106.64	30.605		
12,100.00	7,630.00	10,747.75	7,705.51	82.66	57.42	91.52	-1,484.72	597.61	3,263.85	3,153.85	110.00	29.670		
12,167.83	7,630.00	10,803.46	7,703.68	82.81	58.20	91.49	-1,540.40	597.48	3,263.73	3,152.27	111.46	29.281		
12,200.00	7,630.00	10,822.00	7,703.07	82.88	58.46	91.48	-1,558.93	597.39	3,263.77	3,151.80	111.97	29.149		
12,300.00	7,630.00	10,881.67	7,702.02	83.14	59.29	91.46	-1,618.58	596.63	3,264.72	3,151.10	113.62	28.734		
12,400.00	7,630.00	10,944.61	7,702.69	83.44	60.17	91.47	-1,681.50	594.97	3,267.01	3,151.64	115.36	28.319		
12,500.00	7,630.00	11,031.50	7,704.82	83.79	61.40	91.50	-1,768.31	591.97	3,270.16	3,152.44	117.72	27.780		
12,600.00	7,630.00	11,147.10	7,708.99	84.18	63.05	91.58	-1,883.78	588.39	3,273.00	3,152.16	120.84	27.084		
12,700.00	7,630.00	11,367.30	7,715.42	84.61	66.30	91.69	-2,103.85	587.24	3,272.54	3,145.74	126.80	25.808		
12,800.00	7,630.00	11,459.80	7,716.88	85.10	67.69	91.71	-2,196.33	587.72	3,271.73	3,142.26	129.47	25.271		
12,900.00	7,630.00	11,567.86	7,718.21	85.64	69.33	91.74	-2,304.38	588.33	3,270.86	3,138.29	132.58	24.671		
13,000.00	7,630.00	11,661.20	7,718.93	86.22	70.76	91.75	-2,397.72	588.95	3,269.90	3,134.58	135.31	24.165		
13,100.00	7,630.00	11,738.89	7,719.00	86.86	71.95	91.75	-2,475.41	589.05	3,269.45	3,131.82	137.63	23.756		
13,110.94	7,630.00	11,746.96	7,718.99	86.94	72.08	91.75	-2,483.48	589.02	3,269.44	3,131.57	137.87	23.714		
13,200.00	7,630.00	11,830.95	7,718.66	87.56	73.37	91.75	-2,567.47	588.46	3,269.72	3,129.37	140.35	23.297		
13,300.00	7,630.00	11,950.97	7,717.52	88.30	75.24	91.73	-2,687.48	588.57	3,269.20	3,125.30	143.90	22.718		
13,400.00	7,630.00	12,040.84	7,716.07	89.10	76.64	91.70	-2,777.34	588.47	3,268.92	3,122.32	146.60	22.298		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1J-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 318-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
13,500.00	7,630.00	12,176.03	7,713.62	89.94	78.77	91.66	-2,912.51	588.76	3,268.34	3,117.69	150.66	21.694		
13,600.00	7,630.00	12,275.20	7,711.72	90.84	80.35	91.63	-3,011.66	589.62	3,267.09	3,113.41	153.68	21.258		
13,700.00	7,630.00	12,354.25	7,709.70	91.78	81.61	91.59	-3,090.67	590.11	3,266.10	3,109.98	156.12	20.920		
13,740.29	7,630.00	12,376.42	7,709.14	92.17	81.96	91.58	-3,112.84	590.08	3,265.99	3,109.18	156.81	20.827		
13,800.00	7,630.00	12,409.29	7,708.41	92.77	82.48	91.57	-3,145.70	589.81	3,266.23	3,108.40	157.83	20.695		
13,900.00	7,630.00	12,477.81	7,707.28	93.79	83.57	91.55	-3,214.20	588.60	3,267.60	3,107.66	159.94	20.430		
14,000.00	7,630.00	12,578.93	7,707.00	94.86	85.17	91.54	-3,315.29	586.26	3,269.57	3,106.50	163.08	20.049		
14,100.00	7,630.00	12,725.96	7,708.87	95.97	87.53	91.57	-3,462.30	584.65	3,270.24	3,102.55	167.70	19.501		
14,200.00	7,630.00	14,200.00	7,710.35	97.11	111.86	91.60	-3,683.21	586.93	3,269.13	3,073.54	195.58	16.715		
14,300.00	7,630.00	13,022.31	7,710.61	98.28	92.37	91.61	-3,758.56	589.26	3,265.81	3,088.72	177.09	18.442		
14,400.00	7,630.00	13,081.47	7,710.54	99.48	93.34	91.61	-3,817.71	590.21	3,263.83	3,084.83	179.01	18.233		
14,500.00	7,630.00	13,155.97	7,710.57	100.72	94.56	91.61	-3,892.21	590.55	3,263.00	3,081.60	181.40	17.988		
14,600.00	7,630.00	13,257.88	7,710.47	101.97	96.24	91.61	-3,994.12	591.34	3,261.87	3,077.19	184.68	17.663		
14,642.22	7,630.00	13,278.54	7,710.69	102.51	96.58	91.61	-4,014.78	591.35	3,261.73	3,076.39	185.34	17.599		
14,700.00	7,630.00	13,317.00	7,711.51	103.26	97.21	91.63	-4,053.22	591.01	3,262.02	3,075.45	186.57	17.484		
14,800.00	7,630.00	13,396.22	7,713.92	104.56	98.51	91.67	-4,132.40	589.84	3,263.19	3,074.06	189.12	17.254		
14,900.00	7,630.00	13,512.84	7,717.64	105.89	100.42	91.73	-4,248.95	588.39	3,264.19	3,071.25	192.94	16.918		
15,000.00	7,630.00	13,666.74	7,721.62	107.24	102.97	91.80	-4,402.79	587.70	3,264.54	3,066.53	198.01	16.487		
15,100.00	7,630.00	13,814.54	7,725.31	108.60	105.44	91.87	-4,550.53	590.03	3,262.62	3,059.74	202.88	16.082		
15,200.00	7,630.00	13,934.94	7,727.37	109.98	107.46	91.91	-4,670.88	592.92	3,259.95	3,053.10	206.85	15.760		
15,300.00	7,630.00	13,979.85	7,727.89	111.38	108.21	91.92	-4,715.78	593.81	3,257.73	3,049.40	208.34	15.637		
15,400.00	7,630.00	15,400.00	7,728.87	112.79	132.12	91.93	-4,817.51	594.36	3,256.90	3,022.80	234.10	13.912		
15,500.00	7,630.00	14,208.00	7,730.10	114.22	112.05	91.96	-4,943.87	596.91	3,254.43	3,038.53	215.90	15.074		
15,600.00	7,630.00	14,266.92	7,730.50	115.66	113.04	91.96	-5,002.78	597.56	3,252.96	3,035.12	217.84	14.933		
15,660.28	7,630.00	14,297.00	7,730.67	116.53	113.55	91.97	-5,032.87	597.67	3,252.62	3,033.81	218.81	14.865		
15,700.00	7,630.00	14,320.78	7,730.77	117.11	113.94	91.97	-5,056.65	597.59	3,252.66	3,033.09	219.57	14.814		
15,800.00	7,630.00	14,364.90	7,730.85	118.57	114.68	91.97	-5,100.76	596.85	3,254.01	3,033.09	220.91	14.730		
15,900.00	7,630.00	14,433.54	7,730.75	120.05	115.82	91.97	-5,169.36	594.59	3,256.88	3,033.78	223.09	14.599		
16,000.00	7,630.00	14,586.71	7,730.58	121.53	118.37	91.96	-5,322.46	590.02	3,259.68	3,031.37	228.31	14.278		
16,100.00	7,630.00	14,736.96	7,730.41	123.03	120.89	91.96	-5,472.70	588.67	3,260.13	3,026.73	233.40	13.968		
16,200.00	7,630.00	14,870.37	7,730.05	124.53	123.14	91.95	-5,606.11	588.77	3,259.74	3,021.84	237.90	13.702		
16,300.00	7,630.00	16,300.00	7,729.24	126.04	147.56	91.94	-5,747.62	591.05	3,257.65	2,992.84	264.81	12.302		
16,400.00	7,630.00	15,082.40	7,728.93	127.56	126.75	91.94	-5,818.11	592.33	3,255.58	3,010.55	245.03	13.287		
16,500.00	7,630.00	15,163.00	7,728.33	129.09	128.12	91.92	-5,898.70	592.47	3,254.93	3,007.21	247.71	13.140		
16,600.00	7,630.00	16,600.00	7,730.24	130.62	152.77	91.96	-6,052.80	594.09	3,253.74	2,978.64	275.10	11.827		
16,700.00	7,630.00	15,425.24	7,732.52	132.16	132.61	92.00	-6,160.84	597.04	3,250.72	2,994.08	256.64	12.667		
16,800.00	7,630.00	15,521.96	7,734.42	133.71	134.27	92.04	-6,257.51	599.34	3,248.08	2,988.16	259.92	12.496		
16,900.00	7,630.00	15,625.86	7,736.52	135.27	136.06	92.08	-6,361.36	601.98	3,245.27	2,981.81	263.46	12.318		
17,000.00	7,630.00	15,697.00	7,738.00	136.83	137.28	92.10	-6,432.47	603.40	3,243.00	2,977.14	265.87	12.198		
17,100.00	7,630.00	15,761.19	7,739.33	138.39	138.38	92.13	-6,496.64	604.04	3,241.73	2,973.72	268.01	12.096		
17,167.63	7,630.00	15,802.56	7,740.17	139.46	139.08	92.14	-6,538.01	604.09	3,241.49	2,972.12	269.37	12.034		
17,200.00	7,630.00	15,820.50	7,740.54	139.97	139.39	92.15	-6,555.94	603.99	3,241.58	2,971.64	269.94	12.008		
17,300.00	7,630.00	15,875.00	7,741.59	141.54	140.32	92.17	-6,610.42	603.20	3,242.79	2,971.13	271.65	11.937		
17,400.00	7,630.00	15,926.99	7,742.58	143.12	141.19	92.18	-6,662.38	601.69	3,245.43	2,972.21	273.22	11.879		
17,500.00	7,630.00	16,031.71	7,744.34	144.71	142.96	92.21	-6,766.99	597.33	3,249.35	2,972.57	276.78	11.740		
17,600.00	7,630.00	17,600.00	7,745.49	146.30	169.76	92.23	-6,945.34	593.49	3,251.02	2,943.95	307.07	10.587		
17,700.00	7,630.00	16,330.15	7,745.97	147.90	148.04	92.24	-7,065.38	592.86	3,251.16	2,963.90	287.27	11.318		
17,800.00	7,630.00	16,410.00	7,746.20	149.50	149.41	92.24	-7,145.22	592.17	3,251.71	2,961.77	289.93	11.215		
17,900.00	7,630.00	16,521.24	7,746.51	151.10	151.31	92.25	-7,256.46	591.11	3,252.33	2,958.57	293.75	11.072		
18,000.00	7,630.00	16,624.36	7,746.62	152.71	153.08	92.25	-7,359.58	590.22	3,252.86	2,955.58	297.28	10.942		
18,100.00	7,630.00	16,736.18	7,746.95	154.32	155.00	92.25	-7,471.39	589.68	3,253.02	2,951.89	301.13	10.803		
18,200.00	7,630.00	16,824.69	7,747.22	155.94	156.52	92.26	-7,559.90	589.27	3,253.15	2,949.03	304.12	10.697		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SEC 22-T1N-R68W - EXIST HZ COSSLETT 1J-22H-B168 - OWB - FINAL SURVEY												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 318-MWD OWSG												<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
18,300.00	7,630.00	16,916.74	7,747.44	157.56	158.10	92.26	-7,651.94	588.44	3,253.73	2,946.48	307.25	10.590	
18,400.00	7,630.00	17,016.32	7,747.39	159.18	159.81	92.26	-7,751.52	587.46	3,254.37	2,943.72	310.65	10.476	
18,500.00	7,630.00	17,118.98	7,746.82	160.80	161.57	92.25	-7,854.17	586.47	3,254.99	2,940.81	314.17	10.361	
18,600.00	7,630.00	17,219.04	7,745.65	162.43	163.29	92.23	-7,954.23	585.49	3,255.58	2,937.98	317.59	10.251	
18,700.00	7,630.00	17,323.69	7,743.88	164.06	165.09	92.20	-8,058.85	584.85	3,255.78	2,934.59	321.19	10.137	
18,800.00	7,630.00	17,390.00	7,743.33	165.70	166.23	92.19	-8,125.16	583.82	3,256.88	2,933.54	323.34	10.073	
18,900.00	7,630.00	17,502.97	7,743.33	167.33	168.17	92.19	-8,238.11	581.97	3,258.18	2,930.92	327.26	9.956	
19,000.00	7,630.00	17,582.67	7,743.56	168.97	169.53	92.19	-8,317.79	580.57	3,259.60	2,929.68	329.92	9.880	
19,021.79	7,630.00	17,604.82	7,743.61	169.33	169.91	92.19	-8,339.94	580.13	3,259.97	2,929.29	330.68	9.858 SF	

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1K-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 318-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	-52.11	786.88	-1,011.06	1,281.23					
100.00	100.00	82.39	82.39	0.13	0.14	-52.10	787.08	-1,011.17	1,281.41	1,281.14	0.27	4,705.605		
200.00	200.00	174.96	174.95	0.49	0.29	-52.09	787.77	-1,011.58	1,282.21	1,281.43	0.78	1,633.696		
300.00	300.00	267.51	267.50	0.85	0.45	-52.07	788.97	-1,012.27	1,283.60	1,282.30	1.30	989.432		
400.00	400.00	361.72	361.68	1.21	0.69	-52.03	790.66	-1,013.27	1,285.53	1,283.64	1.90	677.607		
500.00	500.00	457.92	457.86	1.57	1.03	-52.00	792.61	-1,014.52	1,287.81	1,285.20	2.60	495.131		
600.00	600.00	554.12	554.02	1.93	1.38	-51.97	794.73	-1,015.99	1,290.37	1,287.07	3.30	390.572		
700.00	700.00	676.67	676.49	2.29	1.82	-51.83	798.75	-1,016.12	1,292.54	1,288.44	4.10	315.341		
800.00	799.98	814.11	813.35	2.64	2.32	-113.17	807.89	-1,007.99	1,292.71	1,287.75	4.95	261.138		
900.00	899.84	990.19	987.03	2.99	3.00	-112.38	823.79	-984.25	1,289.86	1,283.88	5.98	215.776		
1,000.00	999.45	1,180.36	1,171.24	3.35	3.88	-111.33	841.91	-940.95	1,281.17	1,274.01	7.16	179.023		
1,100.00	1,098.70	1,273.76	1,260.44	3.73	4.37	-110.88	851.96	-915.19	1,271.43	1,263.43	8.00	158.964		
1,200.00	1,197.47	1,342.57	1,326.10	4.11	4.75	-110.60	860.57	-896.48	1,264.52	1,255.76	8.76	144.353		
1,300.00	1,295.62	1,440.53	1,419.91	4.53	5.30	-110.27	873.55	-871.46	1,260.63	1,250.93	9.70	130.020		
1,400.00	1,393.06	1,567.97	1,541.29	4.97	6.05	-109.94	889.96	-836.28	1,256.10	1,245.27	10.83	115.961		
1,500.00	1,489.64	1,644.93	1,614.24	5.44	6.53	-109.80	900.81	-814.29	1,252.98	1,241.22	11.76	106.554		
1,540.54	1,528.53	1,672.13	1,640.06	5.65	6.69	-109.77	904.92	-806.83	1,252.67	1,240.54	12.13	103.303 CC, ES		
1,600.00	1,585.27	1,712.03	1,678.07	5.95	6.94	-109.74	911.16	-796.38	1,253.34	1,240.68	12.66	98.965		
1,700.00	1,679.82	1,805.16	1,766.84	6.51	7.50	-109.75	926.52	-772.83	1,256.63	1,242.88	13.75	91.374		
1,800.00	1,773.17	1,924.34	1,880.07	7.13	8.24	-109.89	946.47	-741.43	1,260.49	1,245.44	15.05	83.767		
1,900.00	1,865.21	2,048.88	1,998.60	7.79	9.02	-110.29	964.88	-707.97	1,263.91	1,247.51	16.40	77.044		
2,000.00	1,955.84	2,138.98	2,084.66	8.51	9.57	-110.76	976.43	-683.90	1,267.49	1,249.89	17.60	72.017		
2,100.00	2,044.94	2,244.30	2,185.47	9.30	10.21	-111.45	990.23	-656.74	1,273.35	1,254.44	18.91	67.330		
2,200.00	2,132.39	2,323.09	2,260.98	10.15	10.68	-112.03	1,000.20	-636.56	1,280.63	1,260.51	20.12	63.659		
2,300.00	2,218.11	2,438.20	2,371.68	11.07	11.36	-113.12	1,014.35	-608.38	1,290.29	1,268.76	21.54	59.915		
2,400.00	2,301.97	2,510.19	2,441.07	12.06	11.77	-113.81	1,022.61	-591.05	1,301.57	1,278.81	22.75	57.204		
2,500.00	2,383.88	2,586.25	2,514.68	13.11	12.20	-114.61	1,031.45	-574.08	1,316.39	1,292.39	24.00	54.845		
2,512.74	2,394.17	2,595.00	2,523.17	13.25	12.25	-114.71	1,032.46	-572.21	1,318.52	1,294.37	24.16	54.581		
2,600.00	2,464.54	2,649.91	2,576.57	14.22	12.53	-115.55	1,038.86	-561.14	1,334.48	1,309.30	25.17	53.015		
2,700.00	2,545.18	2,733.12	2,657.91	15.35	12.95	-116.85	1,048.25	-546.37	1,355.21	1,328.80	26.40	51.329		
2,800.00	2,625.82	2,837.16	2,760.04	16.50	13.45	-118.54	1,057.26	-528.67	1,376.25	1,348.56	27.68	49.712		
2,900.00	2,706.45	2,946.32	2,867.08	17.65	13.98	-120.27	1,066.07	-509.17	1,397.36	1,368.39	28.96	48.247		
3,000.00	2,787.09	3,045.90	2,964.37	18.82	14.49	-121.74	1,074.84	-489.83	1,418.44	1,388.24	30.20	46.969		
3,100.00	2,867.73	3,145.83	3,061.47	19.99	15.03	-123.09	1,085.60	-468.84	1,439.86	1,408.39	31.46	45.765		
3,200.00	2,948.37	3,255.20	3,167.48	21.17	15.63	-124.48	1,097.52	-444.75	1,461.13	1,428.37	32.76	44.599		
3,300.00	3,029.01	3,353.52	3,262.57	22.36	16.18	-125.69	1,108.16	-422.10	1,482.15	1,448.16	33.99	43.604		
3,400.00	3,109.65	3,432.03	3,338.43	23.55	16.63	-126.61	1,117.25	-404.03	1,504.09	1,468.99	35.11	42.842		
3,500.00	3,190.29	3,504.18	3,408.23	24.74	17.03	-127.42	1,126.36	-388.21	1,527.86	1,491.69	36.17	42.240		
3,600.00	3,270.93	3,584.23	3,485.76	25.94	17.47	-128.29	1,137.00	-371.36	1,553.14	1,515.88	37.26	41.688		
3,700.00	3,351.57	3,678.64	3,577.37	27.14	17.99	-129.32	1,149.11	-352.04	1,579.28	1,540.89	38.39	41.133		
3,800.00	3,432.21	3,796.67	3,692.01	28.35	18.63	-130.60	1,162.45	-327.32	1,605.02	1,565.40	39.62	40.512		
3,900.00	3,512.85	3,897.06	3,789.54	29.56	19.17	-131.71	1,172.13	-305.57	1,630.12	1,589.42	40.71	40.047		
4,000.00	3,593.49	3,983.02	3,872.97	30.76	19.64	-132.61	1,180.82	-286.85	1,655.78	1,614.08	41.71	39.701		
4,100.00	3,674.13	4,058.02	3,945.91	31.97	20.04	-133.38	1,188.52	-271.13	1,682.68	1,640.05	42.63	39.472		
4,200.00	3,754.77	4,147.60	4,033.05	33.19	20.52	-134.27	1,198.19	-252.79	1,710.60	1,666.98	43.62	39.217		
4,300.00	3,835.41	4,275.63	4,156.85	34.40	21.24	-135.39	1,214.62	-224.59	1,737.96	1,693.09	44.86	38.738		
4,400.00	3,916.05	4,379.13	4,256.66	35.62	21.83	-136.27	1,227.38	-200.37	1,764.26	1,718.31	45.95	38.394		
4,500.00	3,996.69	4,515.11	4,387.69	36.83	22.63	-137.41	1,243.02	-167.56	1,790.22	1,743.04	47.18	37.944		
4,600.00	4,077.33	4,704.44	4,566.72	38.05	23.88	-138.72	1,269.05	-111.97	1,811.15	1,762.41	48.75	37.154		
4,700.00	4,157.96	4,765.00	4,623.45	39.27	24.30	-139.09	1,278.59	-93.03	1,831.61	1,781.91	49.70	36.855		
4,800.00	4,238.60	4,816.86	4,672.39	40.49	24.64	-139.40	1,286.72	-77.91	1,854.37	1,803.81	50.55	36.682		
4,900.00	4,319.24	4,861.79	4,715.20	41.71	24.93	-139.68	1,293.73	-66.25	1,880.07	1,828.76	51.32	36.636		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1K-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 318-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	4,399.88	4,929.67	4,780.23	42.93	25.34	-140.11	1,304.28	-49.90	1,907.82	1,855.64	52.18	36.560		
5,100.00	4,480.52	5,050.85	4,896.29	44.15	26.08	-140.84	1,323.36	-20.74	1,935.83	1,882.44	53.39	36.255		
5,200.00	4,561.16	5,138.45	4,979.85	45.37	26.62	-141.32	1,338.11	1.04	1,963.37	1,908.97	54.40	36.091		
5,300.00	4,641.80	5,210.00	5,048.47	46.59	27.06	-141.74	1,348.87	18.19	1,991.73	1,936.48	55.26	36.045		
5,400.00	4,722.44	5,279.62	5,115.66	47.82	27.45	-142.18	1,358.11	33.93	2,021.38	1,965.34	56.05	36.067		
5,500.00	4,803.08	5,350.98	5,184.82	49.04	27.85	-142.65	1,367.00	49.08	2,052.42	1,995.61	56.81	36.128		
5,600.00	4,883.72	5,441.03	5,272.46	50.27	28.33	-143.27	1,376.69	67.39	2,084.36	2,026.71	57.65	36.158		
5,700.00	4,964.36	5,514.81	5,344.07	51.49	29.30	-144.44	1,394.41	106.91	2,113.89	2,054.94	58.95	35.859		
5,800.00	5,045.00	5,588.87	5,411.98	52.71	29.73	-144.86	1,403.90	124.71	2,142.95	2,083.21	59.74	35.870		
5,900.00	5,125.64	5,663.00	5,488.05	53.94	30.06	-145.15	1,411.56	137.50	2,173.23	2,112.81	60.41	35.972		
6,000.00	5,206.28	5,742.20	5,568.44	55.17	30.36	-145.45	1,419.07	149.36	2,205.28	2,144.23	61.05	36.122		
6,100.00	5,286.92	5,821.28	5,647.21	56.39	30.63	-145.73	1,425.28	158.88	2,239.50	2,177.89	61.61	36.348		
6,200.00	5,367.56	5,901.22	5,726.65	57.62	30.96	-146.12	1,432.97	170.72	2,275.17	2,212.91	62.26	36.545		
6,300.00	5,448.20	5,981.87	5,807.05	58.84	31.82	-147.04	1,451.27	202.74	2,308.41	2,244.84	63.56	36.317		
6,400.00	5,528.84	6,062.13	5,887.47	60.07	32.49	-147.76	1,464.35	228.99	2,341.72	2,277.14	64.58	36.259		
6,500.00	5,609.47	6,143.54	5,968.60	61.30	33.83	-148.88	1,491.03	284.53	2,371.51	2,305.29	66.21	35.816		
6,600.00	5,690.11	6,224.39	6,049.76	62.53	34.26	-149.08	1,503.55	302.29	2,399.09	2,332.04	67.04	35.785		
6,700.00	5,770.75	6,305.00	6,130.95	63.75	34.57	-149.21	1,512.61	314.03	2,428.43	2,360.71	67.72	35.862		
6,800.00	5,851.39	6,385.76	6,211.33	64.98	35.02	-149.43	1,526.02	331.35	2,459.15	2,390.60	68.55	35.873		
6,900.00	5,932.03	6,466.19	6,292.19	66.21	36.19	-150.17	1,554.29	379.03	2,489.61	2,419.50	70.10	35.513		
7,000.00	6,012.67	6,546.40	6,373.62	67.44	37.20	-150.73	1,575.99	423.09	2,514.85	2,443.50	71.35	35.245		
7,100.00	6,093.31	6,626.67	6,454.68	68.66	37.59	-150.92	1,585.24	439.82	2,541.06	2,468.98	72.08	35.251		
7,200.00	6,173.95	6,706.92	6,535.25	69.89	37.97	-151.15	1,593.27	455.77	2,569.03	2,496.25	72.77	35.301		
7,300.00	6,254.59	6,787.18	6,615.65	71.12	38.39	-151.48	1,600.12	474.20	2,598.21	2,524.77	73.44	35.378		
7,400.00	6,335.23	6,867.96	6,696.31	72.35	38.89	-151.98	1,604.34	497.14	2,627.80	2,553.71	74.09	35.468		
7,500.00	6,415.87	6,948.17	6,776.59	73.58	39.28	-152.43	1,605.40	515.72	2,657.96	2,583.35	74.61	35.626		
7,600.00	6,496.51	7,028.40	6,857.42	74.81	39.72	-153.06	1,603.19	538.14	2,688.99	2,613.91	75.09	35.812		
7,700.00	6,577.15	7,108.66	6,938.20	76.04	41.24	-157.25	1,508.63	649.85	2,716.75	2,642.50	74.25	36.589		
7,800.00	6,657.79	7,188.96	7,018.90	77.27	41.44	-158.06	1,484.55	669.80	2,740.67	2,666.36	74.32	36.877		
7,900.00	6,738.43	7,269.33	7,099.33	78.50	41.61	-158.76	1,462.34	685.34	2,766.67	2,692.28	74.40	37.188		
8,000.00	6,819.07	7,349.15	7,179.15	79.73	41.67	-159.17	1,448.84	693.61	2,795.13	2,720.58	74.54	37.497		
8,100.00	6,899.71	7,429.62	7,259.46	80.96	41.72	-159.55	1,435.97	700.67	2,826.27	2,751.62	74.65	37.861		
8,200.00	6,980.35	7,509.72	7,339.34	82.18	41.82	-160.20	1,412.82	711.69	2,860.25	2,785.64	74.60	38.339		
8,240.58	7,013.07	7,542.00	7,372.34	82.68	41.82	-160.20	1,412.82	711.69	2,874.61	2,799.95	74.67	38.500		
8,250.00	7,020.68	7,549.00	7,379.34	82.80	41.82	-161.75	1,412.82	711.69	2,878.01	2,803.33	74.68	38.539		
8,300.00	7,061.63	7,590.00	7,420.34	83.40	41.82	-170.45	1,412.82	711.69	2,896.32	2,821.57	74.75	38.749		
8,350.00	7,103.23	7,631.00	7,461.34	83.97	41.82	-179.78	1,412.82	711.69	2,914.94	2,840.13	74.81	38.965		
8,400.00	7,145.18	7,672.00	7,502.34	84.51	41.82	-170.54	1,412.82	711.69	2,933.72	2,858.86	74.87	39.186		
8,450.00	7,187.16	7,713.00	7,543.98	85.01	41.86	-160.48	1,391.51	720.22	2,951.86	2,877.12	74.75	39.491		
8,500.00	7,228.84	7,754.05	7,585.09	85.46	41.87	-151.05	1,384.01	722.89	2,970.02	2,895.28	74.74	39.737		
8,550.00	7,269.91	7,795.77	7,626.34	85.86	41.89	-142.27	1,376.11	725.54	2,987.73	2,913.00	74.73	39.978		
8,600.00	7,310.05	7,836.00	7,667.40	86.20	41.93	-134.17	1,353.59	732.21	3,005.10	2,930.49	74.61	40.276		
8,650.00	7,348.97	7,876.00	7,708.40	86.50	41.93	-127.19	1,353.59	732.21	3,021.29	2,946.62	74.67	40.460		
8,700.00	7,386.36	7,916.00	7,749.40	86.74	41.93	-121.06	1,353.59	732.21	3,036.81	2,962.07	74.74	40.630		
8,750.00	7,421.94	7,956.00	7,790.40	86.93	41.93	-115.71	1,353.59	732.21	3,051.56	2,976.73	74.83	40.783		
8,800.00	7,455.44	7,996.00	7,831.40	87.07	41.93	-111.09	1,353.59	732.21	3,065.43	2,990.50	74.93	40.913		
8,850.00	7,486.61	8,036.00	7,872.40	87.16	41.93	-107.11	1,353.59	732.21	3,078.33	3,003.27	75.05	41.016		
8,900.00	7,515.20	8,076.78	7,913.44	87.20	41.93	-103.79	1,326.01	738.50	3,088.89	3,013.91	74.98	41.198		
8,950.00	7,541.00	8,117.48	7,954.12	87.21	41.93	-100.99	1,319.53	739.65	3,098.94	3,023.84	75.10	41.263		
9,000.00	7,563.81	8,158.00	7,995.38	87.17	41.93	-98.82	1,287.16	743.71	3,108.71	3,033.66	75.04	41.426		
9,050.00	7,583.47	8,198.00	8,036.38	87.10	41.93	-96.95	1,287.16	743.71	3,115.61	3,040.32	75.29	41.383		
9,100.00	7,599.81	8,238.00	8,077.38	87.00	41.93	-95.46	1,287.16	743.71	3,121.23	3,045.65	75.58	41.299		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1K-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 318-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,150.00	7,612.72	8,150.00	7,780.38	86.88	41.93	94.33	1,287.16	743.71	3,125.53	3,049.62	75.91	41.174		
9,200.00	7,622.09	8,150.00	7,780.38	86.72	41.93	93.54	1,287.16	743.71	3,128.49	3,052.20	76.29	41.007		
9,250.00	7,627.87	8,150.00	7,780.38	86.55	41.93	93.09	1,287.16	743.71	3,130.09	3,053.36	76.72	40.798		
9,303.98	7,630.00	8,180.50	7,799.15	86.35	41.89	93.30	1,263.18	745.41	3,129.88	3,052.89	76.99	40.654		
9,384.19	7,630.00	8,205.74	7,813.95	86.04	41.87	93.57	1,242.76	746.42	3,129.12	3,051.54	77.57	40.337		
9,400.00	7,630.00	8,210.87	7,816.87	85.99	41.86	93.63	1,238.55	746.58	3,129.15	3,051.46	77.68	40.280		
9,500.00	7,630.00	8,253.02	7,839.78	85.62	41.82	94.05	1,203.19	747.40	3,130.66	3,052.35	78.31	39.978		
9,600.00	7,630.00	8,349.79	7,883.56	85.28	41.68	94.85	1,116.99	748.17	3,133.36	3,055.02	78.34	39.997		
9,700.00	7,630.00	8,443.11	7,910.23	84.95	41.54	95.33	1,027.69	747.63	3,136.29	3,057.98	78.30	40.053		
9,800.00	7,630.00	8,540.10	7,927.92	84.64	41.40	95.65	932.38	745.48	3,139.95	3,061.70	78.24	40.130		
9,900.00	7,630.00	8,660.20	7,940.27	84.34	41.27	95.87	812.98	743.23	3,142.43	3,064.37	78.06	40.256		
10,000.00	7,630.00	8,849.59	7,944.00	84.06	41.25	95.93	623.69	740.98	3,143.25	3,065.58	77.67	40.470		
10,100.00	7,630.00	8,995.86	7,937.97	83.80	41.42	95.83	477.55	741.50	3,142.02	3,064.05	77.97	40.297		
10,200.00	7,630.00	9,062.72	7,935.28	83.56	41.55	95.78	410.74	741.85	3,140.82	3,062.20	78.62	39.951		
10,230.08	7,630.00	9,076.59	7,934.86	83.48	41.58	95.77	396.88	741.80	3,140.74	3,061.91	78.83	39.840		
10,300.00	7,630.00	9,108.83	7,934.10	83.33	41.65	95.76	364.65	741.42	3,141.16	3,061.84	79.32	39.601		
10,400.00	7,630.00	9,226.20	7,932.46	83.12	41.98	95.72	247.32	739.25	3,142.60	3,062.47	80.13	39.218		
10,500.00	7,630.00	9,290.86	7,932.13	82.92	42.20	95.72	182.67	738.14	3,143.89	3,062.90	80.98	38.823		
10,600.00	7,630.00	9,533.63	7,933.05	82.75	43.42	95.74	-60.06	739.15	3,142.88	3,059.90	82.97	37.879		
10,700.00	7,630.00	9,649.54	7,932.87	82.59	44.22	95.74	-175.93	741.62	3,140.49	3,055.95	84.54	37.148		
10,800.00	7,630.00	9,697.15	7,934.13	82.45	44.57	95.76	-223.50	742.94	3,137.86	3,052.33	85.53	36.685		
10,900.00	7,630.00	9,754.00	7,935.47	82.33	45.02	95.79	-280.33	742.85	3,137.50	3,050.86	86.64	36.213		
10,907.28	7,630.00	9,754.00	7,935.47	82.32	45.02	95.79	-280.33	742.85	3,137.49	3,050.81	86.68	36.197		
11,000.00	7,630.00	9,773.94	7,935.88	82.22	45.17	95.80	-300.26	742.42	3,138.74	3,051.38	87.35	35.931		
11,100.00	7,630.00	9,825.66	7,936.72	82.14	45.57	95.81	-351.94	740.73	3,141.83	3,053.40	88.42	35.532		
11,200.00	7,630.00	11,200.00	7,937.17	82.08	60.09	95.81	-455.32	736.47	3,145.63	3,041.87	103.76	30.316		
11,300.00	7,630.00	9,996.92	7,937.76	82.04	47.02	95.82	-523.05	733.63	3,149.66	3,058.20	91.46	34.436		
11,400.00	7,630.00	10,056.02	7,939.85	82.02	47.56	95.85	-582.03	730.40	3,155.09	3,062.38	92.72	34.029		
11,500.00	7,630.00	10,154.18	7,944.58	82.03	48.48	95.92	-679.86	724.07	3,161.68	3,067.09	94.59	33.424		
11,600.00	7,630.00	11,600.00	7,948.70	82.06	65.83	95.98	-872.54	715.16	3,166.00	3,052.12	113.88	27.801		
11,700.00	7,630.00	10,434.33	7,950.42	82.12	51.46	96.01	-959.69	712.53	3,168.95	3,068.88	100.07	31.669		
11,800.00	7,630.00	10,843.35	7,966.32	82.21	56.62	96.31	-1,367.95	718.53	3,167.30	3,058.35	108.95	29.071		
11,900.00	7,630.00	10,884.00	7,966.43	82.33	57.18	96.31	-1,408.55	720.36	3,162.26	3,052.14	110.12	28.718		
12,000.00	7,630.00	11,009.75	7,966.34	82.48	58.91	96.32	-1,534.20	725.50	3,157.93	3,044.66	113.27	27.879		
12,100.00	7,630.00	11,104.38	7,966.20	82.66	60.24	96.33	-1,628.71	730.12	3,152.73	3,036.98	115.76	27.236		
12,200.00	7,630.00	11,152.00	7,966.16	82.88	60.92	96.33	-1,676.29	732.21	3,148.35	3,031.23	117.11	26.883		
12,300.00	7,630.00	11,209.04	7,966.13	83.14	61.72	96.34	-1,733.30	733.84	3,145.42	3,026.72	118.69	26.501		
12,392.24	7,630.00	11,241.00	7,966.09	83.42	62.17	96.34	-1,765.26	734.11	3,144.45	3,024.83	119.62	26.287		
12,400.00	7,630.00	11,241.00	7,966.09	83.44	62.17	96.34	-1,765.26	734.11	3,144.46	3,024.83	119.63	26.285		
12,500.00	7,630.00	11,283.79	7,966.03	83.79	62.76	96.34	-1,808.05	733.63	3,145.46	3,024.64	120.82	26.034		
12,600.00	7,630.00	11,330.00	7,965.95	84.18	63.40	96.33	-1,854.22	731.86	3,148.62	3,026.54	122.08	25.791		
12,700.00	7,630.00	11,640.33	7,965.33	84.61	67.85	96.32	-2,164.37	729.13	3,149.31	3,018.86	130.45	24.143		
12,800.00	7,630.00	11,729.09	7,965.16	85.10	69.18	96.32	-2,253.12	730.87	3,146.96	3,013.98	132.98	23.665		
12,900.00	7,630.00	11,891.78	7,963.51	85.64	71.65	96.30	-2,415.71	736.14	3,143.22	3,005.61	137.62	22.840		
13,000.00	7,630.00	11,978.48	7,961.88	86.22	72.98	96.28	-2,502.32	739.76	3,138.58	2,998.42	140.16	22.392		
13,100.00	7,630.00	12,043.00	7,960.66	86.86	73.97	96.26	-2,566.80	741.36	3,135.38	2,993.30	142.08	22.068		
13,200.00	7,630.00	12,069.36	7,960.16	87.56	74.37	96.25	-2,593.16	741.55	3,133.71	2,990.85	142.86	21.936		
13,233.48	7,630.00	12,082.74	7,959.91	87.80	74.58	96.25	-2,606.53	741.53	3,133.60	2,990.35	143.25	21.876		
13,300.00	7,630.00	12,132.00	7,958.98	88.30	75.32	96.23	-2,655.78	740.67	3,134.23	2,989.55	144.68	21.663		
13,400.00	7,630.00	12,268.27	7,956.37	89.10	77.41	96.18	-2,792.01	739.50	3,134.67	2,985.95	148.72	21.077		
13,500.00	7,630.00	12,360.46	7,954.67	89.94	78.83	96.15	-2,884.18	739.46	3,134.18	2,982.70	151.47	20.691		
13,600.00	7,630.00	12,567.48	7,952.91	90.84	82.09	96.12	-3,091.14	742.77	3,132.21	2,974.42	157.79	19.850		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1K-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 318-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
13,700.00	7,630.00	12,654.13	7,952.61	91.78	83.47	96.12	-3,177.75	745.61	3,128.59	2,968.13	160.46	19.498		
13,800.00	7,630.00	12,762.08	7,952.23	92.77	85.20	96.12	-3,285.65	748.92	3,125.18	2,961.37	163.80	19.079		
13,900.00	7,630.00	12,844.00	7,952.09	93.79	86.52	96.13	-3,367.53	751.35	3,121.87	2,955.52	166.35	18.767		
14,000.00	7,630.00	12,884.99	7,952.06	94.86	87.17	96.13	-3,408.52	752.08	3,119.78	2,952.20	167.58	18.617		
14,058.22	7,630.00	12,908.50	7,952.04	95.50	87.54	96.13	-3,432.03	752.14	3,119.44	2,951.18	168.27	18.539		
14,100.00	7,630.00	12,934.00	7,952.01	95.97	87.95	96.13	-3,457.52	751.90	3,119.63	2,950.60	169.03	18.456		
14,200.00	7,630.00	12,969.31	7,951.97	97.11	88.51	96.13	-3,492.83	751.11	3,121.29	2,951.30	169.99	18.362		
14,300.00	7,630.00	13,023.00	7,951.87	98.28	89.35	96.12	-3,546.47	748.96	3,124.77	2,953.24	171.52	18.218		
14,400.00	7,630.00	13,125.36	7,951.64	99.48	90.95	96.11	-3,648.72	744.14	3,129.10	2,954.39	174.71	17.910		
14,500.00	7,630.00	13,237.20	7,951.46	100.72	92.71	96.10	-3,760.46	739.62	3,132.75	2,954.51	178.24	17.576		
14,600.00	7,630.00	13,343.74	7,951.28	101.97	94.40	96.09	-3,866.92	735.36	3,136.39	2,954.78	181.61	17.270		
14,700.00	7,630.00	13,443.92	7,950.93	103.26	96.00	96.07	-3,967.03	731.70	3,139.64	2,954.88	184.77	16.993		
14,800.00	7,630.00	13,560.63	7,950.74	104.56	97.86	96.06	-4,083.67	727.52	3,142.87	2,954.35	188.52	16.671		
14,900.00	7,630.00	13,874.21	7,953.55	105.89	102.99	96.11	-4,397.11	726.18	3,144.64	2,945.65	198.99	15.803		
15,000.00	7,630.00	15,000.00	7,956.21	107.24	121.94	96.17	-4,516.33	731.26	3,140.29	2,920.36	219.93	14.279		
15,100.00	7,630.00	14,068.43	7,958.20	108.60	106.25	96.21	-4,591.08	734.65	3,135.84	2,930.49	205.35	15.271		
15,200.00	7,630.00	14,133.00	7,959.32	109.98	107.33	96.24	-4,655.62	736.58	3,132.69	2,925.25	207.44	15.102		
15,300.00	7,630.00	14,202.83	7,960.48	111.38	108.49	96.26	-4,725.42	737.99	3,130.54	2,920.85	209.68	14.930		
15,400.00	7,630.00	14,270.00	7,961.59	112.79	109.61	96.29	-4,792.58	738.71	3,129.34	2,917.53	211.82	14.774		
15,468.55	7,630.00	14,319.04	7,962.40	113.77	110.43	96.30	-4,841.61	738.82	3,129.10	2,915.72	213.37	14.665		
15,500.00	7,630.00	14,340.26	7,962.76	114.22	110.78	96.31	-4,862.83	738.75	3,129.15	2,915.11	214.04	14.619		
15,600.00	7,630.00	14,402.95	7,963.80	115.66	111.82	96.33	-4,925.50	738.09	3,130.05	2,914.08	215.97	14.493		
15,700.00	7,630.00	15,700.00	7,965.55	117.11	133.40	96.35	-5,032.58	736.22	3,131.64	2,892.12	239.53	13.074		
15,800.00	7,630.00	14,665.96	7,967.86	118.57	116.19	96.40	-5,188.46	736.01	3,131.37	2,906.56	224.81	13.929		
15,900.00	7,630.00	14,754.69	7,969.13	120.05	117.68	96.42	-5,277.18	736.15	3,131.04	2,903.33	227.72	13.750		
15,929.42	7,630.00	14,779.99	7,969.49	120.48	118.10	96.43	-5,302.47	736.12	3,131.02	2,902.48	228.54	13.700		
16,000.00	7,630.00	14,853.53	7,970.55	121.53	119.33	96.45	-5,376.01	735.96	3,131.05	2,900.07	230.98	13.555		
16,100.00	7,630.00	14,957.27	7,972.13	123.03	121.07	96.48	-5,479.74	736.04	3,130.81	2,896.38	234.43	13.355		
16,200.00	7,630.00	15,090.46	7,973.96	124.53	123.31	96.51	-5,612.91	736.85	3,130.02	2,891.07	238.95	13.099		
16,300.00	7,630.00	15,163.00	7,973.54	126.04	124.54	96.51	-5,685.45	737.06	3,129.29	2,888.00	241.28	12.969		
16,312.39	7,630.00	15,163.00	7,973.54	126.23	124.54	96.51	-5,685.45	737.06	3,129.26	2,888.02	241.25	12.971		
16,400.00	7,630.00	15,217.52	7,972.55	127.56	125.45	96.49	-5,739.95	736.50	3,129.70	2,886.76	242.94	12.883		
16,500.00	7,630.00	15,292.70	7,971.26	129.09	126.71	96.46	-5,815.10	734.87	3,131.29	2,885.97	245.32	12.764		
16,600.00	7,630.00	15,384.69	7,968.94	130.62	128.25	96.41	-5,907.04	732.49	3,133.24	2,884.90	248.34	12.617		
16,700.00	7,630.00	15,465.70	7,967.96	132.16	129.60	96.39	-5,988.00	730.21	3,135.59	2,884.65	250.94	12.496		
16,800.00	7,630.00	15,537.66	7,967.83	133.71	130.80	96.39	-6,059.92	727.68	3,138.74	2,885.56	253.18	12.397		
16,900.00	7,630.00	16,194.49	7,977.02	135.27	142.04	96.61	-6,713.31	753.30	3,141.10	2,866.00	275.10	11.418		
17,000.00	7,630.00	16,232.00	7,979.80	136.83	142.71	96.67	-6,750.36	758.47	3,127.99	2,851.23	276.76	11.302		
17,100.00	7,630.00	16,276.91	7,983.79	138.39	143.50	96.76	-6,794.76	763.90	3,116.72	2,838.18	278.54	11.189		
17,200.00	7,630.00	16,321.00	7,988.08	139.97	144.27	96.85	-6,838.41	768.37	3,107.36	2,827.13	280.22	11.089		
17,300.00	7,630.00	16,321.00	7,988.08	141.54	144.27	96.85	-6,838.41	768.37	3,100.42	2,820.08	280.34	11.059		
17,400.00	7,630.00	16,373.37	7,992.91	143.12	145.18	96.94	-6,890.43	771.93	3,095.10	2,813.02	282.09	10.972		
17,500.00	7,630.00	16,410.00	7,995.72	144.71	145.82	97.00	-6,926.93	772.97	3,092.53	2,809.34	283.20	10.920		
17,575.02	7,630.00	16,431.36	7,997.08	145.91	146.18	97.02	-6,948.25	773.14	3,091.99	2,808.27	283.72	10.898		
17,600.00	7,630.00	16,443.94	7,997.75	146.30	146.39	97.04	-6,960.82	773.16	3,092.04	2,807.95	284.09	10.884		
17,700.00	7,630.00	16,499.00	7,999.54	147.90	147.33	97.07	-7,015.84	772.49	3,093.25	2,807.54	285.71	10.826		
17,800.00	7,630.00	16,626.70	8,001.48	149.50	149.50	97.10	-7,143.50	770.36	3,094.79	2,804.61	290.17	10.665		
17,900.00	7,630.00	16,725.09	8,002.88	151.10	151.18	97.12	-7,241.88	769.42	3,095.58	2,802.10	293.49	10.548		
18,000.00	7,630.00	16,836.31	8,004.44	152.71	153.07	97.15	-7,353.07	768.03	3,096.69	2,799.39	297.30	10.416		
18,100.00	7,630.00	16,947.61	8,005.93	154.32	154.97	97.18	-7,464.37	767.40	3,097.08	2,795.95	301.13	10.285		
18,200.00	7,630.00	17,039.57	8,007.17	155.94	156.54	97.20	-7,556.32	766.82	3,097.53	2,793.33	304.21	10.182		
18,300.00	7,630.00	17,151.07	8,008.72	157.56	158.45	97.23	-7,667.80	766.56	3,097.57	2,789.53	308.04	10.056		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SEC 22-T1N-R68W - EXIST HZ COSSLETT 1K-22H-B168 - OWB - FINAL SURVEY												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 318-MWD OWSG												<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
18,400.00	7,630.00	17,212.00	8,009.58	159.18	159.50	97.24	-7,728.73	766.04	3,098.31	2,788.41	309.90	9.998	
18,500.00	7,630.00	17,264.37	8,010.05	160.80	160.39	97.25	-7,781.07	764.82	3,100.45	2,789.09	311.37	9.958	
18,600.00	7,630.00	17,301.00	8,010.05	162.43	161.01	97.25	-7,817.68	763.37	3,104.30	2,792.20	312.09	9.947	
18,700.00	7,630.00	17,364.74	8,009.59	164.06	162.08	97.23	-7,881.31	759.77	3,109.62	2,795.73	313.90	9.906	
18,800.00	7,630.00	17,390.00	8,009.27	165.70	162.50	97.22	-7,906.51	757.98	3,116.78	2,802.86	313.92	9.929	
18,900.00	7,630.00	17,451.57	8,008.37	167.33	163.52	97.19	-7,967.82	752.47	3,125.45	2,809.95	315.51	9.906 SF	
19,000.00	7,630.00	17,479.00	8,007.94	168.97	163.97	97.18	-7,995.08	749.45	3,136.22	2,820.82	315.40	9.944	
19,021.79	7,630.00	17,479.00	8,007.94	169.33	163.97	97.18	-7,995.08	749.45	3,138.92	2,823.86	315.06	9.963	

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1L-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 318-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	-51.84	786.52	-1,000.98	1,273.06					
100.00	100.00	89.33	89.33	0.13	0.15	-51.83	786.67	-1,000.89	1,273.04	1,272.76	0.28	4,496.820		
200.00	200.00	188.58	188.57	0.49	0.31	-51.81	787.18	-1,000.59	1,273.12	1,272.32	0.81	1,578.097		
300.00	300.00	287.82	287.81	0.85	0.48	-51.76	788.07	-1,000.07	1,273.26	1,271.93	1.33	957.067		
400.00	400.00	385.99	385.98	1.21	0.77	-51.70	789.27	-999.41	1,273.49	1,271.51	1.98	642.195		
500.00	500.00	483.70	483.67	1.57	1.12	-51.63	790.68	-998.80	1,273.90	1,271.21	2.69	473.237		
600.00	600.00	581.40	581.35	1.93	1.47	-51.56	792.30	-998.25	1,274.49	1,271.09	3.40	374.753		
700.00	700.00	769.57	769.18	2.29	2.15	-51.18	795.63	-988.93	1,271.72	1,267.29	4.44	286.745		
800.00	799.98	932.97	930.67	2.64	2.80	-112.34	801.79	-965.16	1,263.27	1,257.87	5.40	233.868		
900.00	899.84	1,032.83	1,028.24	2.99	3.24	-111.89	808.98	-945.19	1,254.32	1,248.15	6.17	203.300		
1,000.00	999.45	1,138.28	1,129.99	3.35	3.76	-111.28	820.13	-919.91	1,245.84	1,238.82	7.02	177.551		
1,100.00	1,098.70	1,219.87	1,207.91	3.73	4.19	-110.76	831.86	-898.76	1,239.75	1,231.94	7.81	158.765		
1,200.00	1,197.47	1,318.17	1,301.11	4.11	4.76	-110.10	848.59	-872.38	1,236.11	1,227.37	8.74	141.369		
1,300.00	1,295.62	1,413.24	1,390.24	4.53	5.34	-109.43	866.46	-844.54	1,233.19	1,223.46	9.73	126.805		
1,349.97	1,344.41	1,450.99	1,425.62	4.75	5.58	-109.19	873.94	-833.71	1,232.79	1,222.61	10.18	121.110		
1,400.00	1,393.06	1,503.70	1,475.01	4.97	5.92	-108.88	884.60	-818.70	1,232.92	1,222.19	10.73	114.886		
1,500.00	1,489.64	1,660.13	1,620.68	5.44	6.98	-108.10	914.28	-770.14	1,231.23	1,219.01	12.22	100.792		
1,588.03	1,573.88	1,723.00	1,679.08	5.89	7.42	-107.88	926.00	-750.00	1,229.97	1,216.87	13.10	93.898 CC		
1,600.00	1,585.27	1,732.12	1,687.56	5.95	7.49	-107.85	927.77	-747.15	1,230.00	1,216.77	13.22	93.019		
1,700.00	1,679.82	1,839.08	1,787.09	6.51	8.24	-107.60	948.49	-713.91	1,230.99	1,216.48	14.50	84.886		
1,776.71	1,751.54	1,936.43	1,877.80	6.98	8.92	-107.55	965.44	-682.91	1,230.90	1,215.29	15.61	78.846		
1,800.00	1,773.17	1,957.88	1,897.85	7.13	9.08	-107.57	968.99	-676.15	1,230.95	1,215.05	15.90	77.440		
1,900.00	1,865.21	2,065.33	1,998.66	7.79	9.82	-107.80	985.94	-643.05	1,231.79	1,214.55	17.24	71.445		
2,000.00	1,955.84	2,180.15	2,106.90	8.51	10.60	-108.32	1,001.43	-608.06	1,232.38	1,213.73	18.65	66.088 ES		
2,100.00	2,044.94	2,257.00	2,179.71	9.30	11.10	-108.79	1,011.37	-585.57	1,234.73	1,214.87	19.86	62.159		
2,200.00	2,132.39	2,361.46	2,279.22	10.15	11.77	-109.65	1,024.18	-556.50	1,239.07	1,217.82	21.25	58.309		
2,300.00	2,218.11	2,456.90	2,370.46	11.07	12.36	-110.60	1,034.60	-530.52	1,244.53	1,221.93	22.61	55.054		
2,400.00	2,301.97	2,534.81	2,444.99	12.06	12.84	-111.40	1,043.78	-509.74	1,252.68	1,228.78	23.90	52.407		
2,500.00	2,383.88	2,612.15	2,518.98	13.11	13.32	-112.22	1,053.92	-489.68	1,264.08	1,238.85	25.23	50.106		
2,512.74	2,394.17	2,621.93	2,528.35	13.25	13.38	-112.32	1,055.27	-487.19	1,265.77	1,240.37	25.40	49.838		
2,600.00	2,464.54	2,690.15	2,593.65	14.22	13.80	-113.27	1,065.11	-470.09	1,278.29	1,251.73	26.57	48.118		
2,700.00	2,545.18	2,790.16	2,689.39	15.35	14.41	-114.62	1,079.96	-445.28	1,293.76	1,265.73	28.03	46.159		
2,800.00	2,625.82	2,919.86	2,813.14	16.50	15.23	-116.31	1,098.00	-410.91	1,307.97	1,278.32	29.66	44.105		
2,900.00	2,706.45	3,025.89	2,913.97	17.65	15.91	-117.64	1,111.92	-381.23	1,321.26	1,290.13	31.13	42.443		
3,000.00	2,787.09	3,143.35	3,025.45	18.82	16.69	-119.09	1,126.55	-347.26	1,334.07	1,301.42	32.65	40.863		
3,100.00	2,867.73	3,234.55	3,111.29	19.99	17.32	-120.12	1,139.12	-319.12	1,346.48	1,312.43	34.05	39.548		
3,200.00	2,948.37	3,294.16	3,167.26	21.17	17.73	-120.73	1,148.89	-301.10	1,361.11	1,325.85	35.26	38.601		
3,300.00	3,029.01	3,412.04	3,277.97	22.36	18.56	-121.89	1,169.08	-266.05	1,376.96	1,340.13	36.83	37.390		
3,400.00	3,109.65	3,509.50	3,369.38	23.55	19.24	-122.84	1,184.97	-236.20	1,391.99	1,353.75	38.24	36.398		
3,500.00	3,190.29	3,590.99	3,445.48	24.74	19.83	-123.56	1,199.55	-210.95	1,407.78	1,368.22	39.56	35.584		
3,600.00	3,270.93	3,663.00	3,513.20	25.94	20.33	-124.22	1,212.49	-190.20	1,425.72	1,384.94	40.78	34.962		
3,700.00	3,351.57	3,761.72	3,606.49	27.14	20.99	-125.15	1,229.62	-162.82	1,444.84	1,402.72	42.13	34.297		
3,800.00	3,432.21	3,850.81	3,690.75	28.35	21.58	-125.98	1,244.47	-137.99	1,463.92	1,420.54	43.38	33.745		
3,900.00	3,512.85	3,938.92	3,755.41	29.56	22.02	-126.62	1,255.82	-119.87	1,484.49	1,440.03	44.46	33.391		
4,000.00	3,593.49	3,992.38	3,825.45	30.76	22.49	-127.31	1,268.38	-101.58	1,507.07	1,461.54	45.53	33.099		
4,100.00	3,674.13	4,091.40	3,920.32	31.97	23.09	-128.26	1,284.26	-78.11	1,530.77	1,484.04	46.73	32.756		
4,200.00	3,754.77	4,223.52	4,047.18	33.19	23.89	-129.60	1,301.84	-45.65	1,553.17	1,505.11	48.06	32.315		
4,300.00	3,835.41	4,337.48	4,156.17	34.40	24.59	-130.73	1,315.63	-15.37	1,573.72	1,524.48	49.25	31.956		
4,400.00	3,916.05	4,406.00	4,222.08	35.62	25.00	-131.43	1,323.23	1.73	1,595.83	1,545.70	50.14	31.829		
4,500.00	3,996.69	4,508.46	4,320.84	36.83	25.60	-132.48	1,334.16	26.71	1,618.99	1,567.83	51.16	31.643		
4,600.00	4,077.33	4,597.83	4,406.41	38.05	26.15	-133.29	1,345.60	49.79	1,641.79	1,589.63	52.16	31.474		
4,700.00	4,157.96	4,659.07	4,465.20	39.27	26.52	-133.83	1,353.79	64.88	1,666.19	1,613.21	52.98	31.451		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1L-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 318-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,800.00	4,238.60	4,851.00	4,649.25	40.49	27.69	-135.48	1,378.58	113.17	1,691.57	1,637.06	54.51	31.030		
4,900.00	4,319.24	4,909.78	4,705.26	41.71	28.05	-135.98	1,385.28	129.68	1,712.99	1,657.68	55.31	30.971		
5,000.00	4,399.88	4,964.57	4,757.93	42.93	28.39	-136.47	1,391.02	143.66	1,736.93	1,680.91	56.02	31.003		
5,100.00	4,480.52	5,030.00	4,821.07	44.15	28.77	-137.02	1,398.73	158.95	1,763.36	1,706.60	56.76	31.064		
5,200.00	4,561.16	5,144.84	4,931.29	45.37	29.46	-137.87	1,415.25	186.61	1,790.08	1,732.21	57.87	30.931		
5,300.00	4,641.80	5,208.00	4,991.69	46.59	29.85	-138.30	1,425.17	202.19	1,816.86	1,758.21	58.65	30.977		
5,400.00	4,722.44	5,268.10	5,049.47	47.82	30.19	-138.71	1,434.37	215.91	1,845.54	1,786.18	59.36	31.092		
5,500.00	4,803.08	5,377.36	5,155.27	49.04	30.80	-139.51	1,449.42	238.66	1,876.05	1,815.68	60.37	31.076		
5,600.00	4,883.72	5,528.77	5,301.44	50.27	31.68	-140.61	1,468.25	273.34	1,904.81	1,843.20	61.61	30.918		
5,700.00	4,964.36	5,629.63	5,397.99	51.49	32.29	-141.28	1,481.56	299.31	1,930.90	1,868.34	62.56	30.865		
5,800.00	5,045.00	5,682.17	5,448.41	52.71	32.60	-141.62	1,488.66	312.24	1,958.51	1,895.32	63.19	30.996		
5,900.00	5,125.64	5,742.00	5,506.36	53.94	32.94	-142.02	1,496.27	325.03	1,988.86	1,925.04	63.81	31.167		
6,000.00	5,206.28	5,788.85	5,552.01	55.17	33.18	-142.36	1,501.62	334.06	2,021.14	1,956.86	64.29	31.440		
6,100.00	5,286.92	5,899.59	5,660.14	56.39	33.75	-143.17	1,512.77	355.23	2,054.20	1,989.04	65.16	31.526		
6,200.00	5,367.56	6,063.54	5,818.80	57.62	34.67	-144.17	1,533.66	390.79	2,085.36	2,018.87	66.49	31.365		
6,300.00	5,448.20	6,149.01	5,900.66	58.84	35.18	-144.60	1,547.06	411.39	2,114.55	2,047.20	67.34	31.400		
6,400.00	5,528.84	6,215.41	5,964.71	60.07	35.56	-144.97	1,556.16	426.30	2,145.24	2,077.23	68.02	31.540		
6,500.00	5,609.47	6,291.05	6,037.75	61.30	35.99	-145.36	1,566.97	442.73	2,176.89	2,108.14	68.75	31.665		
6,600.00	5,690.11	6,351.38	6,096.20	62.53	36.32	-145.68	1,575.40	455.09	2,209.81	2,140.47	69.34	31.869		
6,700.00	5,770.75	6,437.64	6,180.13	63.75	36.78	-146.16	1,586.18	471.83	2,243.83	2,173.74	70.09	32.014		
6,800.00	5,851.39	6,500.00	6,342.17	64.98	38.79	-147.08	1,605.92	506.89	2,276.51	2,204.24	72.26	31.503		
6,900.00	5,932.03	6,600.00	6,547.73	66.21	39.54	-148.15	1,632.55	563.03	2,303.25	2,229.89	73.37	31.393		
7,000.00	6,012.67	6,873.17	6,598.81	67.44	39.36	-148.37	1,640.49	577.72	2,330.34	2,256.72	73.62	31.654		
7,100.00	6,093.31	6,939.89	6,662.68	68.66	39.77	-148.66	1,649.97	594.50	2,359.39	2,285.08	74.31	31.751		
7,200.00	6,173.95	7,013.55	6,733.40	69.89	40.21	-149.00	1,659.44	612.81	2,389.01	2,314.01	75.00	31.852		
7,300.00	6,254.59	7,059.75	6,778.01	71.12	40.48	-149.22	1,664.86	623.51	2,420.33	2,344.85	75.48	32.067		
7,400.00	6,335.23	7,106.10	6,823.02	72.35	40.73	-149.45	1,669.92	633.36	2,453.59	2,377.68	75.91	32.322		
7,500.00	6,415.87	7,500.00	7,133.88	73.58	42.38	-152.29	1,646.44	708.03	2,488.53	2,412.00	76.54	32.513		
7,600.00	6,496.51	7,482.22	7,179.79	74.81	42.28	-153.03	1,628.53	722.58	2,515.29	2,438.91	76.38	32.931		
7,700.00	6,577.15	7,525.00	7,218.49	76.04	42.41	-153.64	1,613.77	733.25	2,545.38	2,469.03	76.35	33.337		
7,800.00	6,657.79	7,525.00	7,218.49	77.27	42.41	-153.64	1,613.77	733.25	2,577.92	2,501.42	76.50	33.699		
7,900.00	6,738.43	7,564.65	7,254.52	78.50	42.49	-154.20	1,599.76	742.05	2,613.14	2,536.74	76.39	34.207		
8,000.00	6,819.07	7,614.00	7,299.06	79.73	42.59	-154.92	1,580.87	751.77	2,651.07	2,574.87	76.20	34.791		
8,100.00	6,899.71	7,641.09	7,323.33	80.96	42.63	-155.32	1,569.91	756.76	2,690.97	2,614.90	76.06	35.379		
8,200.00	6,980.35	7,703.00	7,378.18	82.18	42.74	-156.25	1,543.72	768.50	2,732.25	2,656.49	75.76	36.064		
8,240.58	7,013.07	7,729.28	7,401.14	82.68	42.77	-156.66	1,531.93	773.46	2,749.41	2,673.78	75.63	36.356		
8,250.00	7,020.68	7,732.38	7,403.83	82.80	42.77	-158.34	1,530.50	774.03	2,753.46	2,677.85	75.61	36.419		
8,300.00	7,061.63	7,749.28	7,418.42	83.40	42.79	-167.74	1,522.53	777.09	2,775.20	2,699.69	75.50	36.756		
8,350.00	7,103.23	7,766.89	7,433.48	83.97	42.82	-177.75	1,513.95	780.17	2,797.21	2,721.80	75.41	37.094		
8,400.00	7,145.18	7,792.00	7,454.71	84.51	42.85	-171.85	1,501.22	784.38	2,819.31	2,744.02	75.29	37.444		
8,450.00	7,187.16	7,864.45	7,513.53	85.01	42.91	-161.05	1,460.89	796.99	2,840.96	2,766.00	74.96	37.901		
8,500.00	7,228.84	7,951.33	7,579.32	85.46	42.99	-150.62	1,406.76	813.90	2,861.17	2,786.65	74.52	38.393		
8,550.00	7,269.91	7,970.00	7,592.99	85.86	43.00	-141.61	1,394.63	817.74	2,880.26	2,805.81	74.45	38.687		
8,600.00	7,310.05	7,970.00	7,592.99	86.20	43.00	-133.57	1,394.63	817.74	2,898.89	2,824.41	74.48	38.923		
8,650.00	7,348.97	8,009.11	7,620.21	86.50	43.01	-126.19	1,367.63	825.38	2,916.11	2,841.81	74.30	39.246		
8,700.00	7,386.36	8,023.45	7,629.55	86.74	43.02	-119.87	1,357.05	827.94	2,932.74	2,858.47	74.27	39.490		
8,750.00	7,421.94	8,059.00	7,651.09	86.93	43.03	-114.30	1,329.38	833.71	2,948.56	2,874.46	74.09	39.796		
8,800.00	7,455.44	8,059.00	7,651.09	87.07	43.03	-109.66	1,329.38	833.71	2,962.74	2,888.56	74.18	39.942		
8,850.00	7,486.61	8,059.00	7,651.09	87.16	43.03	-105.67	1,329.38	833.71	2,975.89	2,901.60	74.29	40.058		
8,900.00	7,515.20	8,087.23	7,666.62	87.20	43.00	-102.25	1,306.16	837.74	2,987.56	2,913.35	74.21	40.257		
8,950.00	7,541.00	8,105.54	7,676.01	87.21	42.99	-99.41	1,290.63	840.14	2,997.77	2,923.54	74.23	40.383		
9,000.00	7,563.81	8,148.00	7,695.60	87.17	42.97	-97.09	1,253.29	845.04	3,006.68	2,932.62	74.06	40.599		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1L-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 318-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,050.00	7,583.47	8,148.00	7,695.60	87.10	42.97	95.24	1,253.29	845.04	3,013.45	2,939.15	74.30	40.558		
9,100.00	7,599.81	8,171.60	7,705.38	87.00	42.93	93.83	1,231.95	847.45	3,018.72	2,944.36	74.36	40.594		
9,150.00	7,612.72	8,205.60	7,718.62	86.88	42.90	92.88	1,200.82	850.77	3,022.07	2,947.71	74.36	40.642		
9,200.00	7,622.09	8,237.00	7,729.94	86.72	42.87	92.34	1,171.67	853.69	3,023.45	2,949.04	74.41	40.632		
9,250.00	7,627.87	8,267.60	7,740.28	86.55	42.83	92.20	1,143.00	856.35	3,022.92	2,948.40	74.52	40.564		
9,303.98	7,630.00	8,297.89	7,750.02	86.35	42.79	92.47	1,114.42	858.76	3,020.26	2,945.55	74.71	40.427		
9,400.00	7,630.00	8,327.00	7,758.92	85.99	42.76	92.64	1,086.78	860.86	3,014.53	2,939.20	75.33	40.019		
9,500.00	7,630.00	8,386.67	7,775.11	85.62	42.69	92.96	1,029.46	864.13	3,010.19	2,934.47	75.71	39.758		
9,600.00	7,630.00	8,416.00	7,781.93	85.28	42.66	93.09	1,000.94	865.12	3,008.00	2,931.60	76.40	39.373		
9,654.74	7,630.00	8,445.74	7,787.84	85.09	42.61	93.20	971.81	865.61	3,007.62	2,930.97	76.65	39.237		
9,700.00	7,630.00	8,461.66	7,790.51	84.95	42.59	93.25	956.11	865.63	3,007.84	2,930.91	76.93	39.096		
9,800.00	7,630.00	8,505.00	7,796.00	84.64	42.54	93.35	913.14	864.82	3,009.93	2,932.45	77.48	38.847		
9,900.00	7,630.00	9,900.00	7,804.01	84.34	123.38	93.51	641.06	865.57	3,008.72	2,920.15	88.57	33.971		
10,000.00	7,630.00	8,833.14	7,804.83	84.06	42.46	93.53	585.28	866.93	3,006.29	2,929.51	76.78	39.154		
10,069.12	7,630.00	8,861.00	7,804.98	83.88	42.49	93.53	557.42	867.06	3,005.79	2,928.55	77.24	38.913		
10,100.00	7,630.00	8,861.00	7,804.98	83.80	42.49	93.53	557.42	867.06	3,005.95	2,928.46	77.50	38.789		
10,200.00	7,630.00	8,921.27	7,804.69	83.56	42.53	93.52	497.15	866.18	3,007.28	2,929.17	78.12	38.497		
10,300.00	7,630.00	8,985.36	7,803.77	83.33	42.61	93.50	433.12	863.81	3,010.44	2,931.68	78.76	38.224		
10,400.00	7,630.00	9,169.45	7,803.38	83.12	42.99	93.49	249.10	859.17	3,012.62	2,933.16	79.46	37.913		
10,500.00	7,630.00	9,289.35	7,802.58	82.92	43.42	93.47	129.21	857.93	3,013.33	2,932.84	80.49	37.436		
10,600.00	7,630.00	9,413.52	7,803.34	82.75	44.00	93.49	5.05	858.00	3,012.96	2,931.17	81.79	36.839		
10,700.00	7,630.00	9,518.99	7,803.14	82.59	44.61	93.49	-100.42	858.63	3,012.01	2,928.86	83.14	36.227		
10,800.00	7,630.00	9,610.88	7,802.27	82.45	45.22	93.47	-192.31	858.89	3,011.33	2,926.83	84.50	35.639		
10,893.82	7,630.00	9,685.84	7,800.92	82.33	45.77	93.44	-267.25	859.00	3,010.83	2,925.10	85.73	35.121		
10,900.00	7,630.00	9,688.90	7,800.83	82.33	45.79	93.44	-270.31	858.98	3,010.83	2,925.04	85.79	35.096		
11,000.00	7,630.00	9,752.00	7,798.15	82.22	46.28	93.39	-333.34	857.87	3,011.84	2,924.89	86.95	34.639		
11,100.00	7,630.00	10,000.07	7,797.18	82.14	48.53	93.38	-581.22	859.64	3,010.84	2,920.10	90.74	33.181		
11,200.00	7,630.00	10,087.77	7,800.25	82.08	49.44	93.44	-668.81	862.56	3,007.40	2,914.85	92.55	32.495		
11,300.00	7,630.00	10,198.18	7,803.85	82.04	50.65	93.51	-779.11	865.99	3,004.16	2,909.34	94.83	31.680		
11,400.00	7,630.00	10,303.49	7,807.06	82.02	51.86	93.58	-884.30	869.72	3,000.48	2,903.37	97.12	30.896		
11,500.00	7,630.00	11,500.00	7,809.28	82.03	67.55	93.63	-1,008.50	874.27	2,996.65	2,882.17	114.48	26.176		
11,600.00	7,630.00	10,507.88	7,810.74	82.06	54.34	93.66	-1,088.49	877.85	2,992.07	2,890.29	101.79	29.395		
11,700.00	7,630.00	10,554.00	7,811.05	82.12	54.92	93.67	-1,134.59	879.00	2,989.21	2,886.22	102.99	29.025		
11,800.00	7,630.00	10,618.64	7,810.85	82.21	55.73	93.66	-1,199.23	879.60	2,987.86	2,883.28	104.59	28.568		
11,900.00	7,630.00	10,693.78	7,810.19	82.33	56.68	93.65	-1,274.37	879.62	2,987.44	2,881.01	106.43	28.070		
11,903.70	7,630.00	10,696.62	7,810.16	82.33	56.71	93.65	-1,277.21	879.61	2,987.44	2,880.94	106.50	28.052		
12,000.00	7,630.00	10,785.50	7,809.04	82.48	57.85	93.63	-1,366.07	879.02	2,987.67	2,879.00	108.67	27.493		
12,100.00	7,630.00	10,893.33	7,806.97	82.66	59.26	93.59	-1,473.89	878.39	2,987.80	2,876.46	111.34	26.835		
12,200.00	7,630.00	10,996.48	7,802.62	82.88	60.64	93.50	-1,576.94	877.83	2,987.74	2,873.80	113.93	26.223		
12,300.00	7,630.00	11,103.94	7,795.58	83.14	62.10	93.37	-1,684.16	877.32	2,987.49	2,870.82	116.67	25.606		
12,400.00	7,630.00	11,195.51	7,788.95	83.44	63.37	93.24	-1,775.49	876.93	2,987.17	2,868.12	119.05	25.092		
12,409.79	7,630.00	11,203.34	7,788.37	83.48	63.48	93.23	-1,783.30	876.87	2,987.17	2,867.92	119.25	25.049		
12,500.00	7,630.00	11,286.52	7,781.97	83.79	64.64	93.11	-1,866.23	876.05	2,987.37	2,865.93	121.44	24.600		
12,600.00	7,630.00	11,389.23	7,773.74	84.18	66.10	92.95	-1,968.60	875.08	2,987.55	2,863.38	124.17	24.061		
12,700.00	7,630.00	11,505.02	7,763.26	84.61	67.76	92.75	-2,083.91	874.20	2,987.53	2,860.24	127.29	23.471		
12,800.00	7,630.00	11,614.89	7,751.77	85.10	69.36	92.53	-2,193.18	874.15	2,986.73	2,856.45	130.28	22.926		
12,851.56	7,630.00	11,646.74	7,749.21	85.37	69.83	92.48	-2,224.92	874.04	2,986.56	2,855.41	131.15	22.771		
12,900.00	7,630.00	11,681.00	7,747.32	85.64	70.33	92.44	-2,259.13	873.72	2,986.72	2,854.62	132.10	22.609		
13,000.00	7,630.00	11,812.55	7,743.33	86.22	72.28	92.37	-2,390.61	873.72	2,986.13	2,850.25	135.88	21.976		
13,055.15	7,630.00	11,850.59	7,743.03	86.57	72.85	92.36	-2,428.65	873.69	2,985.97	2,849.00	136.98	21.799		
13,100.00	7,630.00	11,886.45	7,743.16	86.86	73.38	92.36	-2,464.51	873.51	2,986.05	2,848.04	138.01	21.636		
13,200.00	7,630.00	11,982.09	7,744.93	87.56	74.82	92.40	-2,560.13	872.76	2,986.57	2,845.74	140.83	21.207		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 1L-22H-B168 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 318-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
13,300.00	7,630.00	12,143.30	7,748.28	88.30	77.27	92.46	-2,721.30	873.36	2,985.92	2,840.19	145.73	20.489		
13,400.00	7,630.00	12,215.00	7,750.92	89.10	78.37	92.51	-2,792.95	873.91	2,984.92	2,837.05	147.88	20.185		
13,500.00	7,630.00	12,341.87	7,756.60	89.94	80.34	92.62	-2,919.69	875.02	2,983.94	2,832.13	151.81	19.656		
13,600.00	7,630.00	12,470.11	7,762.02	90.84	82.35	92.73	-3,047.78	877.36	2,981.99	2,826.17	155.83	19.137		
13,700.00	7,630.00	12,548.19	7,765.42	91.78	83.59	92.80	-3,125.78	879.01	2,979.78	2,821.54	158.23	18.831		
13,800.00	7,630.00	12,670.14	7,771.63	92.77	85.52	92.92	-3,247.55	881.22	2,977.94	2,815.83	162.10	18.371		
13,900.00	7,630.00	12,724.06	7,774.46	93.79	86.38	92.97	-3,301.39	882.01	2,976.32	2,812.60	163.73	18.179		
14,000.00	7,630.00	12,821.19	7,780.00	94.86	87.92	93.08	-3,398.35	882.56	2,975.71	2,808.92	166.80	17.840		
14,100.00	7,630.00	12,946.92	7,787.01	95.97	89.93	93.22	-3,523.88	884.43	2,974.13	2,803.27	170.86	17.407		
14,200.00	7,630.00	13,017.00	7,791.32	97.11	91.06	93.30	-3,593.82	885.02	2,973.19	2,800.16	173.03	17.183		
14,300.00	7,630.00	13,137.90	7,798.54	98.28	93.00	93.44	-3,714.50	885.87	2,972.58	2,795.61	176.97	16.797		
14,400.00	7,630.00	13,231.50	7,803.58	99.48	94.52	93.54	-3,807.95	887.40	2,970.96	2,790.99	179.97	16.508		
14,487.84	7,630.00	13,285.00	7,806.01	100.57	95.39	93.59	-3,861.40	887.66	2,970.48	2,788.88	181.60	16.358		
14,500.00	7,630.00	13,285.00	7,806.01	100.72	95.39	93.59	-3,861.40	887.66	2,970.50	2,788.94	181.56	16.361		
14,600.00	7,630.00	13,355.32	7,808.25	101.97	96.52	93.63	-3,931.68	887.04	2,971.30	2,787.59	183.71	16.174		
14,700.00	7,630.00	13,451.69	7,809.25	103.26	98.06	93.65	-4,028.02	885.20	2,972.93	2,786.15	186.77	15.917		
14,800.00	7,630.00	13,564.87	7,807.89	104.56	99.89	93.62	-4,141.18	883.36	2,974.12	2,783.68	190.44	15.617		
14,900.00	7,630.00	13,875.64	7,810.16	105.89	105.00	93.67	-4,451.72	888.45	2,973.31	2,772.27	201.04	14.789		
15,000.00	7,630.00	13,947.32	7,811.61	107.24	106.20	93.71	-4,523.28	892.31	2,967.75	2,764.37	203.38	14.592		
15,100.00	7,630.00	13,997.00	7,812.30	108.60	107.04	93.72	-4,572.91	894.50	2,963.33	2,758.40	204.93	14.460		
15,200.00	7,630.00	14,042.70	7,812.66	109.98	107.79	93.73	-4,618.59	895.69	2,960.69	2,754.41	206.28	14.353		
15,250.06	7,630.00	14,060.84	7,812.75	110.68	108.09	93.73	-4,636.73	895.81	2,960.20	2,753.44	206.76	14.317		
15,300.00	7,630.00	14,086.00	7,812.81	111.38	108.51	93.73	-4,661.89	895.65	2,960.27	2,752.79	207.49	14.267		
15,400.00	7,630.00	14,135.03	7,812.48	112.79	109.31	93.73	-4,710.91	894.69	2,961.69	2,752.85	208.84	14.181		
15,500.00	7,630.00	14,224.27	7,810.76	114.22	110.77	93.69	-4,800.09	891.90	2,964.31	2,752.63	211.68	14.003		
15,600.00	7,630.00	14,349.99	7,811.76	115.66	112.82	93.71	-4,925.76	889.07	2,966.25	2,750.31	215.94	13.736		
15,700.00	7,630.00	14,477.51	7,812.26	117.11	114.93	93.72	-5,053.27	887.43	2,967.18	2,746.91	220.27	13.471		
15,800.00	7,630.00	14,583.06	7,813.69	118.57	116.68	93.74	-5,158.81	886.40	2,967.91	2,744.13	223.79	13.262		
15,900.00	7,630.00	14,727.76	7,815.47	120.05	119.09	93.78	-5,303.49	886.36	2,967.70	2,738.92	228.78	12.972		
16,000.00	7,630.00	14,832.08	7,816.83	121.53	120.84	93.80	-5,407.80	887.41	2,966.44	2,734.16	232.28	12.771		
16,100.00	7,630.00	14,924.97	7,818.62	123.03	122.40	93.84	-5,500.67	888.01	2,965.57	2,730.22	235.35	12.601		
16,200.00	7,630.00	15,022.56	7,820.27	124.53	124.04	93.87	-5,598.24	888.86	2,964.48	2,725.88	238.61	12.424		
16,300.00	7,630.00	15,122.40	7,824.06	126.04	125.72	93.95	-5,698.00	889.37	2,963.90	2,721.93	241.96	12.249		
16,400.00	7,630.00	15,243.05	7,827.61	127.56	127.76	94.02	-5,818.59	890.70	2,962.65	2,716.55	246.10	12.038		
16,500.00	7,630.00	15,336.72	7,829.31	129.09	129.35	94.05	-5,912.25	891.86	2,961.21	2,711.99	249.23	11.882		
16,600.00	7,630.00	15,427.63	7,830.63	130.62	130.88	94.08	-6,003.14	892.70	2,960.06	2,707.81	252.25	11.735		
16,677.39	7,630.00	15,475.47	7,831.50	131.82	131.69	94.10	-6,050.98	892.85	2,959.66	2,705.94	253.72	11.665		
16,700.00	7,630.00	15,489.22	7,831.81	132.16	131.92	94.10	-6,064.72	892.81	2,959.70	2,705.56	254.14	11.646		
16,800.00	7,630.00	15,579.17	7,834.29	133.71	133.44	94.15	-6,154.63	892.02	2,960.41	2,703.30	257.11	11.514		
16,900.00	7,630.00	15,733.74	7,839.33	135.27	136.06	94.25	-6,309.12	892.33	2,960.10	2,697.50	262.61	11.272		
17,000.00	7,630.00	15,842.20	7,842.44	136.83	137.90	94.31	-6,417.52	893.75	2,958.67	2,692.35	266.32	11.110		
17,100.00	7,630.00	15,959.11	7,845.98	138.39	139.90	94.38	-6,534.37	895.60	2,957.00	2,686.65	270.35	10.938		
17,200.00	7,630.00	16,024.53	7,847.75	139.97	141.02	94.42	-6,599.75	896.52	2,955.49	2,683.07	272.43	10.849		
17,300.00	7,630.00	16,106.96	7,849.69	141.54	142.42	94.46	-6,682.16	896.73	2,955.05	2,679.92	275.13	10.740		
17,400.00	7,630.00	16,280.65	7,854.08	143.12	145.39	94.55	-6,855.77	898.74	2,953.94	2,672.59	281.35	10.499		
17,500.00	7,630.00	16,368.05	7,855.03	144.71	146.89	94.57	-6,943.13	901.16	2,950.99	2,666.71	284.28	10.381		
17,600.00	7,630.00	16,433.06	7,855.33	146.30	148.00	94.58	-7,008.14	902.04	2,949.30	2,662.95	286.35	10.300		
17,700.00	7,630.00	16,515.88	7,855.61	147.90	149.42	94.58	-7,090.95	902.48	2,948.46	2,659.38	289.07	10.200		
17,800.00	7,630.00	16,609.89	7,855.89	149.50	151.02	94.59	-7,184.97	902.66	2,947.95	2,655.72	292.24	10.088		
17,900.00	7,630.00	16,706.30	7,856.36	151.10	152.67	94.60	-7,281.38	902.61	2,947.71	2,652.22	295.49	9.976		
18,000.00	7,630.00	16,821.45	7,857.91	152.71	154.64	94.63	-7,396.51	902.94	2,947.19	2,647.69	299.50	9.840		
18,100.00	7,630.00	16,957.68	7,860.49	154.32	156.97	94.68	-7,532.70	904.49	2,945.91	2,641.59	304.32	9.680		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SEC 22-T1N-R68W - EXIST HZ COSSLETT 1L-22H-B168 - OWB - FINAL SURVEY												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 318-MWD OWSG												<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)					
18,200.00	7,630.00	17,087.29	7,862.69	155.94	159.21	94.73	-7,662.26	907.52	2,943.38	2,634.51	308.87	9.530	
18,300.00	7,630.00	17,203.85	7,864.36	157.56	161.23	94.77	-7,778.75	911.16	2,940.04	2,627.13	312.92	9.396	
18,400.00	7,630.00	17,290.19	7,865.01	159.18	162.73	94.79	-7,865.05	913.85	2,936.67	2,620.83	315.84	9.298	
18,500.00	7,630.00	17,368.47	7,865.22	160.80	164.08	94.80	-7,943.31	915.78	2,933.91	2,615.47	318.44	9.213	
18,600.00	7,630.00	17,448.78	7,865.40	162.43	165.47	94.80	-8,023.60	917.15	2,931.89	2,610.78	321.11	9.131	
18,700.00	7,630.00	17,544.55	7,866.36	164.06	167.12	94.82	-8,119.36	918.38	2,930.35	2,605.98	324.37	9.034	
18,800.00	7,630.00	17,625.81	7,867.38	165.70	168.52	94.85	-8,200.61	919.30	2,929.02	2,601.96	327.06	8.956	
18,900.00	7,630.00	17,706.22	7,868.21	167.33	169.90	94.86	-8,281.01	919.53	2,928.48	2,598.78	329.70	8.882	
18,947.48	7,630.00	17,746.38	7,868.59	168.11	170.59	94.87	-8,321.17	919.48	2,928.42	2,597.39	331.03	8.846	
19,000.00	7,630.00	17,793.13	7,869.02	168.97	171.40	94.88	-8,367.92	919.29	2,928.48	2,595.89	332.59	8.805	
19,021.79	7,630.00	17,814.91	7,869.21	169.33	171.77	94.88	-8,389.70	919.19	2,928.53	2,595.19	333.34	8.785 SF	

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 32-22 - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 168-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	0.00	0.00	0.00	0.00	-27.42	218.57	-113.40	246.40				
100.00	100.00	93.57	93.57	0.13	0.16	-27.52	217.95	-113.54	245.76	245.47	0.29	840.577	
200.00	200.00	197.36	197.32	0.49	0.39	-27.87	215.70	-114.08	244.09	243.21	0.88	276.561	
300.00	300.00	301.07	300.86	0.85	0.78	-28.97	210.18	-116.35	240.44	238.82	1.62	148.087	
400.00	400.00	398.00	397.41	1.21	1.15	-30.82	203.20	-121.25	236.71	234.37	2.34	100.956	
500.00	500.00	493.15	492.12	1.57	1.52	-33.02	197.22	-128.19	235.22	232.15	3.07	76.542	
524.72	524.72	516.89	515.72	1.66	1.61	-33.64	195.78	-130.28	235.16	231.91	3.26	72.244	CC
600.00	600.00	589.81	588.09	1.93	1.90	-35.80	191.09	-137.85	235.64	231.82	3.82	61.646	ES
700.00	700.00	685.42	682.55	2.29	2.31	-39.34	183.91	-150.73	237.94	233.35	4.59	51.848	
800.00	799.98	779.45	774.95	2.64	2.73	-105.39	176.27	-166.35	243.36	238.00	5.37	45.353	
900.00	899.84	870.59	863.85	2.99	3.18	-110.54	168.03	-184.68	253.54	247.40	6.14	41.294	
1,000.00	999.45	968.44	958.88	3.35	3.67	-116.48	158.79	-206.08	268.84	261.89	6.95	38.681	
1,100.00	1,098.70	1,065.12	1,053.02	3.73	4.17	-122.17	149.05	-225.81	287.22	279.48	7.74	37.106	
1,200.00	1,197.47	1,157.53	1,142.96	4.11	4.65	-127.47	138.99	-244.54	310.03	301.55	8.49	36.528	
1,300.00	1,295.62	1,254.51	1,237.46	4.53	5.15	-132.66	128.15	-263.39	337.06	327.81	9.25	36.443	SF
1,400.00	1,393.06	1,348.61	1,329.50	4.97	5.63	-137.11	118.18	-280.25	367.75	357.78	9.97	36.871	
1,500.00	1,489.64	1,433.34	1,412.35	5.44	6.06	-140.74	109.14	-295.55	403.23	392.60	10.63	37.918	
1,600.00	1,585.27	1,513.54	1,490.57	5.95	6.47	-143.83	100.52	-311.03	444.27	433.01	11.26	39.449	
1,700.00	1,679.82	1,594.60	1,569.43	6.51	6.91	-146.64	91.84	-327.61	490.55	478.66	11.90	41.238	
1,800.00	1,773.17	1,676.76	1,649.26	7.13	7.35	-149.21	82.69	-344.75	541.15	528.61	12.54	43.151	
1,900.00	1,865.21	1,759.47	1,729.66	7.79	7.79	-151.51	73.36	-361.81	595.31	582.12	13.19	45.121	
2,000.00	1,955.84	1,843.85	1,811.86	8.51	8.24	-153.51	64.81	-378.79	652.49	638.63	13.86	47.062	
2,100.00	2,044.94	1,928.40	1,894.47	9.30	8.67	-155.23	56.88	-394.96	712.09	697.55	14.54	48.979	
2,200.00	2,132.39	2,007.46	1,971.93	10.15	9.07	-156.46	51.30	-409.75	774.16	758.98	15.18	50.995	
2,300.00	2,218.11	2,074.78	2,037.87	11.07	9.40	-157.23	47.26	-422.68	839.36	823.62	15.75	53.304	
2,400.00	2,301.97	2,136.74	2,098.46	12.06	9.71	-157.78	43.76	-435.18	907.95	891.67	16.28	55.770	
2,500.00	2,383.88	2,196.38	2,156.65	13.11	10.01	-158.16	40.80	-447.90	979.81	963.01	16.80	58.307	
2,512.74	2,394.17	2,204.21	2,164.29	13.25	10.05	-158.21	40.42	-449.61	989.18	972.30	16.88	58.608	
2,600.00	2,464.54	2,257.43	2,216.14	14.22	10.33	-159.18	37.69	-461.28	1,053.70	1,036.36	17.34	60.761	
2,700.00	2,545.18	2,320.71	2,277.74	15.35	10.66	-160.21	34.31	-475.34	1,128.04	1,110.14	17.89	63.039	
2,800.00	2,625.82	2,387.59	2,342.84	16.50	11.01	-161.15	30.96	-490.32	1,202.59	1,184.11	18.48	65.075	
2,900.00	2,706.45	2,462.32	2,415.65	17.65	11.40	-162.06	27.51	-506.75	1,276.94	1,257.81	19.13	66.746	
3,000.00	2,787.09	2,517.39	2,469.31	18.82	11.69	-162.68	24.62	-518.81	1,351.44	1,331.81	19.63	68.835	
3,100.00	2,867.73	2,578.72	2,528.97	19.99	12.01	-163.36	20.50	-532.39	1,426.48	1,406.30	20.18	70.673	
3,200.00	2,948.37	2,654.42	2,602.68	21.17	12.42	-164.14	15.19	-548.79	1,501.38	1,480.53	20.85	71.997	
3,300.00	3,029.01	2,723.47	2,669.99	22.36	12.78	-164.78	10.19	-563.39	1,576.07	1,554.59	21.47	73.404	
3,400.00	3,109.65	2,803.73	2,748.31	23.55	13.20	-165.47	4.32	-579.91	1,650.50	1,628.32	22.18	74.418	
3,500.00	3,190.29	2,883.26	2,826.08	24.74	13.60	-166.07	-1.10	-595.65	1,724.36	1,701.48	22.88	75.359	
3,600.00	3,270.93	2,948.27	2,889.71	25.94	13.94	-166.52	-5.45	-608.21	1,797.97	1,774.49	23.47	76.596	
3,700.00	3,351.57	2,996.67	2,937.02	27.14	14.18	-166.83	-8.67	-617.95	1,872.12	1,848.18	23.94	78.215	
3,800.00	3,432.21	3,040.83	2,980.08	28.35	14.42	-167.09	-11.64	-627.27	1,946.98	1,922.62	24.36	79.914	
3,900.00	3,512.85	3,080.45	3,018.60	29.56	14.63	-167.32	-14.50	-636.08	2,022.69	1,997.94	24.75	81.714	
4,000.00	3,593.49	3,122.86	3,059.71	30.76	14.86	-167.55	-17.79	-646.00	2,099.23	2,074.07	25.17	83.418	
4,100.00	3,674.13	3,191.76	3,126.44	31.97	15.25	-167.91	-23.40	-662.19	2,176.00	2,150.20	25.80	84.331	
4,200.00	3,754.77	3,304.95	3,236.37	33.19	15.87	-168.47	-32.87	-687.43	2,252.17	2,225.36	26.81	84.005	
4,300.00	3,835.41	3,411.38	3,340.25	34.40	16.43	-168.97	-41.48	-708.94	2,326.93	2,299.18	27.75	83.854	
4,400.00	3,916.05	3,445.77	3,373.80	35.62	16.61	-169.12	-44.23	-715.96	2,401.71	2,373.60	28.11	85.453	
4,500.00	3,996.69	3,490.00	3,416.87	36.83	16.84	-169.29	-47.81	-725.34	2,477.12	2,448.58	28.54	86.794	
4,600.00	4,077.33	3,526.38	3,452.22	38.05	17.04	-169.43	-50.72	-733.43	2,553.20	2,524.29	28.91	88.315	
4,700.00	4,157.96	3,563.88	3,488.56	39.27	17.25	-169.56	-53.62	-742.21	2,629.96	2,600.67	29.29	89.794	
4,800.00	4,238.60	3,643.82	3,565.92	40.49	17.70	-169.79	-59.38	-761.55	2,707.13	2,677.10	30.03	90.135	
4,900.00	4,319.24	3,786.64	3,704.90	41.71	18.47	-170.21	-69.33	-792.81	2,782.62	2,751.32	31.30	88.891	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 32-22 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 168-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	4,399.88	3,829.78	3,746.97	42.93	18.70	-170.33	-72.60	-801.79	2,857.77	2,826.03	31.74	90.048		
5,100.00	4,480.52	3,881.05	3,796.87	44.15	18.97	-170.48	-76.47	-812.89	2,933.43	2,901.19	32.24	90.998		
5,200.00	4,561.16	3,969.66	3,883.19	45.37	19.45	-170.72	-83.65	-831.60	3,008.92	2,975.87	33.05	91.043		
5,300.00	4,641.80	4,032.36	3,944.31	46.59	19.78	-170.90	-88.83	-844.61	3,084.24	3,050.59	33.65	91.667		
5,400.00	4,722.44	4,085.22	3,995.82	47.82	20.06	-171.03	-93.20	-855.64	3,159.65	3,125.49	34.16	92.490		
5,500.00	4,803.08	4,131.24	4,040.60	49.04	20.31	-171.16	-97.36	-865.37	3,235.44	3,200.82	34.62	93.455		
5,600.00	4,883.72	4,177.76	4,085.81	50.27	20.56	-171.28	-101.88	-875.36	3,311.61	3,276.53	35.08	94.395		
5,700.00	4,964.36	5,700.00	4,199.23	51.49	28.65	-171.58	-112.91	-900.26	3,387.80	3,346.16	41.64	81.361		
5,800.00	5,045.00	5,138.30	5,035.42	52.71	24.52	-173.07	-148.19	-989.77	3,457.38	3,415.16	42.22	81.888		
5,900.00	5,125.64	5,219.73	5,116.85	53.94	24.72	-173.19	-148.45	-989.63	3,516.21	3,473.29	42.92	81.923		
6,000.00	5,206.28	5,301.09	5,198.20	55.17	24.92	-173.32	-149.07	-989.40	3,575.11	3,531.49	43.62	81.962		
6,100.00	5,286.92	5,392.00	5,289.11	56.39	25.14	-173.46	-150.07	-988.80	3,633.84	3,589.47	44.37	81.899		
6,200.00	5,367.56	5,472.65	5,369.75	57.62	25.34	-173.59	-151.14	-988.02	3,692.43	3,647.37	45.06	81.938		
6,300.00	5,448.20	5,533.85	5,430.94	58.84	25.49	-173.68	-151.94	-987.65	3,751.30	3,705.65	45.65	82.172		
6,400.00	5,528.84	5,606.18	5,503.27	60.07	25.68	-173.78	-152.68	-987.63	3,810.51	3,764.20	46.31	82.284		
6,500.00	5,609.47	5,690.01	5,587.10	61.30	25.91	-173.88	-152.96	-987.90	3,869.77	3,822.74	47.04	82.269		
6,600.00	5,690.11	5,777.71	5,674.79	62.53	26.14	-173.98	-152.60	-988.28	3,928.88	3,881.09	47.79	82.214		
6,700.00	5,770.75	5,858.43	5,755.51	63.75	26.36	-174.05	-152.13	-988.60	3,987.92	3,939.42	48.50	82.232		
6,800.00	5,851.39	5,932.37	5,829.45	64.98	26.56	-174.12	-151.67	-988.99	4,047.04	3,997.87	49.17	82.315		
6,900.00	5,932.03	6,000.05	5,897.13	66.21	26.75	-174.19	-151.30	-989.50	4,106.36	4,056.56	49.80	82.457		
7,000.00	6,012.67	6,068.79	5,965.86	67.44	26.95	-174.25	-150.98	-990.22	4,165.92	4,115.48	50.44	82.587		
7,100.00	6,093.31	6,142.35	6,039.41	68.66	27.16	-174.31	-150.57	-991.22	4,225.69	4,174.57	51.12	82.666		
7,200.00	6,173.95	6,218.36	6,115.42	69.89	27.38	-174.37	-150.34	-992.20	4,285.50	4,233.69	51.81	82.718		
7,300.00	6,254.59	6,275.43	6,172.48	71.12	27.55	-174.42	-150.28	-993.11	4,345.59	4,293.21	52.38	82.961		
7,400.00	6,335.23	6,352.24	6,249.27	72.35	27.78	-174.48	-150.21	-994.66	4,406.00	4,352.92	53.08	83.006		
7,500.00	6,415.87	6,435.36	6,332.38	73.58	28.04	-174.54	-149.99	-996.27	4,466.30	4,412.48	53.82	82.983		
7,600.00	6,496.51	6,516.28	6,413.28	74.81	28.28	-174.60	-149.69	-997.90	4,526.62	4,472.08	54.55	82.982		
7,700.00	6,577.15	6,613.05	6,510.04	76.04	28.57	-174.67	-149.46	-999.59	4,586.81	4,531.43	55.38	82.823		
7,800.00	6,657.79	6,759.39	6,656.37	77.27	29.00	-174.80	-150.32	-1,000.25	4,646.37	4,589.85	56.52	82.207		
7,900.00	6,738.43	6,845.64	6,742.61	78.50	29.23	-174.89	-151.17	-999.61	4,705.13	4,647.87	57.26	82.165		
8,000.00	6,819.07	6,911.79	6,808.76	79.73	29.41	-174.94	-151.52	-999.34	4,763.99	4,706.11	57.89	82.297		
8,100.00	6,899.71	6,974.80	6,871.77	80.96	29.58	-175.00	-151.93	-999.30	4,823.16	4,764.66	58.49	82.455		
8,200.00	6,980.35	7,039.16	6,936.13	82.18	29.77	-175.05	-152.38	-999.49	4,882.60	4,823.49	59.11	82.597		
8,240.58	7,013.07	7,065.21	6,962.18	82.68	29.85	-175.07	-152.57	-999.64	4,906.80	4,847.43	59.37	82.654		
8,250.00	7,020.68	7,071.27	6,968.24	82.80	29.87	-176.93	-152.61	-999.67	4,912.40	4,852.98	59.42	82.667		
8,300.00	7,061.63	7,103.82	7,000.78	83.40	29.97	173.00	-152.89	-999.89	4,941.46	4,881.72	59.73	82.728		
8,350.00	7,103.23	7,136.85	7,033.81	83.97	30.07	162.68	-153.22	-1,000.15	4,969.20	4,909.17	60.03	82.774		
8,400.00	7,145.18	7,170.22	7,067.18	84.51	30.17	152.34	-153.58	-1,000.47	4,995.44	4,935.11	60.33	82.804		
8,450.00	7,187.16	7,203.58	7,100.53	85.01	30.27	142.30	-153.94	-1,000.84	5,019.99	4,959.38	60.61	82.821		
8,500.00	7,228.84	7,237.84	7,134.79	85.46	30.38	132.89	-154.30	-1,001.29	5,042.70	4,981.81	60.89	82.814		
8,550.00	7,269.91	7,293.90	7,190.84	85.86	30.55	124.46	-154.95	-1,001.95	5,063.32	5,002.01	61.31	82.592		
8,600.00	7,310.05	7,340.33	7,237.27	86.20	30.69	116.99	-155.59	-1,002.32	5,081.67	5,020.02	61.64	82.437		
8,650.00	7,348.97	7,370.60	7,267.54	86.50	30.79	110.46	-156.09	-1,002.54	5,097.79	5,035.93	61.86	82.404		
8,700.00	7,386.36	7,399.82	7,296.74	86.74	30.88	104.91	-156.65	-1,002.78	5,111.65	5,049.59	62.07	82.357		
8,750.00	7,421.94	7,434.93	7,331.84	86.93	30.98	100.34	-157.43	-1,003.08	5,123.18	5,060.88	62.30	82.229		
8,800.00	7,455.44	7,462.74	7,349.60	87.07	31.60	98.13	-161.19	-1,001.29	5,131.89	5,068.18	63.71	80.549		
8,850.00	7,486.61	7,694.28	7,591.12	87.16	31.71	95.28	-161.35	-1,000.28	5,137.38	5,073.40	63.98	80.300		
8,900.00	7,515.20	7,755.11	7,651.93	87.20	31.87	93.28	-161.26	-998.68	5,140.44	5,076.08	64.36	79.869		
8,950.00	7,541.00	7,900.38	7,797.08	87.21	32.24	92.73	-159.38	-993.30	5,140.91	5,075.66	65.25	78.785		
9,000.00	7,563.81	7,948.46	7,845.10	87.17	32.36	91.82	-158.21	-990.97	5,138.76	5,073.19	65.57	78.374		
9,050.00	7,583.47	7,988.80	7,885.37	87.10	32.46	91.33	-157.04	-988.88	5,134.41	5,068.57	65.85	77.976		
9,100.00	7,599.81	9,100.00	7,873.72	87.00	35.22	90.75	-157.36	-989.47	5,128.05	5,058.81	69.24	74.067		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 32-22 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 168-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,150.00	7,612.72	9,150.00	7,885.77	86.88	35.34	90.83	-157.05	-988.87	5,119.77	5,050.29	69.49	73.681		
9,200.00	7,622.09	7,984.00	7,880.57	86.72	32.44	91.12	-157.19	-989.13	5,109.63	5,043.62	66.02	77.397		
9,250.00	7,627.87	7,984.00	7,880.57	86.55	32.44	91.85	-157.19	-989.13	5,097.69	5,031.58	66.12	77.101		
9,303.98	7,630.00	8,004.21	7,900.75	86.35	32.50	93.30	-156.66	-988.08	5,082.79	5,016.42	66.37	76.580		
9,400.00	7,630.00	7,984.00	7,880.57	85.99	32.44	93.06	-157.19	-989.13	5,055.64	4,989.12	66.52	76.003		
9,500.00	7,630.00	7,984.00	7,880.57	85.62	32.44	93.06	-157.19	-989.13	5,029.07	4,962.22	66.84	75.235		
9,600.00	7,630.00	7,984.00	7,880.57	85.28	32.44	93.06	-157.19	-989.13	5,004.35	4,937.14	67.21	74.454		
9,700.00	7,630.00	9,700.00	7,889.44	84.95	36.72	93.17	-156.96	-988.69	4,981.51	4,908.70	72.81	68.419		
9,800.00	7,630.00	9,800.00	7,886.86	84.64	36.97	93.14	-157.03	-988.82	4,960.59	4,887.05	73.54	67.450		
9,900.00	7,630.00	9,900.00	7,884.29	84.34	37.22	93.10	-157.09	-988.95	4,941.61	4,867.29	74.32	66.492		
10,000.00	7,630.00	10,000.00	7,881.71	84.06	37.48	93.07	-157.16	-989.08	4,924.59	4,849.46	75.13	65.547		
10,100.00	7,630.00	10,100.00	7,879.14	83.80	37.73	93.04	-157.23	-989.20	4,909.54	4,833.56	75.98	64.618		
10,200.00	7,630.00	10,200.00	7,876.56	83.56	37.98	93.01	-157.29	-989.33	4,896.48	4,819.62	76.86	63.707		
10,300.00	7,630.00	10,300.00	7,873.98	83.33	38.23	92.98	-157.36	-989.46	4,885.44	4,807.67	77.77	62.818		
10,400.00	7,630.00	7,999.17	7,895.72	83.12	32.48	93.24	-156.71	-988.32	4,876.42	4,804.70	71.71	68.000		
10,500.00	7,630.00	7,993.97	7,890.53	82.92	32.47	93.18	-156.88	-988.60	4,869.45	4,797.07	72.38	67.276		
10,600.00	7,630.00	7,988.94	7,885.51	82.75	32.46	93.12	-157.04	-988.87	4,864.52	4,791.45	73.08	66.568		
10,700.00	7,630.00	7,984.08	7,880.65	82.59	32.44	93.06	-157.19	-989.13	4,861.65	4,787.85	73.80	65.879		
10,790.09	7,630.00	7,979.82	7,876.40	82.46	32.43	93.01	-157.31	-989.35	4,860.81	4,786.34	74.47	65.273		
10,800.00	7,630.00	7,979.36	7,875.94	82.45	32.43	93.01	-157.33	-989.38	4,860.82	4,786.28	74.54	65.211		
10,900.00	7,630.00	7,974.79	7,871.38	82.33	32.42	92.95	-157.46	-989.62	4,862.05	4,786.75	75.30	64.567		
11,000.00	7,630.00	7,970.36	7,866.96	82.22	32.41	92.90	-157.59	-989.85	4,865.34	4,789.25	76.08	63.948		
11,100.00	7,630.00	7,966.07	7,862.67	82.14	32.40	92.85	-157.72	-990.07	4,870.67	4,793.79	76.88	63.357		
11,200.00	7,630.00	7,961.90	7,858.51	82.08	32.39	92.80	-157.84	-990.28	4,878.04	4,800.36	77.68	62.796		
11,300.00	7,630.00	7,957.85	7,854.47	82.04	32.38	92.75	-157.95	-990.49	4,887.45	4,808.95	78.50	62.264		
11,400.00	7,630.00	7,953.92	7,850.55	82.02	32.37	92.71	-158.06	-990.69	4,898.88	4,819.56	79.32	61.765		
11,500.00	7,630.00	7,950.11	7,846.74	82.03	32.36	92.66	-158.16	-990.88	4,912.31	4,832.17	80.14	61.297		
11,600.00	7,630.00	7,946.40	7,843.03	82.06	32.35	92.62	-158.26	-991.07	4,927.74	4,846.78	80.96	60.863		
11,700.00	7,630.00	7,942.79	7,839.43	82.12	32.34	92.58	-158.36	-991.25	4,945.14	4,863.35	81.79	60.462		
11,800.00	7,630.00	7,939.28	7,835.93	82.21	32.33	92.53	-158.45	-991.43	4,964.49	4,881.88	82.61	60.095		
11,900.00	7,630.00	7,935.86	7,832.52	82.33	32.33	92.49	-158.53	-991.60	4,985.77	4,902.34	83.43	59.761		
12,000.00	7,630.00	7,932.54	7,829.20	82.48	32.32	92.45	-158.62	-991.76	5,008.96	4,924.72	84.24	59.462		
12,100.00	7,630.00	7,929.30	7,825.97	82.66	32.31	92.42	-158.70	-991.92	5,034.02	4,948.98	85.04	59.196		
12,200.00	7,630.00	7,926.15	7,822.82	82.88	32.30	92.38	-158.78	-992.07	5,060.93	4,975.10	85.83	58.963		
12,300.00	7,630.00	7,923.07	7,819.75	83.14	32.29	92.34	-158.85	-992.22	5,089.67	5,003.06	86.61	58.763		
12,400.00	7,630.00	7,920.08	7,816.76	83.44	32.29	92.31	-158.92	-992.37	5,120.20	5,032.81	87.38	58.596		
12,500.00	7,630.00	7,917.16	7,813.84	83.79	32.28	92.27	-158.99	-992.51	5,152.48	5,064.35	88.13	58.461		
12,600.00	7,630.00	7,914.31	7,810.99	84.18	32.27	92.24	-159.06	-992.64	5,186.49	5,097.62	88.87	58.358		
12,700.00	7,630.00	7,911.53	7,808.22	84.61	32.27	92.21	-159.13	-992.78	5,222.19	5,132.60	89.60	58.284		
12,800.00	7,630.00	7,908.81	7,805.51	85.10	32.26	92.18	-159.19	-992.91	5,259.56	5,169.25	90.31	58.241		
12,900.00	7,630.00	7,906.16	7,802.86	85.64	32.25	92.14	-159.25	-993.03	5,298.54	5,207.54	91.00	58.228		
13,000.00	7,630.00	7,903.58	7,800.28	86.22	32.25	92.11	-159.31	-993.15	5,339.11	5,247.44	91.67	58.243		
13,100.00	7,630.00	7,907.50	7,804.19	86.86	32.26	92.16	-159.21	-992.96	5,381.23	5,288.87	92.36	58.264		
13,200.00	7,630.00	7,903.44	7,800.14	87.56	32.25	92.11	-159.31	-993.15	5,424.87	5,331.88	92.99	58.339		
13,300.00	7,630.00	7,899.55	7,796.26	88.30	32.24	92.07	-159.39	-993.34	5,469.99	5,376.39	93.60	58.440		
13,400.00	7,630.00	7,895.84	7,792.55	89.10	32.23	92.02	-159.47	-993.51	5,516.55	5,422.36	94.19	58.566		
13,500.00	7,630.00	7,892.28	7,788.99	89.94	32.22	91.98	-159.55	-993.68	5,564.52	5,469.75	94.77	58.716		
13,600.00	7,630.00	7,888.87	7,785.59	90.84	32.21	91.94	-159.62	-993.84	5,613.86	5,518.53	95.33	58.890		
13,700.00	7,630.00	7,885.59	7,782.32	91.78	32.20	91.90	-159.69	-993.99	5,664.53	5,568.66	95.87	59.086		
13,800.00	7,630.00	7,882.45	7,779.18	92.77	32.19	91.86	-159.75	-994.13	5,716.50	5,620.11	96.39	59.304		
13,900.00	7,630.00	7,879.43	7,776.16	93.79	32.19	91.83	-159.81	-994.27	5,769.74	5,672.84	96.90	59.544		
14,000.00	7,630.00	7,876.52	7,773.26	94.86	32.18	91.79	-159.87	-994.39	5,824.21	5,726.82	97.39	59.804		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 32-22 - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 168-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,100.00	7,630.00	7,873.73	7,770.47	95.97	32.17	91.76	-159.92	-994.52	5,879.87	5,782.01	97.86	60.085	
14,200.00	7,630.00	7,871.04	7,767.78	97.11	32.16	91.73	-159.97	-994.63	5,936.69	5,838.37	98.32	60.384	
14,300.00	7,630.00	7,868.44	7,765.19	98.28	32.16	91.70	-160.02	-994.75	5,994.64	5,895.89	98.75	60.702	
14,400.00	7,630.00	7,865.94	7,762.69	99.48	32.15	91.67	-160.06	-994.85	6,053.69	5,954.51	99.18	61.039	
14,500.00	7,630.00	7,863.52	7,760.27	100.72	32.15	91.64	-160.10	-994.95	6,113.80	6,014.22	99.59	61.393	
14,600.00	7,630.00	7,861.19	7,757.94	101.97	32.14	91.61	-160.14	-995.05	6,174.95	6,074.97	99.98	61.763	
14,700.00	7,630.00	7,858.93	7,755.69	103.26	32.13	91.59	-160.18	-995.15	6,237.10	6,136.74	100.36	62.150	
14,800.00	7,630.00	7,856.75	7,753.51	104.56	32.13	91.56	-160.22	-995.24	6,300.22	6,199.50	100.72	62.552	
14,900.00	7,630.00	7,854.65	7,751.41	105.89	32.12	91.54	-160.25	-995.32	6,364.29	6,263.22	101.07	62.970	
15,000.00	7,630.00	7,852.61	7,749.37	107.24	32.12	91.51	-160.29	-995.40	6,429.28	6,327.87	101.40	63.402	
15,100.00	7,630.00	7,850.63	7,747.39	108.60	32.11	91.49	-160.32	-995.48	6,495.15	6,393.42	101.73	63.849	
15,200.00	7,630.00	7,848.71	7,745.48	109.98	32.11	91.47	-160.35	-995.56	6,561.89	6,459.85	102.04	64.308	
15,300.00	7,630.00	7,846.86	7,743.63	111.38	32.10	91.45	-160.38	-995.63	6,629.46	6,527.12	102.34	64.781	
15,400.00	7,630.00	7,845.06	7,741.83	112.79	32.10	91.42	-160.40	-995.70	6,697.84	6,595.22	102.62	65.267	
15,500.00	7,630.00	7,843.31	7,740.08	114.22	32.09	91.40	-160.43	-995.77	6,767.01	6,664.11	102.90	65.765	
15,600.00	7,630.00	7,841.62	7,738.39	115.66	32.09	91.38	-160.45	-995.84	6,836.94	6,733.78	103.16	66.274	
15,700.00	7,630.00	7,839.97	7,736.74	117.11	32.09	91.36	-160.48	-995.90	6,907.61	6,804.20	103.41	66.795	
15,800.00	7,630.00	7,838.37	7,735.14	118.57	32.08	91.35	-160.50	-995.96	6,979.00	6,875.34	103.66	67.327	
15,900.00	7,630.00	7,836.82	7,733.59	120.05	32.08	91.33	-160.52	-996.02	7,051.09	6,947.19	103.89	67.869	
16,000.00	7,630.00	7,835.30	7,732.08	121.53	32.07	91.31	-160.54	-996.08	7,123.84	7,019.73	104.12	68.422	
16,100.00	7,630.00	7,833.83	7,730.61	123.03	32.07	91.29	-160.56	-996.14	7,197.26	7,092.92	104.33	68.984	
16,200.00	7,630.00	7,832.40	7,729.18	124.53	32.07	91.27	-160.58	-996.19	7,271.30	7,166.76	104.54	69.556	
16,300.00	7,630.00	7,831.01	7,727.79	126.04	32.06	91.26	-160.60	-996.24	7,345.96	7,241.22	104.74	70.137	
16,400.00	7,630.00	7,829.65	7,726.43	127.56	32.06	91.24	-160.62	-996.29	7,421.22	7,316.29	104.93	70.727	
16,500.00	7,630.00	7,828.33	7,725.11	129.09	32.06	91.23	-160.64	-996.34	7,497.05	7,391.94	105.11	71.326	
16,600.00	7,630.00	7,827.04	7,723.83	130.62	32.05	91.21	-160.65	-996.39	7,573.45	7,468.16	105.29	71.932	
16,700.00	7,630.00	7,825.79	7,722.57	132.16	32.05	91.20	-160.67	-996.43	7,650.38	7,544.93	105.45	72.547	
16,800.00	7,630.00	7,824.57	7,721.35	133.71	32.05	91.18	-160.68	-996.48	7,727.85	7,622.23	105.62	73.169	
16,900.00	7,630.00	7,823.37	7,720.16	135.27	32.04	91.17	-160.70	-996.52	7,805.83	7,700.06	105.77	73.798	
17,000.00	7,630.00	7,822.21	7,718.99	136.83	32.04	91.15	-160.71	-996.56	7,884.31	7,778.38	105.92	74.435	
17,100.00	7,630.00	7,821.07	7,717.86	138.39	32.04	91.14	-160.73	-996.60	7,963.26	7,857.20	106.07	75.079	
17,200.00	7,630.00	7,819.96	7,716.75	139.97	32.04	91.13	-160.74	-996.64	8,042.69	7,936.49	106.20	75.729	
17,300.00	7,630.00	7,818.88	7,715.67	141.54	32.03	91.12	-160.75	-996.68	8,122.57	8,016.24	106.34	76.385	
17,400.00	7,630.00	7,817.82	7,714.61	143.12	32.03	91.10	-160.76	-996.72	8,202.89	8,096.43	106.46	77.048	
17,500.00	7,630.00	7,816.78	7,713.58	144.71	32.03	91.09	-160.78	-996.75	8,283.64	8,177.06	106.59	77.717	
17,600.00	7,630.00	7,815.77	7,712.57	146.30	32.03	91.08	-160.79	-996.79	8,364.81	8,258.10	106.71	78.391	
17,700.00	7,630.00	7,814.79	7,711.58	147.90	32.02	91.07	-160.80	-996.82	8,446.38	8,339.56	106.82	79.072	
17,800.00	7,630.00	7,813.82	7,710.61	149.50	32.02	91.06	-160.81	-996.86	8,528.34	8,421.41	106.93	79.757	
17,900.00	7,630.00	7,812.87	7,709.67	151.10	32.02	91.04	-160.82	-996.89	8,610.68	8,503.65	107.03	80.448	
18,000.00	7,630.00	7,811.95	7,708.74	152.71	32.02	91.03	-160.83	-996.92	8,693.40	8,586.26	107.14	81.143	
18,100.00	7,630.00	7,811.04	7,707.84	154.32	32.01	91.02	-160.84	-996.95	8,776.47	8,669.23	107.23	81.844	
18,200.00	7,630.00	7,810.16	7,706.95	155.94	32.01	91.01	-160.85	-996.98	8,859.89	8,752.56	107.33	82.549	
18,300.00	7,630.00	7,809.29	7,706.09	157.56	32.01	91.00	-160.86	-997.01	8,943.65	8,836.23	107.42	83.258	
18,400.00	7,630.00	7,808.44	7,705.24	159.18	32.01	90.99	-160.87	-997.04	9,027.75	8,920.24	107.51	83.972	
18,500.00	7,630.00	7,807.61	7,704.41	160.80	32.00	90.98	-160.88	-997.07	9,112.16	9,004.57	107.59	84.691	
18,600.00	7,630.00	7,806.80	7,703.59	162.43	32.00	90.97	-160.88	-997.10	9,196.89	9,089.21	107.68	85.413	
18,700.00	7,630.00	7,806.00	7,702.80	164.06	32.00	90.96	-160.89	-997.12	9,281.92	9,174.16	107.76	86.139	
18,800.00	7,630.00	7,805.22	7,702.01	165.70	32.00	90.95	-160.90	-997.15	9,367.24	9,259.41	107.83	86.869	
18,900.00	7,630.00	7,804.45	7,701.25	167.33	32.00	90.95	-160.91	-997.17	9,452.86	9,344.95	107.91	87.602	
19,000.00	7,630.00	7,803.70	7,700.50	168.97	31.99	90.94	-160.92	-997.20	9,538.75	9,430.77	107.98	88.339	
19,021.79	7,630.00	7,803.54	7,700.33	169.33	31.99	90.93	-160.92	-997.20	9,557.50	9,449.51	107.99	88.501	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 4-0-22 - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 138-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	0.00	0.00	0.00	0.00	-33.41	218.57	-144.20	262.01				
100.00	100.00	89.53	89.52	0.13	0.15	-33.31	219.06	-143.92	262.11	261.83	0.28	933.385 ES	
200.00	200.00	182.71	182.68	0.49	0.39	-33.01	220.85	-143.47	263.49	262.60	0.88	298.021	
300.00	300.00	271.66	271.50	0.85	0.72	-32.88	225.14	-145.54	268.79	267.22	1.57	170.742	
400.00	400.00	361.57	361.03	1.21	1.05	-33.17	231.20	-151.15	277.85	275.59	2.26	123.058	
500.00	500.00	451.30	450.03	1.57	1.40	-33.61	239.37	-159.07	290.31	287.37	2.95	98.570	
600.00	600.00	540.46	538.05	1.93	1.78	-34.01	249.85	-168.61	306.04	302.41	3.63	84.416	
700.00	700.00	627.94	623.94	2.29	2.18	-34.32	262.57	-179.28	324.93	320.64	4.30	75.596	
800.00	799.98	713.53	707.32	2.64	2.60	-96.20	277.44	-191.55	347.56	342.60	4.96	70.108	
900.00	899.84	798.21	789.16	2.99	3.05	-96.78	293.74	-205.93	373.73	368.12	5.61	66.624	
1,000.00	999.45	879.17	866.60	3.35	3.51	-97.58	311.37	-221.59	403.91	397.67	6.25	64.669	
1,100.00	1,098.70	966.31	949.30	3.73	4.05	-98.70	331.81	-239.95	437.27	430.35	6.92	63.162	
1,200.00	1,197.47	1,060.77	1,038.91	4.11	4.64	-100.16	353.84	-260.11	471.71	464.04	7.67	61.494	
1,300.00	1,295.62	1,146.43	1,119.97	4.53	5.19	-101.46	374.43	-278.67	508.06	499.67	8.39	60.589	
1,400.00	1,393.06	1,234.45	1,203.03	4.97	5.77	-102.80	396.50	-297.63	546.39	537.24	9.15	59.742	
1,500.00	1,489.64	1,319.67	1,283.32	5.44	6.33	-104.09	418.24	-316.18	586.60	576.68	9.92	59.121	
1,600.00	1,585.27	1,394.14	1,353.09	5.95	6.85	-105.09	438.08	-333.04	629.69	619.04	10.66	59.085	
1,700.00	1,679.82	1,466.63	1,420.42	6.51	7.37	-105.94	458.86	-350.04	676.20	664.78	11.42	59.214	
1,800.00	1,773.17	1,533.50	1,481.96	7.13	7.88	-106.53	479.45	-366.19	726.08	713.90	12.18	59.626	
1,900.00	1,865.21	1,594.49	1,537.50	7.79	8.36	-106.96	498.64	-382.48	779.76	766.84	12.92	60.341	
2,000.00	1,955.84	1,681.35	1,616.45	8.51	9.05	-108.11	525.74	-406.54	835.77	821.81	13.96	59.882	
2,100.00	2,044.94	1,755.29	1,683.81	9.30	9.65	-108.87	548.29	-427.03	893.27	878.36	14.92	59.888	
2,200.00	2,132.39	1,826.33	1,748.51	10.15	10.22	-109.53	569.55	-447.25	952.94	937.05	15.89	59.972	
2,300.00	2,218.11	1,894.89	1,810.94	11.07	10.78	-110.10	589.57	-467.29	1,014.80	997.92	16.88	60.116	
2,400.00	2,301.97	1,961.42	1,871.44	12.06	11.32	-110.54	609.06	-486.93	1,078.83	1,060.94	17.89	60.304	
2,500.00	2,383.88	2,041.80	1,944.63	13.11	11.98	-111.31	632.70	-510.32	1,144.54	1,125.45	19.08	59.972	
2,512.74	2,394.17	2,052.19	1,954.11	13.25	12.06	-111.40	635.75	-513.28	1,152.98	1,133.74	19.24	59.919	
2,600.00	2,464.54	2,139.66	2,034.35	14.22	12.75	-113.83	661.04	-537.21	1,210.59	1,190.11	20.48	59.105	
2,700.00	2,545.18	2,223.46	2,111.77	15.35	13.40	-115.91	684.87	-558.66	1,276.02	1,254.29	21.73	58.720	
2,800.00	2,625.82	2,300.38	2,183.00	16.50	13.98	-117.62	706.85	-577.67	1,341.58	1,318.68	22.91	58.564	
2,900.00	2,706.45	2,371.76	2,249.13	17.65	14.52	-119.05	727.34	-595.03	1,407.49	1,383.47	24.02	58.587	
3,000.00	2,787.09	2,438.45	2,310.98	18.82	15.02	-120.32	746.07	-611.48	1,474.02	1,448.94	25.08	58.766	
3,100.00	2,867.73	2,515.38	2,382.43	19.99	15.59	-121.67	767.36	-630.47	1,540.92	1,514.67	26.24	58.719	
3,200.00	2,948.37	2,587.35	2,449.32	21.17	16.13	-122.84	787.33	-647.97	1,607.99	1,580.64	27.35	58.804	
3,300.00	3,029.01	2,657.22	2,514.21	22.36	16.65	-123.87	806.99	-664.86	1,675.38	1,646.96	28.42	58.946	
3,400.00	3,109.65	2,725.75	2,577.87	23.55	17.16	-124.82	826.13	-681.51	1,743.13	1,713.65	29.48	59.131	
3,500.00	3,190.29	2,793.96	2,641.29	24.74	17.67	-125.72	844.87	-698.22	1,811.22	1,780.70	30.52	59.338	
3,600.00	3,270.93	2,868.92	2,711.08	25.94	18.22	-126.66	865.08	-716.65	1,879.54	1,847.91	31.63	59.413	
3,700.00	3,351.57	2,944.56	2,781.66	27.14	18.77	-127.55	885.08	-735.09	1,947.86	1,915.11	32.74	59.486	
3,800.00	3,432.21	3,015.65	2,848.13	28.35	19.29	-128.35	903.46	-752.35	2,016.24	1,982.45	33.80	59.660	
3,900.00	3,512.85	3,078.87	2,907.24	29.56	19.74	-129.02	919.63	-767.86	2,084.97	2,050.22	34.75	59.998	
4,000.00	3,593.49	3,141.86	2,966.02	30.76	20.21	-129.65	936.05	-783.44	2,154.11	2,118.40	35.71	60.328	
4,100.00	3,674.13	3,210.85	3,030.09	31.97	20.72	-130.26	955.14	-800.47	2,223.58	2,186.84	36.74	60.524	
4,200.00	3,754.77	3,280.65	3,104.13	33.19	21.32	-130.91	977.73	-819.85	2,292.99	2,255.08	37.91	60.492	
4,300.00	3,835.41	3,339.00	3,148.96	34.40	21.69	-131.28	991.37	-831.80	2,362.77	2,324.07	38.69	61.061	
4,400.00	3,916.05	3,405.28	3,210.35	35.62	22.19	-131.77	1,009.89	-848.55	2,433.05	2,393.36	39.69	61.296	
4,500.00	3,996.69	3,486.58	3,285.79	36.83	22.80	-132.35	1,032.41	-868.82	2,503.17	2,462.30	40.87	61.247	
4,600.00	4,077.33	3,559.89	3,353.93	38.05	23.35	-132.85	1,052.52	-886.94	2,573.20	2,531.26	41.95	61.346	
4,700.00	4,157.96	3,633.46	3,422.39	39.27	23.89	-133.33	1,072.43	-905.07	2,643.23	2,600.21	43.02	61.445	
4,800.00	4,238.60	3,713.75	3,497.23	40.49	24.48	-133.83	1,093.86	-924.71	2,713.17	2,669.00	44.16	61.433	
4,900.00	4,319.24	3,853.30	3,628.07	41.71	25.48	-134.66	1,130.17	-956.87	2,782.04	2,736.05	45.99	60.490	
5,000.00	4,399.88	3,899.02	3,671.01	42.93	25.80	-134.92	1,142.10	-967.08	2,850.55	2,803.82	46.73	61.006	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 4-0-22 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 138-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,480.52	3,930.00	3,700.00	44.15	26.02	-135.08	1,150.39	-974.21	2,919.82	2,872.54	47.28	61.759		
5,200.00	4,561.16	3,977.94	3,744.67	45.37	26.38	-135.32	1,163.46	-985.70	2,989.83	2,941.79	48.04	62.242		
5,300.00	4,641.80	4,023.00	3,786.44	46.59	26.71	-135.54	1,175.93	-997.11	3,060.76	3,012.01	48.75	62.781		
5,400.00	4,722.44	4,051.98	3,813.21	47.82	26.94	-135.67	1,183.96	-1,004.75	3,132.41	3,083.15	49.26	63.586		
5,500.00	4,803.08	4,090.97	3,849.20	49.04	27.24	-135.85	1,194.61	-1,015.33	3,204.78	3,154.89	49.89	64.234		
5,600.00	4,883.72	4,133.52	3,888.40	50.27	27.57	-136.05	1,206.06	-1,027.27	3,277.79	3,227.22	50.56	64.826		
5,700.00	4,964.36	4,184.82	3,935.55	51.49	27.98	-136.28	1,220.00	-1,041.92	3,351.22	3,299.88	51.35	65.268		
5,800.00	5,045.00	5,800.00	4,021.68	52.71	40.76	-136.67	1,245.78	-1,068.36	3,424.45	3,362.39	62.06	55.178 SF		
5,900.00	5,125.64	4,341.25	4,079.45	53.94	29.22	-136.93	1,262.86	-1,085.77	3,497.43	3,443.81	53.62	65.229		
6,000.00	5,206.28	4,373.17	4,108.82	55.17	29.47	-137.06	1,271.37	-1,094.92	3,571.02	3,516.88	54.14	65.957		
6,100.00	5,286.92	4,409.56	4,142.23	56.39	29.76	-137.20	1,280.94	-1,105.71	3,645.29	3,590.57	54.72	66.618		
6,200.00	5,367.56	4,462.16	4,190.35	57.62	30.19	-137.40	1,295.12	-1,121.52	3,719.94	3,664.43	55.52	67.007		
6,300.00	5,448.20	4,720.63	4,428.11	58.84	32.23	-138.27	1,366.31	-1,193.52	3,793.37	3,734.35	59.02	64.277		
6,400.00	5,528.84	4,770.00	4,473.79	60.07	32.61	-138.41	1,380.37	-1,205.91	3,864.75	3,804.96	59.79	64.641		
6,500.00	5,609.47	4,823.32	4,523.00	61.30	33.02	-138.56	1,395.72	-1,219.51	3,936.45	3,875.84	60.62	64.942		
6,600.00	5,690.11	4,864.00	4,560.35	62.53	33.34	-138.66	1,407.75	-1,230.27	4,008.80	3,947.53	61.28	65.423		
6,700.00	5,770.75	4,893.05	4,586.93	63.75	33.58	-138.73	1,416.38	-1,238.18	4,081.73	4,019.95	61.78	66.070		
6,800.00	5,851.39	4,925.22	4,616.35	64.98	33.84	-138.81	1,425.77	-1,247.21	4,155.25	4,092.93	62.32	66.678		
6,900.00	5,932.03	6,900.00	5,511.63	66.21	43.20	-142.16	1,610.88	-1,423.39	4,220.27	4,144.64	75.63	55.798		
7,000.00	6,012.67	6,050.87	5,701.37	67.44	39.98	-143.08	1,624.95	-1,438.52	4,277.71	4,204.18	73.53	58.178		
7,100.00	6,093.31	6,360.36	6,010.37	68.66	40.73	-144.70	1,632.23	-1,452.45	4,333.20	4,257.89	75.31	57.538		
7,200.00	6,173.95	6,489.91	6,139.90	69.89	40.97	-145.38	1,631.87	-1,453.48	4,385.29	4,309.09	76.20	57.550		
7,300.00	6,254.59	6,548.00	6,198.00	71.12	41.08	-145.67	1,632.15	-1,453.99	4,437.81	4,360.97	76.84	57.756		
7,400.00	6,335.23	6,602.12	6,252.10	72.35	41.19	-145.94	1,632.60	-1,454.76	4,490.94	4,413.48	77.46	57.978		
7,500.00	6,415.87	6,677.21	6,327.18	73.58	41.35	-146.30	1,633.38	-1,456.14	4,544.58	4,466.42	78.16	58.147		
7,600.00	6,496.51	6,900.22	6,550.17	74.81	41.79	-147.35	1,634.72	-1,455.73	4,596.21	4,516.82	79.40	57.890		
7,700.00	6,577.15	6,961.34	6,611.29	76.04	41.90	-147.63	1,634.79	-1,455.03	4,647.77	4,567.75	80.02	58.079		
7,800.00	6,657.79	7,016.00	6,665.94	77.27	42.00	-147.88	1,634.65	-1,454.63	4,699.86	4,619.24	80.62	58.296		
7,900.00	6,738.43	7,075.91	6,725.85	78.50	42.11	-148.15	1,634.31	-1,454.48	4,752.50	4,671.27	81.23	58.510		
8,000.00	6,819.07	7,131.69	6,781.63	79.73	42.21	-148.40	1,633.91	-1,454.66	4,805.73	4,723.92	81.81	58.744		
8,100.00	6,899.71	7,189.45	6,839.38	80.96	42.32	-148.65	1,633.57	-1,455.13	4,859.49	4,777.10	82.39	58.979		
8,200.00	6,980.35	7,247.68	6,897.61	82.18	42.44	-148.91	1,633.31	-1,455.86	4,913.76	4,830.78	82.98	59.218		
8,240.58	7,013.07	7,271.30	6,921.23	82.68	42.48	-149.01	1,633.19	-1,456.23	4,935.92	4,852.70	83.21	59.317		
8,250.00	7,020.68	7,276.79	6,926.71	82.80	42.50	-150.83	1,633.17	-1,456.33	4,941.08	4,857.81	83.27	59.341		
8,300.00	7,061.63	7,306.26	6,956.18	83.40	42.56	-160.99	1,633.01	-1,456.86	4,968.77	4,885.24	83.54	59.481		
8,350.00	7,103.23	7,336.16	6,986.08	83.97	42.62	-171.76	1,632.83	-1,457.46	4,996.79	4,913.01	83.77	59.646		
8,400.00	7,145.18	7,366.24	7,016.14	84.51	42.68	177.15	1,632.65	-1,458.14	5,024.89	4,940.91	83.98	59.836		
8,450.00	7,187.16	7,406.91	7,056.80	85.01	42.77	166.13	1,632.39	-1,459.14	5,052.86	4,968.67	84.19	60.016		
8,500.00	7,228.84	7,487.96	7,137.83	85.46	42.93	155.68	1,631.66	-1,460.73	5,080.22	4,995.68	84.54	60.090		
8,550.00	7,269.91	7,516.18	7,166.05	85.86	42.99	145.85	1,631.35	-1,461.22	5,106.87	5,022.23	84.64	60.339		
8,600.00	7,310.05	7,546.73	7,196.59	86.20	43.05	136.92	1,630.96	-1,461.80	5,132.80	5,048.09	84.71	60.593		
8,650.00	7,348.97	7,577.00	7,226.85	86.50	43.11	128.97	1,630.53	-1,462.42	5,157.86	5,073.11	84.76	60.856		
8,700.00	7,386.36	7,577.00	7,226.85	86.74	43.11	121.76	1,630.53	-1,462.42	5,181.98	5,097.34	84.65	61.218		
8,750.00	7,421.94	7,609.77	7,259.61	86.93	43.19	115.69	1,630.19	-1,463.25	5,204.89	5,120.22	84.67	61.472		
8,800.00	7,455.44	8,025.99	7,675.47	87.07	44.02	113.66	1,626.43	-1,460.67	5,225.85	5,139.66	86.19	60.628		
8,850.00	7,486.61	8,045.00	7,694.46	87.16	44.05	109.28	1,626.25	-1,459.84	5,243.77	5,157.62	86.15	60.870		
8,900.00	7,515.20	8,071.47	7,720.91	87.20	44.10	105.60	1,626.03	-1,458.74	5,260.35	5,174.23	86.12	61.082		
8,950.00	7,541.00	8,091.22	7,740.64	87.21	44.13	102.44	1,625.89	-1,457.94	5,275.52	5,189.45	86.07	61.295		
9,000.00	7,563.81	8,108.64	7,758.05	87.17	44.17	99.77	1,625.78	-1,457.26	5,289.21	5,203.20	86.01	61.497		
9,050.00	7,583.47	8,123.60	7,773.00	87.10	44.19	97.55	1,625.71	-1,456.70	5,301.36	5,215.42	85.95	61.682		
9,100.00	7,599.81	8,138.00	7,787.39	87.00	44.22	95.76	1,625.64	-1,456.17	5,311.92	5,226.03	85.89	61.844		
9,150.00	7,612.72	8,147.59	7,796.97	86.88	44.24	94.31	1,625.61	-1,455.82	5,320.84	5,235.01	85.83	61.990		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 4-0-22 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 138-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,622.09	8,156.28	7,805.66	86.72	44.25	93.25	1,625.59	-1,455.50	5,328.07	5,242.28	85.79	62.107		
9,250.00	7,627.87	8,161.63	7,811.00	86.55	44.26	92.51	1,625.57	-1,455.31	5,333.59	5,247.85	85.75	62.201		
9,303.98	7,630.00	8,163.65	7,813.02	86.35	44.27	92.06	1,625.57	-1,455.24	5,337.60	5,251.89	85.71	62.274		
9,400.00	7,630.00	8,163.79	7,813.16	85.99	44.27	92.07	1,625.57	-1,455.23	5,343.77	5,258.11	85.67	62.379		
9,500.00	7,630.00	8,163.93	7,813.30	85.62	44.27	92.07	1,625.57	-1,455.23	5,352.02	5,266.38	85.64	62.495		
9,600.00	7,630.00	8,164.06	7,813.44	85.28	44.27	92.07	1,625.57	-1,455.22	5,362.12	5,276.49	85.63	62.617		
9,700.00	7,630.00	8,164.20	7,813.57	84.95	44.27	92.07	1,625.57	-1,455.22	5,374.07	5,288.42	85.65	62.745		
9,800.00	7,630.00	8,164.34	7,813.71	84.64	44.27	92.07	1,625.57	-1,455.21	5,387.84	5,302.16	85.68	62.881		
9,900.00	7,630.00	8,164.47	7,813.84	84.34	44.27	92.07	1,625.57	-1,455.21	5,403.43	5,317.70	85.74	63.024		
10,000.00	7,630.00	8,164.60	7,813.97	84.06	44.27	92.08	1,625.57	-1,455.20	5,420.83	5,335.02	85.81	63.174		
10,100.00	7,630.00	8,164.73	7,814.10	83.80	44.27	92.08	1,625.57	-1,455.20	5,440.00	5,354.10	85.90	63.333		
10,200.00	7,630.00	8,164.85	7,814.22	83.56	44.27	92.08	1,625.57	-1,455.19	5,460.94	5,374.94	86.00	63.499		
10,300.00	7,630.00	8,164.98	7,814.35	83.33	44.27	92.08	1,625.57	-1,455.19	5,483.62	5,397.50	86.12	63.674		
10,400.00	7,630.00	8,165.10	7,814.47	83.12	44.27	92.08	1,625.57	-1,455.18	5,508.02	5,421.77	86.26	63.857		
10,500.00	7,630.00	8,165.22	7,814.59	82.92	44.27	92.08	1,625.57	-1,455.18	5,534.13	5,447.72	86.41	64.049		
10,600.00	7,630.00	8,165.34	7,814.71	82.75	44.27	92.08	1,625.57	-1,455.18	5,561.91	5,475.34	86.57	64.250		
10,700.00	7,630.00	8,165.46	7,814.83	82.59	44.27	92.08	1,625.57	-1,455.17	5,591.34	5,504.60	86.74	64.460		
10,800.00	7,630.00	8,165.58	7,814.95	82.45	44.27	92.09	1,625.57	-1,455.17	5,622.39	5,535.47	86.93	64.679		
10,900.00	7,630.00	8,165.69	7,815.06	82.33	44.27	92.09	1,625.57	-1,455.16	5,655.05	5,567.92	87.12	64.908		
11,000.00	7,630.00	8,165.80	7,815.17	82.22	44.27	92.09	1,625.57	-1,455.16	5,689.27	5,601.94	87.33	65.147		
11,100.00	7,630.00	8,165.92	7,815.28	82.14	44.27	92.09	1,625.57	-1,455.16	5,725.04	5,637.49	87.54	65.396		
11,200.00	7,630.00	8,166.03	7,815.39	82.08	44.27	92.09	1,625.57	-1,455.15	5,762.31	5,674.55	87.77	65.655		
11,300.00	7,630.00	8,166.13	7,815.50	82.04	44.27	92.09	1,625.57	-1,455.15	5,801.08	5,713.08	88.00	65.924		
11,400.00	7,630.00	8,166.24	7,815.61	82.02	44.27	92.09	1,625.57	-1,455.14	5,841.30	5,753.06	88.23	66.202		
11,500.00	7,630.00	8,166.35	7,815.71	82.03	44.27	92.09	1,625.57	-1,455.14	5,882.94	5,794.46	88.48	66.491		
11,600.00	7,630.00	8,166.45	7,815.82	82.06	44.27	92.09	1,625.57	-1,455.14	5,925.98	5,837.26	88.73	66.790		
11,700.00	7,630.00	8,166.55	7,815.92	82.12	44.27	92.10	1,625.57	-1,455.13	5,970.38	5,881.41	88.98	67.100		
11,800.00	7,630.00	8,166.65	7,816.02	82.21	44.27	92.10	1,625.56	-1,455.13	6,016.12	5,926.89	89.24	67.419		
11,900.00	7,630.00	8,166.75	7,816.12	82.33	44.27	92.10	1,625.56	-1,455.13	6,063.17	5,973.67	89.50	67.748		
12,000.00	7,630.00	8,166.85	7,816.22	82.48	44.27	92.10	1,625.56	-1,455.12	6,111.48	6,021.72	89.76	68.087		
12,100.00	7,630.00	8,166.95	7,816.32	82.66	44.27	92.10	1,625.56	-1,455.12	6,161.04	6,071.02	90.03	68.436		
12,200.00	7,630.00	8,167.05	7,816.42	82.88	44.27	92.10	1,625.56	-1,455.12	6,211.82	6,121.53	90.29	68.795		
12,300.00	7,630.00	8,167.14	7,816.51	83.14	44.27	92.10	1,625.56	-1,455.11	6,263.78	6,173.22	90.56	69.164		
12,400.00	7,630.00	8,167.24	7,816.60	83.44	44.27	92.10	1,625.56	-1,455.11	6,316.90	6,226.06	90.84	69.542		
12,500.00	7,630.00	8,167.33	7,816.70	83.79	44.28	92.10	1,625.56	-1,455.11	6,371.14	6,280.03	91.11	69.929		
12,600.00	7,630.00	8,167.42	7,816.79	84.18	44.28	92.11	1,625.56	-1,455.10	6,426.48	6,335.10	91.38	70.326		
12,700.00	7,630.00	8,167.51	7,816.88	84.61	44.28	92.11	1,625.56	-1,455.10	6,482.89	6,391.24	91.65	70.732		
12,800.00	7,630.00	8,167.60	7,816.97	85.10	44.28	92.11	1,625.56	-1,455.10	6,540.35	6,448.42	91.93	71.148		
12,900.00	7,630.00	8,167.69	7,817.06	85.64	44.28	92.11	1,625.56	-1,455.09	6,598.82	6,506.62	92.20	71.572		
13,000.00	7,630.00	8,167.77	7,817.14	86.22	44.28	92.11	1,625.56	-1,455.09	6,658.28	6,565.81	92.47	72.004		
13,100.00	7,630.00	8,167.86	7,817.23	86.86	44.28	92.11	1,625.56	-1,455.09	6,718.70	6,625.96	92.74	72.446		
13,200.00	7,630.00	8,167.95	7,817.31	87.56	44.28	92.11	1,625.56	-1,455.08	6,780.05	6,687.04	93.01	72.895		
13,300.00	7,630.00	8,168.03	7,817.40	88.30	44.28	92.11	1,625.56	-1,455.08	6,842.32	6,749.04	93.28	73.353		
13,400.00	7,630.00	8,168.11	7,817.48	89.10	44.28	92.11	1,625.56	-1,455.08	6,905.48	6,811.93	93.55	73.819		
13,500.00	7,630.00	8,168.19	7,817.56	89.94	44.28	92.11	1,625.56	-1,455.07	6,969.49	6,875.68	93.81	74.293		
13,600.00	7,630.00	8,168.28	7,817.64	90.84	44.28	92.11	1,625.56	-1,455.07	7,034.35	6,940.28	94.07	74.775		
13,700.00	7,630.00	8,168.36	7,817.72	91.78	44.28	92.12	1,625.56	-1,455.07	7,100.02	7,005.69	94.33	75.264		
13,800.00	7,630.00	8,168.43	7,817.80	92.77	44.28	92.12	1,625.56	-1,455.07	7,166.49	7,071.90	94.59	75.761		
13,900.00	7,630.00	8,168.51	7,817.88	93.79	44.28	92.12	1,625.56	-1,455.06	7,233.73	7,138.88	94.85	76.265		
14,000.00	7,630.00	8,168.59	7,817.96	94.86	44.28	92.12	1,625.56	-1,455.06	7,301.72	7,206.61	95.10	76.776		
14,100.00	7,630.00	8,168.67	7,818.03	95.97	44.28	92.12	1,625.56	-1,455.06	7,370.43	7,275.08	95.36	77.295		
14,200.00	7,630.00	8,168.74	7,818.11	97.11	44.28	92.12	1,625.56	-1,455.05	7,439.86	7,344.26	95.60	77.819		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 4-0-22 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 138-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,630.00	8,168.82	7,818.18	98.28	44.28	92.12	1,625.56	-1,455.05	7,509.98	7,414.13	95.85	78.351		
14,400.00	7,630.00	8,168.89	7,818.26	99.48	44.28	92.12	1,625.56	-1,455.05	7,580.77	7,484.67	96.09	78.889		
14,500.00	7,630.00	8,168.96	7,818.33	100.72	44.28	92.12	1,625.56	-1,455.05	7,652.21	7,555.87	96.34	79.433		
14,600.00	7,630.00	8,169.04	7,818.40	101.97	44.28	92.12	1,625.56	-1,455.04	7,724.28	7,627.71	96.57	79.984		
14,700.00	7,630.00	8,169.11	7,818.48	103.26	44.28	92.12	1,625.56	-1,455.04	7,796.97	7,700.16	96.81	80.540		
14,800.00	7,630.00	8,169.18	7,818.55	104.56	44.28	92.12	1,625.56	-1,455.04	7,870.26	7,773.22	97.04	81.102		
14,900.00	7,630.00	8,169.25	7,818.62	105.89	44.28	92.13	1,625.56	-1,455.04	7,944.13	7,846.86	97.27	81.670		
15,000.00	7,630.00	8,169.32	7,818.68	107.24	44.28	92.13	1,625.56	-1,455.03	8,018.57	7,921.07	97.50	82.244		
15,100.00	7,630.00	8,169.39	7,818.75	108.60	44.28	92.13	1,625.56	-1,455.03	8,093.56	7,995.84	97.72	82.823		
15,200.00	7,630.00	8,169.45	7,818.82	109.98	44.28	92.13	1,625.56	-1,455.03	8,169.09	8,071.14	97.94	83.407		
15,300.00	7,630.00	8,169.52	7,818.89	111.38	44.28	92.13	1,625.56	-1,455.03	8,245.13	8,146.97	98.16	83.996		
15,400.00	7,630.00	8,169.59	7,818.95	112.79	44.28	92.13	1,625.56	-1,455.02	8,321.69	8,223.31	98.38	84.591		
15,500.00	7,630.00	8,169.65	7,819.02	114.22	44.28	92.13	1,625.56	-1,455.02	8,398.73	8,300.14	98.59	85.190		
15,600.00	7,630.00	8,169.72	7,819.08	115.66	44.28	92.13	1,625.56	-1,455.02	8,476.26	8,377.46	98.80	85.794		
15,700.00	7,630.00	8,169.78	7,819.15	117.11	44.28	92.13	1,625.56	-1,455.02	8,554.25	8,455.25	99.00	86.403		
15,800.00	7,630.00	8,169.85	7,819.21	118.57	44.28	92.13	1,625.56	-1,455.01	8,632.70	8,533.49	99.21	87.016		
15,900.00	7,630.00	8,169.91	7,819.27	120.05	44.28	92.13	1,625.56	-1,455.01	8,711.58	8,612.17	99.41	87.634		
16,000.00	7,630.00	8,169.97	7,819.34	121.53	44.28	92.13	1,625.56	-1,455.01	8,790.90	8,691.29	99.61	88.255		
16,100.00	7,630.00	8,170.03	7,819.40	123.03	44.28	92.13	1,625.56	-1,455.01	8,870.63	8,770.83	99.80	88.881		
16,200.00	7,630.00	8,170.09	7,819.46	124.53	44.28	92.13	1,625.56	-1,455.01	8,950.78	8,850.78	100.00	89.511		
16,300.00	7,630.00	8,170.15	7,819.52	126.04	44.28	92.13	1,625.56	-1,455.00	9,031.31	8,931.13	100.19	90.145		
16,400.00	7,630.00	8,170.21	7,819.58	127.56	44.28	92.14	1,625.56	-1,455.00	9,112.24	9,011.86	100.37	90.783		
16,500.00	7,630.00	8,170.27	7,819.64	129.09	44.28	92.14	1,625.56	-1,455.00	9,193.54	9,092.98	100.56	91.424		
16,600.00	7,630.00	8,170.33	7,819.70	130.62	44.28	92.14	1,625.56	-1,455.00	9,275.20	9,174.46	100.74	92.069		
16,700.00	7,630.00	8,170.39	7,819.75	132.16	44.28	92.14	1,625.56	-1,455.00	9,357.22	9,256.30	100.92	92.718		
16,800.00	7,630.00	8,170.45	7,819.81	133.71	44.28	92.14	1,625.56	-1,454.99	9,439.59	9,338.49	101.10	93.370		
16,900.00	7,630.00	8,170.50	7,819.87	135.27	44.28	92.14	1,625.56	-1,454.99	9,522.29	9,421.02	101.27	94.025		
17,000.00	7,630.00	8,170.56	7,819.93	136.83	44.28	92.14	1,625.56	-1,454.99	9,605.33	9,503.88	101.45	94.683		
17,100.00	7,630.00	8,170.61	7,819.98	138.39	44.28	92.14	1,625.56	-1,454.99	9,688.68	9,587.07	101.62	95.345		
17,200.00	7,630.00	8,170.67	7,820.04	139.97	44.28	92.14	1,625.56	-1,454.99	9,772.35	9,670.56	101.79	96.009		
17,300.00	7,630.00	8,170.72	7,820.09	141.54	44.28	92.14	1,625.56	-1,454.98	9,856.32	9,754.37	101.95	96.677		
17,400.00	7,630.00	8,170.78	7,820.14	143.12	44.28	92.14	1,625.56	-1,454.98	9,940.59	9,838.47	102.12	97.347		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 41-22 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 138-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	-29.69	218.57	-124.60	251.75					
100.00	100.00	90.23	90.23	0.13	0.15	-29.67	218.73	-124.61	251.73	251.45	0.28	895.508 CC		
200.00	200.00	188.64	188.63	0.49	0.41	-29.53	219.51	-124.33	252.29	251.39	0.90	280.765 ES		
300.00	300.00	284.55	284.47	0.85	0.75	-28.80	222.42	-122.27	253.89	252.29	1.60	158.256		
400.00	400.00	380.91	380.60	1.21	1.11	-27.50	228.07	-118.71	257.33	255.01	2.32	111.023		
500.00	500.00	475.88	475.02	1.57	1.47	-25.52	236.23	-112.76	262.25	259.21	3.04	86.361		
600.00	600.00	567.76	565.89	1.93	1.85	-23.00	247.33	-104.98	269.86	266.10	3.76	71.766		
700.00	700.00	657.33	653.96	2.29	2.24	-20.29	261.31	-96.62	281.05	276.57	4.48	62.725		
800.00	799.98	750.82	745.39	2.64	2.67	-79.28	278.66	-87.65	295.34	290.13	5.22	56.628		
900.00	899.84	843.15	835.40	2.99	3.12	-77.21	297.12	-78.67	310.80	304.86	5.94	52.288		
1,000.00	999.45	935.18	924.76	3.35	3.58	-75.84	317.45	-70.22	327.87	321.18	6.68	49.066		
1,100.00	1,098.70	1,033.58	1,020.11	3.73	4.08	-75.12	340.25	-61.79	345.36	337.90	7.46	46.272		
1,200.00	1,197.47	1,134.21	1,117.74	4.11	4.60	-75.01	363.00	-53.08	361.41	353.11	8.29	43.579		
1,300.00	1,295.62	1,236.65	1,217.18	4.53	5.13	-75.35	385.65	-43.35	375.90	366.73	9.17	41.004		
1,400.00	1,393.06	1,342.39	1,320.24	4.97	5.67	-76.41	407.36	-34.00	388.24	378.15	10.10	38.448		
1,500.00	1,489.64	1,429.52	1,405.09	5.44	6.11	-77.63	425.73	-26.66	400.66	389.70	10.96	36.567		
1,600.00	1,585.27	1,527.28	1,499.82	5.95	6.63	-79.18	448.06	-17.50	414.12	402.17	11.95	34.656		
1,700.00	1,679.82	1,621.85	1,590.98	6.51	7.15	-80.69	470.81	-6.70	427.86	414.86	13.00	32.925		
1,800.00	1,773.17	1,724.92	1,690.20	7.13	7.73	-82.59	495.64	5.96	441.28	427.10	14.18	31.120		
1,900.00	1,865.21	1,827.82	1,789.59	7.79	8.29	-84.91	519.18	18.52	453.88	438.44	15.43	29.410		
2,000.00	1,955.84	1,933.77	1,892.52	8.51	8.85	-87.83	541.05	30.80	465.43	448.66	16.77	27.754		
2,100.00	2,044.94	2,034.91	1,991.43	9.30	9.34	-91.16	559.28	41.36	476.61	458.49	18.12	26.303		
2,200.00	2,132.39	2,132.47	2,087.49	10.15	9.79	-94.94	574.46	49.14	489.19	469.70	19.48	25.110		
2,300.00	2,218.11	2,228.29	2,181.83	11.07	10.23	-98.73	588.81	57.81	503.56	482.71	20.86	24.143		
2,400.00	2,301.97	2,317.06	2,269.11	12.06	10.65	-102.20	602.54	66.48	521.06	498.85	22.21	23.459		
2,500.00	2,383.88	2,403.42	2,353.67	13.11	11.06	-105.41	617.48	75.61	542.63	519.08	23.56	23.037		
2,512.74	2,394.17	2,414.44	2,364.45	13.25	11.12	-105.81	619.45	76.78	545.67	521.94	23.73	22.999		
2,600.00	2,464.54	2,491.68	2,439.96	14.22	11.50	-108.94	633.48	84.97	567.79	542.90	24.89	22.814		
2,700.00	2,545.18	2,581.06	2,527.36	15.35	11.94	-112.31	649.57	94.51	595.13	568.96	26.17	22.740 SF		
2,800.00	2,625.82	2,666.04	2,610.30	16.50	12.37	-115.20	665.70	103.60	624.93	597.55	27.37	22.829		
2,900.00	2,706.45	2,757.29	2,699.29	17.65	12.83	-118.02	683.54	113.01	656.93	628.34	28.59	22.981		
3,000.00	2,787.09	2,870.56	2,810.19	18.82	13.39	-121.39	702.08	126.54	687.62	657.74	29.89	23.008		
3,100.00	2,867.73	2,957.70	2,895.47	19.99	13.81	-123.75	716.12	137.72	719.03	688.08	30.95	23.231		
3,200.00	2,948.37	3,050.09	2,985.71	21.17	14.27	-125.99	731.99	149.59	751.96	719.92	32.04	23.469		
3,300.00	3,029.01	3,146.46	3,079.37	22.36	14.77	-128.00	749.70	163.77	784.58	751.41	33.17	23.655		
3,400.00	3,109.65	3,224.21	3,154.87	23.55	15.18	-129.46	764.79	174.56	818.99	784.86	34.13	23.993		
3,500.00	3,190.29	3,311.15	3,239.68	24.74	15.62	-131.09	780.47	185.44	854.90	819.77	35.12	24.340		
3,600.00	3,270.93	3,401.15	3,327.51	25.94	16.08	-132.65	796.72	196.50	891.64	855.53	36.11	24.689		
3,700.00	3,351.57	3,471.96	3,396.45	27.14	16.44	-133.73	810.68	204.68	929.92	892.97	36.95	25.167		
3,800.00	3,432.21	3,580.28	3,501.89	28.35	17.00	-135.25	832.27	216.78	969.11	930.99	38.13	25.418		
3,900.00	3,512.85	3,671.21	3,590.30	29.56	17.48	-136.41	850.22	228.22	1,007.32	968.19	39.14	25.738		
4,000.00	3,593.49	3,768.00	3,684.26	30.76	17.99	-137.53	869.77	240.74	1,045.62	1,005.41	40.21	26.005		
4,100.00	3,674.13	3,847.22	3,761.30	31.97	18.41	-138.41	885.30	250.76	1,084.39	1,043.29	41.10	26.387		
4,200.00	3,754.77	3,961.52	3,871.92	33.19	19.03	-139.47	909.78	265.76	1,123.28	1,080.92	42.36	26.519		
4,300.00	3,835.41	4,023.08	3,931.37	34.40	19.37	-139.98	923.53	273.90	1,162.30	1,119.18	43.12	26.956		
4,400.00	3,916.05	4,099.75	4,005.87	35.62	19.78	-140.65	939.59	282.25	1,203.42	1,159.43	43.98	27.360		
4,500.00	3,996.69	4,185.15	4,088.93	36.83	20.22	-141.36	957.23	291.34	1,244.97	1,200.04	44.93	27.712		
4,600.00	4,077.33	4,269.95	4,171.59	38.05	20.65	-142.06	974.20	299.71	1,287.33	1,241.49	45.84	28.083		
4,700.00	4,157.96	4,380.93	4,280.16	39.27	21.20	-143.02	994.08	311.29	1,329.24	1,282.28	46.96	28.307		
4,800.00	4,238.60	4,471.66	4,369.05	40.49	21.64	-143.81	1,008.78	321.93	1,370.06	1,322.22	47.84	28.637		
4,900.00	4,319.24	4,540.71	4,436.84	41.71	21.97	-144.41	1,019.68	329.28	1,412.07	1,363.55	48.51	29.106		
5,000.00	4,399.88	4,605.09	4,500.28	42.93	22.26	-144.97	1,028.99	335.07	1,455.70	1,406.59	49.11	29.644		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 41-22 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 138-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,480.52	4,672.55	4,567.03	44.15	22.54	-145.60	1,037.38	340.05	1,500.89	1,451.22	49.67	30.217		
5,200.00	4,561.16	4,737.33	4,631.36	45.37	22.79	-146.25	1,043.87	343.96	1,547.48	1,497.32	50.16	30.850		
5,300.00	4,641.80	4,802.00	4,695.75	46.59	23.03	-146.92	1,049.09	346.84	1,595.64	1,545.03	50.61	31.528		
5,400.00	4,722.44	4,864.14	4,757.73	47.82	23.23	-147.57	1,053.09	348.79	1,645.22	1,594.23	51.00	32.261		
5,500.00	4,803.08	4,931.62	4,825.12	49.04	23.44	-148.29	1,056.34	350.23	1,696.00	1,644.60	51.40	32.997		
5,600.00	4,883.72	5,002.54	4,896.01	50.27	23.65	-149.07	1,058.16	351.21	1,747.77	1,695.98	51.79	33.744		
5,700.00	4,964.36	5,086.02	4,979.47	51.49	23.89	-149.97	1,059.47	352.22	1,800.06	1,747.79	52.27	34.435		
5,800.00	5,045.00	5,161.49	5,054.93	52.71	24.09	-150.77	1,059.97	353.08	1,852.77	1,800.10	52.68	35.173		
5,900.00	5,125.64	5,219.26	5,112.70	53.94	24.23	-151.37	1,059.91	353.40	1,906.36	1,853.42	52.94	36.012		
6,000.00	5,206.28	5,272.61	5,166.05	55.17	24.37	-151.89	1,060.23	352.87	1,961.38	1,908.21	53.17	36.890		
6,100.00	5,286.92	5,347.11	5,240.54	56.39	24.56	-152.58	1,060.96	351.51	2,017.31	1,963.72	53.59	37.643		
6,200.00	5,367.56	5,431.94	5,325.34	57.62	24.78	-153.32	1,061.83	349.90	2,073.53	2,019.42	54.11	38.319		
6,300.00	5,448.20	5,517.55	5,410.94	58.84	25.01	-154.03	1,062.60	348.56	2,129.71	2,075.06	54.65	38.971		
6,400.00	5,528.84	5,591.40	5,484.78	60.07	25.20	-154.62	1,062.95	347.51	2,186.03	2,130.94	55.08	39.685		
6,500.00	5,609.47	5,662.00	5,555.37	61.30	25.38	-155.17	1,062.99	346.15	2,242.96	2,187.46	55.49	40.417		
6,600.00	5,690.11	5,749.45	5,642.81	62.53	25.60	-155.82	1,063.02	344.52	2,300.03	2,243.98	56.05	41.032		
6,700.00	5,770.75	5,825.52	5,718.86	63.75	25.80	-156.36	1,063.17	343.13	2,357.23	2,300.69	56.53	41.697		
6,800.00	5,851.39	5,934.82	5,828.15	64.98	26.09	-157.08	1,063.69	341.67	2,414.16	2,356.85	57.31	42.127		
6,900.00	5,932.03	5,992.28	5,885.60	66.21	26.25	-157.45	1,063.97	340.93	2,471.16	2,413.51	57.65	42.867		
7,000.00	6,012.67	6,081.28	5,974.59	67.44	26.48	-157.99	1,064.20	339.50	2,528.62	2,470.36	58.26	43.402		
7,100.00	6,093.31	6,173.58	6,066.89	68.66	26.73	-158.54	1,064.35	338.70	2,585.61	2,526.71	58.91	43.894		
7,200.00	6,173.95	6,244.45	6,137.75	69.89	26.93	-158.93	1,064.52	338.13	2,642.67	2,583.30	59.38	44.506		
7,300.00	6,254.59	6,310.01	6,203.31	71.12	27.11	-159.29	1,064.71	337.18	2,700.33	2,640.52	59.81	45.149		
7,400.00	6,335.23	6,403.54	6,296.82	72.35	27.36	-159.77	1,064.96	335.87	2,758.07	2,697.58	60.49	45.595		
7,500.00	6,415.87	6,492.13	6,385.41	73.58	27.61	-160.22	1,065.02	334.98	2,815.62	2,754.49	61.13	46.061		
7,600.00	6,496.51	6,614.74	6,508.01	74.81	27.94	-160.84	1,063.82	335.45	2,872.28	2,810.26	62.03	46.307		
7,700.00	6,577.15	6,695.64	6,588.90	76.04	28.16	-161.24	1,062.61	336.34	2,928.65	2,866.07	62.58	46.797		
7,800.00	6,657.79	6,769.35	6,662.60	77.27	28.36	-161.59	1,061.73	336.99	2,985.24	2,922.15	63.09	47.317		
7,900.00	6,738.43	6,849.73	6,742.97	78.50	28.58	-161.95	1,061.06	337.52	3,042.02	2,978.35	63.66	47.782		
8,000.00	6,819.07	6,946.00	6,839.24	79.73	28.85	-162.36	1,060.66	338.27	3,098.71	3,034.32	64.38	48.129		
8,100.00	6,899.71	7,028.18	6,921.42	80.96	29.09	-162.69	1,060.89	339.04	3,155.21	3,090.20	65.00	48.538		
8,200.00	6,980.35	7,108.61	7,001.84	82.18	29.33	-162.98	1,061.59	339.67	3,211.79	3,146.16	65.63	48.941		
8,240.58	7,013.07	7,141.20	7,034.43	82.68	29.43	-163.10	1,061.83	339.92	3,234.77	3,168.90	65.88	49.103		
8,250.00	7,020.68	7,151.68	7,044.90	82.80	29.46	-164.96	1,061.90	340.01	3,240.10	3,174.14	65.96	49.121		
8,300.00	7,061.63	7,210.02	7,103.25	83.40	29.64	-175.13	1,062.41	340.65	3,267.94	3,201.51	66.43	49.193		
8,350.00	7,103.23	7,281.95	7,175.16	83.97	29.87	174.43	1,063.18	341.91	3,294.84	3,227.82	67.02	49.163		
8,400.00	7,145.18	7,346.85	7,240.03	84.51	30.07	164.01	1,063.70	343.71	3,320.42	3,252.87	67.54	49.160		
8,450.00	7,187.16	7,388.59	7,281.75	85.01	30.19	153.79	1,063.91	345.00	3,344.86	3,276.98	67.88	49.279		
8,500.00	7,228.84	7,429.16	7,322.30	85.46	30.32	144.14	1,064.00	346.27	3,368.09	3,299.89	68.20	49.383		
8,550.00	7,269.91	7,465.34	7,358.46	85.86	30.43	135.29	1,064.18	347.33	3,390.02	3,321.52	68.50	49.489		
8,600.00	7,310.05	7,500.43	7,393.53	86.20	30.54	127.39	1,064.53	348.25	3,410.55	3,341.76	68.80	49.575		
8,650.00	7,348.97	7,539.47	7,432.56	86.50	30.67	120.56	1,065.11	349.19	3,429.59	3,360.45	69.14	49.607		
8,700.00	7,386.36	7,580.70	7,473.78	86.74	30.80	114.74	1,065.80	350.19	3,446.97	3,377.46	69.50	49.593		
8,750.00	7,421.94	7,619.79	7,512.85	86.93	30.92	109.82	1,066.52	351.17	3,462.65	3,392.78	69.87	49.560		
8,800.00	7,455.44	7,656.36	7,549.39	87.07	31.04	105.70	1,067.12	352.14	3,476.60	3,406.38	70.22	49.507		
8,850.00	7,486.61	7,690.56	7,583.58	87.16	31.15	102.29	1,067.61	353.09	3,488.82	3,418.24	70.58	49.432		
8,900.00	7,515.20	7,714.58	7,607.59	87.20	31.23	99.38	1,067.91	353.77	3,499.30	3,428.43	70.87	49.379		
8,950.00	7,541.00	7,731.85	7,624.85	87.21	31.28	96.95	1,068.09	354.22	3,508.12	3,437.00	71.12	49.326		
9,000.00	7,563.81	7,747.09	7,640.09	87.17	31.33	94.99	1,068.24	354.59	3,515.29	3,443.90	71.39	49.244		
9,050.00	7,583.47	7,760.20	7,653.19	87.10	31.37	93.46	1,068.35	354.89	3,520.78	3,449.12	71.66	49.132		
9,100.00	7,599.81	7,771.08	7,664.07	87.00	31.40	92.30	1,068.43	355.11	3,524.62	3,452.67	71.95	48.988		
9,150.00	7,612.72	7,779.65	7,672.64	86.88	31.43	91.50	1,068.49	355.28	3,526.80	3,454.55	72.25	48.814		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 41-22 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 138-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,622.09	7,785.83	7,678.82	86.72	31.45	91.03	1,068.53	355.39	3,527.33	3,454.76	72.57	48.609		
9,250.00	7,627.87	7,797.00	7,689.99	86.55	31.49	90.99	1,068.59	355.59	3,526.25	3,453.29	72.96	48.333		
9,303.98	7,630.00	7,797.00	7,689.99	86.35	31.49	91.12	1,068.59	355.59	3,523.25	3,449.93	73.32	48.054		
9,400.00	7,630.00	7,797.00	7,689.99	85.99	31.49	91.12	1,068.59	355.59	3,517.59	3,443.57	74.02	47.525		
9,500.00	7,630.00	7,797.00	7,689.99	85.62	31.49	91.12	1,068.59	355.59	3,514.47	3,439.70	74.77	47.004		
9,559.67	7,630.00	7,797.00	7,689.99	85.41	31.49	91.12	1,068.59	355.59	3,513.96	3,438.72	75.24	46.702		
9,600.00	7,630.00	7,797.00	7,689.99	85.28	31.49	91.12	1,068.59	355.59	3,514.19	3,438.64	75.55	46.514		
9,700.00	7,630.00	7,797.00	7,689.99	84.95	31.49	91.12	1,068.59	355.59	3,516.76	3,440.41	76.35	46.059		
9,800.00	7,630.00	7,788.87	7,681.86	84.64	31.46	90.99	1,068.54	355.45	3,522.16	3,445.05	77.11	45.679		
9,900.00	7,630.00	7,788.47	7,681.46	84.34	31.46	90.99	1,068.54	355.44	3,530.39	3,452.46	77.93	45.300		
10,000.00	7,630.00	7,788.06	7,681.04	84.06	31.46	90.98	1,068.54	355.43	3,541.43	3,462.66	78.77	44.961		
10,100.00	7,630.00	7,787.64	7,680.63	83.80	31.46	90.97	1,068.54	355.43	3,555.24	3,475.64	79.60	44.663		
10,200.00	7,630.00	7,787.22	7,680.21	83.56	31.46	90.97	1,068.54	355.42	3,571.81	3,491.38	80.43	44.407		
10,300.00	7,630.00	7,786.80	7,679.79	83.33	31.45	90.96	1,068.53	355.41	3,591.08	3,509.82	81.26	44.193		
10,400.00	7,630.00	7,786.37	7,679.36	83.12	31.45	90.95	1,068.53	355.40	3,613.02	3,530.95	82.07	44.022		
10,500.00	7,630.00	7,785.93	7,678.92	82.92	31.45	90.94	1,068.53	355.39	3,637.58	3,554.71	82.87	43.893		
10,600.00	7,630.00	7,785.49	7,678.48	82.75	31.45	90.94	1,068.52	355.39	3,664.70	3,581.04	83.66	43.806		
10,700.00	7,630.00	7,785.05	7,678.04	82.59	31.45	90.93	1,068.52	355.38	3,694.33	3,609.91	84.42	43.761		
10,800.00	7,630.00	7,784.60	7,677.59	82.45	31.45	90.92	1,068.52	355.37	3,726.41	3,641.25	85.16	43.756		
10,900.00	7,630.00	7,784.15	7,677.14	82.33	31.45	90.92	1,068.52	355.36	3,760.88	3,674.99	85.88	43.791		
11,000.00	7,630.00	7,783.69	7,676.68	82.22	31.44	90.91	1,068.51	355.35	3,797.66	3,711.09	86.58	43.865		
11,100.00	7,630.00	7,783.22	7,676.21	82.14	31.44	90.90	1,068.51	355.34	3,836.70	3,749.46	87.24	43.977		
11,200.00	7,630.00	7,782.75	7,675.74	82.08	31.44	90.89	1,068.51	355.34	3,877.93	3,790.05	87.88	44.126		
11,300.00	7,630.00	7,782.28	7,675.27	82.04	31.44	90.88	1,068.51	355.33	3,921.27	3,832.78	88.50	44.309		
11,400.00	7,630.00	7,781.80	7,674.79	82.02	31.44	90.88	1,068.50	355.32	3,966.67	3,877.58	89.08	44.528		
11,500.00	7,630.00	7,781.31	7,674.30	82.03	31.44	90.87	1,068.50	355.31	4,014.04	3,924.39	89.64	44.779		
11,600.00	7,630.00	7,780.82	7,673.81	82.06	31.44	90.86	1,068.50	355.30	4,063.31	3,973.14	90.17	45.062		
11,700.00	7,630.00	7,780.32	7,673.31	82.12	31.43	90.85	1,068.49	355.29	4,114.43	4,023.76	90.68	45.375		
11,800.00	7,630.00	7,779.81	7,672.81	82.21	31.43	90.84	1,068.49	355.28	4,167.33	4,076.17	91.15	45.717		
11,900.00	7,630.00	7,779.30	7,672.29	82.33	31.43	90.84	1,068.49	355.27	4,221.93	4,130.32	91.61	46.088		
12,000.00	7,630.00	7,778.79	7,671.78	82.48	31.43	90.83	1,068.48	355.26	4,278.17	4,186.13	92.03	46.486		
12,100.00	7,630.00	7,778.27	7,671.26	82.66	31.43	90.82	1,068.48	355.25	4,335.98	4,243.55	92.43	46.909		
12,200.00	7,630.00	7,777.74	7,670.73	82.88	31.43	90.81	1,068.48	355.24	4,395.31	4,302.50	92.81	47.356		
12,300.00	7,630.00	7,777.20	7,670.19	83.14	31.42	90.80	1,068.47	355.23	4,456.10	4,362.93	93.17	47.828		
12,400.00	7,630.00	7,776.66	7,669.65	83.44	31.42	90.79	1,068.47	355.22	4,518.28	4,424.78	93.51	48.321		
12,500.00	7,630.00	7,776.11	7,669.10	83.79	31.42	90.78	1,068.46	355.21	4,581.80	4,487.98	93.82	48.836		
12,600.00	7,630.00	7,775.55	7,668.54	84.18	31.42	90.78	1,068.46	355.20	4,646.61	4,552.49	94.11	49.372		
12,700.00	7,630.00	7,774.99	7,667.98	84.61	31.42	90.77	1,068.46	355.19	4,712.64	4,618.25	94.39	49.927		
12,800.00	7,630.00	7,774.42	7,667.41	85.10	31.42	90.76	1,068.45	355.18	4,779.86	4,685.21	94.65	50.501		
12,900.00	7,630.00	7,773.84	7,666.83	85.64	31.41	90.75	1,068.45	355.17	4,848.20	4,753.31	94.89	51.092		
13,000.00	7,630.00	7,773.26	7,666.25	86.22	31.41	90.74	1,068.45	355.15	4,917.63	4,822.52	95.12	51.701		
13,100.00	7,630.00	7,772.66	7,665.65	86.86	31.41	90.73	1,068.44	355.14	4,988.10	4,892.77	95.33	52.326		
13,200.00	7,630.00	7,772.06	7,665.05	87.56	31.41	90.72	1,068.44	355.13	5,059.56	4,964.04	95.53	52.966		
13,300.00	7,630.00	7,771.45	7,664.45	88.30	31.41	90.71	1,068.43	355.12	5,131.98	5,036.27	95.71	53.621		
13,400.00	7,630.00	7,770.84	7,663.83	89.10	31.40	90.70	1,068.43	355.11	5,205.31	5,109.43	95.88	54.290		
13,500.00	7,630.00	7,770.21	7,663.20	89.94	31.40	90.69	1,068.42	355.09	5,279.52	5,183.48	96.04	54.972		
13,600.00	7,630.00	7,769.58	7,662.57	90.84	31.40	90.68	1,068.42	355.08	5,354.56	5,258.37	96.19	55.668		
13,700.00	7,630.00	7,768.94	7,661.93	91.78	31.40	90.67	1,068.41	355.07	5,430.41	5,334.08	96.33	56.375		
13,800.00	7,630.00	7,768.29	7,661.28	92.77	31.40	90.66	1,068.41	355.05	5,507.03	5,410.57	96.45	57.094		
13,900.00	7,630.00	7,767.63	7,660.62	93.79	31.39	90.65	1,068.41	355.04	5,584.39	5,487.81	96.57	57.825		
14,000.00	7,630.00	7,766.96	7,659.95	94.86	31.39	90.64	1,068.40	355.03	5,662.46	5,565.77	96.69	58.566		
14,100.00	7,630.00	7,766.28	7,659.27	95.97	31.39	90.62	1,068.40	355.01	5,741.21	5,644.42	96.79	59.317		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 138-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,200.00	7,630.00	7,765.59	7,658.59	97.11	31.39	90.61	1,068.39	355.00	5,820.61	5,723.72	96.88	60.078	
14,300.00	7,630.00	7,764.90	7,657.89	98.28	31.39	90.60	1,068.38	354.98	5,900.64	5,803.66	96.97	60.848	
14,400.00	7,630.00	7,764.19	7,657.18	99.48	31.38	90.59	1,068.38	354.97	5,981.26	5,884.21	97.05	61.628	
14,500.00	7,630.00	7,763.47	7,656.47	100.72	31.38	90.58	1,068.37	354.95	6,062.47	5,965.34	97.13	62.415	
14,600.00	7,630.00	7,762.75	7,655.74	101.97	31.38	90.57	1,068.37	354.94	6,144.23	6,047.03	97.20	63.211	
14,700.00	7,630.00	7,762.01	7,655.00	103.26	31.38	90.55	1,068.36	354.92	6,226.52	6,129.26	97.27	64.015	
14,800.00	7,630.00	7,761.26	7,654.25	104.56	31.37	90.54	1,068.36	354.91	6,309.33	6,212.00	97.33	64.825	
14,900.00	7,630.00	7,760.50	7,653.49	105.89	31.37	90.53	1,068.35	354.89	6,392.62	6,295.24	97.38	65.643	
15,000.00	7,630.00	7,759.73	7,652.72	107.24	31.37	90.52	1,068.34	354.87	6,476.39	6,378.96	97.44	66.468	
15,100.00	7,630.00	7,758.95	7,651.94	108.60	31.37	90.50	1,068.34	354.86	6,560.61	6,463.13	97.48	67.299	
15,200.00	7,630.00	7,758.15	7,651.15	109.98	31.36	90.49	1,068.33	354.84	6,645.27	6,547.75	97.53	68.137	
15,300.00	7,630.00	7,757.34	7,650.34	111.38	31.36	90.48	1,068.33	354.82	6,730.36	6,632.79	97.57	68.980	
15,400.00	7,630.00	7,756.53	7,649.52	112.79	31.36	90.47	1,068.32	354.81	6,815.84	6,718.23	97.61	69.829	
15,500.00	7,630.00	7,755.69	7,648.69	114.22	31.36	90.45	1,068.31	354.79	6,901.72	6,804.08	97.64	70.684	
15,600.00	7,630.00	7,754.85	7,647.85	115.66	31.35	90.44	1,068.30	354.77	6,987.97	6,890.29	97.67	71.543	
15,700.00	7,630.00	7,753.99	7,646.99	117.11	31.35	90.42	1,068.30	354.75	7,074.58	6,976.88	97.70	72.408	
15,800.00	7,630.00	7,753.12	7,646.12	118.57	31.35	90.41	1,068.29	354.73	7,161.55	7,063.81	97.73	73.277	
15,900.00	7,630.00	7,752.24	7,645.23	120.05	31.35	90.40	1,068.28	354.71	7,248.84	7,151.09	97.76	74.151	
16,000.00	7,630.00	7,751.34	7,644.34	121.53	31.34	90.38	1,068.27	354.69	7,336.47	7,238.68	97.78	75.029	
16,100.00	7,630.00	7,750.42	7,643.42	123.03	31.34	90.37	1,068.27	354.67	7,424.40	7,326.60	97.80	75.911	
16,200.00	7,630.00	7,749.50	7,642.49	124.53	31.34	90.35	1,068.26	354.65	7,512.64	7,414.81	97.82	76.798	
16,300.00	7,630.00	7,748.55	7,641.55	126.04	31.33	90.34	1,068.25	354.63	7,601.17	7,503.32	97.84	77.688	
16,400.00	7,630.00	7,747.59	7,640.59	127.56	31.33	90.32	1,068.24	354.60	7,689.98	7,592.12	97.86	78.582	
16,500.00	7,630.00	7,746.62	7,639.62	129.09	31.33	90.30	1,068.23	354.58	7,779.06	7,681.18	97.88	79.479	
16,600.00	7,630.00	7,745.63	7,638.63	130.62	31.32	90.29	1,068.22	354.56	7,868.40	7,770.51	97.89	80.379	
16,700.00	7,630.00	7,744.62	7,637.62	132.16	31.32	90.27	1,068.22	354.53	7,958.00	7,860.09	97.90	81.283	
16,800.00	7,630.00	7,743.59	7,636.59	133.71	31.32	90.25	1,068.21	354.51	8,047.84	7,949.92	97.92	82.190	
16,900.00	7,630.00	7,742.55	7,635.55	135.27	31.32	90.24	1,068.20	354.49	8,137.92	8,039.99	97.93	83.099	
17,000.00	7,630.00	7,741.49	7,634.49	136.83	31.31	90.22	1,068.19	354.46	8,228.22	8,130.28	97.94	84.012	
17,100.00	7,630.00	7,740.41	7,633.41	138.39	31.31	90.20	1,068.18	354.43	8,318.75	8,220.80	97.95	84.927	
17,200.00	7,630.00	7,739.31	7,632.31	139.97	31.30	90.18	1,068.17	354.41	8,409.50	8,311.53	97.96	85.844	
17,300.00	7,630.00	7,738.19	7,631.19	141.54	31.30	90.17	1,068.15	354.38	8,500.45	8,402.48	97.97	86.764	
17,400.00	7,630.00	7,737.05	7,630.05	143.12	31.30	90.15	1,068.14	354.35	8,591.60	8,493.62	97.98	87.686	
17,500.00	7,630.00	7,735.89	7,628.89	144.71	31.29	90.13	1,068.13	354.32	8,682.95	8,584.96	97.99	88.611	
17,600.00	7,630.00	7,734.71	7,627.71	146.30	31.29	90.11	1,068.12	354.30	8,774.48	8,676.48	98.00	89.537	
17,700.00	7,630.00	7,733.50	7,626.51	147.90	31.29	90.09	1,068.11	354.27	8,866.20	8,768.19	98.01	90.466	
17,800.00	7,630.00	7,732.28	7,625.28	149.50	31.28	90.07	1,068.10	354.24	8,958.10	8,860.08	98.01	91.396	
17,900.00	7,630.00	7,731.03	7,624.03	151.10	31.28	90.05	1,068.08	354.20	9,050.16	8,952.14	98.02	92.328	
18,000.00	7,630.00	7,729.75	7,622.76	152.71	31.27	90.03	1,068.07	354.17	9,142.40	9,044.37	98.03	93.262	
18,100.00	7,630.00	7,728.46	7,621.46	154.32	31.27	90.01	1,068.06	354.14	9,234.79	9,136.75	98.04	94.197	
18,200.00	7,630.00	7,727.13	7,620.14	155.94	31.27	89.99	1,068.04	354.10	9,327.34	9,229.30	98.04	95.134	
18,300.00	7,630.00	7,725.79	7,618.79	157.56	31.26	89.96	1,068.03	354.07	9,420.05	9,322.00	98.05	96.073	
18,400.00	7,630.00	7,724.41	7,617.42	159.18	31.26	89.94	1,068.01	354.03	9,512.90	9,414.84	98.06	97.013	
18,500.00	7,630.00	18,500.00	7,576.57	160.80	66.62	89.28	1,067.47	352.92	9,605.89	9,471.28	134.61	71.363	
18,600.00	7,630.00	18,600.00	7,575.01	162.43	66.96	89.25	1,067.44	352.88	9,699.02	9,564.05	134.97	71.862	
18,700.00	7,630.00	18,700.00	7,573.46	164.06	67.29	89.23	1,067.42	352.83	9,792.28	9,656.95	135.33	72.359	
18,800.00	7,630.00	18,800.00	7,571.90	165.70	67.63	89.20	1,067.39	352.79	9,885.68	9,749.99	135.69	72.855	
18,900.00	7,630.00	18,900.00	7,570.34	167.33	67.96	89.17	1,067.37	352.75	9,979.20	9,843.15	136.05	73.349	



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 42-22 - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 138-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	0.00	0.00	0.00	0.00	-23.23	218.57	-93.80	238.02				
100.00	100.00	89.98	89.98	0.13	0.15	-23.21	218.78	-93.81	238.05	237.76	0.28	847.410	
200.00	200.00	189.39	189.38	0.49	0.41	-23.16	219.41	-93.88	238.65	237.75	0.90	264.765	
300.00	300.00	289.08	289.07	0.85	0.77	-23.14	220.12	-94.06	239.38	237.76	1.62	148.035	
400.00	400.00	392.96	392.95	1.21	1.13	-23.07	220.48	-93.90	239.65	237.31	2.34	102.514	
500.00	500.00	501.81	501.76	1.57	1.50	-22.85	218.25	-91.97	237.08	234.02	3.07	77.282	
600.00	600.00	611.05	610.73	1.93	1.88	-22.28	212.57	-87.10	230.57	226.76	3.80	60.597	
700.00	700.00	719.86	718.81	2.29	2.29	-21.10	203.47	-78.52	219.86	215.31	4.54	48.378	
800.00	799.98	827.00	824.53	2.64	2.72	-81.53	191.76	-65.76	205.21	199.93	5.28	38.871	
900.00	899.84	931.76	927.00	2.99	3.19	-80.32	177.35	-49.49	186.28	180.26	6.02	30.966	
1,000.00	999.45	1,030.45	1,022.97	3.35	3.66	-79.49	162.45	-31.95	164.89	158.13	6.76	24.384	
1,100.00	1,098.70	1,130.64	1,120.10	3.73	4.16	-79.57	146.31	-13.47	141.75	134.23	7.52	18.842	
1,200.00	1,197.47	1,225.29	1,211.96	4.11	4.65	-81.30	131.31	3.74	118.37	110.07	8.30	14.264	
1,300.00	1,295.62	1,321.77	1,305.95	4.53	5.14	-86.40	116.71	19.92	95.94	86.89	9.05	10.599	
1,400.00	1,393.06	1,418.39	1,400.21	4.97	5.63	-97.37	102.09	35.28	75.26	65.50	9.76	7.708	
1,500.00	1,489.64	1,515.16	1,494.46	5.44	6.13	-117.80	86.95	51.16	59.62	49.13	10.50	5.681	
1,565.24	1,552.14	1,577.77	1,555.26	5.77	6.46	-136.83	76.59	61.92	55.86	44.70	11.15	5.008 CC, ES	
1,600.00	1,585.27	1,610.71	1,587.20	5.95	6.64	-147.57	70.99	67.71	57.10	45.51	11.59	4.927 SF	
1,700.00	1,679.82	1,704.92	1,678.65	6.51	7.14	-172.66	55.50	84.20	73.32	60.48	12.84	5.710	
1,800.00	1,773.17	1,798.22	1,769.41	7.13	7.64	-173.23	40.84	100.14	101.82	87.93	13.89	7.328	
1,900.00	1,865.21	1,890.32	1,859.16	7.79	8.12	-165.90	26.74	115.26	137.03	122.18	14.85	9.227	
2,000.00	1,955.84	1,981.86	1,948.75	8.51	8.58	-162.39	13.93	128.94	176.59	160.82	15.76	11.202	
2,100.00	2,044.94	2,072.61	2,037.93	9.30	9.01	-160.85	2.76	141.55	219.01	202.36	16.65	13.154	
2,200.00	2,132.39	2,156.72	2,120.75	10.15	9.41	-160.22	-7.57	151.89	265.42	247.96	17.47	15.197	
2,300.00	2,218.11	2,241.29	2,203.88	11.07	9.81	-159.68	-19.25	162.19	315.74	297.44	18.31	17.247	
2,400.00	2,301.97	2,324.72	2,285.47	12.06	10.23	-158.97	-32.46	173.51	369.26	350.08	19.19	19.245	
2,500.00	2,383.88	2,410.18	2,368.75	13.11	10.68	-158.25	-46.89	186.19	425.41	405.29	20.13	21.136	
2,512.74	2,394.17	2,421.08	2,379.36	13.25	10.74	-158.18	-48.69	187.84	432.71	412.46	20.25	21.366	
2,600.00	2,464.54	2,497.79	2,454.14	14.22	11.14	-158.14	-61.02	199.72	482.43	461.33	21.10	22.863	
2,700.00	2,545.18	2,586.03	2,540.17	15.35	11.60	-158.12	-74.43	214.01	538.47	516.39	22.09	24.381	
2,800.00	2,625.82	2,675.67	2,627.49	16.50	12.08	-158.06	-87.62	229.42	593.66	570.56	23.10	25.703	
2,900.00	2,706.45	2,762.88	2,712.52	17.65	12.53	-158.06	-99.55	244.67	648.05	623.96	24.09	26.906	
3,000.00	2,787.09	2,840.74	2,788.46	18.82	12.94	-158.07	-110.16	258.23	702.47	677.49	24.98	28.119	
3,100.00	2,867.73	2,913.44	2,859.39	19.99	13.32	-158.08	-120.83	270.03	758.17	732.35	25.82	29.362	
3,200.00	2,948.37	2,995.19	2,939.14	21.17	13.75	-158.09	-133.28	283.04	814.40	787.63	26.77	30.426	
3,300.00	3,029.01	3,078.47	3,020.26	22.36	14.19	-158.05	-146.30	296.61	870.65	842.90	27.74	31.382	
3,400.00	3,109.65	3,154.87	3,094.69	23.55	14.59	-158.02	-158.42	308.94	927.13	898.48	28.64	32.367	
3,500.00	3,190.29	3,248.14	3,185.71	24.74	15.08	-158.05	-172.67	323.37	983.66	953.93	29.73	33.089	
3,600.00	3,270.93	3,331.48	3,267.18	25.94	15.51	-158.10	-184.43	336.47	1,039.33	1,008.64	30.69	33.863	
3,700.00	3,351.57	3,411.13	3,345.04	27.14	15.91	-158.15	-195.85	348.74	1,095.32	1,063.70	31.62	34.643	
3,800.00	3,432.21	3,492.85	3,424.87	28.35	16.33	-158.19	-207.84	361.42	1,151.45	1,118.88	32.57	35.352	
3,900.00	3,512.85	3,575.56	3,505.73	29.56	16.76	-158.23	-219.84	374.06	1,207.61	1,174.08	33.54	36.010	
4,000.00	3,593.49	3,658.79	3,587.11	30.76	17.18	-158.28	-231.84	386.71	1,263.77	1,229.27	34.50	36.627	
4,100.00	3,674.13	3,745.04	3,671.65	31.97	17.61	-158.37	-243.51	399.23	1,319.79	1,284.30	35.49	37.187	
4,200.00	3,754.77	3,832.20	3,757.05	33.19	18.05	-158.45	-255.20	412.14	1,375.57	1,339.08	36.49	37.698	
4,300.00	3,835.41	3,921.12	3,843.85	34.40	18.51	-158.46	-267.93	426.59	1,431.06	1,393.52	37.54	38.119	
4,400.00	3,916.05	4,015.15	3,935.69	35.62	19.00	-158.47	-280.86	442.09	1,486.08	1,447.44	38.65	38.454	
4,500.00	3,996.69	4,103.21	4,021.90	36.83	19.44	-158.53	-291.97	456.23	1,540.66	1,500.99	39.67	38.840	
4,600.00	4,077.33	4,165.30	4,082.50	38.05	19.77	-158.53	-300.56	466.64	1,595.60	1,555.18	40.43	39.470	
4,700.00	4,157.96	4,226.26	4,141.72	39.27	20.10	-158.47	-310.60	477.05	1,651.87	1,610.69	41.18	40.112	
4,800.00	4,238.60	4,305.27	4,218.60	40.49	20.52	-158.43	-323.59	489.81	1,708.68	1,666.53	42.15	40.536	
4,900.00	4,319.24	4,363.43	4,275.49	41.71	20.81	-158.45	-332.55	497.93	1,766.13	1,723.30	42.83	41.235	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 42-22 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 138-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	4,399.88	4,442.61	4,353.39	42.93	21.19	158.57	-343.71	506.66	1,824.48	1,780.76	43.71	41.739		
5,100.00	4,480.52	4,532.95	4,442.71	44.15	21.58	158.81	-354.12	515.23	1,882.20	1,837.54	44.66	42.146		
5,200.00	4,561.16	4,611.35	4,520.51	45.37	21.90	159.07	-361.74	521.10	1,940.06	1,894.62	45.44	42.697		
5,300.00	4,641.80	4,698.48	4,607.16	46.59	22.23	159.40	-369.06	526.64	1,997.84	1,951.57	46.27	43.178		
5,400.00	4,722.44	4,783.81	4,692.15	47.82	22.54	159.76	-375.02	531.20	2,055.43	2,008.37	47.05	43.682		
5,500.00	4,803.08	4,863.06	4,771.24	49.04	22.81	160.13	-379.31	534.24	2,113.04	2,065.29	47.75	44.252		
5,600.00	4,883.72	4,930.21	4,838.28	50.27	23.03	160.45	-382.43	535.99	2,171.00	2,122.69	48.32	44.930		
5,700.00	4,964.36	4,992.41	4,900.40	51.49	23.23	160.75	-385.46	537.15	2,229.59	2,180.75	48.84	45.650		
5,800.00	5,045.00	5,052.00	4,959.91	52.71	23.41	161.04	-388.50	537.64	2,288.97	2,239.63	49.33	46.399		
5,900.00	5,125.64	5,112.36	5,020.18	53.94	23.60	161.31	-391.92	537.75	2,349.08	2,299.25	49.83	47.144		
6,000.00	5,206.28	5,277.37	5,185.01	55.17	24.09	162.07	-398.48	538.49	2,408.26	2,357.09	51.17	47.065		
6,100.00	5,286.92	5,354.89	5,262.54	56.39	24.30	162.46	-399.13	538.48	2,466.00	2,414.24	51.76	47.643		
6,200.00	5,367.56	5,435.00	5,342.64	57.62	24.50	162.87	-399.29	537.94	2,523.87	2,471.52	52.35	48.210		
6,300.00	5,448.20	5,508.54	5,416.18	58.84	24.68	163.23	-399.38	537.25	2,581.94	2,529.05	52.89	48.817		
6,400.00	5,528.84	5,587.77	5,495.40	60.07	24.88	163.60	-399.52	536.40	2,640.21	2,586.74	53.47	49.376		
6,500.00	5,609.47	5,669.23	5,576.85	61.30	25.08	163.97	-399.55	535.44	2,698.54	2,644.46	54.07	49.907		
6,600.00	5,690.11	5,752.78	5,660.40	62.53	25.29	164.33	-399.60	534.58	2,756.86	2,702.17	54.69	50.409		
6,700.00	5,770.75	5,836.26	5,743.88	63.75	25.50	164.68	-399.60	533.83	2,815.14	2,759.82	55.31	50.895		
6,800.00	5,851.39	5,918.12	5,825.74	64.98	25.71	165.01	-399.53	533.11	2,873.41	2,817.49	55.93	51.379		
6,900.00	5,932.03	5,999.07	5,906.69	66.21	25.91	165.32	-399.31	532.34	2,931.70	2,875.17	56.53	51.857		
7,000.00	6,012.67	6,073.86	5,981.47	67.44	26.11	165.60	-399.09	531.52	2,990.12	2,933.02	57.10	52.367		
7,100.00	6,093.31	6,154.50	6,062.11	68.66	26.31	165.89	-398.83	530.52	3,048.67	2,990.96	57.71	52.829		
7,200.00	6,173.95	6,239.54	6,147.14	69.89	26.53	166.20	-398.39	529.43	3,107.20	3,048.85	58.35	53.251		
7,300.00	6,254.59	6,327.19	6,234.78	71.12	26.76	166.50	-397.81	528.43	3,165.62	3,106.60	59.01	53.642		
7,400.00	6,335.23	6,407.19	6,314.78	72.35	26.97	166.76	-397.30	527.71	3,223.94	3,164.31	59.63	54.068		
7,500.00	6,415.87	6,483.66	6,391.24	73.58	27.17	167.00	-396.86	526.93	3,282.42	3,222.20	60.22	54.508		
7,600.00	6,496.51	6,566.70	6,474.27	74.81	27.39	167.25	-396.47	526.11	3,340.96	3,280.10	60.86	54.894		
7,700.00	6,577.15	6,660.03	6,567.60	76.04	27.64	167.51	-396.09	525.62	3,399.29	3,337.70	61.59	55.194		
7,800.00	6,657.79	6,737.43	6,645.00	77.27	27.85	167.72	-395.87	525.39	3,457.57	3,395.37	62.20	55.586		
7,900.00	6,738.43	6,818.58	6,726.15	78.50	28.08	167.93	-395.85	525.26	3,515.92	3,453.06	62.86	55.935		
8,000.00	6,819.07	6,898.14	6,805.71	79.73	28.32	168.12	-396.16	525.40	3,574.29	3,510.78	63.52	56.273		
8,100.00	6,899.71	6,980.28	6,887.84	80.96	28.58	168.29	-396.89	525.85	3,632.70	3,568.49	64.21	56.576		
8,200.00	6,980.35	7,060.39	6,967.94	82.18	28.83	168.46	-397.73	526.43	3,691.10	3,626.21	64.89	56.882		
8,240.58	7,013.07	7,091.79	6,999.35	82.68	28.93	168.52	-398.14	526.70	3,714.81	3,649.65	65.16	57.011		
8,250.00	7,020.68	7,099.10	7,006.65	82.80	28.95	166.80	-398.24	526.77	3,720.29	3,655.06	65.22	57.040		
8,300.00	7,061.63	7,135.93	7,043.47	83.40	29.07	157.48	-398.79	527.10	3,748.09	3,682.55	65.53	57.193		
8,350.00	7,103.23	7,172.25	7,079.79	83.97	29.18	147.99	-399.37	527.41	3,773.69	3,707.85	65.83	57.321		
8,400.00	7,145.18	7,209.93	7,117.47	84.51	29.30	138.53	-400.03	527.69	3,796.93	3,730.79	66.14	57.411		
8,450.00	7,187.16	7,254.50	7,162.02	85.01	29.44	129.43	-400.81	528.02	3,817.61	3,751.13	66.48	57.421		
8,500.00	7,228.84	7,298.86	7,206.37	85.46	29.59	120.95	-401.59	528.38	3,835.60	3,768.78	66.82	57.402		
8,550.00	7,269.91	7,342.28	7,249.79	85.86	29.72	113.31	-402.33	528.76	3,850.79	3,783.66	67.14	57.358		
8,600.00	7,310.05	7,384.84	7,292.34	86.20	29.86	106.64	-403.05	529.14	3,863.15	3,795.72	67.43	57.291		
8,650.00	7,348.97	7,429.45	7,336.94	86.50	30.00	101.01	-403.77	529.57	3,872.62	3,804.89	67.73	57.179		
8,700.00	7,386.36	7,472.93	7,380.41	86.74	30.14	96.36	-404.41	530.02	3,879.17	3,811.17	68.00	57.044		
8,750.00	7,421.94	7,531.04	7,438.52	86.93	30.33	92.79	-405.12	530.74	3,882.77	3,814.38	68.38	56.779		
8,800.00	7,455.44	7,591.46	7,498.92	87.07	30.53	90.10	-405.55	531.77	3,883.32	3,814.54	68.77	56.466		
8,850.00	7,486.61	7,600.63	7,508.10	87.16	30.55	87.59	-405.61	531.87	3,881.16	3,812.43	68.73	56.466		
8,900.00	7,515.20	7,617.32	7,524.78	87.20	30.60	85.83	-405.71	532.06	3,876.42	3,807.67	68.75	56.385		
8,950.00	7,541.00	7,632.34	7,539.80	87.21	30.65	84.63	-405.80	532.18	3,869.18	3,800.43	68.75	56.283		
9,000.00	7,563.81	7,645.60	7,553.06	87.17	30.69	83.96	-405.89	532.25	3,859.49	3,790.77	68.73	56.158		
9,050.00	7,583.47	7,657.01	7,564.48	87.10	30.73	83.78	-405.96	532.27	3,847.47	3,778.78	68.69	56.010		
9,100.00	7,599.81	7,672.00	7,579.46	87.00	30.78	84.13	-406.06	532.26	3,833.20	3,764.50	68.70	55.799		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 42-22 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 138-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)						
9,150.00	7,612.72	7,672.00	7,579.46	86.88	30.78	84.71	-406.06	532.26	3,816.78	3,748.20	68.58	55.652		
9,200.00	7,622.09	7,681.37	7,588.83	86.72	30.80	85.89	-406.12	532.23	3,798.35	3,729.78	68.56	55.398		
9,250.00	7,627.87	7,685.67	7,593.13	86.55	30.82	87.44	-406.15	532.21	3,778.02	3,709.50	68.52	55.135		
9,303.98	7,630.00	7,687.43	7,594.90	86.35	30.82	89.55	-406.16	532.20	3,754.11	3,685.63	68.48	54.821		
9,400.00	7,630.00	7,687.90	7,595.36	85.99	30.82	89.56	-406.16	532.20	3,710.84	3,642.42	68.42	54.232		
9,500.00	7,630.00	7,688.38	7,595.85	85.62	30.82	89.57	-406.17	532.20	3,667.91	3,599.50	68.41	53.616		
9,600.00	7,630.00	7,688.87	7,596.34	85.28	30.83	89.58	-406.17	532.20	3,627.23	3,558.79	68.45	52.993		
9,700.00	7,630.00	7,689.36	7,596.82	84.95	30.83	89.58	-406.17	532.20	3,588.88	3,520.35	68.53	52.367		
9,800.00	7,630.00	7,689.85	7,597.32	84.64	30.83	89.59	-406.18	532.19	3,552.93	3,484.25	68.67	51.736		
9,900.00	7,630.00	7,690.34	7,597.81	84.34	30.83	89.60	-406.18	532.19	3,519.45	3,450.58	68.87	51.102		
10,000.00	7,630.00	7,690.84	7,598.30	84.06	30.83	89.61	-406.18	532.19	3,488.52	3,419.39	69.12	50.468		
10,100.00	7,630.00	7,691.33	7,598.80	83.80	30.83	89.62	-406.19	532.19	3,460.20	3,390.77	69.43	49.835		
10,200.00	7,630.00	7,691.83	7,599.29	83.56	30.83	89.63	-406.19	532.18	3,434.56	3,364.76	69.80	49.206		
10,300.00	7,630.00	7,692.33	7,599.79	83.33	30.84	89.64	-406.19	532.18	3,411.66	3,341.44	70.22	48.585		
10,400.00	7,630.00	7,692.83	7,600.29	83.12	30.84	89.64	-406.20	532.18	3,391.56	3,320.87	70.69	47.975		
10,500.00	7,630.00	7,693.33	7,600.79	82.92	30.84	89.65	-406.20	532.18	3,374.30	3,303.08	71.22	47.380		
10,600.00	7,630.00	7,693.83	7,601.30	82.75	30.84	89.66	-406.20	532.17	3,359.93	3,288.14	71.79	46.803		
10,700.00	7,630.00	7,694.34	7,601.80	82.59	30.84	89.67	-406.21	532.17	3,348.49	3,276.08	72.40	46.248		
10,800.00	7,630.00	7,694.84	7,602.31	82.45	30.84	89.68	-406.21	532.17	3,340.00	3,266.94	73.06	45.718		
10,900.00	7,630.00	7,695.35	7,602.82	82.33	30.84	89.69	-406.21	532.17	3,334.49	3,260.75	73.74	45.218		
11,000.00	7,630.00	7,695.86	7,603.32	82.22	30.85	89.70	-406.22	532.16	3,331.97	3,257.52	74.46	44.750		
11,033.88	7,630.00	7,696.03	7,603.50	82.19	30.85	89.70	-406.22	532.16	3,331.80	3,257.09	74.71	44.595		
11,100.00	7,630.00	7,696.37	7,603.84	82.14	30.85	89.70	-406.22	532.16	3,332.46	3,257.26	75.20	44.317		
11,200.00	7,630.00	7,696.89	7,604.35	82.08	30.85	89.71	-406.22	532.16	3,335.94	3,259.99	75.95	43.921		
11,300.00	7,630.00	7,697.40	7,604.86	82.04	30.85	89.72	-406.23	532.16	3,342.41	3,265.69	76.72	43.564		
11,400.00	7,630.00	7,697.92	7,605.38	82.02	30.85	89.73	-406.23	532.15	3,351.86	3,274.35	77.50	43.248		
11,500.00	7,630.00	7,698.43	7,605.90	82.03	30.85	89.74	-406.23	532.15	3,364.25	3,285.96	78.28	42.974		
11,600.00	7,630.00	7,698.95	7,606.42	82.06	30.86	89.75	-406.24	532.15	3,379.55	3,300.49	79.07	42.743		
11,700.00	7,630.00	7,699.48	7,606.94	82.12	30.86	89.76	-406.24	532.14	3,397.73	3,317.89	79.84	42.556		
11,800.00	7,630.00	7,700.00	7,607.46	82.21	30.86	89.77	-406.25	532.14	3,418.74	3,338.13	80.61	42.411		
11,900.00	7,630.00	7,700.52	7,607.99	82.33	30.86	89.78	-406.25	532.14	3,442.53	3,361.17	81.37	42.310		
12,000.00	7,630.00	7,701.05	7,608.51	82.48	30.86	89.79	-406.25	532.13	3,469.04	3,386.94	82.11	42.251		
12,100.00	7,630.00	7,701.58	7,609.04	82.66	30.86	89.79	-406.26	532.13	3,498.21	3,415.38	82.83	42.234		
12,200.00	7,630.00	7,702.11	7,609.57	82.88	30.86	89.80	-406.26	532.13	3,529.97	3,446.44	83.53	42.259		
12,300.00	7,630.00	7,702.64	7,610.10	83.14	30.87	89.81	-406.26	532.13	3,564.25	3,480.04	84.21	42.324		
12,400.00	7,630.00	7,703.17	7,610.63	83.44	30.87	89.82	-406.27	532.12	3,600.99	3,516.12	84.87	42.429		
12,500.00	7,630.00	7,703.71	7,611.17	83.79	30.87	89.83	-406.27	532.12	3,640.10	3,554.59	85.51	42.571		
12,600.00	7,630.00	7,704.24	7,611.71	84.18	30.87	89.84	-406.28	532.12	3,681.51	3,595.40	86.12	42.750		
12,700.00	7,630.00	7,704.78	7,612.24	84.61	30.87	89.85	-406.28	532.11	3,725.15	3,638.45	86.70	42.965		
12,800.00	7,630.00	7,705.32	7,612.78	85.10	30.87	89.86	-406.28	532.11	3,770.94	3,683.67	87.26	43.214		
12,900.00	7,630.00	7,705.86	7,613.33	85.64	30.88	89.87	-406.29	532.11	3,818.79	3,730.99	87.80	43.495		
13,000.00	7,630.00	7,706.41	7,613.87	86.22	30.88	89.88	-406.29	532.10	3,868.64	3,780.33	88.31	43.809		
13,100.00	7,630.00	7,706.95	7,614.42	86.86	30.88	89.89	-406.30	532.10	3,920.41	3,831.61	88.79	44.152		
13,200.00	7,630.00	7,707.50	7,614.96	87.56	30.88	89.90	-406.30	532.09	3,974.02	3,884.76	89.25	44.525		
13,300.00	7,630.00	7,708.05	7,615.51	88.30	30.88	89.91	-406.30	532.09	4,029.39	3,939.70	89.69	44.925		
13,400.00	7,630.00	7,708.60	7,616.06	89.10	30.88	89.92	-406.31	532.09	4,086.47	3,996.36	90.11	45.351		
13,500.00	7,630.00	7,709.15	7,616.62	89.94	30.89	89.92	-406.31	532.08	4,145.17	4,054.67	90.50	45.803		
13,600.00	7,630.00	7,709.71	7,617.17	90.84	30.89	89.93	-406.32	532.08	4,205.43	4,114.56	90.87	46.279		
13,700.00	7,630.00	7,710.27	7,617.73	91.78	30.89	89.94	-406.32	532.08	4,267.18	4,175.96	91.22	46.778		
13,800.00	7,630.00	7,710.82	7,618.29	92.77	30.89	89.95	-406.32	532.07	4,330.36	4,238.81	91.55	47.298		
13,900.00	7,630.00	7,711.38	7,618.85	93.79	30.89	89.96	-406.33	532.07	4,394.91	4,303.04	91.87	47.840		
14,000.00	7,630.00	7,711.95	7,619.41	94.86	30.89	89.97	-406.33	532.06	4,460.77	4,368.60	92.16	48.401		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 42-22 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 138-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,100.00	7,630.00	7,712.51	7,619.97	95.97	30.90	89.98	-406.34	532.06	4,527.87	4,435.43	92.44	48.981		
14,200.00	7,630.00	7,713.08	7,620.54	97.11	30.90	89.99	-406.34	532.06	4,596.18	4,503.47	92.70	49.579		
14,300.00	7,630.00	7,713.65	7,621.11	98.28	30.90	90.00	-406.35	532.05	4,665.62	4,572.67	92.95	50.194		
14,400.00	7,630.00	7,714.22	7,621.68	99.48	30.90	90.01	-406.35	532.05	4,736.16	4,642.98	93.18	50.826		
14,500.00	7,630.00	7,714.79	7,622.25	100.72	30.90	90.02	-406.35	532.04	4,807.75	4,714.34	93.40	51.473		
14,600.00	7,630.00	7,715.36	7,622.82	101.97	30.90	90.03	-406.36	532.04	4,880.33	4,786.72	93.61	52.135		
14,700.00	7,630.00	7,715.94	7,623.40	103.26	30.91	90.04	-406.36	532.04	4,953.87	4,860.07	93.80	52.811		
14,800.00	7,630.00	7,716.51	7,623.98	104.56	30.91	90.05	-406.37	532.03	5,028.32	4,934.33	93.99	53.500		
14,900.00	7,630.00	7,717.09	7,624.56	105.89	30.91	90.06	-406.37	532.03	5,103.65	5,009.49	94.16	54.202		
15,000.00	7,630.00	7,717.68	7,625.14	107.24	30.91	90.07	-406.38	532.02	5,179.81	5,085.49	94.32	54.916		
15,100.00	7,630.00	7,718.26	7,625.72	108.60	30.91	90.08	-406.38	532.02	5,256.77	5,162.29	94.48	55.641		
15,200.00	7,630.00	7,718.85	7,626.31	109.98	30.91	90.09	-406.38	532.01	5,334.49	5,239.87	94.62	56.378		
15,300.00	7,630.00	7,719.43	7,626.89	111.38	30.92	90.10	-406.39	532.01	5,412.95	5,318.19	94.76	57.125		
15,400.00	7,630.00	7,720.02	7,627.48	112.79	30.92	90.11	-406.39	532.00	5,492.10	5,397.22	94.88	57.882		
15,500.00	7,630.00	7,720.61	7,628.08	114.22	30.92	90.12	-406.40	532.00	5,571.93	5,476.92	95.01	58.648		
15,600.00	7,630.00	7,721.21	7,628.67	115.66	30.92	90.13	-406.40	531.99	5,652.39	5,557.27	95.12	59.424		
15,700.00	7,630.00	7,721.80	7,629.27	117.11	30.92	90.14	-406.41	531.99	5,733.48	5,638.25	95.23	60.208		
15,800.00	7,630.00	7,722.40	7,629.86	118.57	30.93	90.15	-406.41	531.98	5,815.15	5,719.82	95.33	61.001		
15,900.00	7,630.00	7,723.00	7,630.46	120.05	30.93	90.16	-406.42	531.98	5,897.38	5,801.96	95.43	61.801		
16,000.00	7,630.00	7,723.60	7,631.07	121.53	30.93	90.17	-406.42	531.97	5,980.16	5,884.64	95.52	62.608		
16,100.00	7,630.00	7,724.21	7,631.67	123.03	30.93	90.18	-406.42	531.97	6,063.45	5,967.85	95.60	63.423		
16,200.00	7,630.00	7,724.81	7,632.28	124.53	30.93	90.19	-406.43	531.96	6,147.25	6,051.56	95.68	64.245		
16,300.00	7,630.00	7,725.42	7,632.88	126.04	30.93	90.20	-406.43	531.96	6,231.52	6,135.76	95.76	65.073		
16,400.00	7,630.00	7,726.03	7,633.49	127.56	30.94	90.21	-406.44	531.95	6,316.25	6,220.41	95.84	65.907		
16,500.00	7,630.00	7,726.65	7,634.11	129.09	30.94	90.23	-406.44	531.95	6,401.42	6,305.52	95.91	66.747		
16,600.00	7,630.00	7,727.26	7,634.72	130.62	30.94	90.24	-406.45	531.94	6,487.02	6,391.04	95.97	67.593		
16,700.00	7,630.00	7,727.88	7,635.34	132.16	30.94	90.25	-406.45	531.94	6,573.02	6,476.98	96.04	68.443		
16,800.00	7,630.00	7,728.50	7,635.96	133.71	30.94	90.26	-406.46	531.93	6,659.41	6,563.31	96.10	69.300		
16,900.00	7,630.00	7,729.12	7,636.58	135.27	30.95	90.27	-406.46	531.93	6,746.18	6,650.02	96.15	70.160		
17,000.00	7,630.00	7,729.74	7,637.20	136.83	30.95	90.28	-406.47	531.92	6,833.31	6,737.10	96.21	71.026		
17,100.00	7,630.00	7,730.37	7,637.83	138.39	30.95	90.29	-406.47	531.91	6,920.78	6,824.52	96.26	71.896		
17,200.00	7,630.00	7,731.00	7,638.46	139.97	30.95	90.30	-406.48	531.91	7,008.60	6,912.29	96.31	72.770		
17,300.00	7,630.00	7,731.63	7,639.09	141.54	30.95	90.31	-406.48	531.90	7,096.73	7,000.37	96.36	73.648		
17,400.00	7,630.00	7,732.26	7,639.72	143.12	30.95	90.32	-406.49	531.90	7,185.18	7,088.77	96.41	74.530		
17,500.00	7,630.00	7,732.89	7,640.35	144.71	30.96	90.33	-406.49	531.89	7,273.92	7,177.47	96.45	75.415		
17,600.00	7,630.00	7,733.53	7,640.99	146.30	30.96	90.34	-406.50	531.89	7,362.96	7,266.46	96.49	76.304		
17,700.00	7,630.00	7,734.17	7,641.63	147.90	30.96	90.35	-406.50	531.88	7,452.27	7,355.73	96.54	77.197		
17,800.00	7,630.00	7,734.81	7,642.27	149.50	30.96	90.37	-406.51	531.87	7,541.85	7,445.27	96.58	78.092		
17,900.00	7,630.00	7,735.45	7,642.91	151.10	30.96	90.38	-406.51	531.87	7,631.68	7,535.07	96.62	78.990		
18,000.00	7,630.00	7,736.10	7,643.56	152.71	30.97	90.39	-406.52	531.86	7,721.77	7,625.12	96.65	79.892		
18,100.00	7,630.00	7,736.75	7,644.21	154.32	30.97	90.40	-406.52	531.85	7,812.10	7,715.41	96.69	80.795		
18,200.00	7,630.00	7,737.40	7,644.86	155.94	30.97	90.41	-406.53	531.85	7,902.66	7,805.94	96.73	81.702		
18,300.00	7,630.00	7,738.05	7,645.51	157.56	30.97	90.42	-406.53	531.84	7,993.45	7,896.69	96.76	82.611		
18,400.00	7,630.00	7,738.71	7,646.17	159.18	30.97	90.43	-406.54	531.83	8,084.46	7,987.66	96.79	83.522		
18,500.00	7,630.00	7,739.37	7,646.83	160.80	30.98	90.44	-406.54	531.83	8,175.67	8,078.84	96.83	84.435		
18,600.00	7,630.00	7,740.03	7,647.49	162.43	30.98	90.46	-406.55	531.82	8,267.09	8,170.23	96.86	85.350		
18,700.00	7,630.00	7,740.69	7,648.15	164.06	30.98	90.47	-406.55	531.81	8,358.70	8,261.81	96.89	86.268		
18,800.00	7,630.00	7,741.36	7,648.82	165.70	30.98	90.48	-406.56	531.81	8,450.51	8,353.58	96.92	87.187		
18,900.00	7,630.00	7,742.02	7,649.48	167.33	30.98	90.49	-406.56	531.80	8,542.49	8,445.54	96.96	88.108		
19,000.00	7,630.00	7,742.69	7,650.15	168.97	30.99	90.50	-406.57	531.79	8,634.66	8,537.68	96.99	89.030		
19,021.79	7,630.00	7,742.84	7,650.30	169.33	30.99	90.50	-406.57	531.79	8,654.77	8,557.77	96.99	89.231		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 6-0-22 - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 138-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	0.00	0.00	0.00	0.00	-31.85	218.57	-135.80	257.48				
100.00	100.00	91.67	91.67	0.13	0.15	-31.97	218.20	-136.18	257.21	256.92	0.28	905.258	
160.30	160.30	152.40	152.39	0.35	0.25	-32.17	217.54	-136.84	257.00	256.40	0.60	428.808 CC	
200.00	200.00	188.80	188.79	0.49	0.40	-32.22	217.57	-137.13	257.19	256.29	0.90	287.092 ES	
300.00	300.00	280.29	280.24	0.85	0.73	-32.00	219.87	-137.38	259.48	257.90	1.58	164.121	
400.00	400.00	371.36	371.08	1.21	1.06	-31.30	226.18	-137.52	265.45	263.18	2.27	117.136	
500.00	500.00	462.94	462.15	1.57	1.40	-30.20	235.86	-137.29	274.43	271.47	2.96	92.798	
600.00	600.00	552.83	551.18	1.93	1.75	-29.01	248.18	-137.64	286.57	282.93	3.65	78.613	
700.00	700.00	640.95	637.95	2.29	2.13	-27.67	263.56	-138.19	302.28	297.96	4.33	69.860	
800.00	799.98	728.03	723.06	2.64	2.53	-87.95	281.91	-139.19	321.60	316.60	5.00	64.329	
900.00	899.84	813.53	805.92	2.99	2.96	-86.85	302.96	-140.49	344.25	338.59	5.66	60.784	
1,000.00	999.45	900.28	889.09	3.35	3.42	-86.05	327.54	-141.98	370.17	363.83	6.35	58.334	
1,100.00	1,098.70	995.98	980.51	3.73	3.96	-85.73	355.78	-144.00	397.13	390.04	7.09	56.006	
1,200.00	1,197.47	1,090.97	1,071.31	4.11	4.50	-85.86	383.59	-145.90	423.62	415.74	7.88	53.783	
1,300.00	1,295.62	1,181.46	1,157.42	4.53	5.04	-86.23	411.35	-147.80	451.24	442.58	8.66	52.104	
1,400.00	1,393.06	1,278.19	1,249.43	4.97	5.61	-87.01	441.10	-150.06	479.02	469.49	9.53	50.262	
1,500.00	1,489.64	1,371.81	1,338.50	5.44	6.18	-87.98	469.87	-152.14	506.85	496.42	10.43	48.609	
1,600.00	1,585.27	1,461.71	1,423.75	5.95	6.73	-89.01	498.32	-153.96	535.66	524.30	11.35	47.185	
1,700.00	1,679.82	1,551.18	1,508.28	6.51	7.30	-90.12	527.64	-155.46	565.67	553.33	12.34	45.854	
1,800.00	1,773.17	1,640.37	1,592.30	7.13	7.87	-91.33	557.48	-157.23	597.00	583.62	13.38	44.606	
1,900.00	1,865.21	1,731.90	1,678.51	7.79	8.46	-92.74	588.13	-159.55	629.43	614.92	14.52	43.356	
2,000.00	1,955.84	1,824.00	1,765.44	8.51	9.05	-94.32	618.45	-162.48	662.82	647.10	15.72	42.158	
2,100.00	2,044.94	1,916.13	1,852.59	9.30	9.63	-96.03	648.11	-165.98	697.32	680.33	16.99	41.043	
2,200.00	2,132.39	2,010.60	1,942.37	10.15	10.22	-97.93	677.20	-170.03	732.70	714.36	18.33	39.962	
2,300.00	2,218.11	2,098.72	2,026.40	11.07	10.75	-99.75	703.39	-174.39	769.62	749.95	19.67	39.122	
2,400.00	2,301.97	2,195.22	2,118.65	12.06	11.33	-101.81	731.39	-178.70	807.88	786.74	21.13	38.226	
2,500.00	2,383.88	2,290.10	2,209.59	13.11	11.88	-103.79	758.25	-181.85	847.21	824.58	22.62	37.446	
2,512.74	2,394.17	2,301.66	2,220.69	13.25	11.95	-104.03	761.47	-182.18	852.32	829.50	22.81	37.362	
2,600.00	2,464.54	2,381.77	2,297.68	14.22	12.41	-106.33	783.50	-184.29	887.73	863.63	24.10	36.836	
2,700.00	2,545.18	2,476.07	2,388.54	15.35	12.95	-108.84	808.65	-186.08	928.72	903.14	25.58	36.310	
2,800.00	2,625.82	2,559.72	2,469.21	16.50	13.42	-110.90	830.77	-187.40	970.65	943.71	26.94	36.033	
2,900.00	2,706.45	2,645.65	2,552.08	17.65	13.90	-112.86	853.47	-188.70	1,013.65	985.35	28.30	35.820	
3,000.00	2,787.09	2,731.32	2,634.78	18.82	14.38	-114.69	875.78	-190.05	1,057.52	1,027.88	29.63	35.689	
3,100.00	2,867.73	2,838.21	2,738.04	19.99	14.97	-116.77	903.41	-190.65	1,101.43	1,070.28	31.15	35.362	
3,200.00	2,948.37	2,919.67	2,816.68	21.17	15.42	-118.20	924.62	-190.22	1,145.33	1,112.91	32.42	35.333 SF	
3,300.00	3,029.01	2,998.15	2,892.49	22.36	15.85	-119.51	944.93	-190.21	1,190.23	1,156.60	33.63	35.391	
3,400.00	3,109.65	3,081.42	2,972.89	23.55	16.32	-120.81	966.60	-190.55	1,236.10	1,201.22	34.88	35.439	
3,500.00	3,190.29	3,158.83	3,047.26	24.74	16.77	-121.88	988.07	-190.44	1,282.63	1,246.55	36.08	35.554	
3,600.00	3,270.93	3,242.94	3,127.62	25.94	17.26	-122.89	1,012.89	-190.45	1,330.24	1,292.89	37.35	35.616	
3,700.00	3,351.57	3,339.06	3,219.46	27.14	17.84	-123.96	1,041.24	-189.51	1,377.36	1,338.60	38.75	35.541	
3,800.00	3,432.21	3,424.95	3,301.51	28.35	18.35	-124.85	1,066.64	-188.73	1,424.88	1,384.84	40.04	35.585	
3,900.00	3,512.85	3,527.72	3,399.46	29.56	18.97	-125.80	1,097.64	-186.59	1,471.84	1,430.32	41.52	35.450	
4,000.00	3,593.49	3,603.94	3,472.28	30.76	19.43	-126.48	1,120.09	-184.83	1,518.70	1,476.01	42.69	35.575	
4,100.00	3,674.13	3,655.06	3,521.13	31.97	19.74	-126.93	1,135.17	-184.61	1,567.29	1,523.74	43.56	35.983	
4,200.00	3,754.77	3,729.53	3,592.32	33.19	20.18	-127.58	1,157.00	-185.74	1,617.60	1,572.93	44.66	36.217	
4,300.00	3,835.41	3,818.43	3,677.80	34.40	20.69	-128.37	1,181.33	-187.37	1,667.93	1,622.02	45.91	36.332	
4,400.00	3,916.05	3,910.10	3,766.09	35.62	21.21	-129.17	1,205.94	-188.99	1,718.32	1,671.15	47.17	36.429	
4,500.00	3,996.69	4,002.17	3,854.60	36.83	21.74	-129.89	1,231.30	-189.85	1,768.36	1,719.92	48.44	36.506	
4,600.00	4,077.33	4,099.01	3,947.76	38.05	22.29	-130.60	1,257.72	-190.56	1,818.38	1,768.63	49.76	36.544	
4,700.00	4,157.96	4,197.24	4,042.48	39.27	22.85	-131.31	1,283.76	-190.41	1,867.64	1,816.56	51.08	36.563	
4,800.00	4,238.60	4,285.20	4,126.92	40.49	23.36	-131.86	1,308.34	-189.79	1,916.90	1,864.59	52.30	36.649	
4,900.00	4,319.24	4,365.15	4,203.66	41.71	23.82	-132.33	1,330.78	-189.11	1,966.19	1,912.75	53.44	36.793	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 6-0-22 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 138-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	4,399.88	4,428.00	4,264.01	42.93	24.18	-132.70	1,348.34	-189.08	2,016.26	1,961.90	54.37	37.086		
5,100.00	4,480.52	4,491.62	4,325.15	44.15	24.55	-133.06	1,365.89	-189.80	2,067.36	2,012.08	55.29	37.394		
5,200.00	4,561.16	4,596.17	4,425.71	45.37	25.15	-133.65	1,394.44	-191.66	2,119.13	2,062.45	56.68	37.388		
5,300.00	4,641.80	4,719.80	4,544.15	46.59	25.88	-134.23	1,429.88	-191.18	2,169.29	2,110.97	58.33	37.193		
5,400.00	4,722.44	4,794.32	4,615.34	47.82	26.33	-134.55	1,451.90	-190.40	2,219.15	2,159.74	59.41	37.353		
5,500.00	4,803.08	4,885.02	4,702.21	49.04	26.86	-134.93	1,477.94	-189.67	2,269.14	2,208.47	60.67	37.403		
5,600.00	4,883.72	4,962.10	4,776.47	50.27	27.29	-135.29	1,498.63	-189.30	2,319.21	2,257.48	61.73	37.572		
5,700.00	4,964.36	5,033.29	4,845.25	51.49	27.69	-135.64	1,516.96	-189.46	2,369.78	2,307.08	62.70	37.797		
5,800.00	5,045.00	5,103.23	4,913.01	52.71	28.07	-135.99	1,534.27	-190.19	2,421.00	2,357.37	63.63	38.046		
5,900.00	5,125.64	5,176.16	4,983.75	53.94	28.46	-136.35	1,551.97	-191.38	2,472.75	2,408.16	64.59	38.286		
6,000.00	5,206.28	5,263.64	5,068.96	55.17	28.90	-136.81	1,571.68	-193.18	2,524.73	2,459.07	65.66	38.449		
6,100.00	5,286.92	5,365.34	5,168.77	56.39	29.38	-137.41	1,591.03	-195.36	2,576.50	2,509.68	66.81	38.563		
6,200.00	5,367.56	5,462.67	5,264.90	57.62	29.79	-138.05	1,606.08	-197.27	2,627.88	2,560.05	67.83	38.742		
6,300.00	5,448.20	5,549.41	5,350.97	58.84	30.12	-138.66	1,616.67	-199.02	2,679.18	2,610.50	68.68	39.011		
6,400.00	5,528.84	5,633.86	5,435.00	60.07	30.41	-139.28	1,624.95	-200.84	2,730.59	2,661.14	69.46	39.314		
6,500.00	5,609.47	5,709.25	5,510.13	61.30	30.65	-139.86	1,630.82	-202.66	2,782.29	2,712.17	70.12	39.679		
6,600.00	5,690.11	5,814.60	5,615.32	62.53	30.95	-140.70	1,635.94	-205.33	2,834.20	2,763.27	70.93	39.960		
6,700.00	5,770.75	5,951.80	5,752.47	63.75	31.31	-141.81	1,639.39	-206.62	2,884.82	2,812.98	71.85	40.153		
6,800.00	5,851.39	6,026.65	5,827.31	64.98	31.49	-142.40	1,640.80	-206.83	2,935.28	2,862.88	72.40	40.542		
6,900.00	5,932.03	6,091.71	5,892.36	66.21	31.65	-142.91	1,641.43	-207.29	2,986.36	2,913.48	72.88	40.976		
7,000.00	6,012.67	6,164.41	5,965.06	67.44	31.81	-143.48	1,641.43	-208.16	3,038.09	2,964.70	73.38	41.401		
7,100.00	6,093.31	6,249.08	6,049.72	68.66	32.01	-144.12	1,641.79	-209.22	3,090.17	3,016.22	73.95	41.788		
7,200.00	6,173.95	6,331.32	6,131.95	69.89	32.21	-144.73	1,642.27	-210.02	3,142.30	3,067.80	74.51	42.175		
7,300.00	6,254.59	6,403.15	6,203.78	71.12	32.38	-145.23	1,642.80	-210.89	3,194.90	3,119.89	75.01	42.593		
7,400.00	6,335.23	6,501.63	6,302.25	72.35	32.62	-145.90	1,643.79	-211.89	3,247.58	3,171.91	75.67	42.919		
7,500.00	6,415.87	6,577.52	6,378.13	73.58	32.81	-146.41	1,644.15	-212.54	3,300.37	3,224.18	76.19	43.319		
7,600.00	6,496.51	6,690.13	6,490.74	74.81	33.08	-147.15	1,644.39	-212.93	3,352.96	3,276.06	76.91	43.598		
7,700.00	6,577.15	6,776.14	6,576.74	76.04	33.30	-147.68	1,645.15	-212.80	3,405.37	3,327.88	77.49	43.943		
7,800.00	6,657.79	6,837.48	6,638.08	77.27	33.46	-148.04	1,646.05	-212.86	3,458.18	3,380.23	77.95	44.362		
7,900.00	6,738.43	6,906.59	6,707.17	78.50	33.64	-148.43	1,647.33	-213.25	3,511.54	3,433.07	78.46	44.755		
8,000.00	6,819.07	6,988.54	6,789.10	79.73	33.87	-148.89	1,649.03	-213.89	3,565.23	3,486.18	79.05	45.099		
8,100.00	6,899.71	7,080.61	6,881.15	80.96	34.12	-149.37	1,651.17	-214.32	3,618.82	3,539.11	79.71	45.398		
8,200.00	6,980.35	7,158.78	6,959.30	82.18	34.33	-149.78	1,652.74	-214.63	3,672.53	3,592.24	80.28	45.744		
8,240.58	7,013.07	7,189.91	6,990.42	82.68	34.42	-149.94	1,653.32	-214.77	3,694.39	3,613.88	80.51	45.887		
8,250.00	7,020.68	7,197.15	6,997.66	82.80	34.44	-151.77	1,653.46	-214.80	3,699.47	3,618.91	80.56	45.920		
8,300.00	7,061.63	7,236.25	7,036.75	83.40	34.54	-161.90	1,654.18	-215.00	3,726.69	3,645.85	80.84	46.098		
8,350.00	7,103.23	7,285.12	7,085.61	83.97	34.68	-172.59	1,655.25	-215.23	3,754.05	3,672.87	81.18	46.241		
8,400.00	7,145.18	7,340.73	7,141.20	84.51	34.84	-176.51	1,656.87	-215.39	3,781.27	3,699.70	81.57	46.358		
8,450.00	7,187.16	7,392.00	7,204.27	85.01	35.15	-165.79	1,659.37	-215.02	3,807.75	3,722.63	85.12	44.733		
8,500.00	7,228.84	7,474.11	7,274.49	85.46	35.22	-155.63	1,661.65	-214.29	3,833.64	3,751.18	82.46	46.493		
8,550.00	7,269.91	7,515.81	7,316.18	85.86	35.34	-146.12	1,661.76	-213.70	3,858.89	3,776.19	82.70	46.659		
8,600.00	7,310.05	7,543.58	7,343.95	86.20	35.40	-137.42	1,661.39	-213.33	3,883.43	3,800.59	82.85	46.875		
8,650.00	7,348.97	7,570.88	7,371.23	86.50	35.46	-129.67	1,660.83	-213.04	3,907.19	3,824.21	82.98	47.086		
8,700.00	7,386.36	7,597.28	7,397.63	86.74	35.52	-122.85	1,660.10	-212.84	3,930.02	3,846.91	83.11	47.289		
8,750.00	7,421.94	7,673.91	7,474.21	86.93	35.69	-117.41	1,657.58	-212.07	3,951.67	3,868.19	83.48	47.336		
8,800.00	7,455.44	7,723.77	7,524.04	87.07	35.80	-112.60	1,656.09	-211.08	3,971.65	3,887.92	83.73	47.433		
8,850.00	7,486.61	7,749.67	7,549.92	87.16	35.86	-108.26	1,655.37	-210.58	3,990.35	3,906.48	83.87	47.576		
8,900.00	7,515.20	7,773.44	7,573.69	87.20	35.91	-104.56	1,654.73	-210.15	4,007.73	3,923.72	84.02	47.702		
8,950.00	7,541.00	7,797.00	7,597.23	87.21	35.97	-101.43	1,654.12	-209.77	4,023.73	3,939.55	84.17	47.804		
9,000.00	7,563.81	7,824.31	7,624.53	87.17	36.03	-98.87	1,653.42	-209.33	4,038.24	3,953.88	84.36	47.867		
9,050.00	7,583.47	7,851.08	7,651.29	87.10	36.09	-96.78	1,652.70	-208.85	4,051.20	3,966.63	84.57	47.902		
9,100.00	7,599.81	7,873.78	7,673.97	87.00	36.14	-95.07	1,652.08	-208.43	4,062.59	3,977.81	84.78	47.918		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 6-0-22 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 138-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,150.00	7,612.72	7,894.79	7,694.97	86.88	36.19	93.74	1,651.49	-208.00	4,072.39	3,987.38	85.01	47.907		
9,200.00	7,622.09	7,925.77	7,725.93	86.72	36.26	92.93	1,650.54	-207.28	4,080.55	3,995.25	85.30	47.838		
9,250.00	7,627.87	7,925.00	7,836.72	86.55	39.11	93.59	1,645.97	-202.87	4,086.78	3,998.18	88.61	46.122		
9,303.98	7,630.00	8,124.11	7,923.80	86.35	36.69	94.26	1,641.42	-197.67	4,091.88	4,005.36	86.52	47.295		
9,400.00	7,630.00	8,132.87	7,932.52	85.99	36.70	94.38	1,640.91	-197.06	4,100.39	4,013.44	86.95	47.157		
9,500.00	7,630.00	8,142.21	7,941.82	85.62	36.72	94.51	1,640.36	-196.40	4,111.61	4,024.20	87.41	47.038		
9,600.00	7,630.00	8,151.78	7,951.34	85.28	36.74	94.64	1,639.78	-195.72	4,125.20	4,037.33	87.87	46.947		
9,700.00	7,630.00	8,161.58	7,961.10	84.95	36.76	94.78	1,639.19	-195.01	4,141.15	4,052.82	88.33	46.882		
9,800.00	7,630.00	8,171.63	7,971.11	84.64	36.78	94.92	1,638.57	-194.28	4,159.44	4,070.65	88.79	46.845		
9,900.00	7,630.00	8,181.94	7,981.37	84.34	36.81	95.07	1,637.93	-193.52	4,180.02	4,090.77	89.25	46.836		
10,000.00	7,630.00	10,000.00	7,963.97	84.06	40.57	94.82	1,638.99	-194.78	4,202.89	4,109.27	93.62	44.895		
10,100.00	7,630.00	10,100.00	7,969.75	83.80	40.78	94.90	1,638.65	-194.38	4,228.00	4,133.73	94.28	44.848		
10,200.00	7,630.00	10,200.00	7,975.53	83.56	40.99	94.98	1,638.31	-193.97	4,255.31	4,160.38	94.93	44.827		
10,300.00	7,630.00	8,171.00	7,970.48	83.33	36.78	94.91	1,638.61	-194.33	4,284.79	4,193.96	90.83	47.174		
10,400.00	7,630.00	8,171.00	7,970.48	83.12	36.78	94.91	1,638.61	-194.33	4,316.38	4,225.16	91.21	47.322		
10,500.00	7,630.00	8,171.00	7,970.48	82.92	36.78	94.91	1,638.61	-194.33	4,350.04	4,258.45	91.59	47.497		
10,600.00	7,630.00	8,171.00	7,970.48	82.75	36.78	94.91	1,638.61	-194.33	4,385.72	4,293.77	91.95	47.698		
10,700.00	7,630.00	8,171.00	7,970.48	82.59	36.78	94.91	1,638.61	-194.33	4,423.37	4,331.07	92.30	47.926		
10,800.00	7,630.00	8,171.00	7,970.48	82.45	36.78	94.91	1,638.61	-194.33	4,462.95	4,370.31	92.63	48.178		
10,900.00	7,630.00	8,171.00	7,970.48	82.33	36.78	94.91	1,638.61	-194.33	4,504.40	4,411.44	92.96	48.456		
11,000.00	7,630.00	8,171.00	7,970.48	82.22	36.78	94.91	1,638.61	-194.33	4,547.67	4,454.40	93.27	48.758		
11,100.00	7,630.00	8,171.00	7,970.48	82.14	36.78	94.91	1,638.61	-194.33	4,592.71	4,499.14	93.57	49.083		
11,200.00	7,630.00	8,171.00	7,970.48	82.08	36.78	94.91	1,638.61	-194.33	4,639.47	4,545.62	93.86	49.431		
11,300.00	7,630.00	8,171.00	7,970.48	82.04	36.78	94.91	1,638.61	-194.33	4,687.90	4,593.77	94.13	49.802		
11,400.00	7,630.00	8,171.00	7,970.48	82.02	36.78	94.91	1,638.61	-194.33	4,737.94	4,643.55	94.39	50.194		
11,500.00	7,630.00	8,171.00	7,970.48	82.03	36.78	94.91	1,638.61	-194.33	4,789.55	4,694.91	94.64	50.608		
11,600.00	7,630.00	8,171.00	7,970.48	82.06	36.78	94.91	1,638.61	-194.33	4,842.67	4,747.80	94.88	51.042		
11,700.00	7,630.00	8,171.00	7,970.48	82.12	36.78	94.91	1,638.61	-194.33	4,897.26	4,802.16	95.10	51.495		
11,800.00	7,630.00	8,171.00	7,970.48	82.21	36.78	94.91	1,638.61	-194.33	4,953.27	4,857.96	95.31	51.968		
11,900.00	7,630.00	8,171.00	7,970.48	82.33	36.78	94.91	1,638.61	-194.33	5,010.65	4,915.13	95.52	52.458		
12,000.00	7,630.00	8,171.00	7,970.48	82.48	36.78	94.91	1,638.61	-194.33	5,069.35	4,973.64	95.71	52.967		
12,100.00	7,630.00	8,171.00	7,970.48	82.66	36.78	94.91	1,638.61	-194.33	5,129.33	5,033.44	95.89	53.493		
12,200.00	7,630.00	8,171.00	7,970.48	82.88	36.78	94.91	1,638.61	-194.33	5,190.54	5,094.48	96.06	54.035		
12,300.00	7,630.00	8,171.00	7,970.48	83.14	36.78	94.91	1,638.61	-194.33	5,252.94	5,156.72	96.22	54.593		
12,400.00	7,630.00	8,205.59	8,004.94	83.44	36.86	95.40	1,636.77	-192.07	5,315.97	5,219.49	96.48	55.097		
12,500.00	7,630.00	8,206.53	8,005.88	83.79	36.86	95.41	1,636.73	-192.02	5,380.60	5,283.97	96.63	55.683		
12,600.00	7,630.00	8,207.45	8,006.80	84.18	36.87	95.42	1,636.69	-191.97	5,446.30	5,349.53	96.77	56.283		
12,700.00	7,630.00	8,208.35	8,007.70	84.61	36.87	95.44	1,636.65	-191.92	5,513.03	5,416.13	96.89	56.897		
12,800.00	7,630.00	8,209.24	8,008.58	85.10	36.87	95.45	1,636.61	-191.87	5,580.75	5,483.74	97.02	57.524		
12,900.00	7,630.00	8,210.10	8,009.45	85.64	36.87	95.46	1,636.57	-191.82	5,649.43	5,552.30	97.13	58.164		
13,000.00	7,630.00	8,210.95	8,010.29	86.22	36.87	95.47	1,636.54	-191.77	5,719.04	5,621.80	97.24	58.815		
13,100.00	7,630.00	8,211.78	8,011.12	86.86	36.88	95.49	1,636.50	-191.73	5,789.53	5,692.19	97.34	59.478		
13,200.00	7,630.00	8,212.60	8,011.94	87.56	36.88	95.50	1,636.47	-191.68	5,860.88	5,763.45	97.43	60.153		
13,300.00	7,630.00	8,213.40	8,012.73	88.30	36.88	95.51	1,636.44	-191.64	5,933.06	5,835.54	97.52	60.838		
13,400.00	7,630.00	8,214.18	8,013.51	89.10	36.88	95.52	1,636.41	-191.60	6,006.04	5,908.43	97.61	61.534		
13,500.00	7,630.00	8,214.95	8,014.28	89.94	36.88	95.53	1,636.38	-191.56	6,079.78	5,982.10	97.68	62.239		
13,600.00	7,630.00	8,215.70	8,015.03	90.84	36.88	95.54	1,636.35	-191.52	6,154.27	6,056.51	97.76	62.954		
13,700.00	7,630.00	8,216.44	8,015.77	91.78	36.89	95.55	1,636.32	-191.48	6,229.46	6,131.64	97.83	63.678		
13,800.00	7,630.00	8,217.16	8,016.49	92.77	36.89	95.56	1,636.29	-191.44	6,305.35	6,207.46	97.89	64.411		
13,900.00	7,630.00	8,217.87	8,017.20	93.79	36.89	95.57	1,636.26	-191.41	6,381.90	6,283.95	97.95	65.152		
14,000.00	7,630.00	8,218.57	8,017.90	94.86	36.89	95.58	1,636.24	-191.37	6,459.10	6,361.09	98.01	65.901		
14,100.00	7,630.00	8,219.26	8,018.58	95.97	36.89	95.59	1,636.21	-191.34	6,536.91	6,438.84	98.07	66.658		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 6-0-22 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 138-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,630.00	8,219.93	8,019.25	97.11	36.89	95.60	1,636.18	-191.30	6,615.31	6,517.20	98.12	67.423		
14,300.00	7,630.00	8,220.59	8,019.91	98.28	36.90	95.61	1,636.16	-191.27	6,694.30	6,596.13	98.16	68.195		
14,400.00	7,630.00	8,221.24	8,020.56	99.48	36.90	95.62	1,636.14	-191.24	6,773.83	6,675.62	98.21	68.973		
14,500.00	7,630.00	8,221.88	8,021.20	100.72	36.90	95.63	1,636.11	-191.21	6,853.90	6,755.65	98.25	69.758		
14,600.00	7,630.00	8,222.50	8,021.82	101.97	36.90	95.64	1,636.09	-191.18	6,934.49	6,836.20	98.29	70.550		
14,700.00	7,630.00	8,223.12	8,022.44	103.26	36.90	95.64	1,636.07	-191.15	7,015.58	6,917.25	98.33	71.347		
14,800.00	7,630.00	8,223.72	8,023.04	104.56	36.90	95.65	1,636.05	-191.12	7,097.15	6,998.79	98.37	72.151		
14,900.00	7,630.00	8,224.32	8,023.63	105.89	36.90	95.66	1,636.03	-191.09	7,179.19	7,080.79	98.40	72.960		
15,000.00	7,630.00	8,224.90	8,024.22	107.24	36.91	95.67	1,636.01	-191.06	7,261.68	7,163.25	98.43	73.774		
15,100.00	7,630.00	8,225.48	8,024.79	108.60	36.91	95.68	1,635.99	-191.03	7,344.60	7,246.14	98.46	74.593		
15,200.00	7,630.00	8,226.04	8,025.36	109.98	36.91	95.69	1,635.97	-191.00	7,427.94	7,329.45	98.49	75.418		
15,300.00	7,630.00	8,226.60	8,025.91	111.38	36.91	95.69	1,635.95	-190.98	7,511.69	7,413.17	98.52	76.247		
15,400.00	7,630.00	8,264.00	8,063.27	112.79	36.99	96.22	1,635.04	-189.54	7,596.38	7,497.74	98.64	77.011		
15,500.00	7,630.00	8,264.00	8,063.27	114.22	36.99	96.22	1,635.04	-189.54	7,680.89	7,582.22	98.66	77.849		
15,600.00	7,630.00	8,264.00	8,063.27	115.66	36.99	96.22	1,635.04	-189.54	7,765.76	7,667.07	98.69	78.692		
15,700.00	7,630.00	8,264.00	8,063.27	117.11	36.99	96.22	1,635.04	-189.54	7,850.99	7,752.28	98.71	79.539		
15,800.00	7,630.00	8,264.00	8,063.27	118.57	36.99	96.22	1,635.04	-189.54	7,936.56	7,837.83	98.73	80.389		
15,900.00	7,630.00	8,264.00	8,063.27	120.05	36.99	96.22	1,635.04	-189.54	8,022.47	7,923.72	98.75	81.243		
16,000.00	7,630.00	8,264.00	8,063.27	121.53	36.99	96.22	1,635.04	-189.54	8,108.70	8,009.93	98.76	82.101		
16,100.00	7,630.00	8,264.00	8,063.27	123.03	36.99	96.22	1,635.04	-189.54	8,195.24	8,096.46	98.78	82.962		
16,200.00	7,630.00	8,264.00	8,063.27	124.53	36.99	96.22	1,635.04	-189.54	8,282.08	8,183.28	98.80	83.827		
16,300.00	7,630.00	8,264.00	8,063.27	126.04	36.99	96.22	1,635.04	-189.54	8,369.22	8,270.41	98.82	84.694		
16,400.00	7,630.00	8,264.00	8,063.27	127.56	36.99	96.22	1,635.04	-189.54	8,456.65	8,357.81	98.83	85.565		
16,500.00	7,630.00	8,264.00	8,063.27	129.09	36.99	96.22	1,635.04	-189.54	8,544.35	8,445.50	98.85	86.438		
16,600.00	7,630.00	8,264.00	8,063.27	130.62	36.99	96.22	1,635.04	-189.54	8,632.32	8,533.45	98.87	87.314		
16,700.00	7,630.00	8,264.00	8,063.27	132.16	36.99	96.22	1,635.04	-189.54	8,720.54	8,621.66	98.88	88.192		
16,800.00	7,630.00	8,264.00	8,063.27	133.71	36.99	96.22	1,635.04	-189.54	8,809.02	8,710.12	98.90	89.073		
16,900.00	7,630.00	8,264.00	8,063.27	135.27	36.99	96.22	1,635.04	-189.54	8,897.74	8,798.83	98.91	89.957		
17,000.00	7,630.00	8,264.00	8,063.27	136.83	36.99	96.22	1,635.04	-189.54	8,986.70	8,887.78	98.93	90.843		
17,100.00	7,630.00	8,264.00	8,063.27	138.39	36.99	96.22	1,635.04	-189.54	9,075.89	8,976.95	98.94	91.730		
17,200.00	7,630.00	8,264.00	8,063.27	139.97	36.99	96.22	1,635.04	-189.54	9,165.30	9,066.35	98.96	92.620		
17,300.00	7,630.00	8,264.00	8,063.27	141.54	36.99	96.22	1,635.04	-189.54	9,254.93	9,155.96	98.97	93.512		
17,400.00	7,630.00	8,264.00	8,063.27	143.12	36.99	96.22	1,635.04	-189.54	9,344.77	9,245.79	98.98	94.406		
17,500.00	7,630.00	8,264.00	8,063.27	144.71	36.99	96.22	1,635.04	-189.54	9,434.82	9,335.82	99.00	95.302		
17,600.00	7,630.00	8,264.00	8,063.27	146.30	36.99	96.22	1,635.04	-189.54	9,525.06	9,426.04	99.01	96.199		
17,700.00	7,630.00	8,264.00	8,063.27	147.90	36.99	96.22	1,635.04	-189.54	9,615.49	9,516.47	99.03	97.098		
17,800.00	7,630.00	8,264.00	8,063.27	149.50	36.99	96.22	1,635.04	-189.54	9,706.12	9,607.07	99.04	97.998		
17,900.00	7,630.00	8,264.00	8,063.27	151.10	36.99	96.22	1,635.04	-189.54	9,796.92	9,697.86	99.06	98.900		
18,000.00	7,630.00	8,264.00	8,063.27	152.71	36.99	96.22	1,635.04	-189.54	9,887.91	9,788.83	99.07	99.803		
18,100.00	7,630.00	8,264.00	8,063.27	154.32	36.99	96.22	1,635.04	-189.54	9,979.06	9,879.97	99.09	100.708		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 6-4-22 - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 107-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	0.00	0.00	0.00	0.00	-25.66	218.57	-105.00	242.65				
100.00	100.00	90.53	90.53	0.13	0.14	-25.70	218.57	-105.20	242.57	242.30	0.28	875.296	
200.00	200.00	191.17	191.17	0.49	0.47	-25.83	218.43	-105.74	242.68	241.71	0.96	252.111	
300.00	300.00	293.98	293.97	0.85	0.84	-26.05	217.49	-106.33	242.10	240.42	1.69	143.478	
400.00	400.00	403.18	403.09	1.21	1.23	-26.52	213.48	-106.52	238.89	236.45	2.44	97.951	
500.00	500.00	510.66	510.25	1.57	1.62	-27.52	205.25	-106.96	232.25	229.06	3.19	72.872	
600.00	600.00	618.69	617.52	1.93	2.05	-29.22	192.55	-107.69	222.21	218.26	3.94	56.359	
700.00	700.00	728.54	725.93	2.29	2.51	-31.41	174.98	-106.86	207.98	203.28	4.71	44.168	
800.00	799.98	833.67	828.67	2.64	2.99	-97.34	152.75	-105.48	189.62	184.15	5.47	34.676	
900.00	899.84	933.04	925.01	2.99	3.49	-104.00	128.43	-104.37	170.41	164.16	6.26	27.239	
1,000.00	999.45	1,028.97	1,017.47	3.35	4.00	-113.64	102.90	-104.04	154.08	146.96	7.12	21.647	
1,100.00	1,098.70	1,123.69	1,108.50	3.73	4.52	-126.08	76.69	-104.00	144.63	136.55	8.08	17.896	
1,142.12	1,140.37	1,162.99	1,146.12	3.89	4.74	-131.96	65.34	-104.05	143.57	135.06	8.51	16.873 CC, ES	
1,200.00	1,197.47	1,216.25	1,197.05	4.11	5.05	-140.17	49.75	-104.17	145.73	136.64	9.09	16.030	
1,300.00	1,295.62	1,308.98	1,285.62	4.53	5.60	-153.89	22.28	-104.10	159.44	149.41	10.03	15.892 SF	
1,400.00	1,393.06	1,399.86	1,372.24	4.97	6.15	-165.47	-5.19	-102.93	184.00	173.14	10.86	16.939	
1,500.00	1,489.64	1,488.51	1,456.43	5.44	6.69	-174.61	-32.90	-101.40	218.07	206.46	11.61	18.782	
1,600.00	1,585.27	1,575.32	1,538.97	5.95	7.23	178.66	-59.76	-99.89	259.24	246.91	12.33	21.022	
1,700.00	1,679.82	1,661.96	1,621.17	6.51	7.77	173.48	-87.09	-98.20	306.05	292.99	13.06	23.426	
1,800.00	1,773.17	1,750.01	1,704.96	7.13	8.32	169.58	-114.04	-96.00	356.41	342.57	13.84	25.755	
1,900.00	1,865.21	1,835.69	1,786.68	7.79	8.84	166.69	-139.65	-93.43	409.75	395.13	14.62	28.032	
2,000.00	1,955.84	1,920.73	1,867.82	8.51	9.37	164.41	-164.96	-90.45	465.98	450.57	15.42	30.226	
2,100.00	2,044.94	2,010.56	1,953.94	9.30	9.90	162.63	-190.24	-86.85	523.98	507.69	16.28	32.176	
2,200.00	2,132.39	2,094.46	2,034.75	10.15	10.39	161.38	-212.52	-83.44	583.83	566.72	17.12	34.111	
2,300.00	2,218.11	2,167.03	2,104.75	11.07	10.81	160.47	-231.51	-80.94	646.47	628.61	17.86	36.198	
2,400.00	2,301.97	2,243.09	2,178.19	12.06	11.24	159.72	-251.19	-78.95	711.94	693.29	18.65	38.176	
2,500.00	2,383.88	2,310.85	2,243.77	13.11	11.62	159.13	-268.22	-77.74	779.90	760.53	19.37	40.257	
2,512.74	2,394.17	2,318.65	2,251.31	13.25	11.66	159.06	-270.19	-77.66	788.79	769.33	19.46	40.530	
2,600.00	2,464.54	2,371.38	2,302.29	14.22	11.96	159.19	-283.66	-77.47	850.21	830.18	20.03	42.446	
2,700.00	2,545.18	2,432.41	2,361.28	15.35	12.30	159.38	-299.28	-78.13	921.36	900.67	20.68	44.547	
2,800.00	2,625.82	2,497.50	2,424.24	16.50	12.67	159.62	-315.75	-79.82	993.13	971.76	21.37	46.467	
2,900.00	2,706.45	2,569.39	2,493.88	17.65	13.06	159.92	-333.39	-82.31	1,064.98	1,042.85	22.13	48.121	
3,000.00	2,787.09	2,654.14	2,575.92	18.82	13.53	160.13	-354.62	-83.81	1,136.23	1,113.21	23.03	49.343	
3,100.00	2,867.73	2,729.87	2,649.05	19.99	13.97	160.18	-374.26	-83.62	1,206.90	1,183.04	23.86	50.586	
3,200.00	2,948.37	2,791.64	2,708.55	21.17	14.33	160.17	-390.84	-82.93	1,277.57	1,253.01	24.56	52.018	
3,300.00	3,029.01	2,862.87	2,776.88	22.36	14.75	160.11	-410.92	-81.95	1,348.79	1,323.42	25.37	53.162	
3,400.00	3,109.65	2,953.63	2,863.99	23.55	15.29	160.00	-436.24	-79.23	1,418.97	1,392.57	26.40	53.742	
3,500.00	3,190.29	3,018.87	2,926.60	24.74	15.68	159.91	-454.45	-77.07	1,489.06	1,461.89	27.17	54.805	
3,600.00	3,270.93	3,078.09	2,983.33	25.94	16.04	159.83	-471.36	-75.21	1,559.57	1,531.69	27.88	55.941	
3,700.00	3,351.57	3,134.56	3,037.25	27.14	16.39	159.74	-488.04	-73.49	1,630.63	1,602.07	28.56	57.096	
3,800.00	3,432.21	3,187.36	3,087.64	28.35	16.72	159.68	-503.79	-72.46	1,702.38	1,673.18	29.20	58.302	
3,900.00	3,512.85	3,263.78	3,160.64	29.56	17.19	159.63	-526.35	-71.78	1,774.54	1,744.44	30.10	58.956	
4,000.00	3,593.49	3,357.23	3,250.26	30.76	17.75	159.60	-552.79	-70.66	1,845.90	1,814.72	31.18	59.196	
4,100.00	3,674.13	3,437.14	3,326.97	31.97	18.23	159.56	-575.12	-68.84	1,916.52	1,884.40	32.12	59.663	
4,200.00	3,754.77	3,500.90	3,388.05	33.19	18.62	159.51	-593.32	-66.98	1,987.14	1,954.25	32.89	60.414	
4,300.00	3,835.41	3,546.22	3,431.35	34.40	18.90	159.46	-606.66	-65.82	2,058.40	2,024.94	33.46	61.518	
4,400.00	3,916.05	3,584.00	3,467.35	35.62	19.14	159.43	-618.11	-65.11	2,130.52	2,096.58	33.94	62.776	
4,500.00	3,996.69	3,637.30	3,518.08	36.83	19.47	159.39	-634.44	-64.74	2,203.35	2,168.76	34.59	63.699	
4,600.00	4,077.33	3,685.67	3,564.13	38.05	19.78	159.38	-649.23	-65.19	2,276.88	2,241.70	35.18	64.720	
4,700.00	4,157.96	3,753.91	3,629.17	39.27	20.20	159.38	-669.84	-66.37	2,350.66	2,314.67	35.99	65.306	
4,800.00	4,238.60	3,832.92	3,704.60	40.49	20.69	159.40	-693.33	-67.91	2,424.30	2,387.37	36.93	65.648	
4,900.00	4,319.24	3,918.03	3,785.94	41.71	21.21	159.42	-718.32	-69.13	2,497.52	2,459.59	37.93	65.840	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 6-4-22 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 107-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	4,399.88	4,018.69	3,882.26	42.93	21.83	159.42	-747.57	-69.65	2,570.15	2,531.03	39.12	65.707		
5,100.00	4,480.52	5,100.00	3,990.34	44.15	28.19	159.44	-778.53	-68.95	2,641.26	2,595.87	45.39	58.194		
5,200.00	4,561.16	4,215.38	4,071.64	45.37	22.98	159.48	-800.61	-68.29	2,711.72	2,670.33	41.39	65.514		
5,300.00	4,641.80	4,262.94	4,117.58	46.59	23.25	159.51	-812.96	-68.32	2,782.57	2,740.60	41.97	66.301		
5,400.00	4,722.44	4,301.46	4,154.71	47.82	23.48	159.53	-823.20	-68.69	2,854.16	2,811.71	42.44	67.245		
5,500.00	4,803.08	4,343.18	4,194.84	49.04	23.72	159.56	-834.56	-69.46	2,926.50	2,883.55	42.95	68.137		
5,600.00	4,883.72	4,417.39	4,266.22	50.27	24.15	159.61	-854.77	-71.14	2,999.07	2,955.26	43.81	68.454		
5,700.00	4,964.36	4,467.56	4,314.49	51.49	24.45	159.65	-868.41	-72.37	3,071.74	3,027.33	44.41	69.169		
5,800.00	5,045.00	4,522.00	4,366.73	52.71	24.77	159.68	-883.64	-73.92	3,144.94	3,099.88	45.05	69.802		
5,900.00	5,125.64	4,580.25	4,422.52	53.94	25.12	159.71	-900.30	-75.52	3,218.40	3,172.65	45.75	70.347		
6,000.00	5,206.28	4,757.77	4,592.69	55.17	26.19	159.73	-950.82	-76.79	3,290.99	3,243.20	47.79	68.864		
6,100.00	5,286.92	5,006.92	4,834.59	56.39	27.55	159.88	-1,010.23	-74.40	3,360.22	3,309.78	50.44	66.617		
6,200.00	5,367.56	5,109.59	4,934.93	57.62	28.07	159.96	-1,031.85	-71.95	3,427.26	3,375.71	51.55	66.481		
6,300.00	5,448.20	6,300.00	5,143.51	58.84	32.76	160.37	-1,064.73	-71.97	3,493.17	3,436.12	57.05	61.228		
6,400.00	5,528.84	5,734.69	5,556.53	60.07	30.20	161.71	-1,084.22	-72.17	3,551.43	3,495.19	56.24	63.144		
6,500.00	5,609.47	5,815.67	5,637.50	61.30	30.37	161.99	-1,083.94	-71.30	3,607.75	3,550.83	56.91	63.390		
6,600.00	5,690.11	5,889.41	5,711.24	62.53	30.53	162.24	-1,083.56	-70.70	3,664.19	3,606.65	57.54	63.678		
6,700.00	5,770.75	5,965.86	5,787.68	63.75	30.69	162.50	-1,083.21	-70.26	3,720.87	3,662.69	58.18	63.953		
6,800.00	5,851.39	6,046.66	5,868.48	64.98	30.86	162.77	-1,082.85	-69.83	3,777.63	3,718.79	58.84	64.200		
6,900.00	5,932.03	6,126.45	5,948.28	66.21	31.04	163.02	-1,082.42	-69.49	3,834.46	3,774.97	59.49	64.452		
7,000.00	6,012.67	6,203.69	6,025.51	67.44	31.20	163.27	-1,081.93	-69.30	3,891.40	3,831.27	60.13	64.718		
7,100.00	6,093.31	6,274.78	6,096.60	68.66	31.35	163.49	-1,081.45	-69.31	3,948.53	3,887.80	60.73	65.019		
7,200.00	6,173.95	6,340.46	6,162.28	69.89	31.49	163.69	-1,081.07	-69.52	4,005.95	3,944.65	61.30	65.351		
7,300.00	6,254.59	6,421.70	6,243.52	71.12	31.67	163.93	-1,080.73	-69.96	4,063.64	4,001.69	61.95	65.595		
7,400.00	6,335.23	6,528.87	6,350.69	72.35	31.91	164.24	-1,080.01	-70.29	4,121.11	4,058.37	62.74	65.688		
7,500.00	6,415.87	6,603.75	6,425.56	73.58	32.07	164.45	-1,079.30	-70.29	4,178.29	4,114.93	63.36	65.949		
7,600.00	6,496.51	6,682.80	6,504.61	74.81	32.25	164.66	-1,078.71	-70.46	4,235.73	4,171.74	64.00	66.186		
7,700.00	6,577.15	6,763.54	6,605.34	76.04	32.47	164.94	-1,077.56	-70.61	4,292.99	4,228.23	64.75	66.299		
7,800.00	6,657.79	6,877.36	6,699.15	77.27	32.68	165.18	-1,076.35	-70.34	4,349.92	4,284.45	65.48	66.436		
7,900.00	6,738.43	6,977.78	6,799.57	78.50	32.91	165.42	-1,075.43	-69.41	4,406.71	4,340.46	66.25	66.519		
8,000.00	6,819.07	7,064.89	6,886.66	79.73	33.12	165.62	-1,074.74	-67.98	4,463.14	4,396.18	66.96	66.657		
8,100.00	6,899.71	7,132.74	6,954.50	80.96	33.29	165.76	-1,074.40	-66.85	4,519.75	4,452.18	67.56	66.896		
8,200.00	6,980.35	7,193.46	7,015.22	82.18	33.44	165.89	-1,074.24	-66.04	4,576.72	4,508.58	68.13	67.176		
8,240.58	7,013.07	7,218.92	7,040.67	82.68	33.50	165.94	-1,074.21	-65.78	4,599.94	4,531.58	68.36	67.286		
8,250.00	7,020.68	7,224.99	7,046.74	82.80	33.52	164.25	-1,074.20	-65.73	4,605.31	4,536.89	68.42	67.311		
8,300.00	7,061.63	7,257.60	7,079.35	83.40	33.60	155.10	-1,074.15	-65.49	4,632.46	4,563.75	68.72	67.416		
8,350.00	7,103.23	7,290.61	7,112.36	83.97	33.68	145.75	-1,074.09	-65.33	4,657.30	4,588.28	69.02	67.480		
8,400.00	7,145.18	7,319.74	7,141.49	84.51	33.76	136.39	-1,074.06	-65.26	4,679.67	4,610.36	69.30	67.527		
8,450.00	7,187.16	7,347.66	7,169.41	85.01	33.83	127.31	-1,074.09	-65.24	4,699.46	4,629.89	69.58	67.543		
8,500.00	7,228.84	7,375.33	7,197.08	85.46	33.90	118.80	-1,074.19	-65.28	4,716.58	4,646.73	69.85	67.525		
8,550.00	7,269.91	7,428.46	7,250.21	85.86	34.05	111.29	-1,074.50	-65.36	4,730.87	4,660.60	70.27	67.320		
8,600.00	7,310.05	7,502.37	7,324.12	86.20	34.25	104.90	-1,074.98	-64.81	4,741.91	4,671.08	70.82	66.953		
8,650.00	7,348.97	7,550.76	7,372.50	86.50	34.38	99.36	-1,075.41	-64.12	4,749.81	4,678.59	71.21	66.697		
8,700.00	7,386.36	7,590.81	7,412.54	86.74	34.50	94.73	-1,075.87	-63.38	4,754.64	4,683.09	71.55	66.456		
8,750.00	7,421.94	7,620.03	7,441.75	86.93	34.58	90.94	-1,076.28	-62.83	4,756.51	4,684.71	71.80	66.246		
8,800.00	7,455.44	7,647.67	7,469.38	87.07	34.66	87.95	-1,076.72	-62.31	4,755.48	4,683.44	72.04	66.015		
8,850.00	7,486.61	7,672.00	7,493.70	87.16	34.73	85.67	-1,077.15	-61.86	4,751.57	4,679.33	72.24	65.774		
8,900.00	7,515.20	7,694.01	7,515.70	87.20	34.79	84.04	-1,077.57	-61.48	4,744.87	4,672.45	72.42	65.515		
8,950.00	7,541.00	7,712.72	7,534.41	87.21	34.85	82.99	-1,077.93	-61.19	4,735.46	4,662.88	72.58	65.246		
9,000.00	7,563.81	7,729.35	7,551.03	87.17	34.90	82.49	-1,078.26	-60.97	4,723.42	4,650.71	72.71	64.959		
9,050.00	7,583.47	7,743.77	7,565.46	87.10	34.94	82.49	-1,078.55	-60.79	4,708.87	4,636.04	72.83	64.654		
9,100.00	7,599.81	7,755.90	7,577.58	87.00	34.98	82.98	-1,078.80	-60.66	4,691.91	4,618.98	72.93	64.330		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 6-4-22 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 107-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,150.00	7,612.72	7,766.00	7,587.68	86.88	35.01	83.94	-1,079.01	-60.57	4,672.69	4,599.66	73.03	63.986		
9,200.00	7,622.09	7,766.00	7,587.68	86.72	35.01	85.25	-1,079.01	-60.57	4,651.34	4,578.29	73.05	63.671		
9,250.00	7,627.87	7,766.00	7,587.68	86.55	35.01	87.03	-1,079.01	-60.57	4,628.02	4,554.93	73.09	63.322		
9,303.98	7,630.00	7,766.00	7,587.68	86.35	35.01	89.51	-1,079.01	-60.57	4,600.80	4,527.67	73.14	62.906		
9,400.00	7,630.00	7,766.00	7,587.68	85.99	35.01	89.51	-1,079.01	-60.57	4,551.35	4,478.10	73.25	62.131		
9,500.00	7,630.00	7,766.00	7,587.68	85.62	35.01	89.51	-1,079.01	-60.57	4,501.45	4,428.05	73.41	61.322		
9,600.00	7,630.00	7,766.00	7,587.68	85.28	35.01	89.51	-1,079.01	-60.57	4,453.24	4,379.64	73.60	60.510		
9,700.00	7,630.00	7,766.00	7,587.68	84.95	35.01	89.51	-1,079.01	-60.57	4,406.77	4,332.95	73.82	59.696		
9,800.00	7,630.00	7,766.00	7,587.68	84.64	35.01	89.51	-1,079.01	-60.57	4,362.10	4,288.01	74.08	58.881		
9,900.00	7,630.00	7,783.41	7,605.08	84.34	35.06	89.77	-1,079.38	-60.43	4,319.21	4,244.68	74.53	57.952		
10,000.00	7,630.00	7,784.61	7,606.28	84.06	35.06	89.79	-1,079.41	-60.43	4,278.29	4,203.41	74.89	57.131		
10,100.00	7,630.00	7,785.83	7,607.50	83.80	35.07	89.80	-1,079.44	-60.42	4,239.34	4,164.05	75.28	56.313		
10,200.00	7,630.00	7,787.05	7,608.72	83.56	35.07	89.82	-1,079.46	-60.41	4,202.40	4,126.68	75.72	55.500		
10,300.00	7,630.00	7,788.28	7,609.95	83.33	35.07	89.84	-1,079.49	-60.40	4,167.53	4,091.33	76.20	54.694		
10,400.00	7,630.00	7,789.53	7,611.20	83.12	35.08	89.86	-1,079.52	-60.40	4,134.79	4,058.08	76.71	53.899		
10,500.00	7,630.00	7,790.79	7,612.46	82.92	35.08	89.88	-1,079.55	-60.39	4,104.22	4,026.95	77.27	53.115		
10,600.00	7,630.00	7,792.06	7,613.73	82.75	35.09	89.89	-1,079.58	-60.39	4,075.88	3,998.02	77.86	52.346		
10,700.00	7,630.00	7,793.34	7,615.01	82.59	35.09	89.91	-1,079.61	-60.38	4,049.81	3,971.32	78.49	51.594		
10,800.00	7,630.00	7,794.64	7,616.31	82.45	35.09	89.93	-1,079.64	-60.38	4,026.05	3,946.90	79.16	50.862		
10,900.00	7,630.00	7,795.95	7,617.62	82.33	35.10	89.95	-1,079.67	-60.37	4,004.65	3,924.80	79.85	50.152		
11,000.00	7,630.00	7,797.27	7,618.94	82.22	35.10	89.97	-1,079.70	-60.36	3,985.65	3,905.07	80.57	49.466		
11,100.00	7,630.00	7,798.60	7,620.27	82.14	35.11	89.99	-1,079.73	-60.36	3,969.07	3,887.75	81.32	48.808		
11,200.00	7,630.00	7,799.95	7,621.62	82.08	35.11	90.01	-1,079.76	-60.36	3,954.95	3,872.86	82.09	48.180		
11,300.00	7,630.00	7,801.31	7,622.98	82.04	35.11	90.03	-1,079.79	-60.35	3,943.32	3,860.44	82.87	47.582		
11,400.00	7,630.00	7,802.69	7,624.35	82.02	35.12	90.05	-1,079.83	-60.35	3,934.19	3,850.52	83.67	47.018		
11,500.00	7,630.00	7,804.07	7,625.74	82.03	35.12	90.07	-1,079.86	-60.34	3,927.59	3,843.10	84.49	46.488		
11,600.00	7,630.00	7,805.48	7,627.14	82.06	35.13	90.09	-1,079.89	-60.34	3,923.53	3,838.22	85.30	45.995		
11,700.00	7,630.00	7,806.89	7,628.56	82.12	35.13	90.11	-1,079.93	-60.34	3,922.01	3,835.88	86.13	45.538		
11,709.58	7,630.00	7,807.03	7,628.69	82.13	35.13	90.11	-1,079.93	-60.34	3,922.00	3,835.79	86.21	45.496		
11,800.00	7,630.00	7,808.32	7,629.99	82.21	35.14	90.13	-1,079.96	-60.34	3,923.04	3,836.09	86.95	45.120		
11,900.00	7,630.00	7,809.77	7,631.43	82.33	35.14	90.15	-1,080.00	-60.33	3,926.61	3,838.85	87.76	44.741		
12,000.00	7,630.00	7,811.23	7,632.89	82.48	35.14	90.17	-1,080.03	-60.33	3,932.73	3,844.16	88.57	44.400		
12,100.00	7,630.00	7,812.71	7,634.37	82.66	35.15	90.20	-1,080.07	-60.33	3,941.37	3,852.00	89.37	44.100		
12,200.00	7,630.00	7,814.20	7,635.86	82.88	35.15	90.22	-1,080.11	-60.33	3,952.53	3,862.37	90.16	43.839		
12,300.00	7,630.00	7,815.71	7,637.37	83.14	35.16	90.24	-1,080.14	-60.33	3,966.17	3,875.24	90.93	43.617		
12,400.00	7,630.00	7,817.23	7,638.89	83.44	35.16	90.26	-1,080.18	-60.33	3,982.28	3,890.60	91.68	43.435		
12,500.00	7,630.00	7,818.77	7,640.43	83.79	35.17	90.28	-1,080.22	-60.33	4,000.82	3,908.41	92.42	43.291		
12,600.00	7,630.00	7,820.32	7,641.98	84.18	35.17	90.31	-1,080.26	-60.33	4,021.77	3,928.64	93.13	43.186		
12,700.00	7,630.00	7,821.89	7,643.56	84.61	35.18	90.33	-1,080.30	-60.33	4,045.07	3,951.26	93.81	43.118		
12,800.00	7,630.00	7,823.48	7,645.14	85.10	35.18	90.35	-1,080.34	-60.33	4,070.70	3,976.23	94.47	43.088		
12,900.00	7,630.00	7,825.09	7,646.75	85.64	35.19	90.38	-1,080.38	-60.33	4,098.61	4,003.50	95.11	43.094		
13,000.00	7,630.00	7,826.71	7,648.37	86.22	35.19	90.40	-1,080.42	-60.34	4,128.76	4,033.04	95.72	43.134		
13,100.00	7,630.00	7,828.36	7,650.01	86.86	35.20	90.42	-1,080.47	-60.34	4,161.08	4,064.78	96.30	43.210		
13,200.00	7,630.00	7,830.02	7,651.67	87.56	35.20	90.45	-1,080.51	-60.34	4,195.54	4,098.69	96.85	43.319		
13,300.00	7,630.00	7,831.69	7,653.35	88.30	35.21	90.47	-1,080.55	-60.35	4,232.08	4,134.71	97.38	43.460		
13,400.00	7,630.00	7,833.39	7,655.05	89.10	35.21	90.50	-1,080.60	-60.35	4,270.65	4,172.78	97.88	43.633		
13,500.00	7,630.00	7,835.11	7,656.76	89.94	35.22	90.52	-1,080.65	-60.36	4,311.20	4,212.85	98.35	43.836		
13,600.00	7,630.00	7,836.84	7,658.50	90.84	35.22	90.55	-1,080.69	-60.36	4,353.66	4,254.87	98.79	44.068		
13,700.00	7,630.00	7,838.60	7,660.25	91.78	35.23	90.57	-1,080.74	-60.37	4,397.99	4,298.78	99.21	44.329		
13,800.00	7,630.00	7,840.37	7,662.02	92.77	35.23	90.60	-1,080.79	-60.37	4,444.12	4,344.52	99.60	44.618		
13,900.00	7,630.00	7,842.17	7,663.82	93.79	35.24	90.63	-1,080.84	-60.38	4,492.01	4,392.04	99.97	44.933		
14,000.00	7,630.00	7,843.98	7,665.63	94.86	35.24	90.65	-1,080.89	-60.39	4,541.59	4,441.27	100.31	45.273		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 6-4-22 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 107-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance						Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,100.00	7,630.00	7,845.82	7,667.47	95.97	35.25	90.68	-1,080.94	-60.40	4,592.81	4,492.18	100.64	45.638		
14,200.00	7,630.00	7,847.68	7,669.33	97.11	35.25	90.71	-1,080.99	-60.41	4,645.62	4,544.69	100.93	46.027		
14,300.00	7,630.00	7,849.56	7,671.21	98.28	35.26	90.73	-1,081.04	-60.42	4,699.96	4,598.75	101.21	46.438		
14,400.00	7,630.00	7,859.00	7,680.65	99.48	35.29	90.87	-1,081.31	-60.48	4,755.80	4,654.28	101.51	46.848		
14,500.00	7,630.00	7,859.00	7,680.65	100.72	35.29	90.87	-1,081.31	-60.48	4,813.05	4,711.31	101.74	47.308		
14,600.00	7,630.00	7,859.00	7,680.65	101.97	35.29	90.87	-1,081.31	-60.48	4,871.68	4,769.73	101.95	47.787		
14,700.00	7,630.00	7,859.00	7,680.65	103.26	35.29	90.87	-1,081.31	-60.48	4,931.64	4,829.50	102.13	48.286		
14,800.00	7,630.00	7,859.00	7,680.65	104.56	35.29	90.87	-1,081.31	-60.48	4,992.88	4,890.57	102.31	48.803		
14,900.00	7,630.00	7,859.00	7,680.65	105.89	35.29	90.87	-1,081.31	-60.48	5,055.36	4,952.89	102.46	49.338		
15,000.00	7,630.00	7,859.00	7,680.65	107.24	35.29	90.87	-1,081.31	-60.48	5,119.03	5,016.42	102.61	49.890		
15,100.00	7,630.00	7,859.00	7,680.65	108.60	35.29	90.87	-1,081.31	-60.48	5,183.85	5,081.11	102.74	50.458		
15,200.00	7,630.00	7,859.00	7,680.65	109.98	35.29	90.87	-1,081.31	-60.48	5,249.77	5,146.92	102.85	51.042		
15,300.00	7,630.00	7,859.00	7,680.65	111.38	35.29	90.87	-1,081.31	-60.48	5,316.76	5,213.80	102.96	51.641		
15,400.00	7,630.00	7,859.00	7,680.65	112.79	35.29	90.87	-1,081.31	-60.48	5,384.76	5,281.71	103.05	52.254		
15,500.00	7,630.00	7,859.00	7,680.65	114.22	35.29	90.87	-1,081.31	-60.48	5,453.76	5,350.63	103.13	52.881		
15,600.00	7,630.00	7,859.00	7,680.65	115.66	35.29	90.87	-1,081.31	-60.48	5,523.70	5,420.50	103.21	53.521		
15,700.00	7,630.00	7,859.00	7,680.65	117.11	35.29	90.87	-1,081.31	-60.48	5,594.56	5,491.29	103.27	54.173		
15,800.00	7,630.00	7,875.57	7,697.21	118.57	35.34	91.11	-1,081.79	-60.64	5,666.25	5,562.84	103.42	54.789		
15,900.00	7,630.00	7,877.29	7,698.93	120.05	35.34	91.14	-1,081.84	-60.66	5,738.83	5,635.35	103.48	55.460		
16,000.00	7,630.00	7,879.02	7,700.65	121.53	35.35	91.16	-1,081.90	-60.69	5,812.22	5,708.69	103.53	56.143		
16,100.00	7,630.00	7,880.76	7,702.39	123.03	35.36	91.19	-1,081.95	-60.71	5,886.39	5,782.82	103.57	56.835		
16,200.00	7,630.00	7,882.52	7,704.15	124.53	35.36	91.21	-1,082.00	-60.73	5,961.31	5,857.70	103.61	57.538		
16,300.00	7,630.00	7,884.29	7,705.93	126.04	35.37	91.24	-1,082.06	-60.76	6,036.96	5,933.32	103.64	58.251		
16,400.00	7,630.00	7,886.08	7,707.72	127.56	35.37	91.27	-1,082.11	-60.78	6,113.31	6,009.64	103.66	58.973		
16,500.00	7,630.00	7,887.89	7,709.52	129.09	35.38	91.29	-1,082.17	-60.81	6,190.33	6,086.64	103.68	59.704		
16,600.00	7,630.00	7,889.71	7,711.34	130.62	35.38	91.32	-1,082.22	-60.84	6,268.00	6,164.30	103.70	60.443		
16,700.00	7,630.00	7,891.55	7,713.18	132.16	35.39	91.35	-1,082.28	-60.87	6,346.29	6,242.58	103.71	61.190		
16,800.00	7,630.00	7,893.41	7,715.04	133.71	35.39	91.37	-1,082.34	-60.90	6,425.19	6,321.46	103.72	61.946		
16,900.00	7,630.00	7,895.28	7,716.91	135.27	35.40	91.40	-1,082.40	-60.93	6,504.66	6,400.93	103.73	62.709		
17,000.00	7,630.00	7,897.17	7,718.80	136.83	35.41	91.43	-1,082.46	-60.97	6,584.69	6,480.96	103.73	63.478		
17,100.00	7,630.00	8,350.40	8,171.23	138.39	36.91	98.00	-1,105.47	-54.90	6,665.10	6,559.22	105.88	62.947		
17,200.00	7,630.00	8,354.07	8,174.88	139.97	36.92	98.05	-1,105.74	-54.76	6,745.85	6,639.98	105.87	63.717		
17,300.00	7,630.00	8,357.70	8,178.50	141.54	36.94	98.10	-1,106.01	-54.63	6,827.11	6,721.25	105.86	64.493		
17,400.00	7,630.00	8,361.29	8,182.07	143.12	36.95	98.15	-1,106.28	-54.50	6,908.86	6,803.01	105.84	65.275		
17,500.00	7,630.00	8,364.83	8,185.60	144.71	36.96	98.20	-1,106.54	-54.37	6,991.07	6,885.25	105.82	66.063		
17,600.00	7,630.00	8,368.33	8,189.09	146.30	36.98	98.25	-1,106.79	-54.24	7,073.74	6,967.94	105.81	66.856		
17,700.00	7,630.00	8,371.79	8,192.54	147.90	36.99	98.30	-1,107.04	-54.12	7,156.85	7,051.07	105.78	67.655		
17,800.00	7,630.00	8,375.21	8,195.95	149.50	37.00	98.35	-1,107.29	-54.00	7,240.38	7,134.62	105.76	68.459		
17,900.00	7,630.00	8,378.60	8,199.33	151.10	37.01	98.40	-1,107.53	-53.88	7,324.33	7,218.59	105.74	69.268		
18,000.00	7,630.00	8,381.94	8,202.66	152.71	37.02	98.45	-1,107.77	-53.76	7,408.66	7,302.95	105.72	70.081		
18,100.00	7,630.00	8,385.25	8,205.96	154.32	37.04	98.50	-1,108.00	-53.65	7,493.38	7,387.69	105.69	70.899		
18,200.00	7,630.00	8,388.52	8,209.22	155.94	37.05	98.54	-1,108.23	-53.54	7,578.47	7,472.81	105.67	71.721		
18,300.00	7,630.00	8,391.76	8,212.44	157.56	37.06	98.59	-1,108.46	-53.43	7,663.92	7,558.28	105.64	72.547		
18,400.00	7,630.00	8,394.95	8,215.63	159.18	37.07	98.64	-1,108.68	-53.32	7,749.71	7,644.10	105.61	73.377		
18,500.00	7,630.00	8,398.12	8,218.79	160.80	37.08	98.68	-1,108.90	-53.22	7,835.84	7,730.25	105.59	74.211		
18,600.00	7,630.00	8,420.00	8,240.61	162.43	37.16	99.00	-1,110.38	-52.52	7,922.33	7,816.69	105.64	74.991		
18,700.00	7,630.00	8,420.00	8,240.61	164.06	37.16	99.00	-1,110.38	-52.52	8,009.08	7,903.48	105.60	75.841		
18,800.00	7,630.00	8,420.00	8,240.61	165.70	37.16	99.00	-1,110.38	-52.52	8,096.13	7,990.57	105.56	76.694		
18,900.00	7,630.00	8,420.00	8,240.61	167.33	37.16	99.00	-1,110.38	-52.52	8,183.48	8,077.96	105.52	77.551		
19,000.00	7,630.00	8,420.00	8,240.61	168.97	37.16	99.00	-1,110.38	-52.52	8,271.12	8,165.63	105.48	78.411		
19,021.79	7,630.00	8,420.00	8,240.61	169.33	37.16	99.00	-1,110.38	-52.52	8,290.25	8,184.77	105.48	78.598		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 8-2-22 - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 139-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	0.00	0.00	0.00	0.00	-21.34	218.57	-85.40	234.84				
100.00	100.00	88.95	88.95	0.13	0.15	-21.29	219.02	-85.33	235.06	234.78	0.28	837.394	
200.00	200.00	190.96	190.95	0.49	0.41	-21.04	220.24	-84.72	235.97	235.07	0.90	260.961	
300.00	300.00	297.94	297.86	0.85	0.80	-20.19	220.05	-80.93	234.56	232.91	1.65	142.396	
400.00	400.00	403.25	402.82	1.21	1.18	-18.41	218.34	-72.69	230.43	228.04	2.39	96.258	
500.00	500.00	504.91	503.65	1.57	1.59	-15.47	216.47	-59.92	224.97	221.82	3.15	71.470	
600.00	600.00	611.23	608.58	1.93	2.04	-11.50	212.79	-43.30	217.86	213.91	3.95	55.131	
700.00	700.00	709.20	704.68	2.29	2.50	-6.77	208.40	-24.75	210.31	205.55	4.76	44.211	
800.00	799.98	800.46	793.54	2.64	2.95	-63.41	205.90	-4.14	205.17	199.59	5.57	36.808	
838.33	838.28	832.46	824.58	2.78	3.12	-61.57	206.15	3.63	204.63	198.75	5.88	34.810	
900.00	899.84	886.74	877.08	2.99	3.40	-58.53	208.44	17.22	205.90	199.52	6.38	32.286	
1,000.00	999.45	990.20	977.04	3.35	3.96	-53.37	212.43	43.56	207.59	200.30	7.30	28.450	
1,100.00	1,098.70	1,090.01	1,073.42	3.73	4.51	-49.01	214.38	69.44	206.78	198.58	8.20	25.227	
1,200.00	1,197.47	1,188.49	1,168.24	4.11	5.07	-45.12	216.30	95.96	205.02	195.93	9.09	22.545	
1,300.00	1,295.62	1,286.42	1,262.70	4.53	5.62	-42.10	218.81	121.64	201.97	191.99	9.98	20.243	
1,400.00	1,393.06	1,379.61	1,352.84	4.97	6.14	-40.31	223.40	144.84	198.50	187.69	10.81	18.356	
1,500.00	1,489.64	1,478.74	1,448.38	5.44	6.70	-39.05	230.59	170.28	195.00	183.28	11.72	16.636	
1,600.00	1,585.27	1,577.02	1,543.03	5.95	7.26	-38.33	237.67	195.75	188.91	176.27	12.64	14.946	
1,700.00	1,679.82	1,673.52	1,635.69	6.51	7.83	-38.17	245.69	221.47	181.45	167.87	13.58	13.362	
1,800.00	1,773.17	1,774.28	1,732.54	7.13	8.41	-39.08	255.08	247.66	171.92	157.29	14.63	11.755	
1,900.00	1,865.21	1,874.05	1,828.69	7.79	8.98	-41.21	264.14	272.72	159.21	143.46	15.75	10.109	
2,000.00	1,955.84	1,977.09	1,928.37	8.51	9.55	-44.94	271.47	297.73	142.09	125.05	17.04	8.340	
2,100.00	2,044.94	2,074.08	2,022.39	9.30	10.09	-50.73	277.10	320.87	122.01	103.54	18.47	6.606	
2,200.00	2,132.39	2,169.60	2,114.79	10.15	10.63	-59.73	283.13	344.32	102.22	82.06	20.16	5.071	
2,300.00	2,218.11	2,265.16	2,207.12	11.07	11.17	-74.15	289.78	368.03	85.44	63.40	22.03	3.877	
2,400.00	2,301.97	2,359.90	2,298.99	12.06	11.69	-96.30	295.53	390.41	76.32	53.11	23.21	3.288	
2,411.83	2,311.77	2,370.89	2,309.68	12.18	11.75	-99.27	296.15	392.94	76.19	52.97	23.23	3.280 CC, ES, SF	
2,500.00	2,383.88	2,452.19	2,388.70	13.11	12.19	-120.97	300.88	411.42	83.50	61.03	22.47	3.716	
2,512.74	2,394.17	2,463.86	2,400.06	13.25	12.26	-123.81	301.58	414.05	85.73	63.43	22.30	3.845	
2,600.00	2,464.54	2,544.64	2,478.59	14.22	12.69	-140.04	306.53	432.30	106.37	84.97	21.40	4.970	
2,700.00	2,545.18	2,639.05	2,570.06	15.35	13.22	-152.84	310.95	455.24	135.45	114.33	21.12	6.414	
2,800.00	2,625.82	2,730.65	2,658.78	16.50	13.74	-161.21	314.19	477.83	168.40	146.99	21.40	7.867	
2,900.00	2,706.45	2,824.36	2,749.41	17.65	14.27	-166.82	318.17	501.30	203.10	181.08	22.02	9.222	
3,000.00	2,787.09	2,916.19	2,838.14	18.82	14.80	-170.92	321.37	524.69	238.87	216.08	22.78	10.484	
3,100.00	2,867.73	3,009.14	2,927.95	19.99	15.33	-174.12	324.10	548.56	275.46	251.82	23.64	11.653	
3,200.00	2,948.37	3,103.71	3,019.17	21.17	15.88	-176.47	327.82	573.16	311.93	287.39	24.55	12.707	
3,300.00	3,029.01	3,195.48	3,107.80	22.36	16.41	-177.97	333.03	596.40	348.65	323.20	25.45	13.700	
3,400.00	3,109.65	3,287.52	3,196.76	23.55	16.94	-179.06	338.91	619.31	385.60	359.26	26.35	14.635	
3,500.00	3,190.29	3,376.19	3,282.62	24.74	17.44	-179.89	344.61	640.70	423.29	396.07	27.22	15.550	
3,600.00	3,270.93	3,467.54	3,371.17	25.94	17.94	-179.40	350.27	662.37	461.48	433.37	28.11	16.414	
3,700.00	3,351.57	3,553.38	3,454.49	27.14	18.42	-178.71	354.47	682.58	500.48	471.50	28.97	17.274	
3,800.00	3,432.21	3,649.25	3,547.51	28.35	18.95	-177.92	358.04	705.52	539.75	509.80	29.94	18.027	
3,900.00	3,512.85	3,736.70	3,632.38	29.56	19.43	-177.32	361.52	726.30	579.10	548.27	30.83	18.784	
4,000.00	3,593.49	3,832.62	3,725.50	30.76	19.96	-176.77	365.48	748.99	618.53	586.73	31.80	19.451	
4,100.00	3,674.13	3,921.55	3,811.78	31.97	20.45	-176.30	369.03	770.22	657.87	625.16	32.71	20.115	
4,200.00	3,754.77	4,013.37	3,900.95	33.19	20.95	-175.91	372.92	791.78	697.46	663.82	33.63	20.736	
4,300.00	3,835.41	4,103.76	3,988.82	34.40	21.44	-175.64	377.57	812.44	737.13	702.59	34.53	21.346	
4,400.00	3,916.05	4,192.90	4,075.60	35.62	21.92	-175.48	382.78	832.17	777.04	741.64	35.40	21.948	
4,500.00	3,996.69	4,289.24	4,169.31	36.83	22.44	-175.26	387.73	853.94	816.94	780.59	36.36	22.470	
4,600.00	4,077.33	4,369.51	4,247.45	38.05	22.86	-175.13	392.24	871.73	856.97	819.83	37.14	23.071	
4,700.00	4,157.96	4,463.81	4,339.46	39.27	23.36	-174.98	396.94	891.88	897.95	859.88	38.07	23.585	
4,800.00	4,238.60	4,557.45	4,430.52	40.49	23.86	-174.73	400.61	913.37	938.19	899.17	39.02	24.044	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 8-2-22 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 139-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,900.00	4,319.24	4,649.97	4,520.55	41.71	24.36	174.55	404.72	934.27	978.47	938.52	39.95	24.494		
5,000.00	4,399.88	4,739.69	4,607.87	42.93	24.84	174.40	408.92	954.48	1,018.69	977.84	40.85	24.940		
5,100.00	4,480.52	4,813.76	4,680.01	44.15	25.23	174.25	411.60	971.07	1,059.60	1,018.00	41.59	25.475		
5,200.00	4,561.16	4,879.03	4,743.80	45.37	25.56	174.09	412.61	984.84	1,102.52	1,060.28	42.24	26.101		
5,300.00	4,641.80	4,943.01	4,806.62	46.59	25.87	173.96	413.13	996.92	1,147.49	1,104.65	42.85	26.781		
5,400.00	4,722.44	5,010.31	4,872.99	47.82	26.17	173.87	413.61	1,008.04	1,194.32	1,150.85	43.46	27.479		
5,500.00	4,803.08	5,079.52	4,941.45	49.04	26.46	173.83	414.00	1,018.18	1,242.59	1,198.51	44.08	28.188		
5,600.00	4,883.72	5,150.25	5,011.57	50.27	26.74	173.81	414.32	1,027.49	1,292.04	1,247.33	44.71	28.901		
5,700.00	4,964.36	5,218.74	5,079.59	51.49	27.00	173.82	414.54	1,035.48	1,342.63	1,297.34	45.29	29.647		
5,800.00	5,045.00	5,280.76	5,141.30	52.71	27.22	173.85	414.69	1,041.68	1,394.48	1,348.71	45.77	30.466		
5,900.00	5,125.64	5,339.92	5,200.27	53.94	27.42	173.91	414.82	1,046.29	1,447.89	1,401.69	46.21	31.336		
6,000.00	5,206.28	5,403.16	5,263.40	55.17	27.62	174.00	414.96	1,050.05	1,502.62	1,455.95	46.67	32.194		
6,100.00	5,286.92	5,471.34	5,331.52	56.39	27.82	174.12	415.07	1,053.09	1,558.39	1,511.20	47.20	33.019		
6,200.00	5,367.56	5,544.62	5,404.74	57.62	28.03	174.25	415.12	1,055.77	1,614.80	1,567.01	47.78	33.794		
6,300.00	5,448.20	5,621.07	5,481.15	58.84	28.24	174.39	415.27	1,058.15	1,671.52	1,623.11	48.41	34.530		
6,400.00	5,528.84	5,685.77	5,545.84	60.07	28.42	174.52	415.48	1,059.57	1,728.84	1,679.96	48.88	35.367		
6,500.00	5,609.47	5,751.96	5,612.03	61.30	28.59	174.66	415.68	1,060.26	1,786.95	1,737.58	49.37	36.196		
6,600.00	5,690.11	5,822.28	5,682.35	62.53	28.76	174.81	415.83	1,060.39	1,845.70	1,795.79	49.90	36.986		
6,700.00	5,770.75	5,901.85	5,761.92	63.75	28.95	174.98	416.12	1,060.24	1,904.65	1,854.11	50.54	37.683		
6,800.00	5,851.39	5,978.54	5,838.60	64.98	29.13	175.14	416.34	1,060.02	1,963.73	1,912.58	51.15	38.393		
6,900.00	5,932.03	6,056.18	5,916.24	66.21	29.32	175.28	416.48	1,059.68	2,022.95	1,971.18	51.77	39.079		
7,000.00	6,012.67	6,134.21	5,994.27	67.44	29.50	175.43	416.71	1,059.18	2,082.28	2,029.89	52.39	39.747		
7,100.00	6,093.31	6,212.69	6,072.75	68.66	29.68	175.57	416.94	1,058.57	2,141.70	2,088.68	53.02	40.394		
7,200.00	6,173.95	6,289.81	6,149.87	69.89	29.86	175.69	417.01	1,058.00	2,201.20	2,147.56	53.64	41.037		
7,300.00	6,254.59	6,362.83	6,222.89	71.12	30.03	175.81	417.04	1,057.25	2,260.91	2,206.70	54.21	41.704		
7,400.00	6,335.23	6,438.67	6,298.72	72.35	30.21	175.93	417.21	1,056.17	2,320.83	2,266.01	54.82	42.335		
7,500.00	6,415.87	6,514.71	6,374.75	73.58	30.39	176.06	417.47	1,054.88	2,380.89	2,325.46	55.43	42.952		
7,600.00	6,496.51	6,587.96	6,447.99	74.81	30.56	176.16	417.51	1,053.61	2,441.12	2,385.10	56.02	43.579		
7,700.00	6,577.15	6,665.54	6,525.55	76.04	30.74	176.26	417.11	1,052.25	2,501.59	2,444.93	56.65	44.155		
7,800.00	6,657.79	6,775.45	6,635.45	77.27	31.00	176.39	416.83	1,050.87	2,561.64	2,503.98	57.66	44.427		
7,900.00	6,738.43	6,893.92	6,753.92	78.50	31.32	176.53	417.51	1,050.87	2,620.44	2,561.67	58.77	44.590		
8,000.00	6,819.07	6,985.74	6,845.73	79.73	31.57	176.62	418.10	1,051.81	2,678.52	2,618.92	59.59	44.946		
8,100.00	6,899.71	7,068.62	6,928.60	80.96	31.81	176.69	418.63	1,052.82	2,736.47	2,676.15	60.33	45.361		
8,200.00	6,980.35	7,157.38	7,017.36	82.18	32.07	176.77	419.37	1,053.88	2,794.37	2,733.25	61.12	45.718		
8,240.58	7,013.07	7,196.83	7,056.80	82.68	32.18	176.80	419.71	1,054.49	2,817.77	2,756.28	61.48	45.830		
8,250.00	7,020.68	7,206.02	7,065.99	82.80	32.21	175.03	419.78	1,054.65	2,823.16	2,761.59	61.57	45.856		
8,300.00	7,061.63	7,247.28	7,107.24	83.40	32.33	165.48	420.14	1,055.35	2,850.76	2,788.84	61.92	46.041		
8,350.00	7,103.23	7,289.48	7,149.43	83.97	32.45	155.76	420.53	1,056.06	2,876.51	2,814.25	62.26	46.200		
8,400.00	7,145.18	7,327.93	7,187.88	84.51	32.56	146.06	420.93	1,056.66	2,900.29	2,837.74	62.55	46.369		
8,450.00	7,187.16	7,365.18	7,225.11	85.01	32.67	136.67	421.45	1,057.09	2,922.00	2,859.20	62.80	46.527		
8,500.00	7,228.84	7,399.72	7,259.65	85.46	32.77	127.87	422.04	1,057.35	2,941.55	2,878.54	63.01	46.683		
8,550.00	7,269.91	7,428.56	7,288.48	85.86	32.85	119.85	422.48	1,057.48	2,958.92	2,895.78	63.14	46.861		
8,600.00	7,310.05	7,456.66	7,316.59	86.20	32.93	112.80	422.80	1,057.53	2,974.07	2,910.82	63.25	47.019		
8,650.00	7,348.97	7,484.00	7,343.92	86.50	33.01	106.74	423.03	1,057.51	2,986.95	2,923.61	63.34	47.154		
8,700.00	7,386.36	7,517.55	7,377.47	86.74	33.10	101.74	423.24	1,057.42	2,997.49	2,934.00	63.49	47.209		
8,750.00	7,421.94	7,549.60	7,409.53	86.93	33.18	97.64	423.43	1,057.31	3,005.63	2,942.01	63.62	47.240		
8,800.00	7,455.44	7,579.75	7,439.67	87.07	33.26	94.33	423.59	1,057.17	3,011.40	2,947.67	63.74	47.248		
8,850.00	7,486.61	7,606.71	7,466.63	87.16	33.34	91.70	423.73	1,057.02	3,014.84	2,951.03	63.82	47.241		
8,900.00	7,515.20	7,631.40	7,491.32	87.20	33.40	89.69	423.86	1,056.84	3,016.00	2,952.12	63.89	47.208		
8,950.00	7,541.00	7,653.59	7,513.51	87.21	33.46	88.23	423.99	1,056.64	3,014.95	2,951.00	63.95	47.147		
9,000.00	7,563.81	7,673.33	7,533.25	87.17	33.51	87.25	424.12	1,056.45	3,011.74	2,947.74	64.00	47.055		
9,050.00	7,583.47	7,693.26	7,553.18	87.10	33.56	86.75	424.23	1,056.24	3,006.46	2,942.37	64.09	46.908		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 8-2-22 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 139-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,100.00	7,599.81	7,709.84	7,569.75	87.00	33.61	86.63	424.32	1,056.08	2,999.18	2,935.00	64.18	46.732		
9,150.00	7,612.72	7,722.92	7,582.84	86.88	33.64	86.87	424.39	1,055.96	2,989.99	2,925.72	64.27	46.525		
9,200.00	7,622.09	7,732.39	7,592.31	86.72	33.67	87.44	424.43	1,055.87	2,979.00	2,914.64	64.36	46.288		
9,250.00	7,627.87	7,738.15	7,598.07	86.55	33.68	88.30	424.45	1,055.82	2,966.29	2,901.84	64.46	46.019		
9,303.98	7,630.00	7,740.14	7,600.05	86.35	33.69	89.57	424.46	1,055.81	2,950.78	2,886.20	64.58	45.695		
9,400.00	7,630.00	7,739.73	7,599.64	85.99	33.69	89.56	424.46	1,055.81	2,923.00	2,858.16	64.84	45.079		
9,500.00	7,630.00	7,739.30	7,599.21	85.62	33.69	89.56	424.46	1,055.81	2,897.18	2,831.96	65.22	44.420		
9,600.00	7,630.00	7,738.86	7,598.78	85.28	33.68	89.55	424.46	1,055.82	2,874.61	2,808.90	65.71	43.748		
9,700.00	7,630.00	7,738.43	7,598.34	84.95	33.68	89.54	424.45	1,055.82	2,855.36	2,789.06	66.30	43.068		
9,800.00	7,630.00	7,737.99	7,597.90	84.64	33.68	89.53	424.45	1,055.82	2,839.50	2,772.52	66.99	42.389		
9,900.00	7,630.00	7,737.54	7,597.46	84.34	33.68	89.52	424.45	1,055.83	2,827.10	2,759.33	67.77	41.716		
10,000.00	7,630.00	7,737.10	7,597.01	84.06	33.68	89.51	424.45	1,055.83	2,818.19	2,749.55	68.64	41.058		
10,100.00	7,630.00	7,736.65	7,596.56	83.80	33.68	89.50	424.45	1,055.84	2,812.81	2,743.23	69.59	40.422		
10,200.00	7,630.00	7,736.20	7,596.11	83.56	33.68	89.49	424.44	1,055.84	2,810.98	2,740.38	70.60	39.815		
10,201.46	7,630.00	7,736.19	7,596.10	83.55	33.68	89.49	424.44	1,055.84	2,810.98	2,740.37	70.62	39.806		
10,300.00	7,630.00	7,735.74	7,595.66	83.33	33.68	89.48	424.44	1,055.84	2,812.71	2,741.04	71.67	39.244		
10,400.00	7,630.00	7,735.28	7,595.20	83.12	33.68	89.47	424.44	1,055.85	2,817.98	2,745.19	72.79	38.714		
10,500.00	7,630.00	7,734.82	7,594.74	82.92	33.67	89.46	424.44	1,055.85	2,826.79	2,752.85	73.94	38.229		
10,600.00	7,630.00	7,734.36	7,594.27	82.75	33.67	89.46	424.44	1,055.86	2,839.09	2,763.97	75.12	37.794		
10,700.00	7,630.00	7,733.89	7,593.81	82.59	33.67	89.45	424.43	1,055.86	2,854.85	2,778.54	76.31	37.411		
10,800.00	7,630.00	7,733.42	7,593.33	82.45	33.67	89.44	424.43	1,055.86	2,874.00	2,796.49	77.50	37.082		
10,900.00	7,630.00	7,732.95	7,592.86	82.33	33.67	89.43	424.43	1,055.87	2,896.47	2,817.78	78.69	36.807		
11,000.00	7,630.00	7,732.47	7,592.38	82.22	33.67	89.42	424.43	1,055.87	2,922.20	2,842.33	79.87	36.587		
11,100.00	7,630.00	7,731.99	7,591.90	82.14	33.67	89.41	424.43	1,055.88	2,951.10	2,870.07	81.02	36.423		
11,200.00	7,630.00	7,731.50	7,591.42	82.08	33.67	89.40	424.42	1,055.88	2,983.07	2,900.91	82.15	36.312		
11,300.00	7,630.00	7,731.02	7,590.93	82.04	33.66	89.39	424.42	1,055.89	3,018.01	2,934.76	83.25	36.254		
11,400.00	7,630.00	7,730.52	7,590.44	82.02	33.66	89.38	424.42	1,055.89	3,055.83	2,971.52	84.31	36.247		
11,500.00	7,630.00	7,730.03	7,589.94	82.03	33.66	89.37	424.42	1,055.89	3,096.42	3,011.09	85.33	36.289		
11,600.00	7,630.00	7,729.53	7,589.45	82.06	33.66	89.36	424.42	1,055.90	3,139.66	3,053.36	86.30	36.379		
11,700.00	7,630.00	7,729.03	7,588.94	82.12	33.66	89.35	424.41	1,055.90	3,185.47	3,098.23	87.24	36.515		
11,800.00	7,630.00	7,728.52	7,588.44	82.21	33.66	89.34	424.41	1,055.91	3,233.71	3,145.58	88.13	36.693		
11,900.00	7,630.00	7,728.01	7,587.93	82.33	33.66	89.33	424.41	1,055.91	3,284.30	3,195.32	88.97	36.914		
12,000.00	7,630.00	7,727.50	7,587.42	82.48	33.66	89.32	424.41	1,055.92	3,337.11	3,247.34	89.77	37.173		
12,100.00	7,630.00	7,726.98	7,586.90	82.66	33.65	89.30	424.40	1,055.92	3,392.05	3,301.52	90.53	37.470		
12,200.00	7,630.00	7,726.46	7,586.38	82.88	33.65	89.29	424.40	1,055.93	3,449.01	3,357.77	91.24	37.802		
12,300.00	7,630.00	7,725.94	7,585.85	83.14	33.65	89.28	424.40	1,055.93	3,507.90	3,415.99	91.91	38.167		
12,400.00	7,630.00	7,725.41	7,585.33	83.44	33.65	89.27	424.40	1,055.94	3,568.63	3,476.09	92.54	38.563		
12,500.00	7,630.00	7,724.88	7,584.79	83.79	33.65	89.26	424.39	1,055.94	3,631.09	3,537.96	93.13	38.989		
12,600.00	7,630.00	7,724.34	7,584.26	84.18	33.65	89.25	424.39	1,055.95	3,695.20	3,601.51	93.68	39.443		
12,700.00	7,630.00	7,723.80	7,583.72	84.61	33.65	89.24	424.39	1,055.95	3,760.88	3,666.67	94.20	39.924		
12,800.00	7,630.00	7,723.26	7,583.17	85.10	33.64	89.23	424.39	1,055.96	3,828.04	3,733.35	94.69	40.429		
12,900.00	7,630.00	7,722.71	7,582.62	85.64	33.64	89.22	424.38	1,055.96	3,896.61	3,801.47	95.14	40.958		
13,000.00	7,630.00	7,722.16	7,582.07	86.22	33.64	89.21	424.38	1,055.97	3,966.52	3,870.96	95.56	41.509		
13,100.00	7,630.00	7,721.60	7,581.51	86.86	33.64	89.20	424.38	1,055.97	4,037.69	3,941.74	95.95	42.080		
13,200.00	7,630.00	7,721.04	7,580.95	87.56	33.64	89.18	424.38	1,055.98	4,110.07	4,013.75	96.32	42.671		
13,300.00	7,630.00	7,720.47	7,580.39	88.30	33.64	89.17	424.37	1,055.98	4,183.58	4,086.92	96.66	43.281		
13,400.00	7,630.00	7,719.90	7,579.82	89.10	33.64	89.16	424.37	1,055.99	4,258.17	4,161.20	96.98	43.908		
13,500.00	7,630.00	7,719.33	7,579.24	89.94	33.63	89.15	424.37	1,055.99	4,333.79	4,236.52	97.28	44.552		
13,600.00	7,630.00	7,718.75	7,578.66	90.84	33.63	89.14	424.37	1,056.00	4,410.38	4,312.83	97.55	45.211		
13,700.00	7,630.00	7,718.16	7,578.08	91.78	33.63	89.13	424.36	1,056.00	4,487.89	4,390.08	97.81	45.884		
13,800.00	7,630.00	7,717.58	7,577.49	92.77	33.63	89.11	424.36	1,056.01	4,566.27	4,468.22	98.05	46.572		
13,900.00	7,630.00	7,716.98	7,576.90	93.79	33.63	89.10	424.36	1,056.01	4,645.48	4,547.21	98.27	47.273		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ COSSLETT 8-2-22 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 139-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,000.00	7,630.00	7,716.39	7,576.30	94.86	33.63	89.09	424.35	1,056.02	4,725.48	4,627.01	98.48	47.985		
14,100.00	7,630.00	7,715.78	7,575.70	95.97	33.62	89.08	424.35	1,056.03	4,806.23	4,707.56	98.67	48.710		
14,200.00	7,630.00	7,715.18	7,575.09	97.11	33.62	89.06	424.35	1,056.03	4,887.70	4,788.85	98.85	49.446		
14,300.00	7,630.00	7,714.57	7,574.48	98.28	33.62	89.05	424.35	1,056.04	4,969.84	4,870.82	99.02	50.192		
14,400.00	7,630.00	7,713.95	7,573.86	99.48	33.62	89.04	424.34	1,056.04	5,052.62	4,953.45	99.17	50.947		
14,500.00	7,630.00	7,713.33	7,573.24	100.72	33.62	89.03	424.34	1,056.05	5,136.01	5,036.70	99.32	51.713		
14,600.00	7,630.00	7,712.70	7,572.62	101.97	33.62	89.01	424.34	1,056.05	5,219.99	5,120.54	99.45	52.487		
14,700.00	7,630.00	7,712.07	7,571.98	103.26	33.61	89.00	424.33	1,056.06	5,304.53	5,204.95	99.58	53.269		
14,800.00	7,630.00	7,711.43	7,571.35	104.56	33.61	88.99	424.33	1,056.07	5,389.59	5,289.89	99.70	54.059		
14,900.00	7,630.00	7,710.79	7,570.71	105.89	33.61	88.97	424.33	1,056.07	5,475.16	5,375.35	99.81	54.857		
15,000.00	7,630.00	7,710.14	7,570.06	107.24	33.61	88.96	424.32	1,056.08	5,561.21	5,461.30	99.91	55.662		
15,100.00	7,630.00	7,709.49	7,569.40	108.60	33.61	88.95	424.32	1,056.09	5,647.72	5,547.72	100.01	56.474		
15,200.00	7,630.00	7,708.83	7,568.75	109.98	33.61	88.93	424.32	1,056.09	5,734.67	5,634.58	100.09	57.292		
15,300.00	7,630.00	7,708.17	7,568.08	111.38	33.60	88.92	424.31	1,056.10	5,822.04	5,721.86	100.18	58.117		
15,400.00	7,630.00	7,707.50	7,567.41	112.79	33.60	88.91	424.31	1,056.10	5,909.81	5,809.55	100.26	58.947		
15,500.00	7,630.00	7,706.82	7,566.74	114.22	33.60	88.89	424.31	1,056.11	5,997.96	5,897.63	100.33	59.782		
15,600.00	7,630.00	7,706.14	7,566.06	115.66	33.60	88.88	424.30	1,056.12	6,086.47	5,986.08	100.40	60.623		
15,700.00	7,630.00	7,705.46	7,565.37	117.11	33.60	88.87	424.30	1,056.12	6,175.34	6,074.88	100.46	61.469		
15,800.00	7,630.00	7,704.76	7,564.68	118.57	33.60	88.85	424.30	1,056.13	6,264.54	6,164.02	100.52	62.319		
15,900.00	7,630.00	7,704.07	7,563.98	120.05	33.59	88.84	424.29	1,056.14	6,354.07	6,253.49	100.58	63.174		
16,000.00	7,630.00	7,703.36	7,563.28	121.53	33.59	88.82	424.29	1,056.14	6,443.90	6,343.27	100.63	64.033		
16,100.00	7,630.00	7,702.65	7,562.57	123.03	33.59	88.81	424.28	1,056.15	6,534.03	6,433.35	100.68	64.896		
16,200.00	7,630.00	7,701.94	7,561.85	124.53	33.59	88.79	424.28	1,056.16	6,624.44	6,523.71	100.73	65.763		
16,300.00	7,630.00	7,701.21	7,561.13	126.04	33.59	88.78	424.28	1,056.16	6,715.13	6,614.35	100.78	66.634		
16,400.00	7,630.00	7,700.48	7,560.40	127.56	33.58	88.76	424.27	1,056.17	6,806.07	6,705.25	100.82	67.508		
16,500.00	7,630.00	7,699.75	7,559.66	129.09	33.58	88.75	424.27	1,056.18	6,897.26	6,796.41	100.86	68.385		
16,600.00	7,630.00	7,699.01	7,558.92	130.62	33.58	88.73	424.26	1,056.19	6,988.70	6,887.80	100.90	69.266		
16,700.00	7,630.00	7,698.26	7,558.17	132.16	33.58	88.72	424.26	1,056.19	7,080.37	6,979.43	100.93	70.149		
16,800.00	7,630.00	7,697.50	7,557.42	133.71	33.58	88.70	424.26	1,056.20	7,172.26	7,071.29	100.97	71.035		
16,900.00	7,630.00	7,696.74	7,556.66	135.27	33.57	88.69	424.25	1,056.21	7,264.36	7,163.36	101.00	71.924		
17,000.00	7,630.00	7,695.97	7,555.89	136.83	33.57	88.67	424.25	1,056.22	7,356.67	7,255.64	101.03	72.815		
17,100.00	7,630.00	7,695.20	7,555.11	138.39	33.57	88.66	424.24	1,056.22	7,449.18	7,348.12	101.06	73.709		
17,200.00	7,630.00	7,694.41	7,554.33	139.97	33.57	88.64	424.24	1,056.23	7,541.88	7,440.79	101.09	74.605		
17,300.00	7,630.00	7,693.62	7,553.54	141.54	33.57	88.63	424.24	1,056.24	7,634.76	7,533.64	101.12	75.503		
17,400.00	7,630.00	7,692.83	7,552.74	143.12	33.56	88.61	424.23	1,056.25	7,727.82	7,626.68	101.15	76.403		
17,500.00	7,630.00	7,692.02	7,551.94	144.71	33.56	88.59	424.23	1,056.26	7,821.06	7,719.89	101.17	77.305		
17,600.00	7,630.00	7,691.21	7,551.13	146.30	33.56	88.58	424.22	1,056.26	7,914.46	7,813.26	101.20	78.209		
17,700.00	7,630.00	7,690.39	7,550.31	147.90	33.56	88.56	424.22	1,056.27	8,008.01	7,906.79	101.22	79.115		
17,800.00	7,630.00	7,689.57	7,549.48	149.50	33.56	88.54	424.21	1,056.28	8,101.72	8,000.48	101.24	80.022		
17,900.00	7,630.00	7,688.73	7,548.65	151.10	33.55	88.53	424.21	1,056.29	8,195.58	8,094.32	101.27	80.930		
18,000.00	7,630.00	7,687.89	7,547.81	152.71	33.55	88.51	424.20	1,056.30	8,289.59	8,188.30	101.29	81.841		
18,100.00	7,630.00	7,687.04	7,546.96	154.32	33.55	88.49	424.20	1,056.31	8,383.73	8,282.42	101.31	82.752		
18,200.00	7,630.00	7,686.18	7,546.10	155.94	33.55	88.47	424.19	1,056.31	8,478.01	8,376.67	101.33	83.665		
18,300.00	7,630.00	7,685.31	7,545.23	157.56	33.54	88.46	424.19	1,056.32	8,572.41	8,471.06	101.35	84.578		
18,400.00	7,630.00	7,684.44	7,544.36	159.18	33.54	88.44	424.18	1,056.33	8,666.94	8,565.57	101.38	85.493		
18,500.00	7,630.00	7,683.55	7,543.47	160.80	33.54	88.42	424.18	1,056.34	8,761.59	8,660.20	101.40	86.409		
18,600.00	7,630.00	7,682.66	7,542.58	162.43	33.54	88.40	424.17	1,056.35	8,856.36	8,754.95	101.42	87.326		
18,700.00	7,630.00	7,681.76	7,541.68	164.06	33.53	88.38	424.17	1,056.36	8,951.25	8,849.81	101.44	88.244		
18,800.00	7,630.00	7,680.85	7,540.77	165.70	33.53	88.36	424.16	1,056.37	9,046.24	8,944.78	101.46	89.163		
18,900.00	7,630.00	7,679.93	7,539.85	167.33	33.53	88.35	424.16	1,056.38	9,141.34	9,039.87	101.48	90.082		
19,000.00	7,630.00	7,679.01	7,538.92	168.97	33.53	88.33	424.15	1,056.39	9,236.55	9,135.05	101.50	91.002		
19,021.79	7,630.00	7,678.80	7,538.72	169.33	33.53	88.32	424.15	1,056.39	9,257.30	9,155.80	101.50	91.203		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ FRONT RANGE FARMS 15C-14HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 16-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	15,353.00	7,799.48	0.00	138.96	68.22	1,835.16	4,593.68	9,355.26					
100.00	100.00	15,353.00	7,799.48	0.13	138.96	68.22	1,835.16	4,593.68	9,270.54	9,182.28	88.25	105.047		
200.00	200.00	15,353.00	7,799.48	0.49	138.96	68.22	1,835.16	4,593.68	9,186.12	9,097.45	88.66	103.608		
300.00	300.00	15,353.00	7,799.48	0.85	138.96	68.22	1,835.16	4,593.68	9,102.01	9,012.91	89.10	102.150		
400.00	400.00	15,353.00	7,799.48	1.21	138.96	68.22	1,835.16	4,593.68	9,018.23	8,928.66	89.58	100.674		
500.00	500.00	15,353.00	7,799.48	1.57	138.96	68.22	1,835.16	4,593.68	8,934.79	8,844.71	90.08	99.185		
600.00	600.00	15,353.00	7,799.48	1.93	138.96	68.22	1,835.16	4,593.68	8,851.69	8,761.07	90.61	97.685		
700.00	700.00	15,353.00	7,799.48	2.29	138.96	68.22	1,835.16	4,593.68	8,768.94	8,677.76	91.17	96.178		
800.00	799.98	15,353.00	7,799.48	2.64	138.96	6.78	1,835.16	4,593.68	8,685.58	8,593.82	91.76	94.654		
900.00	899.84	15,353.00	7,799.48	2.99	138.96	7.18	1,835.16	4,593.68	8,600.69	8,508.33	92.36	93.124		
1,000.00	999.45	15,353.00	7,799.48	3.35	138.96	7.62	1,835.16	4,593.68	8,514.31	8,421.37	92.94	91.610		
1,100.00	1,098.70	15,353.00	7,799.48	3.73	138.96	8.12	1,835.16	4,593.68	8,426.53	8,333.01	93.51	90.112		
1,200.00	1,197.47	15,353.00	7,799.48	4.11	138.96	8.69	1,835.16	4,593.68	8,337.38	8,243.32	94.07	88.634		
1,300.00	1,295.62	15,353.00	7,799.48	4.53	138.96	9.36	1,835.16	4,593.68	8,246.96	8,152.36	94.60	87.176		
1,400.00	1,393.06	15,353.00	7,799.48	4.97	138.96	10.13	1,835.16	4,593.68	8,155.31	8,060.20	95.12	85.738		
1,500.00	1,489.64	15,353.00	7,799.48	5.44	138.96	11.05	1,835.16	4,593.68	8,062.53	7,966.91	95.61	84.323		
1,600.00	1,585.27	15,353.00	7,799.48	5.95	138.96	12.14	1,835.16	4,593.68	7,968.67	7,872.58	96.09	82.931		
1,700.00	1,679.82	15,353.00	7,799.48	6.51	138.96	13.47	1,835.16	4,593.68	7,873.82	7,777.28	96.54	81.562		
1,800.00	1,773.17	15,353.00	7,799.48	7.13	138.96	15.11	1,835.16	4,593.68	7,778.06	7,681.10	96.96	80.218		
1,900.00	1,865.21	15,353.00	7,799.48	7.79	138.96	17.19	1,835.16	4,593.68	7,681.47	7,584.11	97.36	78.898		
2,000.00	1,955.84	15,353.00	7,799.48	8.51	138.96	19.88	1,835.16	4,593.68	7,584.15	7,486.42	97.73	77.605		
2,100.00	2,044.94	15,353.00	7,799.48	9.30	138.96	23.49	1,835.16	4,593.68	7,486.18	7,388.12	98.07	76.338		
2,200.00	2,132.39	15,353.00	7,799.48	10.15	138.96	28.52	1,835.16	4,593.68	7,387.67	7,289.30	98.37	75.098		
2,300.00	2,218.11	15,353.00	7,799.48	11.07	138.96	35.87	1,835.16	4,593.68	7,288.71	7,190.06	98.65	73.886		
2,400.00	2,301.97	15,353.00	7,799.48	12.06	138.96	47.06	1,835.16	4,593.68	7,189.40	7,090.51	98.89	72.703		
2,500.00	2,383.88	15,353.00	7,799.48	13.11	138.96	64.21	1,835.16	4,593.68	7,089.86	6,990.77	99.09	71.549		
2,512.74	2,394.17	15,353.00	7,799.48	13.25	138.96	66.90	1,835.16	4,593.68	7,077.16	6,978.05	99.11	71.404		
2,600.00	2,464.54	15,353.00	7,799.48	14.22	138.96	66.90	1,835.16	4,593.68	6,990.23	6,890.95	99.27	70.414		
2,700.00	2,545.18	15,353.00	7,799.48	15.35	138.96	66.90	1,835.16	4,593.68	6,890.60	6,791.14	99.46	69.279		
2,800.00	2,625.82	15,353.00	7,799.48	16.50	138.96	66.90	1,835.16	4,593.68	6,790.99	6,691.33	99.66	68.143		
2,900.00	2,706.45	15,353.00	7,799.48	17.65	138.96	66.90	1,835.16	4,593.68	6,691.39	6,591.53	99.86	67.006		
3,000.00	2,787.09	15,353.00	7,799.48	18.82	138.96	66.90	1,835.16	4,593.68	6,591.81	6,491.73	100.07	65.869		
3,100.00	2,867.73	15,353.00	7,799.48	19.99	138.96	66.90	1,835.16	4,593.68	6,492.23	6,391.94	100.29	64.732		
3,200.00	2,948.37	15,353.00	7,799.48	21.17	138.96	66.90	1,835.16	4,593.68	6,392.67	6,292.15	100.52	63.594		
3,300.00	3,029.01	15,353.00	7,799.48	22.36	138.96	66.90	1,835.16	4,593.68	6,293.12	6,192.36	100.76	62.456		
3,400.00	3,109.65	15,353.00	7,799.48	23.55	138.96	66.90	1,835.16	4,593.68	6,193.59	6,092.58	101.01	61.318		
3,500.00	3,190.29	15,353.00	7,799.48	24.74	138.96	66.90	1,835.16	4,593.68	6,094.07	5,992.81	101.26	60.181		
3,600.00	3,270.93	15,353.00	7,799.48	25.94	138.96	66.90	1,835.16	4,593.68	5,994.57	5,893.05	101.53	59.044		
3,700.00	3,351.57	15,353.00	7,799.48	27.14	138.96	66.90	1,835.16	4,593.68	5,895.09	5,793.29	101.80	57.908		
3,800.00	3,432.21	15,353.00	7,799.48	28.35	138.96	66.90	1,835.16	4,593.68	5,795.62	5,693.54	102.09	56.772		
3,900.00	3,512.85	15,353.00	7,799.48	29.56	138.96	66.90	1,835.16	4,593.68	5,696.17	5,593.79	102.38	55.637		
4,000.00	3,593.49	15,353.00	7,799.48	30.76	138.96	66.90	1,835.16	4,593.68	5,596.75	5,494.06	102.69	54.504		
4,100.00	3,674.13	15,353.00	7,799.48	31.97	138.96	66.90	1,835.16	4,593.68	5,497.34	5,394.34	103.00	53.371		
4,200.00	3,754.77	15,353.00	7,799.48	33.19	138.96	66.90	1,835.16	4,593.68	5,397.95	5,294.62	103.33	52.240		
4,300.00	3,835.41	15,353.00	7,799.48	34.40	138.96	66.90	1,835.16	4,593.68	5,298.59	5,194.92	103.67	51.110		
4,400.00	3,916.05	15,353.00	7,799.48	35.62	138.96	66.90	1,835.16	4,593.68	5,199.25	5,095.23	104.02	49.981		
4,500.00	3,996.69	15,353.00	7,799.48	36.83	138.96	66.90	1,835.16	4,593.68	5,099.94	4,995.55	104.39	48.855		
4,600.00	4,077.33	15,353.00	7,799.48	38.05	138.96	66.90	1,835.16	4,593.68	5,000.66	4,895.89	104.77	47.730		
4,700.00	4,157.96	15,353.00	7,799.48	39.27	138.96	66.90	1,835.16	4,593.68	4,901.40	4,796.24	105.16	46.607		
4,800.00	4,238.60	15,353.00	7,799.48	40.49	138.96	66.90	1,835.16	4,593.68	4,802.18	4,696.60	105.57	45.486		
4,900.00	4,319.24	15,353.00	7,799.48	41.71	138.96	66.90	1,835.16	4,593.68	4,702.98	4,596.98	106.00	44.367		
5,000.00	4,399.88	15,353.00	7,799.48	42.93	138.96	66.90	1,835.16	4,593.68	4,603.83	4,497.38	106.44	43.251		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ FRONT RANGE FARMS 15C-14HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 16-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,480.52	15,353.00	7,799.48	44.15	138.96	66.90	1,835.16	4,593.68	4,504.71	4,397.80	106.91	42.137		
5,200.00	4,561.16	15,353.00	7,799.48	45.37	138.96	66.90	1,835.16	4,593.68	4,405.63	4,298.24	107.39	41.026		
5,300.00	4,641.80	15,353.00	7,799.48	46.59	138.96	66.90	1,835.16	4,593.68	4,306.59	4,198.70	107.89	39.918		
5,400.00	4,722.44	15,353.00	7,799.48	47.82	138.96	66.90	1,835.16	4,593.68	4,207.60	4,099.19	108.41	38.812		
5,500.00	4,803.08	15,353.00	7,799.48	49.04	138.96	66.90	1,835.16	4,593.68	4,108.66	3,999.70	108.95	37.710		
5,600.00	4,883.72	15,353.00	7,799.48	50.27	138.96	66.90	1,835.16	4,593.68	4,009.77	3,900.24	109.52	36.611		
5,700.00	4,964.36	15,353.00	7,799.48	51.49	138.96	66.90	1,835.16	4,593.68	3,910.93	3,800.81	110.12	35.515		
5,800.00	5,045.00	15,353.00	7,799.48	52.71	138.96	66.90	1,835.16	4,593.68	3,812.16	3,701.41	110.75	34.423		
5,900.00	5,125.64	15,353.00	7,799.48	53.94	138.96	66.90	1,835.16	4,593.68	3,713.45	3,602.05	111.40	33.334		
6,000.00	5,206.28	15,353.00	7,799.48	55.17	138.96	66.90	1,835.16	4,593.68	3,614.82	3,502.73	112.09	32.250		
6,100.00	5,286.92	15,353.00	7,799.48	56.39	138.96	66.90	1,835.16	4,593.68	3,516.26	3,403.44	112.81	31.169		
6,200.00	5,367.56	15,353.00	7,799.48	57.62	138.96	66.90	1,835.16	4,593.68	3,417.78	3,304.21	113.57	30.093		
6,300.00	5,448.20	15,353.00	7,799.48	58.84	138.96	66.90	1,835.16	4,593.68	3,319.40	3,205.02	114.38	29.022		
6,400.00	5,528.84	15,353.00	7,799.48	60.07	138.96	66.90	1,835.16	4,593.68	3,221.11	3,105.89	115.22	27.955		
6,500.00	5,609.47	15,353.00	7,799.48	61.30	138.96	66.90	1,835.16	4,593.68	3,122.93	3,006.81	116.12	26.894		
6,600.00	5,690.11	15,353.00	7,799.48	62.53	138.96	66.90	1,835.16	4,593.68	3,024.88	2,907.81	117.07	25.838		
6,700.00	5,770.75	15,353.00	7,799.48	63.75	138.96	66.90	1,835.16	4,593.68	2,926.95	2,808.87	118.08	24.788		
6,800.00	5,851.39	15,353.00	7,799.48	64.98	138.96	66.90	1,835.16	4,593.68	2,829.17	2,710.02	119.15	23.744		
6,900.00	5,932.03	15,353.00	7,799.48	66.21	138.96	66.90	1,835.16	4,593.68	2,731.55	2,611.26	120.30	22.707		
7,000.00	6,012.67	15,353.00	7,799.48	67.44	138.96	66.90	1,835.16	4,593.68	2,634.11	2,512.59	121.52	21.676		
7,100.00	6,093.31	15,353.00	7,799.48	68.66	138.96	66.90	1,835.16	4,593.68	2,536.87	2,414.04	122.83	20.654		
7,200.00	6,173.95	15,353.00	7,799.48	69.89	138.96	66.90	1,835.16	4,593.68	2,439.85	2,315.62	124.23	19.640		
7,300.00	6,254.59	15,353.00	7,799.48	71.12	138.96	66.90	1,835.16	4,593.68	2,343.09	2,217.34	125.74	18.634		
7,400.00	6,335.23	15,353.00	7,799.48	72.35	138.96	66.90	1,835.16	4,593.68	2,246.60	2,119.23	127.37	17.638		
7,500.00	6,415.87	15,353.00	7,799.48	73.58	138.96	66.90	1,835.16	4,593.68	2,150.44	2,021.30	129.13	16.653		
7,600.00	6,496.51	15,353.00	7,799.48	74.81	138.96	66.90	1,835.16	4,593.68	2,054.64	1,923.60	131.04	15.679		
7,700.00	6,577.15	15,353.00	7,799.48	76.04	138.96	66.90	1,835.16	4,593.68	1,959.26	1,826.14	133.12	14.718		
7,800.00	6,657.79	15,353.00	7,799.48	77.27	138.96	66.90	1,835.16	4,593.68	1,864.37	1,728.98	135.39	13.770		
7,900.00	6,738.43	15,353.00	7,799.48	78.50	138.96	66.90	1,835.16	4,593.68	1,770.04	1,632.17	137.87	12.839		
8,000.00	6,819.07	15,353.00	7,799.48	79.73	138.96	66.90	1,835.16	4,593.68	1,676.37	1,535.78	140.59	11.924		
8,100.00	6,899.71	15,353.49	7,799.47	80.96	138.96	66.93	1,834.67	4,593.69	1,583.47	1,439.86	143.61	11.026		
8,200.00	6,980.35	15,325.67	7,799.72	82.18	138.48	65.07	1,862.49	4,593.23	1,491.24	1,345.86	145.38	10.257		
8,240.58	7,013.07	15,314.38	7,799.83	82.68	138.28	64.28	1,873.78	4,593.04	1,453.95	1,307.79	146.16	9.948		
8,250.00	7,020.68	15,311.84	7,799.85	82.80	138.24	61.21	1,876.32	4,593.00	1,445.29	1,298.95	146.35	9.876		
8,300.00	7,061.63	15,300.84	7,799.95	83.40	138.05	42.98	1,887.32	4,592.82	1,398.83	1,251.44	147.39	9.491		
8,350.00	7,103.23	15,301.87	7,800.01	83.97	138.07	22.02	1,894.03	4,592.71	1,351.82	1,203.19	148.63	9.095		
8,400.00	7,145.18	15,293.07	7,800.02	84.51	137.91	0.15	1,895.08	4,592.69	1,304.67	1,154.85	149.82	8.708		
8,450.00	7,187.16	15,302.25	7,800.01	85.01	138.07	-20.94	1,894.40	4,592.70	1,257.74	1,106.57	151.17	8.320		
8,500.00	7,228.84	15,300.09	7,799.96	85.46	138.04	-39.21	1,888.07	4,592.81	1,211.42	1,059.00	152.43	7.947		
8,550.00	7,269.91	15,310.72	7,799.86	85.86	138.22	-54.42	1,877.44	4,592.98	1,166.10	1,012.21	153.89	7.578		
8,600.00	7,310.05	15,325.57	7,799.73	86.20	138.48	-66.79	1,862.59	4,593.23	1,122.13	966.72	155.42	7.220		
8,650.00	7,348.97	15,344.52	7,799.55	86.50	138.81	-76.77	1,843.64	4,593.54	1,079.87	922.86	157.01	6.878		
8,700.00	7,386.36	15,353.00	7,799.48	86.74	138.96	-85.55	1,835.16	4,593.68	1,039.74	882.18	157.57	6.599		
8,750.00	7,421.94	15,353.00	7,799.48	86.93	138.96	-93.05	1,835.16	4,593.68	1,002.60	845.48	157.12	6.381		
8,800.00	7,455.44	15,353.00	7,799.48	87.07	138.96	-99.07	1,835.16	4,593.68	969.11	812.85	156.26	6.202		
8,850.00	7,486.61	15,353.00	7,799.48	87.16	138.96	-103.88	1,835.16	4,593.68	939.93	784.95	154.99	6.065		
8,900.00	7,515.20	15,353.00	7,799.48	87.20	138.96	-107.68	1,835.16	4,593.68	915.72	762.34	153.38	5.970		
8,950.00	7,541.00	15,353.00	7,799.48	87.21	138.96	-110.65	1,835.16	4,593.68	897.07	745.50	151.57	5.919		
9,000.00	7,563.81	15,353.00	7,799.48	87.17	138.96	-112.88	1,835.16	4,593.68	884.46	734.71	149.75	5.906 SF		
9,050.00	7,583.47	15,353.00	7,799.48	87.10	138.96	-114.45	1,835.16	4,593.68	878.27	730.12	148.15	5.928		
9,072.00	7,591.07	15,353.00	7,799.48	87.06	138.96	-114.95	1,835.16	4,593.68	877.63	730.07	147.56	5.948 CC, ES		
9,100.00	7,599.81	15,353.00	7,799.48	87.00	138.96	-115.43	1,835.16	4,593.68	878.66	731.75	146.92	5.981		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ FRONT RANGE FARMS 15C-14HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 16-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,150.00	7,612.72	15,353.00	7,799.48	86.88	138.96	-115.82	1,835.16	4,593.68	885.64	739.57	146.07	6.063		
9,200.00	7,622.09	15,353.00	7,799.48	86.72	138.96	-115.64	1,835.16	4,593.68	898.99	753.50	145.50	6.179		
9,250.00	7,627.87	15,353.00	7,799.48	86.55	138.96	-114.85	1,835.16	4,593.68	918.34	773.29	145.06	6.331		
9,303.98	7,630.00	15,353.00	7,799.48	86.35	138.96	-113.26	1,835.16	4,593.68	945.37	800.78	144.59	6.538		
9,400.00	7,630.00	15,353.00	7,799.48	85.99	138.96	-113.26	1,835.16	4,593.68	1,001.90	858.11	143.79	6.968		
9,500.00	7,630.00	15,353.00	7,799.48	85.62	138.96	-113.26	1,835.16	4,593.68	1,066.78	923.86	142.93	7.464		
9,600.00	7,630.00	15,353.00	7,799.48	85.28	138.96	-113.26	1,835.16	4,593.68	1,136.77	994.83	141.94	8.009		
9,700.00	7,630.00	15,353.00	7,799.48	84.95	138.96	-113.26	1,835.16	4,593.68	1,210.98	1,070.13	140.85	8.598		
9,800.00	7,630.00	15,353.00	7,799.48	84.64	138.96	-113.26	1,835.16	4,593.68	1,288.69	1,148.99	139.69	9.225		
9,900.00	7,630.00	15,353.00	7,799.48	84.34	138.96	-113.26	1,835.16	4,593.68	1,369.28	1,230.78	138.51	9.886		
10,000.00	7,630.00	15,353.00	7,799.48	84.06	138.96	-113.26	1,835.16	4,593.68	1,452.30	1,314.97	137.32	10.576		
10,100.00	7,630.00	15,353.00	7,799.48	83.80	138.96	-113.26	1,835.16	4,593.68	1,537.33	1,401.16	136.18	11.289		
10,200.00	7,630.00	15,353.00	7,799.48	83.56	138.96	-113.26	1,835.16	4,593.68	1,624.08	1,489.00	135.07	12.024		
10,300.00	7,630.00	15,353.00	7,799.48	83.33	138.96	-113.26	1,835.16	4,593.68	1,712.27	1,578.24	134.03	12.775		
10,400.00	7,630.00	15,353.00	7,799.48	83.12	138.96	-113.26	1,835.16	4,593.68	1,801.69	1,668.64	133.04	13.542		
10,500.00	7,630.00	15,353.00	7,799.48	82.92	138.96	-113.26	1,835.16	4,593.68	1,892.17	1,760.05	132.12	14.321		
10,600.00	7,630.00	15,353.00	7,799.48	82.75	138.96	-113.26	1,835.16	4,593.68	1,983.57	1,852.30	131.26	15.111		
10,700.00	7,630.00	15,353.00	7,799.48	82.59	138.96	-113.26	1,835.16	4,593.68	2,075.76	1,945.29	130.46	15.911		
10,800.00	7,630.00	15,353.00	7,799.48	82.45	138.96	-113.26	1,835.16	4,593.68	2,168.64	2,038.92	129.72	16.718		
10,900.00	7,630.00	15,353.00	7,799.48	82.33	138.96	-113.26	1,835.16	4,593.68	2,262.13	2,133.09	129.04	17.531		
11,000.00	7,630.00	15,353.00	7,799.48	82.22	138.96	-113.26	1,835.16	4,593.68	2,356.15	2,227.75	128.40	18.350		
11,100.00	7,630.00	15,353.00	7,799.48	82.14	138.96	-113.26	1,835.16	4,593.68	2,450.65	2,322.84	127.81	19.174		
11,200.00	7,630.00	15,353.00	7,799.48	82.08	138.96	-113.26	1,835.16	4,593.68	2,545.57	2,418.30	127.26	20.002		
11,300.00	7,630.00	15,353.00	7,799.48	82.04	138.96	-113.26	1,835.16	4,593.68	2,640.86	2,514.10	126.76	20.834		
11,400.00	7,630.00	15,353.00	7,799.48	82.02	138.96	-113.26	1,835.16	4,593.68	2,736.49	2,610.19	126.29	21.668		
11,500.00	7,630.00	15,353.00	7,799.48	82.03	138.96	-113.26	1,835.16	4,593.68	2,832.42	2,706.56	125.86	22.504		
11,600.00	7,630.00	15,353.00	7,799.48	82.06	138.96	-113.26	1,835.16	4,593.68	2,928.62	2,803.16	125.46	23.343		
11,700.00	7,630.00	15,353.00	7,799.48	82.12	138.96	-113.26	1,835.16	4,593.68	3,025.07	2,899.98	125.09	24.183		
11,800.00	7,630.00	15,353.00	7,799.48	82.21	138.96	-113.26	1,835.16	4,593.68	3,121.74	2,997.00	124.74	25.025		
11,900.00	7,630.00	15,353.00	7,799.48	82.33	138.96	-113.26	1,835.16	4,593.68	3,218.62	3,094.19	124.42	25.868		
12,000.00	7,630.00	15,353.00	7,799.48	82.48	138.96	-113.26	1,835.16	4,593.68	3,315.68	3,191.55	124.13	26.712		
12,100.00	7,630.00	15,353.00	7,799.48	82.66	138.96	-113.26	1,835.16	4,593.68	3,412.91	3,289.06	123.85	27.556		
12,200.00	7,630.00	15,353.00	7,799.48	82.88	138.96	-113.26	1,835.16	4,593.68	3,510.30	3,386.70	123.60	28.401		
12,300.00	7,630.00	15,353.00	7,799.48	83.14	138.96	-113.26	1,835.16	4,593.68	3,607.83	3,484.47	123.36	29.247		
12,400.00	7,630.00	15,353.00	7,799.48	83.44	138.96	-113.26	1,835.16	4,593.68	3,705.49	3,582.35	123.14	30.092		
12,500.00	7,630.00	15,353.00	7,799.48	83.79	138.96	-113.26	1,835.16	4,593.68	3,803.27	3,680.34	122.93	30.938		
12,600.00	7,630.00	15,353.00	7,799.48	84.18	138.96	-113.26	1,835.16	4,593.68	3,901.17	3,778.43	122.74	31.784		
12,700.00	7,630.00	15,353.00	7,799.48	84.61	138.96	-113.26	1,835.16	4,593.68	3,999.17	3,876.60	122.56	32.630		
12,800.00	7,630.00	15,353.00	7,799.48	85.10	138.96	-113.26	1,835.16	4,593.68	4,097.26	3,974.87	122.39	33.476		
12,900.00	7,630.00	15,353.00	7,799.48	85.64	138.96	-113.26	1,835.16	4,593.68	4,195.45	4,073.21	122.24	34.322		
13,000.00	7,630.00	15,353.00	7,799.48	86.22	138.96	-113.26	1,835.16	4,593.68	4,293.72	4,171.62	122.09	35.167		
13,100.00	7,630.00	15,353.00	7,799.48	86.86	138.96	-113.26	1,835.16	4,593.68	4,392.07	4,270.11	121.96	36.012		
13,200.00	7,630.00	15,353.00	7,799.48	87.56	138.96	-113.26	1,835.16	4,593.68	4,490.49	4,368.65	121.83	36.857		
13,300.00	7,630.00	15,353.00	7,799.48	88.30	138.96	-113.26	1,835.16	4,593.68	4,588.98	4,467.26	121.72	37.702		
13,400.00	7,630.00	15,353.00	7,799.48	89.10	138.96	-113.26	1,835.16	4,593.68	4,687.53	4,565.92	121.61	38.546		
13,500.00	7,630.00	15,353.00	7,799.48	89.94	138.96	-113.26	1,835.16	4,593.68	4,786.14	4,664.64	121.51	39.390		
13,600.00	7,630.00	15,353.00	7,799.48	90.84	138.96	-113.26	1,835.16	4,593.68	4,884.81	4,763.40	121.41	40.234		
13,700.00	7,630.00	15,353.00	7,799.48	91.78	138.96	-113.26	1,835.16	4,593.68	4,983.53	4,862.21	121.32	41.077		
13,800.00	7,630.00	15,353.00	7,799.48	92.77	138.96	-113.26	1,835.16	4,593.68	5,082.31	4,961.07	121.24	41.920		
13,900.00	7,630.00	15,353.00	7,799.48	93.79	138.96	-113.26	1,835.16	4,593.68	5,181.13	5,059.96	121.16	42.762		
14,000.00	7,630.00	15,353.00	7,799.48	94.86	138.96	-113.26	1,835.16	4,593.68	5,279.99	5,158.90	121.09	43.604		
14,100.00	7,630.00	15,353.00	7,799.48	95.97	138.96	-113.26	1,835.16	4,593.68	5,378.90	5,257.87	121.02	44.445		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ FRONT RANGE FARMS 15C-14HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 16-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,630.00	15,353.00	7,799.48	97.11	138.96	-113.26	1,835.16	4,593.68	5,477.84	5,356.88	120.96	45.286		
14,300.00	7,630.00	15,353.00	7,799.48	98.28	138.96	-113.26	1,835.16	4,593.68	5,576.82	5,455.92	120.90	46.126		
14,400.00	7,630.00	15,353.00	7,799.48	99.48	138.96	-113.26	1,835.16	4,593.68	5,675.84	5,554.99	120.85	46.966		
14,500.00	7,630.00	15,353.00	7,799.48	100.72	138.96	-113.26	1,835.16	4,593.68	5,774.90	5,654.10	120.80	47.805		
14,600.00	7,630.00	15,353.00	7,799.48	101.97	138.96	-113.26	1,835.16	4,593.68	5,873.98	5,753.23	120.75	48.644		
14,700.00	7,630.00	15,353.00	7,799.48	103.26	138.96	-113.26	1,835.16	4,593.68	5,973.10	5,852.38	120.71	49.482		
14,800.00	7,630.00	15,353.00	7,799.48	104.56	138.96	-113.26	1,835.16	4,593.68	6,072.24	5,951.57	120.67	50.320		
14,900.00	7,630.00	15,353.00	7,799.48	105.89	138.96	-113.26	1,835.16	4,593.68	6,171.41	6,050.78	120.64	51.157		
15,000.00	7,630.00	15,353.00	7,799.48	107.24	138.96	-113.26	1,835.16	4,593.68	6,270.61	6,150.01	120.60	51.994		
15,100.00	7,630.00	15,353.00	7,799.48	108.60	138.96	-113.26	1,835.16	4,593.68	6,369.84	6,249.26	120.57	52.830		
15,200.00	7,630.00	15,353.00	7,799.48	109.98	138.96	-113.26	1,835.16	4,593.68	6,469.08	6,348.54	120.54	53.666		
15,300.00	7,630.00	15,353.00	7,799.48	111.38	138.96	-113.26	1,835.16	4,593.68	6,568.35	6,447.83	120.52	54.501		
15,400.00	7,630.00	15,353.00	7,799.48	112.79	138.96	-113.26	1,835.16	4,593.68	6,667.64	6,547.15	120.50	55.335		
15,500.00	7,630.00	15,353.00	7,799.48	114.22	138.96	-113.26	1,835.16	4,593.68	6,766.96	6,646.48	120.47	56.169		
15,600.00	7,630.00	15,353.00	7,799.48	115.66	138.96	-113.26	1,835.16	4,593.68	6,866.29	6,745.83	120.46	57.003		
15,700.00	7,630.00	15,353.00	7,799.48	117.11	138.96	-113.26	1,835.16	4,593.68	6,965.64	6,845.20	120.44	57.836		
15,800.00	7,630.00	15,353.00	7,799.48	118.57	138.96	-113.26	1,835.16	4,593.68	7,065.01	6,944.59	120.42	58.668		
15,900.00	7,630.00	15,353.00	7,799.48	120.05	138.96	-113.26	1,835.16	4,593.68	7,164.40	7,043.99	120.41	59.500		
16,000.00	7,630.00	15,353.00	7,799.48	121.53	138.96	-113.26	1,835.16	4,593.68	7,263.80	7,143.40	120.40	60.331		
16,100.00	7,630.00	15,353.00	7,799.48	123.03	138.96	-113.26	1,835.16	4,593.68	7,363.22	7,242.84	120.39	61.162		
16,200.00	7,630.00	15,353.00	7,799.48	124.53	138.96	-113.26	1,835.16	4,593.68	7,462.66	7,342.28	120.38	61.992		
16,300.00	7,630.00	15,353.00	7,799.48	126.04	138.96	-113.26	1,835.16	4,593.68	7,562.11	7,441.74	120.37	62.821		
16,400.00	7,630.00	15,353.00	7,799.48	127.56	138.96	-113.26	1,835.16	4,593.68	7,661.58	7,541.21	120.37	63.650		
16,500.00	7,630.00	15,353.00	7,799.48	129.09	138.96	-113.26	1,835.16	4,593.68	7,761.06	7,640.69	120.37	64.479		
16,600.00	7,630.00	15,353.00	7,799.48	130.62	138.96	-113.26	1,835.16	4,593.68	7,860.55	7,740.19	120.36	65.307		
16,700.00	7,630.00	15,353.00	7,799.48	132.16	138.96	-113.26	1,835.16	4,593.68	7,960.05	7,839.69	120.36	66.134		
16,800.00	7,630.00	15,353.00	7,799.48	133.71	138.96	-113.26	1,835.16	4,593.68	8,059.57	7,939.21	120.36	66.961		
16,900.00	7,630.00	15,353.00	7,799.48	135.27	138.96	-113.26	1,835.16	4,593.68	8,159.10	8,038.74	120.36	67.787		
17,000.00	7,630.00	15,353.00	7,799.48	136.83	138.96	-113.26	1,835.16	4,593.68	8,258.64	8,138.27	120.37	68.613		
17,100.00	7,630.00	15,353.00	7,799.48	138.39	138.96	-113.26	1,835.16	4,593.68	8,358.19	8,237.82	120.37	69.438		
17,200.00	7,630.00	15,353.00	7,799.48	139.97	138.96	-113.26	1,835.16	4,593.68	8,457.75	8,337.38	120.37	70.262		
17,300.00	7,630.00	15,353.00	7,799.48	141.54	138.96	-113.26	1,835.16	4,593.68	8,557.33	8,436.95	120.38	71.086		
17,400.00	7,630.00	15,353.00	7,799.48	143.12	138.96	-113.26	1,835.16	4,593.68	8,656.91	8,536.52	120.39	71.910		
17,500.00	7,630.00	15,353.00	7,799.48	144.71	138.96	-113.26	1,835.16	4,593.68	8,756.50	8,636.11	120.39	72.732		
17,600.00	7,630.00	15,353.00	7,799.48	146.30	138.96	-113.26	1,835.16	4,593.68	8,856.10	8,735.70	120.40	73.555		
17,700.00	7,630.00	15,353.00	7,799.48	147.90	138.96	-113.26	1,835.16	4,593.68	8,955.71	8,835.30	120.41	74.376		
17,800.00	7,630.00	15,353.00	7,799.48	149.50	138.96	-113.26	1,835.16	4,593.68	9,055.33	8,934.91	120.42	75.197		
17,900.00	7,630.00	15,353.00	7,799.48	151.10	138.96	-113.26	1,835.16	4,593.68	9,154.95	9,034.52	120.43	76.018		
18,000.00	7,630.00	15,353.00	7,799.48	152.71	138.96	-113.26	1,835.16	4,593.68	9,254.59	9,134.15	120.44	76.838		
18,100.00	7,630.00	15,353.00	7,799.48	154.32	138.96	-113.26	1,835.16	4,593.68	9,354.23	9,233.78	120.46	77.657		
18,200.00	7,630.00	15,353.00	7,799.48	155.94	138.96	-113.26	1,835.16	4,593.68	9,453.88	9,333.41	120.47	78.475		
18,300.00	7,630.00	15,353.00	7,799.48	157.56	138.96	-113.26	1,835.16	4,593.68	9,553.54	9,433.06	120.48	79.293		
18,400.00	7,630.00	15,353.00	7,799.48	159.18	138.96	-113.26	1,835.16	4,593.68	9,653.20	9,532.70	120.50	80.111		
18,500.00	7,630.00	15,353.00	7,799.48	160.80	138.96	-113.26	1,835.16	4,593.68	9,752.87	9,632.36	120.51	80.928		
18,600.00	7,630.00	15,353.00	7,799.48	162.43	138.96	-113.26	1,835.16	4,593.68	9,852.55	9,732.02	120.53	81.744		
18,700.00	7,630.00	15,353.00	7,799.48	164.06	138.96	-113.26	1,835.16	4,593.68	9,952.24	9,831.69	120.55	82.560		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ FRONT RANGE FARMS 15N-14HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 16-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	15,243.00	7,668.35	0.00	138.66	69.48	1,844.59	4,929.38	9,417.39					
100.00	100.00	15,243.00	7,668.35	0.13	138.66	69.48	1,844.59	4,929.38	9,334.63	9,243.58	91.05	102.521		
200.00	200.00	15,243.00	7,668.35	0.49	138.66	69.48	1,844.59	4,929.38	9,252.22	9,160.72	91.50	101.123		
300.00	300.00	15,243.00	7,668.35	0.85	138.66	69.48	1,844.59	4,929.38	9,170.15	9,078.17	91.97	99.704		
400.00	400.00	15,243.00	7,668.35	1.21	138.66	69.48	1,844.59	4,929.38	9,088.44	8,995.96	92.49	98.269		
500.00	500.00	15,243.00	7,668.35	1.57	138.66	69.48	1,844.59	4,929.38	9,007.10	8,914.07	93.03	96.820		
600.00	600.00	15,243.00	7,668.35	1.93	138.66	69.48	1,844.59	4,929.38	8,926.14	8,832.54	93.60	95.361		
700.00	700.00	15,243.00	7,668.35	2.29	138.66	69.48	1,844.59	4,929.38	8,845.57	8,751.37	94.21	93.896		
800.00	799.98	15,243.00	7,668.35	2.64	138.66	8.08	1,844.59	4,929.38	8,764.38	8,669.54	94.84	92.415		
900.00	899.84	15,243.00	7,668.35	2.99	138.66	8.51	1,844.59	4,929.38	8,681.58	8,586.11	95.48	90.928		
1,000.00	999.45	15,243.00	7,668.35	3.35	138.66	8.98	1,844.59	4,929.38	8,597.24	8,501.13	96.11	89.456		
1,100.00	1,098.70	15,243.00	7,668.35	3.73	138.66	9.52	1,844.59	4,929.38	8,511.41	8,414.68	96.72	87.999		
1,200.00	1,197.47	15,243.00	7,668.35	4.11	138.66	10.13	1,844.59	4,929.38	8,424.14	8,326.82	97.32	86.559		
1,300.00	1,295.62	15,243.00	7,668.35	4.53	138.66	10.83	1,844.59	4,929.38	8,335.51	8,237.61	97.91	85.138		
1,400.00	1,393.06	15,243.00	7,668.35	4.97	138.66	11.63	1,844.59	4,929.38	8,245.58	8,147.11	98.47	83.736		
1,500.00	1,489.64	15,243.00	7,668.35	5.44	138.66	12.56	1,844.59	4,929.38	8,154.42	8,055.41	99.02	82.355		
1,600.00	1,585.27	15,243.00	7,668.35	5.95	138.66	13.65	1,844.59	4,929.38	8,062.10	7,962.56	99.54	80.994		
1,700.00	1,679.82	15,243.00	7,668.35	6.51	138.66	14.94	1,844.59	4,929.38	7,968.69	7,868.65	100.04	79.654		
1,800.00	1,773.17	15,243.00	7,668.35	7.13	138.66	16.49	1,844.59	4,929.38	7,874.28	7,773.76	100.52	78.337		
1,900.00	1,865.21	15,243.00	7,668.35	7.79	138.66	18.39	1,844.59	4,929.38	7,778.93	7,677.96	100.97	77.041		
2,000.00	1,955.84	15,243.00	7,668.35	8.51	138.66	20.75	1,844.59	4,929.38	7,682.74	7,581.34	101.40	75.770		
2,100.00	2,044.94	15,243.00	7,668.35	9.30	138.66	23.74	1,844.59	4,929.38	7,585.79	7,483.99	101.79	74.521		
2,200.00	2,132.39	15,243.00	7,668.35	10.15	138.66	27.64	1,844.59	4,929.38	7,488.17	7,386.01	102.16	73.297		
2,300.00	2,218.11	15,243.00	7,668.35	11.07	138.66	32.87	1,844.59	4,929.38	7,389.98	7,287.48	102.50	72.098		
2,400.00	2,301.97	15,243.00	7,668.35	12.06	138.66	40.06	1,844.59	4,929.38	7,291.32	7,188.51	102.80	70.925		
2,500.00	2,383.88	15,243.00	7,668.35	13.11	138.66	50.17	1,844.59	4,929.38	7,192.29	7,089.21	103.07	69.777		
2,512.74	2,394.17	15,243.00	7,668.35	13.25	138.66	51.73	1,844.59	4,929.38	7,179.65	7,076.54	103.11	69.632		
2,600.00	2,464.54	15,243.00	7,668.35	14.22	138.66	51.73	1,844.59	4,929.38	7,093.08	6,989.75	103.33	68.647		
2,700.00	2,545.18	15,243.00	7,668.35	15.35	138.66	51.73	1,844.59	4,929.38	6,993.90	6,890.31	103.59	67.517		
2,800.00	2,625.82	15,243.00	7,668.35	16.50	138.66	51.73	1,844.59	4,929.38	6,894.74	6,790.88	103.86	66.387		
2,900.00	2,706.45	15,243.00	7,668.35	17.65	138.66	51.73	1,844.59	4,929.38	6,795.60	6,691.46	104.14	65.256		
3,000.00	2,787.09	15,243.00	7,668.35	18.82	138.66	51.73	1,844.59	4,929.38	6,696.49	6,592.06	104.43	64.125		
3,100.00	2,867.73	15,243.00	7,668.35	19.99	138.66	51.73	1,844.59	4,929.38	6,597.41	6,492.68	104.73	62.994		
3,200.00	2,948.37	15,243.00	7,668.35	21.17	138.66	51.73	1,844.59	4,929.38	6,498.35	6,393.31	105.04	61.863		
3,300.00	3,029.01	15,243.00	7,668.35	22.36	138.66	51.73	1,844.59	4,929.38	6,399.33	6,293.96	105.37	60.733		
3,400.00	3,109.65	15,243.00	7,668.35	23.55	138.66	51.73	1,844.59	4,929.38	6,300.33	6,194.63	105.70	59.603		
3,500.00	3,190.29	15,243.00	7,668.35	24.74	138.66	51.73	1,844.59	4,929.38	6,201.37	6,095.32	106.05	58.474		
3,600.00	3,270.93	15,243.00	7,668.35	25.94	138.66	51.73	1,844.59	4,929.38	6,102.44	5,996.03	106.41	57.346		
3,700.00	3,351.57	15,243.00	7,668.35	27.14	138.66	51.73	1,844.59	4,929.38	6,003.55	5,896.76	106.79	56.219		
3,800.00	3,432.21	15,243.00	7,668.35	28.35	138.66	51.73	1,844.59	4,929.38	5,904.69	5,797.52	107.18	55.094		
3,900.00	3,512.85	15,243.00	7,668.35	29.56	138.66	51.73	1,844.59	4,929.38	5,805.88	5,698.30	107.58	53.970		
4,000.00	3,593.49	15,243.00	7,668.35	30.76	138.66	51.73	1,844.59	4,929.38	5,707.10	5,599.11	107.99	52.847		
4,100.00	3,674.13	15,243.00	7,668.35	31.97	138.66	51.73	1,844.59	4,929.38	5,608.37	5,499.95	108.42	51.727		
4,200.00	3,754.77	15,243.00	7,668.35	33.19	138.66	51.73	1,844.59	4,929.38	5,509.68	5,400.81	108.87	50.608		
4,300.00	3,835.41	15,243.00	7,668.35	34.40	138.66	51.73	1,844.59	4,929.38	5,411.04	5,301.71	109.33	49.492		
4,400.00	3,916.05	15,243.00	7,668.35	35.62	138.66	51.73	1,844.59	4,929.38	5,312.46	5,202.64	109.81	48.377		
4,500.00	3,996.69	15,243.00	7,668.35	36.83	138.66	51.73	1,844.59	4,929.38	5,213.92	5,103.61	110.31	47.266		
4,600.00	4,077.33	15,243.00	7,668.35	38.05	138.66	51.73	1,844.59	4,929.38	5,115.45	5,004.62	110.83	46.157		
4,700.00	4,157.96	15,243.00	7,668.35	39.27	138.66	51.73	1,844.59	4,929.38	5,017.03	4,905.67	111.36	45.051		
4,800.00	4,238.60	15,243.00	7,668.35	40.49	138.66	51.73	1,844.59	4,929.38	4,918.68	4,806.76	111.92	43.948		
4,900.00	4,319.24	15,243.00	7,668.35	41.71	138.66	51.73	1,844.59	4,929.38	4,820.39	4,707.90	112.50	42.849		
5,000.00	4,399.88	15,243.00	7,668.35	42.93	138.66	51.73	1,844.59	4,929.38	4,722.18	4,609.08	113.10	41.752		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ FRONT RANGE FARMS 15N-14HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 16-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,480.52	15,243.00	7,668.35	44.15	138.66	51.73	1,844.59	4,929.38	4,624.05	4,510.32	113.73	40.660		
5,200.00	4,561.16	15,243.00	7,668.35	45.37	138.66	51.73	1,844.59	4,929.38	4,525.99	4,411.62	114.38	39.571		
5,300.00	4,641.80	15,243.00	7,668.35	46.59	138.66	51.73	1,844.59	4,929.38	4,428.02	4,312.97	115.05	38.486		
5,400.00	4,722.44	15,243.00	7,668.35	47.82	138.66	51.73	1,844.59	4,929.38	4,330.15	4,214.39	115.76	37.406		
5,500.00	4,803.08	15,243.00	7,668.35	49.04	138.66	51.73	1,844.59	4,929.38	4,232.38	4,115.88	116.50	36.330		
5,600.00	4,883.72	15,243.00	7,668.35	50.27	138.66	51.73	1,844.59	4,929.38	4,134.71	4,017.44	117.27	35.258		
5,700.00	4,964.36	15,243.00	7,668.35	51.49	138.66	51.73	1,844.59	4,929.38	4,037.15	3,919.08	118.07	34.192		
5,800.00	5,045.00	15,243.00	7,668.35	52.71	138.66	51.73	1,844.59	4,929.38	3,939.72	3,820.81	118.91	33.131		
5,900.00	5,125.64	15,243.00	7,668.35	53.94	138.66	51.73	1,844.59	4,929.38	3,842.42	3,722.63	119.79	32.075		
6,000.00	5,206.28	15,243.00	7,668.35	55.17	138.66	51.73	1,844.59	4,929.38	3,745.26	3,624.55	120.72	31.025		
6,100.00	5,286.92	15,243.00	7,668.35	56.39	138.66	51.73	1,844.59	4,929.38	3,648.26	3,526.58	121.68	29.981		
6,200.00	5,367.56	15,243.00	7,668.35	57.62	138.66	51.73	1,844.59	4,929.38	3,551.42	3,428.72	122.70	28.944		
6,300.00	5,448.20	15,243.00	7,668.35	58.84	138.66	51.73	1,844.59	4,929.38	3,454.77	3,331.00	123.77	27.913		
6,400.00	5,528.84	15,243.00	7,668.35	60.07	138.66	51.73	1,844.59	4,929.38	3,358.30	3,233.41	124.89	26.890		
6,500.00	5,609.47	15,243.00	7,668.35	61.30	138.66	51.73	1,844.59	4,929.38	3,262.05	3,135.98	126.07	25.874		
6,600.00	5,690.11	15,243.00	7,668.35	62.53	138.66	51.73	1,844.59	4,929.38	3,166.04	3,038.72	127.32	24.866		
6,700.00	5,770.75	15,243.00	7,668.35	63.75	138.66	51.73	1,844.59	4,929.38	3,070.28	2,941.63	128.64	23.867		
6,800.00	5,851.39	15,243.00	7,668.35	64.98	138.66	51.73	1,844.59	4,929.38	2,974.79	2,844.76	130.04	22.876		
6,900.00	5,932.03	15,243.00	7,668.35	66.21	138.66	51.73	1,844.59	4,929.38	2,879.62	2,748.10	131.52	21.896		
7,000.00	6,012.67	15,243.00	7,668.35	67.44	138.66	51.73	1,844.59	4,929.38	2,784.78	2,651.70	133.08	20.925		
7,100.00	6,093.31	15,243.00	7,668.35	68.66	138.66	51.73	1,844.59	4,929.38	2,690.32	2,555.57	134.75	19.966		
7,200.00	6,173.95	15,243.00	7,668.35	69.89	138.66	51.73	1,844.59	4,929.38	2,596.27	2,459.75	136.52	19.018		
7,300.00	6,254.59	15,243.00	7,668.35	71.12	138.66	51.73	1,844.59	4,929.38	2,502.68	2,364.28	138.40	18.083		
7,400.00	6,335.23	15,243.00	7,668.35	72.35	138.66	51.73	1,844.59	4,929.38	2,409.61	2,269.20	140.41	17.161		
7,500.00	6,415.87	15,243.00	7,668.35	73.58	138.66	51.73	1,844.59	4,929.38	2,317.11	2,174.56	142.55	16.254		
7,600.00	6,496.51	15,243.00	7,668.35	74.81	138.66	51.73	1,844.59	4,929.38	2,225.26	2,080.42	144.85	15.363		
7,700.00	6,577.15	15,243.00	7,668.35	76.04	138.66	51.73	1,844.59	4,929.38	2,134.15	1,986.85	147.30	14.488		
7,800.00	6,657.79	15,243.00	7,668.35	77.27	138.66	51.73	1,844.59	4,929.38	2,043.87	1,893.94	149.93	13.632		
7,900.00	6,738.43	15,243.00	7,668.35	78.50	138.66	51.73	1,844.59	4,929.38	1,954.53	1,801.79	152.74	12.796		
8,000.00	6,819.07	15,248.00	7,668.39	79.73	138.75	51.99	1,839.59	4,929.49	1,866.27	1,710.29	155.98	11.965		
8,100.00	6,899.71	15,221.84	7,668.19	80.96	138.29	50.58	1,865.74	4,928.90	1,779.14	1,621.12	158.03	11.259		
8,200.00	6,980.35	15,195.68	7,667.99	82.18	137.83	49.12	1,891.89	4,928.31	1,693.03	1,532.81	160.22	10.567		
8,240.58	7,013.07	15,190.93	7,667.91	82.68	137.75	48.52	1,902.50	4,928.07	1,658.42	1,497.17	161.25	10.285		
8,250.00	7,020.68	15,193.32	7,667.89	82.80	137.79	45.79	1,904.89	4,928.02	1,650.39	1,488.85	161.54	10.216		
8,300.00	7,061.63	15,176.47	7,667.85	83.40	137.50	30.81	1,911.10	4,927.89	1,607.54	1,444.75	162.79	9.875		
8,350.00	7,103.23	15,171.97	7,667.83	83.97	137.42	14.85	1,915.60	4,927.79	1,564.47	1,400.32	164.15	9.530		
8,400.00	7,145.18	15,170.68	7,667.83	84.51	137.40	-1.27	1,916.89	4,927.77	1,521.56	1,356.04	165.52	9.193		
8,450.00	7,187.16	15,172.71	7,667.84	85.01	137.44	-16.78	1,914.86	4,927.81	1,479.17	1,312.29	166.88	8.864		
8,500.00	7,228.84	15,178.12	7,667.86	85.46	137.53	-31.07	1,909.45	4,927.92	1,437.65	1,269.43	168.22	8.546		
8,550.00	7,269.91	15,189.31	7,667.92	85.86	137.72	-43.79	1,900.88	4,928.11	1,397.38	1,227.81	169.57	8.241		
8,600.00	7,310.05	15,202.37	7,668.04	86.20	137.95	-54.58	1,885.21	4,928.46	1,358.68	1,187.68	171.00	7.945		
8,650.00	7,348.97	15,222.12	7,668.19	86.50	138.30	-63.70	1,865.47	4,928.91	1,321.83	1,149.35	172.48	7.664		
8,700.00	7,386.36	15,245.79	7,668.37	86.74	138.71	-71.30	1,841.80	4,929.44	1,287.10	1,113.16	173.94	7.400		
8,750.00	7,421.94	15,243.00	7,668.35	86.93	138.66	-78.72	1,844.59	4,929.38	1,255.09	1,081.51	173.58	7.231		
8,800.00	7,455.44	15,243.00	7,668.35	87.07	138.66	-84.76	1,844.59	4,929.38	1,226.43	1,053.37	173.06	7.087		
8,850.00	7,486.61	15,243.00	7,668.35	87.16	138.66	-89.68	1,844.59	4,929.38	1,201.59	1,029.37	172.22	6.977		
8,900.00	7,515.20	15,243.00	7,668.35	87.20	138.66	-93.64	1,844.59	4,929.38	1,181.01	1,009.92	171.09	6.903		
8,950.00	7,541.00	15,243.00	7,668.35	87.21	138.66	-96.75	1,844.59	4,929.38	1,165.07	995.36	169.72	6.865		
9,000.00	7,563.81	15,243.00	7,668.35	87.17	138.66	-99.10	1,844.59	4,929.38	1,154.09	985.92	168.18	6.862 SF		
9,050.00	7,583.47	15,243.00	7,668.35	87.10	138.66	-100.77	1,844.59	4,929.38	1,148.29	981.73	166.56	6.894 ES		
9,079.58	7,593.55	15,243.00	7,668.35	87.04	138.66	-101.45	1,844.59	4,929.38	1,147.36	981.75	165.62	6.928 CC		
9,100.00	7,599.81	15,243.00	7,668.35	87.00	138.66	-101.80	1,844.59	4,929.38	1,147.81	982.83	164.97	6.958		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ FRONT RANGE FARMS 15N-14HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 16-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,150.00	7,612.72	15,243.00	7,668.35	86.88	138.66	-102.21	1,844.59	4,929.38	1,152.63	989.15	163.49	7.050		
9,200.00	7,622.09	15,243.00	7,668.35	86.72	138.66	-102.02	1,844.59	4,929.38	1,162.68	1,000.53	162.15	7.170		
9,250.00	7,627.87	15,243.00	7,668.35	86.55	138.66	-101.22	1,844.59	4,929.38	1,177.73	1,016.76	160.97	7.316		
9,303.98	7,630.00	15,243.00	7,668.35	86.35	138.66	-99.62	1,844.59	4,929.38	1,199.25	1,039.39	159.86	7.502		
9,400.00	7,630.00	15,243.00	7,668.35	85.99	138.66	-99.62	1,844.59	4,929.38	1,245.11	1,086.79	158.32	7.865		
9,500.00	7,630.00	15,243.00	7,668.35	85.62	138.66	-99.62	1,844.59	4,929.38	1,298.70	1,141.55	157.16	8.264		
9,600.00	7,630.00	15,243.00	7,668.35	85.28	138.66	-99.62	1,844.59	4,929.38	1,357.56	1,201.36	156.20	8.691		
9,700.00	7,630.00	15,243.00	7,668.35	84.95	138.66	-99.62	1,844.59	4,929.38	1,421.02	1,265.73	155.29	9.150		
9,800.00	7,630.00	15,243.00	7,668.35	84.64	138.66	-99.62	1,844.59	4,929.38	1,488.50	1,334.13	154.38	9.642		
9,900.00	7,630.00	15,243.00	7,668.35	84.34	138.66	-99.62	1,844.59	4,929.38	1,559.48	1,406.05	153.43	10.164		
10,000.00	7,630.00	15,243.00	7,668.35	84.06	138.66	-99.62	1,844.59	4,929.38	1,633.50	1,481.05	152.45	10.715		
10,100.00	7,630.00	15,243.00	7,668.35	83.80	138.66	-99.62	1,844.59	4,929.38	1,710.16	1,558.72	151.44	11.292		
10,200.00	7,630.00	15,243.00	7,668.35	83.56	138.66	-99.62	1,844.59	4,929.38	1,789.13	1,638.71	150.43	11.894		
10,300.00	7,630.00	15,243.00	7,668.35	83.33	138.66	-99.62	1,844.59	4,929.38	1,870.12	1,720.70	149.42	12.516		
10,400.00	7,630.00	15,243.00	7,668.35	83.12	138.66	-99.62	1,844.59	4,929.38	1,952.86	1,804.45	148.42	13.158		
10,500.00	7,630.00	15,243.00	7,668.35	82.92	138.66	-99.62	1,844.59	4,929.38	2,037.16	1,889.72	147.44	13.817		
10,600.00	7,630.00	15,243.00	7,668.35	82.75	138.66	-99.62	1,844.59	4,929.38	2,122.82	1,976.33	146.49	14.492		
10,700.00	7,630.00	15,243.00	7,668.35	82.59	138.66	-99.62	1,844.59	4,929.38	2,209.68	2,064.11	145.57	15.180		
10,800.00	7,630.00	15,243.00	7,668.35	82.45	138.66	-99.62	1,844.59	4,929.38	2,297.61	2,152.93	144.69	15.880		
10,900.00	7,630.00	15,243.00	7,668.35	82.33	138.66	-99.62	1,844.59	4,929.38	2,386.50	2,242.66	143.84	16.591		
11,000.00	7,630.00	15,243.00	7,668.35	82.22	138.66	-99.62	1,844.59	4,929.38	2,476.23	2,333.20	143.03	17.313		
11,100.00	7,630.00	15,243.00	7,668.35	82.14	138.66	-99.62	1,844.59	4,929.38	2,566.72	2,424.46	142.26	18.043		
11,200.00	7,630.00	15,243.00	7,668.35	82.08	138.66	-99.62	1,844.59	4,929.38	2,657.89	2,516.37	141.52	18.780		
11,300.00	7,630.00	15,243.00	7,668.35	82.04	138.66	-99.62	1,844.59	4,929.38	2,749.68	2,608.85	140.83	19.525		
11,400.00	7,630.00	15,243.00	7,668.35	82.02	138.66	-99.62	1,844.59	4,929.38	2,842.02	2,701.85	140.16	20.276		
11,500.00	7,630.00	15,243.00	7,668.35	82.03	138.66	-99.62	1,844.59	4,929.38	2,934.86	2,795.33	139.53	21.033		
11,600.00	7,630.00	15,243.00	7,668.35	82.06	138.66	-99.62	1,844.59	4,929.38	3,028.16	2,889.22	138.94	21.795		
11,700.00	7,630.00	15,243.00	7,668.35	82.12	138.66	-99.62	1,844.59	4,929.38	3,121.87	2,983.50	138.37	22.562		
11,800.00	7,630.00	15,243.00	7,668.35	82.21	138.66	-99.62	1,844.59	4,929.38	3,215.96	3,078.13	137.83	23.332		
11,900.00	7,630.00	15,243.00	7,668.35	82.33	138.66	-99.62	1,844.59	4,929.38	3,310.40	3,173.08	137.32	24.106		
12,000.00	7,630.00	15,243.00	7,668.35	82.48	138.66	-99.62	1,844.59	4,929.38	3,405.16	3,268.32	136.84	24.884		
12,100.00	7,630.00	15,243.00	7,668.35	82.66	138.66	-99.62	1,844.59	4,929.38	3,500.20	3,363.82	136.38	25.664		
12,200.00	7,630.00	15,243.00	7,668.35	82.88	138.66	-99.62	1,844.59	4,929.38	3,595.52	3,459.57	135.95	26.448		
12,300.00	7,630.00	15,243.00	7,668.35	83.14	138.66	-99.62	1,844.59	4,929.38	3,691.09	3,555.55	135.54	27.233		
12,400.00	7,630.00	15,243.00	7,668.35	83.44	138.66	-99.62	1,844.59	4,929.38	3,786.88	3,651.73	135.15	28.021		
12,500.00	7,630.00	15,243.00	7,668.35	83.79	138.66	-99.62	1,844.59	4,929.38	3,882.88	3,748.11	134.77	28.810		
12,600.00	7,630.00	15,243.00	7,668.35	84.18	138.66	-99.62	1,844.59	4,929.38	3,979.09	3,844.67	134.42	29.602		
12,700.00	7,630.00	15,243.00	7,668.35	84.61	138.66	-99.62	1,844.59	4,929.38	4,075.47	3,941.39	134.09	30.395		
12,800.00	7,630.00	15,243.00	7,668.35	85.10	138.66	-99.62	1,844.59	4,929.38	4,172.03	4,038.26	133.77	31.189		
12,900.00	7,630.00	15,243.00	7,668.35	85.64	138.66	-99.62	1,844.59	4,929.38	4,268.74	4,135.28	133.46	31.984		
13,000.00	7,630.00	15,243.00	7,668.35	86.22	138.66	-99.62	1,844.59	4,929.38	4,365.60	4,232.43	133.18	32.781		
13,100.00	7,630.00	15,243.00	7,668.35	86.86	138.66	-99.62	1,844.59	4,929.38	4,462.60	4,329.70	132.90	33.578		
13,200.00	7,630.00	15,243.00	7,668.35	87.56	138.66	-99.62	1,844.59	4,929.38	4,559.73	4,427.09	132.64	34.376		
13,300.00	7,630.00	15,243.00	7,668.35	88.30	138.66	-99.62	1,844.59	4,929.38	4,656.98	4,524.59	132.39	35.175		
13,400.00	7,630.00	15,243.00	7,668.35	89.10	138.66	-99.62	1,844.59	4,929.38	4,754.35	4,622.19	132.16	35.975		
13,500.00	7,630.00	15,243.00	7,668.35	89.94	138.66	-99.62	1,844.59	4,929.38	4,851.82	4,719.89	131.93	36.775		
13,600.00	7,630.00	15,243.00	7,668.35	90.84	138.66	-99.62	1,844.59	4,929.38	4,949.40	4,817.68	131.72	37.576		
13,700.00	7,630.00	15,243.00	7,668.35	91.78	138.66	-99.62	1,844.59	4,929.38	5,047.06	4,915.55	131.51	38.377		
13,800.00	7,630.00	15,243.00	7,668.35	92.77	138.66	-99.62	1,844.59	4,929.38	5,144.82	5,013.50	131.32	39.178		
13,900.00	7,630.00	15,243.00	7,668.35	93.79	138.66	-99.62	1,844.59	4,929.38	5,242.66	5,111.53	131.13	39.979		
14,000.00	7,630.00	15,243.00	7,668.35	94.86	138.66	-99.62	1,844.59	4,929.38	5,340.59	5,209.63	130.96	40.781		
14,100.00	7,630.00	15,243.00	7,668.35	95.97	138.66	-99.62	1,844.59	4,929.38	5,438.59	5,307.80	130.79	41.583		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ FRONT RANGE FARMS 15N-14HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 16-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,630.00	15,243.00	7,668.35	97.11	138.66	-99.62	1,844.59	4,929.38	5,536.65	5,406.03	130.63	42.385		
14,300.00	7,630.00	15,243.00	7,668.35	98.28	138.66	-99.62	1,844.59	4,929.38	5,634.79	5,504.32	130.47	43.188		
14,400.00	7,630.00	15,243.00	7,668.35	99.48	138.66	-99.62	1,844.59	4,929.38	5,732.99	5,602.67	130.33	43.990		
14,500.00	7,630.00	15,243.00	7,668.35	100.72	138.66	-99.62	1,844.59	4,929.38	5,831.26	5,701.07	130.19	44.792		
14,600.00	7,630.00	15,243.00	7,668.35	101.97	138.66	-99.62	1,844.59	4,929.38	5,929.58	5,799.53	130.05	45.594		
14,700.00	7,630.00	15,243.00	7,668.35	103.26	138.66	-99.62	1,844.59	4,929.38	6,027.95	5,898.03	129.92	46.396		
14,800.00	7,630.00	15,243.00	7,668.35	104.56	138.66	-99.62	1,844.59	4,929.38	6,126.38	5,996.58	129.80	47.198		
14,900.00	7,630.00	15,243.00	7,668.35	105.89	138.66	-99.62	1,844.59	4,929.38	6,224.86	6,095.18	129.68	48.000		
15,000.00	7,630.00	15,243.00	7,668.35	107.24	138.66	-99.62	1,844.59	4,929.38	6,323.39	6,193.82	129.57	48.802		
15,100.00	7,630.00	15,243.00	7,668.35	108.60	138.66	-99.62	1,844.59	4,929.38	6,421.96	6,292.50	129.47	49.603		
15,200.00	7,630.00	15,243.00	7,668.35	109.98	138.66	-99.62	1,844.59	4,929.38	6,520.58	6,391.21	129.37	50.404		
15,300.00	7,630.00	15,243.00	7,668.35	111.38	138.66	-99.62	1,844.59	4,929.38	6,619.23	6,489.97	129.27	51.206		
15,400.00	7,630.00	15,243.00	7,668.35	112.79	138.66	-99.62	1,844.59	4,929.38	6,717.93	6,588.76	129.17	52.006		
15,500.00	7,630.00	15,243.00	7,668.35	114.22	138.66	-99.62	1,844.59	4,929.38	6,816.67	6,687.58	129.09	52.807		
15,600.00	7,630.00	15,243.00	7,668.35	115.66	138.66	-99.62	1,844.59	4,929.38	6,915.44	6,786.44	129.00	53.607		
15,700.00	7,630.00	15,243.00	7,668.35	117.11	138.66	-99.62	1,844.59	4,929.38	7,014.24	6,885.32	128.92	54.407		
15,800.00	7,630.00	15,243.00	7,668.35	118.57	138.66	-99.62	1,844.59	4,929.38	7,113.08	6,984.24	128.84	55.207		
15,900.00	7,630.00	15,243.00	7,668.35	120.05	138.66	-99.62	1,844.59	4,929.38	7,211.96	7,083.19	128.77	56.007		
16,000.00	7,630.00	15,243.00	7,668.35	121.53	138.66	-99.62	1,844.59	4,929.38	7,310.86	7,182.16	128.70	56.806		
16,100.00	7,630.00	15,243.00	7,668.35	123.03	138.66	-99.62	1,844.59	4,929.38	7,409.79	7,281.16	128.63	57.604		
16,200.00	7,630.00	15,243.00	7,668.35	124.53	138.66	-99.62	1,844.59	4,929.38	7,508.75	7,380.18	128.57	58.403		
16,300.00	7,630.00	15,243.00	7,668.35	126.04	138.66	-99.62	1,844.59	4,929.38	7,607.74	7,479.23	128.51	59.201		
16,400.00	7,630.00	15,243.00	7,668.35	127.56	138.66	-99.62	1,844.59	4,929.38	7,706.75	7,578.30	128.45	59.999		
16,500.00	7,630.00	15,243.00	7,668.35	129.09	138.66	-99.62	1,844.59	4,929.38	7,805.79	7,677.40	128.39	60.796		
16,600.00	7,630.00	15,243.00	7,668.35	130.62	138.66	-99.62	1,844.59	4,929.38	7,904.85	7,776.51	128.34	61.593		
16,700.00	7,630.00	15,243.00	7,668.35	132.16	138.66	-99.62	1,844.59	4,929.38	8,003.94	7,875.65	128.29	62.389		
16,800.00	7,630.00	15,243.00	7,668.35	133.71	138.66	-99.62	1,844.59	4,929.38	8,103.05	7,974.80	128.24	63.185		
16,900.00	7,630.00	15,243.00	7,668.35	135.27	138.66	-99.62	1,844.59	4,929.38	8,202.18	8,073.98	128.20	63.981		
17,000.00	7,630.00	15,243.00	7,668.35	136.83	138.66	-99.62	1,844.59	4,929.38	8,301.33	8,173.17	128.15	64.776		
17,100.00	7,630.00	15,243.00	7,668.35	138.39	138.66	-99.62	1,844.59	4,929.38	8,400.50	8,272.39	128.11	65.571		
17,200.00	7,630.00	15,243.00	7,668.35	139.97	138.66	-99.62	1,844.59	4,929.38	8,499.69	8,371.61	128.07	66.366		
17,300.00	7,630.00	15,243.00	7,668.35	141.54	138.66	-99.62	1,844.59	4,929.38	8,598.90	8,470.86	128.04	67.159		
17,400.00	7,630.00	15,243.00	7,668.35	143.12	138.66	-99.62	1,844.59	4,929.38	8,698.13	8,570.12	128.00	67.953		
17,500.00	7,630.00	15,243.00	7,668.35	144.71	138.66	-99.62	1,844.59	4,929.38	8,797.37	8,669.40	127.97	68.746		
17,600.00	7,630.00	15,243.00	7,668.35	146.30	138.66	-99.62	1,844.59	4,929.38	8,896.63	8,768.69	127.94	69.539		
17,700.00	7,630.00	15,243.00	7,668.35	147.90	138.66	-99.62	1,844.59	4,929.38	8,995.91	8,868.00	127.91	70.331		
17,800.00	7,630.00	15,243.00	7,668.35	149.50	138.66	-99.62	1,844.59	4,929.38	9,095.20	8,967.32	127.88	71.122		
17,900.00	7,630.00	15,243.00	7,668.35	151.10	138.66	-99.62	1,844.59	4,929.38	9,194.51	9,066.66	127.86	71.913		
18,000.00	7,630.00	15,243.00	7,668.35	152.71	138.66	-99.62	1,844.59	4,929.38	9,293.84	9,166.01	127.83	72.704		
18,100.00	7,630.00	15,243.00	7,668.35	154.32	138.66	-99.62	1,844.59	4,929.38	9,393.18	9,265.37	127.81	73.494		
18,200.00	7,630.00	15,243.00	7,668.35	155.94	138.66	-99.62	1,844.59	4,929.38	9,492.53	9,364.74	127.79	74.284		
18,300.00	7,630.00	15,243.00	7,668.35	157.56	138.66	-99.62	1,844.59	4,929.38	9,591.89	9,464.13	127.77	75.073		
18,400.00	7,630.00	15,243.00	7,668.35	159.18	138.66	-99.62	1,844.59	4,929.38	9,691.27	9,563.52	127.75	75.862		
18,500.00	7,630.00	15,243.00	7,668.35	160.80	138.66	-99.62	1,844.59	4,929.38	9,790.66	9,662.93	127.73	76.650		
18,600.00	7,630.00	15,243.00	7,668.35	162.43	138.66	-99.62	1,844.59	4,929.38	9,890.07	9,762.35	127.72	77.438		
18,700.00	7,630.00	15,243.00	7,668.35	164.06	138.66	-99.62	1,844.59	4,929.38	9,989.48	9,861.78	127.70	78.225		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ FRONT RANGE FARMS 36N-14HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 16-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	15,134.00	7,566.57	0.00	139.08	65.60	1,824.04	4,021.11	8,882.75					
100.00	100.00	15,134.00	7,566.57	0.13	139.08	65.60	1,824.04	4,021.11	8,796.12	8,710.51	85.60	102.753		
200.00	200.00	15,134.00	7,566.57	0.49	139.08	65.60	1,824.04	4,021.11	8,709.77	8,623.79	85.98	101.302		
300.00	300.00	15,134.00	7,566.57	0.85	139.08	65.60	1,824.04	4,021.11	8,623.72	8,537.34	86.38	99.833		
400.00	400.00	15,134.00	7,566.57	1.21	139.08	65.60	1,824.04	4,021.11	8,537.98	8,451.17	86.81	98.348		
500.00	500.00	15,134.00	7,566.57	1.57	139.08	65.60	1,824.04	4,021.11	8,452.55	8,365.27	87.27	96.850		
600.00	600.00	15,134.00	7,566.57	1.93	139.08	65.60	1,824.04	4,021.11	8,367.44	8,279.68	87.76	95.341		
700.00	700.00	15,134.00	7,566.57	2.29	139.08	65.60	1,824.04	4,021.11	8,282.67	8,194.39	88.28	93.825		
800.00	799.98	15,134.00	7,566.57	2.64	139.08	4.04	1,824.04	4,021.11	8,197.31	8,108.49	88.82	92.292		
900.00	899.84	15,134.00	7,566.57	2.99	139.08	4.29	1,824.04	4,021.11	8,110.51	8,021.14	89.37	90.753		
1,000.00	999.45	15,134.00	7,566.57	3.35	139.08	4.58	1,824.04	4,021.11	8,022.30	7,932.40	89.91	89.230		
1,100.00	1,098.70	15,134.00	7,566.57	3.73	139.08	4.92	1,824.04	4,021.11	7,932.77	7,842.34	90.43	87.724		
1,200.00	1,197.47	15,134.00	7,566.57	4.11	139.08	5.30	1,824.04	4,021.11	7,841.96	7,751.03	90.93	86.238		
1,300.00	1,295.62	15,134.00	7,566.57	4.53	139.08	5.75	1,824.04	4,021.11	7,749.96	7,658.54	91.42	84.771		
1,400.00	1,393.06	15,134.00	7,566.57	4.97	139.08	6.29	1,824.04	4,021.11	7,656.83	7,564.94	91.89	83.327		
1,500.00	1,489.64	15,134.00	7,566.57	5.44	139.08	6.94	1,824.04	4,021.11	7,562.64	7,470.31	92.33	81.905		
1,600.00	1,585.27	15,134.00	7,566.57	5.95	139.08	7.73	1,824.04	4,021.11	7,467.48	7,374.73	92.76	80.507		
1,700.00	1,679.82	15,134.00	7,566.57	6.51	139.08	8.72	1,824.04	4,021.11	7,371.42	7,278.27	93.15	79.133		
1,800.00	1,773.17	15,134.00	7,566.57	7.13	139.08	9.98	1,824.04	4,021.11	7,274.55	7,181.03	93.52	77.785		
1,900.00	1,865.21	15,134.00	7,566.57	7.79	139.08	11.67	1,824.04	4,021.11	7,176.95	7,083.09	93.86	76.463		
2,000.00	1,955.84	15,134.00	7,566.57	8.51	139.08	14.00	1,824.04	4,021.11	7,078.72	6,984.55	94.17	75.168		
2,100.00	2,044.94	15,134.00	7,566.57	9.30	139.08	17.43	1,824.04	4,021.11	6,979.95	6,885.50	94.45	73.901		
2,200.00	2,132.39	15,134.00	7,566.57	10.15	139.08	22.90	1,824.04	4,021.11	6,880.73	6,786.04	94.69	72.664		
2,300.00	2,218.11	15,134.00	7,566.57	11.07	139.08	32.67	1,824.04	4,021.11	6,781.19	6,686.29	94.90	71.456		
2,400.00	2,301.97	15,134.00	7,566.57	12.06	139.08	52.71	1,824.04	4,021.11	6,681.42	6,586.35	95.07	70.279		
2,500.00	2,383.88	15,134.00	7,566.57	13.11	139.08	91.47	1,824.04	4,021.11	6,581.53	6,486.33	95.20	69.133		
2,512.74	2,394.17	15,134.00	7,566.57	13.25	139.08	97.13	1,824.04	4,021.11	6,568.81	6,473.59	95.22	68.989		
2,600.00	2,464.54	15,134.00	7,566.57	14.22	139.08	97.13	1,824.04	4,021.11	6,481.64	6,386.33	95.31	68.007		
2,700.00	2,545.18	15,134.00	7,566.57	15.35	139.08	97.13	1,824.04	4,021.11	6,381.74	6,286.32	95.42	66.881		
2,800.00	2,625.82	15,134.00	7,566.57	16.50	139.08	97.13	1,824.04	4,021.11	6,281.85	6,186.31	95.54	65.754		
2,900.00	2,706.45	15,134.00	7,566.57	17.65	139.08	97.13	1,824.04	4,021.11	6,181.96	6,086.31	95.66	64.626		
3,000.00	2,787.09	15,134.00	7,566.57	18.82	139.08	97.13	1,824.04	4,021.11	6,082.08	5,986.30	95.78	63.499		
3,100.00	2,867.73	15,134.00	7,566.57	19.99	139.08	97.13	1,824.04	4,021.11	5,982.20	5,886.29	95.91	62.371		
3,200.00	2,948.37	15,134.00	7,566.57	21.17	139.08	97.13	1,824.04	4,021.11	5,882.33	5,786.28	96.05	61.243		
3,300.00	3,029.01	15,134.00	7,566.57	22.36	139.08	97.13	1,824.04	4,021.11	5,782.45	5,686.26	96.19	60.115		
3,400.00	3,109.65	15,134.00	7,566.57	23.55	139.08	97.13	1,824.04	4,021.11	5,682.59	5,586.25	96.34	58.987		
3,500.00	3,190.29	15,134.00	7,566.57	24.74	139.08	97.13	1,824.04	4,021.11	5,582.73	5,486.24	96.49	57.860		
3,600.00	3,270.93	15,134.00	7,566.57	25.94	139.08	97.13	1,824.04	4,021.11	5,482.87	5,386.22	96.64	56.732		
3,700.00	3,351.57	15,134.00	7,566.57	27.14	139.08	97.13	1,824.04	4,021.11	5,383.02	5,286.21	96.81	55.606		
3,800.00	3,432.21	15,134.00	7,566.57	28.35	139.08	97.13	1,824.04	4,021.11	5,283.17	5,186.20	96.98	54.480		
3,900.00	3,512.85	15,134.00	7,566.57	29.56	139.08	97.13	1,824.04	4,021.11	5,183.33	5,086.18	97.15	53.354		
4,000.00	3,593.49	15,134.00	7,566.57	30.76	139.08	97.13	1,824.04	4,021.11	5,083.50	4,986.17	97.33	52.230		
4,100.00	3,674.13	15,134.00	7,566.57	31.97	139.08	97.13	1,824.04	4,021.11	4,983.67	4,886.16	97.52	51.106		
4,200.00	3,754.77	15,134.00	7,566.57	33.19	139.08	97.13	1,824.04	4,021.11	4,883.85	4,786.14	97.71	49.984		
4,300.00	3,835.41	15,134.00	7,566.57	34.40	139.08	97.13	1,824.04	4,021.11	4,784.04	4,686.13	97.91	48.862		
4,400.00	3,916.05	15,134.00	7,566.57	35.62	139.08	97.13	1,824.04	4,021.11	4,684.23	4,586.12	98.12	47.742		
4,500.00	3,996.69	15,134.00	7,566.57	36.83	139.08	97.13	1,824.04	4,021.11	4,584.44	4,486.11	98.33	46.623		
4,600.00	4,077.33	15,134.00	7,566.57	38.05	139.08	97.13	1,824.04	4,021.11	4,484.65	4,386.10	98.55	45.506		
4,700.00	4,157.96	15,134.00	7,566.57	39.27	139.08	97.13	1,824.04	4,021.11	4,384.88	4,286.09	98.78	44.390		
4,800.00	4,238.60	15,134.00	7,566.57	40.49	139.08	97.13	1,824.04	4,021.11	4,285.11	4,186.09	99.02	43.276		
4,900.00	4,319.24	15,134.00	7,566.57	41.71	139.08	97.13	1,824.04	4,021.11	4,185.35	4,086.09	99.27	42.163		
5,000.00	4,399.88	15,134.00	7,566.57	42.93	139.08	97.13	1,824.04	4,021.11	4,085.61	3,986.09	99.52	41.052		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ FRONT RANGE FARMS 36N-14HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 16-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,480.52	15,134.00	7,566.57	44.15	139.08	97.13	1,824.04	4,021.11	3,985.88	3,886.09	99.79	39.944		
5,200.00	4,561.16	15,134.00	7,566.57	45.37	139.08	97.13	1,824.04	4,021.11	3,886.16	3,786.10	100.06	38.836		
5,300.00	4,641.80	15,134.00	7,566.57	46.59	139.08	97.13	1,824.04	4,021.11	3,786.46	3,686.11	100.35	37.732		
5,400.00	4,722.44	15,134.00	7,566.57	47.82	139.08	97.13	1,824.04	4,021.11	3,686.78	3,586.12	100.65	36.629		
5,500.00	4,803.08	15,134.00	7,566.57	49.04	139.08	97.13	1,824.04	4,021.11	3,587.11	3,486.14	100.97	35.528		
5,600.00	4,883.72	15,134.00	7,566.57	50.27	139.08	97.13	1,824.04	4,021.11	3,487.46	3,386.17	101.29	34.430		
5,700.00	4,964.36	15,134.00	7,566.57	51.49	139.08	97.13	1,824.04	4,021.11	3,387.83	3,286.19	101.63	33.333		
5,800.00	5,045.00	15,134.00	7,566.57	52.71	139.08	97.13	1,824.04	4,021.11	3,288.22	3,186.23	101.99	32.240		
5,900.00	5,125.64	15,134.00	7,566.57	53.94	139.08	97.13	1,824.04	4,021.11	3,188.64	3,086.27	102.37	31.149		
6,000.00	5,206.28	15,134.00	7,566.57	55.17	139.08	97.13	1,824.04	4,021.11	3,089.09	2,986.32	102.76	30.060		
6,100.00	5,286.92	15,134.00	7,566.57	56.39	139.08	97.13	1,824.04	4,021.11	2,989.56	2,886.38	103.18	28.974		
6,200.00	5,367.56	15,134.00	7,566.57	57.62	139.08	97.13	1,824.04	4,021.11	2,890.07	2,786.45	103.62	27.891		
6,300.00	5,448.20	15,134.00	7,566.57	58.84	139.08	97.13	1,824.04	4,021.11	2,790.62	2,686.53	104.09	26.811		
6,400.00	5,528.84	15,134.00	7,566.57	60.07	139.08	97.13	1,824.04	4,021.11	2,691.20	2,586.62	104.58	25.733		
6,500.00	5,609.47	15,134.00	7,566.57	61.30	139.08	97.13	1,824.04	4,021.11	2,591.83	2,486.72	105.11	24.659		
6,600.00	5,690.11	15,134.00	7,566.57	62.53	139.08	97.13	1,824.04	4,021.11	2,492.51	2,386.84	105.67	23.588		
6,700.00	5,770.75	15,134.00	7,566.57	63.75	139.08	97.13	1,824.04	4,021.11	2,393.25	2,286.98	106.27	22.520		
6,800.00	5,851.39	15,134.00	7,566.57	64.98	139.08	97.13	1,824.04	4,021.11	2,294.05	2,187.13	106.92	21.456		
6,900.00	5,932.03	15,134.00	7,566.57	66.21	139.08	97.13	1,824.04	4,021.11	2,194.92	2,087.30	107.62	20.395		
7,000.00	6,012.67	15,134.00	7,566.57	67.44	139.08	97.13	1,824.04	4,021.11	2,095.88	1,987.50	108.38	19.338		
7,100.00	6,093.31	15,134.00	7,566.57	68.66	139.08	97.13	1,824.04	4,021.11	1,996.93	1,887.73	109.21	18.286		
7,200.00	6,173.95	15,134.00	7,566.57	69.89	139.08	97.13	1,824.04	4,021.11	1,898.10	1,787.98	110.11	17.237		
7,300.00	6,254.59	15,134.00	7,566.57	71.12	139.08	97.13	1,824.04	4,021.11	1,799.39	1,688.27	111.11	16.194		
7,400.00	6,335.23	15,134.00	7,566.57	72.35	139.08	97.13	1,824.04	4,021.11	1,700.83	1,588.61	112.22	15.156		
7,500.00	6,415.87	15,134.00	7,566.57	73.58	139.08	97.13	1,824.04	4,021.11	1,602.45	1,489.00	113.45	14.125		
7,600.00	6,496.51	15,134.00	7,566.57	74.81	139.08	97.13	1,824.04	4,021.11	1,504.28	1,389.45	114.83	13.100		
7,700.00	6,577.15	15,134.00	7,566.57	76.04	139.08	97.13	1,824.04	4,021.11	1,406.38	1,289.98	116.40	12.083		
7,800.00	6,657.79	15,134.00	7,566.57	77.27	139.08	97.13	1,824.04	4,021.11	1,308.79	1,190.61	118.18	11.075		
7,900.00	6,738.43	15,134.00	7,566.57	78.50	139.08	97.13	1,824.04	4,021.11	1,211.59	1,091.36	120.23	10.077		
8,000.00	6,819.07	15,131.64	7,566.52	79.73	139.04	97.01	1,826.40	4,021.07	1,114.89	992.45	122.43	9.106		
8,100.00	6,899.71	15,106.28	7,565.96	80.96	138.60	95.55	1,851.75	4,020.69	1,018.45	895.21	123.23	8.264		
8,200.00	6,980.35	15,080.92	7,565.40	82.18	138.16	93.81	1,877.10	4,020.30	922.07	797.88	124.18	7.425		
8,240.58	7,013.07	15,071.48	7,565.19	82.68	137.99	93.07	1,886.54	4,020.15	882.98	758.28	124.70	7.081		
8,250.00	7,020.68	15,069.40	7,565.15	82.80	137.96	90.46	1,888.62	4,020.12	873.89	749.06	124.83	7.000		
8,300.00	7,061.63	15,060.54	7,564.96	83.40	137.80	72.22	1,897.48	4,019.99	825.12	699.57	125.55	6.572		
8,350.00	7,103.23	15,055.49	7,564.86	83.97	137.71	40.46	1,902.53	4,019.92	775.72	649.39	126.33	6.141		
8,400.00	7,145.18	15,054.35	7,564.84	84.51	137.69	-8.73	1,903.67	4,019.91	726.06	598.90	127.16	5.710		
8,450.00	7,187.16	15,057.21	7,564.90	85.01	137.74	-47.69	1,900.81	4,019.95	676.53	548.46	128.07	5.282		
8,500.00	7,228.84	15,064.11	7,565.04	85.46	137.86	-69.78	1,893.91	4,020.05	627.52	498.44	129.08	4.862		
8,550.00	7,269.91	15,075.08	7,565.27	85.86	138.05	-83.85	1,882.94	4,020.21	579.43	449.23	130.20	4.450		
8,600.00	7,310.05	15,090.86	7,565.62	86.20	138.33	-93.84	1,867.17	4,020.45	532.64	401.07	131.57	4.048		
8,650.00	7,348.97	15,110.99	7,566.06	86.50	138.68	-101.37	1,847.05	4,020.76	487.52	354.34	133.19	3.660		
8,700.00	7,386.36	15,135.03	7,566.60	86.74	139.10	-107.17	1,823.01	4,021.13	444.43	309.39	135.04	3.291		
8,750.00	7,421.94	15,134.00	7,566.57	86.93	139.08	-113.31	1,824.04	4,021.11	404.74	273.02	131.72	3.073		
8,800.00	7,455.44	15,134.00	7,566.57	87.07	139.08	-118.02	1,824.04	4,021.11	370.60	243.09	127.51	2.906		
8,850.00	7,486.61	15,134.00	7,566.57	87.16	139.08	-121.67	1,824.04	4,021.11	343.97	220.05	123.92	2.776		
8,900.00	7,515.20	15,134.00	7,566.57	87.20	139.08	-124.46	1,824.04	4,021.11	326.91	203.33	123.58	2.645		
8,949.50	7,540.76	15,134.00	7,566.57	87.21	139.08	-126.51	1,824.04	4,021.11	321.09	195.72	125.37	2.561 CC		
8,950.00	7,541.00	15,134.00	7,566.57	87.21	139.08	-126.53	1,824.04	4,021.11	321.09	195.70	125.39	2.561 ES, SF		
9,000.00	7,563.81	15,134.00	7,566.57	87.17	139.08	-127.93	1,824.04	4,021.11	327.15	200.65	126.50	2.586		
9,050.00	7,583.47	15,134.00	7,566.57	87.10	139.08	-128.70	1,824.04	4,021.11	344.42	218.49	125.93	2.735		
9,100.00	7,599.81	15,134.00	7,566.57	87.00	139.08	-128.80	1,824.04	4,021.11	371.22	247.13	124.09	2.992		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ FRONT RANGE FARMS 36N-14HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 16-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,150.00	7,612.72	15,134.00	7,566.57	86.88	139.08	-128.13	1,824.04	4,021.11	405.49	283.73	121.76	3.330		
9,200.00	7,622.09	15,134.00	7,566.57	86.72	139.08	-126.49	1,824.04	4,021.11	445.28	325.75	119.53	3.725		
9,250.00	7,627.87	15,134.00	7,566.57	86.55	139.08	-123.42	1,824.04	4,021.11	488.97	371.29	117.68	4.155		
9,303.98	7,630.00	15,134.00	7,566.57	86.35	139.08	-117.40	1,824.04	4,021.11	539.11	422.93	116.18	4.640		
9,400.00	7,630.00	15,134.00	7,566.57	85.99	139.08	-117.40	1,824.04	4,021.11	631.03	516.69	114.34	5.519		
9,500.00	7,630.00	15,134.00	7,566.57	85.62	139.08	-117.40	1,824.04	4,021.11	727.89	614.81	113.07	6.437		
9,600.00	7,630.00	15,134.00	7,566.57	85.28	139.08	-117.40	1,824.04	4,021.11	825.49	713.24	112.25	7.354		
9,700.00	7,630.00	15,134.00	7,566.57	84.95	139.08	-117.40	1,824.04	4,021.11	923.61	811.90	111.71	8.268		
9,800.00	7,630.00	15,134.00	7,566.57	84.64	139.08	-117.40	1,824.04	4,021.11	1,022.09	910.73	111.36	9.178		
9,900.00	7,630.00	15,134.00	7,566.57	84.34	139.08	-117.40	1,824.04	4,021.11	1,120.85	1,009.70	111.14	10.085		
10,000.00	7,630.00	15,134.00	7,566.57	84.06	139.08	-117.40	1,824.04	4,021.11	1,219.80	1,108.79	111.01	10.988		
10,100.00	7,630.00	15,134.00	7,566.57	83.80	139.08	-117.40	1,824.04	4,021.11	1,318.91	1,207.98	110.93	11.889		
10,200.00	7,630.00	15,134.00	7,566.57	83.56	139.08	-117.40	1,824.04	4,021.11	1,418.15	1,307.25	110.90	12.787		
10,300.00	7,630.00	15,134.00	7,566.57	83.33	139.08	-117.40	1,824.04	4,021.11	1,517.49	1,406.59	110.90	13.684		
10,400.00	7,630.00	15,134.00	7,566.57	83.12	139.08	-117.40	1,824.04	4,021.11	1,616.91	1,505.99	110.92	14.578		
10,500.00	7,630.00	15,134.00	7,566.57	82.92	139.08	-117.40	1,824.04	4,021.11	1,716.39	1,605.45	110.95	15.471		
10,600.00	7,630.00	15,134.00	7,566.57	82.75	139.08	-117.40	1,824.04	4,021.11	1,815.94	1,704.95	110.99	16.362		
10,700.00	7,630.00	15,134.00	7,566.57	82.59	139.08	-117.40	1,824.04	4,021.11	1,915.53	1,804.50	111.03	17.252		
10,800.00	7,630.00	15,134.00	7,566.57	82.45	139.08	-117.40	1,824.04	4,021.11	2,015.16	1,904.08	111.08	18.141		
10,900.00	7,630.00	15,134.00	7,566.57	82.33	139.08	-117.40	1,824.04	4,021.11	2,114.83	2,003.69	111.13	19.029		
11,000.00	7,630.00	15,134.00	7,566.57	82.22	139.08	-117.40	1,824.04	4,021.11	2,214.52	2,103.33	111.19	19.917		
11,100.00	7,630.00	15,134.00	7,566.57	82.14	139.08	-117.40	1,824.04	4,021.11	2,314.24	2,203.00	111.24	20.803		
11,200.00	7,630.00	15,134.00	7,566.57	82.08	139.08	-117.40	1,824.04	4,021.11	2,413.99	2,302.69	111.30	21.689		
11,300.00	7,630.00	15,134.00	7,566.57	82.04	139.08	-117.40	1,824.04	4,021.11	2,513.75	2,402.40	111.35	22.575		
11,400.00	7,630.00	15,134.00	7,566.57	82.02	139.08	-117.40	1,824.04	4,021.11	2,613.54	2,502.13	111.41	23.460		
11,500.00	7,630.00	15,134.00	7,566.57	82.03	139.08	-117.40	1,824.04	4,021.11	2,713.34	2,601.88	111.46	24.344		
11,600.00	7,630.00	15,134.00	7,566.57	82.06	139.08	-117.40	1,824.04	4,021.11	2,813.15	2,701.64	111.51	25.228		
11,700.00	7,630.00	15,134.00	7,566.57	82.12	139.08	-117.40	1,824.04	4,021.11	2,912.98	2,801.42	111.56	26.111		
11,800.00	7,630.00	15,134.00	7,566.57	82.21	139.08	-117.40	1,824.04	4,021.11	3,012.82	2,901.20	111.61	26.994		
11,900.00	7,630.00	15,134.00	7,566.57	82.33	139.08	-117.40	1,824.04	4,021.11	3,112.66	3,001.00	111.66	27.876		
12,000.00	7,630.00	15,134.00	7,566.57	82.48	139.08	-117.40	1,824.04	4,021.11	3,212.52	3,100.81	111.71	28.758		
12,100.00	7,630.00	15,134.00	7,566.57	82.66	139.08	-117.40	1,824.04	4,021.11	3,312.39	3,200.63	111.75	29.640		
12,200.00	7,630.00	15,134.00	7,566.57	82.88	139.08	-117.40	1,824.04	4,021.11	3,412.26	3,300.46	111.80	30.521		
12,300.00	7,630.00	15,134.00	7,566.57	83.14	139.08	-117.40	1,824.04	4,021.11	3,512.14	3,400.30	111.84	31.403		
12,400.00	7,630.00	15,134.00	7,566.57	83.44	139.08	-117.40	1,824.04	4,021.11	3,612.03	3,500.15	111.89	32.283		
12,500.00	7,630.00	15,134.00	7,566.57	83.79	139.08	-117.40	1,824.04	4,021.11	3,711.93	3,600.00	111.93	33.164		
12,600.00	7,630.00	15,134.00	7,566.57	84.18	139.08	-117.40	1,824.04	4,021.11	3,811.82	3,699.86	111.97	34.044		
12,700.00	7,630.00	15,134.00	7,566.57	84.61	139.08	-117.40	1,824.04	4,021.11	3,911.73	3,799.72	112.01	34.923		
12,800.00	7,630.00	15,134.00	7,566.57	85.10	139.08	-117.40	1,824.04	4,021.11	4,011.64	3,899.59	112.05	35.803		
12,900.00	7,630.00	15,134.00	7,566.57	85.64	139.08	-117.40	1,824.04	4,021.11	4,111.55	3,999.47	112.09	36.682		
13,000.00	7,630.00	15,134.00	7,566.57	86.22	139.08	-117.40	1,824.04	4,021.11	4,211.47	4,099.35	112.13	37.560		
13,100.00	7,630.00	15,134.00	7,566.57	86.86	139.08	-117.40	1,824.04	4,021.11	4,311.39	4,199.23	112.16	38.439		
13,200.00	7,630.00	15,134.00	7,566.57	87.56	139.08	-117.40	1,824.04	4,021.11	4,411.32	4,299.12	112.20	39.317		
13,300.00	7,630.00	15,134.00	7,566.57	88.30	139.08	-117.40	1,824.04	4,021.11	4,511.25	4,399.01	112.23	40.195		
13,400.00	7,630.00	15,134.00	7,566.57	89.10	139.08	-117.40	1,824.04	4,021.11	4,611.18	4,498.91	112.27	41.072		
13,500.00	7,630.00	15,134.00	7,566.57	89.94	139.08	-117.40	1,824.04	4,021.11	4,711.11	4,598.81	112.30	41.949		
13,600.00	7,630.00	15,134.00	7,566.57	90.84	139.08	-117.40	1,824.04	4,021.11	4,811.05	4,698.71	112.34	42.826		
13,700.00	7,630.00	15,134.00	7,566.57	91.78	139.08	-117.40	1,824.04	4,021.11	4,910.99	4,798.62	112.37	43.703		
13,800.00	7,630.00	15,134.00	7,566.57	92.77	139.08	-117.40	1,824.04	4,021.11	5,010.93	4,898.53	112.41	44.579		
13,900.00	7,630.00	15,134.00	7,566.57	93.79	139.08	-117.40	1,824.04	4,021.11	5,110.88	4,998.44	112.44	45.455		
14,000.00	7,630.00	15,134.00	7,566.57	94.86	139.08	-117.40	1,824.04	4,021.11	5,210.82	5,098.35	112.47	46.330		
14,100.00	7,630.00	15,134.00	7,566.57	95.97	139.08	-117.40	1,824.04	4,021.11	5,310.77	5,198.27	112.50	47.205		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ FRONT RANGE FARMS 36N-14HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 16-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,630.00	15,134.00	7,566.57	97.11	139.08	-117.40	1,824.04	4,021.11	5,410.72	5,298.19	112.54	48.080		
14,300.00	7,630.00	15,134.00	7,566.57	98.28	139.08	-117.40	1,824.04	4,021.11	5,510.67	5,398.11	112.57	48.955		
14,400.00	7,630.00	15,134.00	7,566.57	99.48	139.08	-117.40	1,824.04	4,021.11	5,610.63	5,498.03	112.60	49.829		
14,500.00	7,630.00	15,134.00	7,566.57	100.72	139.08	-117.40	1,824.04	4,021.11	5,710.58	5,597.95	112.63	50.702		
14,600.00	7,630.00	15,134.00	7,566.57	101.97	139.08	-117.40	1,824.04	4,021.11	5,810.54	5,697.88	112.66	51.576		
14,700.00	7,630.00	15,134.00	7,566.57	103.26	139.08	-117.40	1,824.04	4,021.11	5,910.50	5,797.81	112.69	52.449		
14,800.00	7,630.00	15,134.00	7,566.57	104.56	139.08	-117.40	1,824.04	4,021.11	6,010.46	5,897.74	112.72	53.321		
14,900.00	7,630.00	15,134.00	7,566.57	105.89	139.08	-117.40	1,824.04	4,021.11	6,110.42	5,997.67	112.75	54.194		
15,000.00	7,630.00	15,134.00	7,566.57	107.24	139.08	-117.40	1,824.04	4,021.11	6,210.38	6,097.60	112.78	55.065		
15,100.00	7,630.00	15,134.00	7,566.57	108.60	139.08	-117.40	1,824.04	4,021.11	6,310.35	6,197.54	112.81	55.937		
15,200.00	7,630.00	15,134.00	7,566.57	109.98	139.08	-117.40	1,824.04	4,021.11	6,410.31	6,297.47	112.84	56.808		
15,300.00	7,630.00	15,134.00	7,566.57	111.38	139.08	-117.40	1,824.04	4,021.11	6,510.28	6,397.41	112.87	57.679		
15,400.00	7,630.00	15,134.00	7,566.57	112.79	139.08	-117.40	1,824.04	4,021.11	6,610.25	6,497.34	112.90	58.549		
15,500.00	7,630.00	15,134.00	7,566.57	114.22	139.08	-117.40	1,824.04	4,021.11	6,710.21	6,597.28	112.93	59.419		
15,600.00	7,630.00	15,134.00	7,566.57	115.66	139.08	-117.40	1,824.04	4,021.11	6,810.18	6,697.22	112.96	60.288		
15,700.00	7,630.00	15,134.00	7,566.57	117.11	139.08	-117.40	1,824.04	4,021.11	6,910.15	6,797.16	112.99	61.157		
15,800.00	7,630.00	15,134.00	7,566.57	118.57	139.08	-117.40	1,824.04	4,021.11	7,010.12	6,897.10	113.02	62.026		
15,900.00	7,630.00	15,134.00	7,566.57	120.05	139.08	-117.40	1,824.04	4,021.11	7,110.09	6,997.05	113.05	62.894		
16,000.00	7,630.00	15,134.00	7,566.57	121.53	139.08	-117.40	1,824.04	4,021.11	7,210.07	7,096.99	113.08	63.762		
16,100.00	7,630.00	15,134.00	7,566.57	123.03	139.08	-117.40	1,824.04	4,021.11	7,310.04	7,196.93	113.11	64.629		
16,200.00	7,630.00	15,134.00	7,566.57	124.53	139.08	-117.40	1,824.04	4,021.11	7,410.01	7,296.88	113.14	65.496		
16,300.00	7,630.00	15,134.00	7,566.57	126.04	139.08	-117.40	1,824.04	4,021.11	7,509.99	7,396.82	113.17	66.362		
16,400.00	7,630.00	15,134.00	7,566.57	127.56	139.08	-117.40	1,824.04	4,021.11	7,609.96	7,496.77	113.20	67.228		
16,500.00	7,630.00	15,134.00	7,566.57	129.09	139.08	-117.40	1,824.04	4,021.11	7,709.94	7,596.71	113.23	68.093		
16,600.00	7,630.00	15,134.00	7,566.57	130.62	139.08	-117.40	1,824.04	4,021.11	7,809.91	7,696.66	113.26	68.958		
16,700.00	7,630.00	15,134.00	7,566.57	132.16	139.08	-117.40	1,824.04	4,021.11	7,909.89	7,796.61	113.29	69.823		
16,800.00	7,630.00	15,134.00	7,566.57	133.71	139.08	-117.40	1,824.04	4,021.11	8,009.87	7,896.55	113.32	70.687		
16,900.00	7,630.00	15,134.00	7,566.57	135.27	139.08	-117.40	1,824.04	4,021.11	8,109.85	7,996.50	113.35	71.550		
17,000.00	7,630.00	15,134.00	7,566.57	136.83	139.08	-117.40	1,824.04	4,021.11	8,209.83	8,096.45	113.38	72.413		
17,100.00	7,630.00	15,134.00	7,566.57	138.39	139.08	-117.40	1,824.04	4,021.11	8,309.81	8,196.40	113.41	73.275		
17,200.00	7,630.00	15,134.00	7,566.57	139.97	139.08	-117.40	1,824.04	4,021.11	8,409.79	8,296.35	113.44	74.137		
17,300.00	7,630.00	15,134.00	7,566.57	141.54	139.08	-117.40	1,824.04	4,021.11	8,509.77	8,396.30	113.47	74.999		
17,400.00	7,630.00	15,134.00	7,566.57	143.12	139.08	-117.40	1,824.04	4,021.11	8,609.75	8,496.25	113.50	75.860		
17,500.00	7,630.00	15,134.00	7,566.57	144.71	139.08	-117.40	1,824.04	4,021.11	8,709.73	8,596.20	113.53	76.720		
17,600.00	7,630.00	15,134.00	7,566.57	146.30	139.08	-117.40	1,824.04	4,021.11	8,809.71	8,696.15	113.56	77.580		
17,700.00	7,630.00	15,134.00	7,566.57	147.90	139.08	-117.40	1,824.04	4,021.11	8,909.69	8,796.10	113.59	78.439		
17,800.00	7,630.00	15,134.00	7,566.57	149.50	139.08	-117.40	1,824.04	4,021.11	9,009.67	8,896.05	113.62	79.298		
17,900.00	7,630.00	15,134.00	7,566.57	151.10	139.08	-117.40	1,824.04	4,021.11	9,109.66	8,996.01	113.65	80.156		
18,000.00	7,630.00	15,134.00	7,566.57	152.71	139.08	-117.40	1,824.04	4,021.11	9,209.64	9,095.96	113.68	81.014		
18,100.00	7,630.00	15,134.00	7,566.57	154.32	139.08	-117.40	1,824.04	4,021.11	9,309.62	9,195.91	113.71	81.871		
18,200.00	7,630.00	15,134.00	7,566.57	155.94	139.08	-117.40	1,824.04	4,021.11	9,409.61	9,295.86	113.74	82.727		
18,300.00	7,630.00	15,134.00	7,566.57	157.56	139.08	-117.40	1,824.04	4,021.11	9,509.59	9,395.82	113.77	83.583		
18,400.00	7,630.00	15,134.00	7,566.57	159.18	139.08	-117.40	1,824.04	4,021.11	9,609.57	9,495.77	113.81	84.438		
18,500.00	7,630.00	15,134.00	7,566.57	160.80	139.08	-117.40	1,824.04	4,021.11	9,709.56	9,595.72	113.84	85.293		
18,600.00	7,630.00	15,134.00	7,566.57	162.43	139.08	-117.40	1,824.04	4,021.11	9,809.54	9,695.67	113.87	86.147		
18,700.00	7,630.00	15,134.00	7,566.57	164.06	139.08	-117.40	1,824.04	4,021.11	9,909.53	9,795.63	113.90	87.001		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ FRONT RANGE FARMS 37C-14HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 16-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	15,352.00	7,829.29	0.00	138.31	71.35	1,855.90	5,499.93	9,846.24					
100.00	100.00	15,352.00	7,829.29	0.13	138.31	71.35	1,855.90	5,499.93	9,765.64	9,671.42	94.22	103.644		
200.00	200.00	15,352.00	7,829.29	0.49	138.31	71.35	1,855.90	5,499.93	9,685.41	9,590.74	94.67	102.312		
300.00	300.00	15,352.00	7,829.29	0.85	138.31	71.35	1,855.90	5,499.93	9,605.54	9,510.40	95.14	100.958		
400.00	400.00	15,352.00	7,829.29	1.21	138.31	71.35	1,855.90	5,499.93	9,526.06	9,430.40	95.66	99.586		
500.00	500.00	15,352.00	7,829.29	1.57	138.31	71.35	1,855.90	5,499.93	9,446.96	9,350.76	96.20	98.199		
600.00	600.00	15,352.00	7,829.29	1.93	138.31	71.35	1,855.90	5,499.93	9,368.27	9,271.49	96.78	96.802		
700.00	700.00	15,352.00	7,829.29	2.29	138.31	71.35	1,855.90	5,499.93	9,289.98	9,192.60	97.38	95.398		
800.00	799.98	15,352.00	7,829.29	2.64	138.31	10.00	1,855.90	5,499.93	9,211.05	9,113.04	98.01	93.978		
900.00	899.84	15,352.00	7,829.29	2.99	138.31	10.49	1,855.90	5,499.93	9,130.44	9,031.78	98.66	92.548		
1,000.00	999.45	15,352.00	7,829.29	3.35	138.31	11.03	1,855.90	5,499.93	9,048.21	8,948.92	99.29	91.129		
1,100.00	1,098.70	15,352.00	7,829.29	3.73	138.31	11.63	1,855.90	5,499.93	8,964.41	8,864.49	99.91	89.724		
1,200.00	1,197.47	15,352.00	7,829.29	4.11	138.31	12.31	1,855.90	5,499.93	8,879.10	8,778.58	100.52	88.332		
1,300.00	1,295.62	15,352.00	7,829.29	4.53	138.31	13.08	1,855.90	5,499.93	8,792.35	8,691.23	101.11	86.955		
1,400.00	1,393.06	15,352.00	7,829.29	4.97	138.31	13.95	1,855.90	5,499.93	8,704.21	8,602.52	101.69	85.594		
1,500.00	1,489.64	15,352.00	7,829.29	5.44	138.31	14.95	1,855.90	5,499.93	8,614.77	8,512.51	102.25	84.250		
1,600.00	1,585.27	15,352.00	7,829.29	5.95	138.31	16.10	1,855.90	5,499.93	8,524.07	8,421.28	102.79	82.923		
1,700.00	1,679.82	15,352.00	7,829.29	6.51	138.31	17.44	1,855.90	5,499.93	8,432.21	8,328.89	103.32	81.614		
1,800.00	1,773.17	15,352.00	7,829.29	7.13	138.31	19.02	1,855.90	5,499.93	8,339.24	8,235.42	103.82	80.323		
1,900.00	1,865.21	15,352.00	7,829.29	7.79	138.31	20.90	1,855.90	5,499.93	8,245.26	8,140.95	104.30	79.050		
2,000.00	1,955.84	15,352.00	7,829.29	8.51	138.31	23.16	1,855.90	5,499.93	8,150.33	8,045.57	104.76	77.797		
2,100.00	2,044.94	15,352.00	7,829.29	9.30	138.31	25.93	1,855.90	5,499.93	8,054.56	7,949.36	105.20	76.563		
2,200.00	2,132.39	15,352.00	7,829.29	10.15	138.31	29.37	1,855.90	5,499.93	7,958.01	7,852.40	105.61	75.350		
2,300.00	2,218.11	15,352.00	7,829.29	11.07	138.31	33.72	1,855.90	5,499.93	7,860.79	7,754.79	106.00	74.157		
2,400.00	2,301.97	15,352.00	7,829.29	12.06	138.31	39.29	1,855.90	5,499.93	7,763.00	7,656.63	106.36	72.986		
2,500.00	2,383.88	15,352.00	7,829.29	13.11	138.31	46.53	1,855.90	5,499.93	7,664.72	7,558.02	106.70	71.836		
2,512.74	2,394.17	15,352.00	7,829.29	13.25	138.31	47.60	1,855.90	5,499.93	7,652.17	7,545.43	106.74	71.690		
2,600.00	2,464.54	15,352.00	7,829.29	14.22	138.31	47.60	1,855.90	5,499.93	7,566.20	7,459.18	107.02	70.700		
2,700.00	2,545.18	15,352.00	7,829.29	15.35	138.31	47.60	1,855.90	5,499.93	7,467.72	7,360.38	107.35	69.566		
2,800.00	2,625.82	15,352.00	7,829.29	16.50	138.31	47.60	1,855.90	5,499.93	7,369.29	7,261.60	107.69	68.431		
2,900.00	2,706.45	15,352.00	7,829.29	17.65	138.31	47.60	1,855.90	5,499.93	7,270.89	7,162.85	108.04	67.295		
3,000.00	2,787.09	15,352.00	7,829.29	18.82	138.31	47.60	1,855.90	5,499.93	7,172.54	7,064.13	108.41	66.160		
3,100.00	2,867.73	15,352.00	7,829.29	19.99	138.31	47.60	1,855.90	5,499.93	7,074.24	6,965.45	108.79	65.025		
3,200.00	2,948.37	15,352.00	7,829.29	21.17	138.31	47.60	1,855.90	5,499.93	6,975.98	6,866.80	109.19	63.890		
3,300.00	3,029.01	15,352.00	7,829.29	22.36	138.31	47.60	1,855.90	5,499.93	6,877.78	6,768.18	109.60	62.756		
3,400.00	3,109.65	15,352.00	7,829.29	23.55	138.31	47.60	1,855.90	5,499.93	6,779.63	6,669.61	110.02	61.623		
3,500.00	3,190.29	15,352.00	7,829.29	24.74	138.31	47.60	1,855.90	5,499.93	6,681.53	6,571.07	110.45	60.491		
3,600.00	3,270.93	15,352.00	7,829.29	25.94	138.31	47.60	1,855.90	5,499.93	6,583.49	6,472.58	110.91	59.361		
3,700.00	3,351.57	15,352.00	7,829.29	27.14	138.31	47.60	1,855.90	5,499.93	6,485.51	6,374.13	111.37	58.233		
3,800.00	3,432.21	15,352.00	7,829.29	28.35	138.31	47.60	1,855.90	5,499.93	6,387.59	6,275.73	111.85	57.106		
3,900.00	3,512.85	15,352.00	7,829.29	29.56	138.31	47.60	1,855.90	5,499.93	6,289.74	6,177.38	112.35	55.982		
4,000.00	3,593.49	15,352.00	7,829.29	30.76	138.31	47.60	1,855.90	5,499.93	6,191.95	6,079.08	112.87	54.860		
4,100.00	3,674.13	15,352.00	7,829.29	31.97	138.31	47.60	1,855.90	5,499.93	6,094.24	5,980.84	113.40	53.740		
4,200.00	3,754.77	15,352.00	7,829.29	33.19	138.31	47.60	1,855.90	5,499.93	5,996.60	5,882.65	113.95	52.624		
4,300.00	3,835.41	15,352.00	7,829.29	34.40	138.31	47.60	1,855.90	5,499.93	5,899.04	5,784.52	114.52	51.511		
4,400.00	3,916.05	15,352.00	7,829.29	35.62	138.31	47.60	1,855.90	5,499.93	5,801.57	5,686.46	115.11	50.400		
4,500.00	3,996.69	15,352.00	7,829.29	36.83	138.31	47.60	1,855.90	5,499.93	5,704.18	5,588.46	115.72	49.294		
4,600.00	4,077.33	15,352.00	7,829.29	38.05	138.31	47.60	1,855.90	5,499.93	5,606.89	5,490.54	116.35	48.191		
4,700.00	4,157.96	15,352.00	7,829.29	39.27	138.31	47.60	1,855.90	5,499.93	5,509.69	5,392.69	117.00	47.092		
4,800.00	4,238.60	15,352.00	7,829.29	40.49	138.31	47.60	1,855.90	5,499.93	5,412.59	5,294.92	117.67	45.997		
4,900.00	4,319.24	15,352.00	7,829.29	41.71	138.31	47.60	1,855.90	5,499.93	5,315.60	5,197.24	118.37	44.907		
5,000.00	4,399.88	15,352.00	7,829.29	42.93	138.31	47.60	1,855.90	5,499.93	5,218.73	5,099.64	119.09	43.821		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ FRONT RANGE FARMS 37C-14HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 16-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,480.52	15,352.00	7,829.29	44.15	138.31	47.60	1,855.90	5,499.93	5,121.98	5,002.14	119.84	42.740		
5,200.00	4,561.16	15,352.00	7,829.29	45.37	138.31	47.60	1,855.90	5,499.93	5,025.35	4,904.73	120.62	41.664		
5,300.00	4,641.80	15,352.00	7,829.29	46.59	138.31	47.60	1,855.90	5,499.93	4,928.85	4,807.44	121.42	40.594		
5,400.00	4,722.44	15,352.00	7,829.29	47.82	138.31	47.60	1,855.90	5,499.93	4,832.50	4,710.25	122.25	39.529		
5,500.00	4,803.08	15,352.00	7,829.29	49.04	138.31	47.60	1,855.90	5,499.93	4,736.31	4,613.19	123.12	38.470		
5,600.00	4,883.72	15,352.00	7,829.29	50.27	138.31	47.60	1,855.90	5,499.93	4,640.27	4,516.25	124.02	37.417		
5,700.00	4,964.36	15,352.00	7,829.29	51.49	138.31	47.60	1,855.90	5,499.93	4,544.40	4,419.45	124.95	36.370		
5,800.00	5,045.00	15,352.00	7,829.29	52.71	138.31	47.60	1,855.90	5,499.93	4,448.71	4,322.79	125.92	35.330		
5,900.00	5,125.64	15,352.00	7,829.29	53.94	138.31	47.60	1,855.90	5,499.93	4,353.22	4,226.29	126.93	34.297		
6,000.00	5,206.28	15,352.00	7,829.29	55.17	138.31	47.60	1,855.90	5,499.93	4,257.94	4,129.96	127.98	33.271		
6,100.00	5,286.92	15,352.00	7,829.29	56.39	138.31	47.60	1,855.90	5,499.93	4,162.87	4,033.81	129.07	32.253		
6,200.00	5,367.56	15,352.00	7,829.29	57.62	138.31	47.60	1,855.90	5,499.93	4,068.05	3,937.84	130.21	31.243		
6,300.00	5,448.20	15,352.00	7,829.29	58.84	138.31	47.60	1,855.90	5,499.93	3,973.47	3,842.08	131.39	30.241		
6,400.00	5,528.84	15,352.00	7,829.29	60.07	138.31	47.60	1,855.90	5,499.93	3,879.17	3,746.54	132.63	29.248		
6,500.00	5,609.47	15,352.00	7,829.29	61.30	138.31	47.60	1,855.90	5,499.93	3,785.16	3,651.24	133.92	28.264		
6,600.00	5,690.11	15,352.00	7,829.29	62.53	138.31	47.60	1,855.90	5,499.93	3,691.47	3,556.20	135.27	27.290		
6,700.00	5,770.75	15,352.00	7,829.29	63.75	138.31	47.60	1,855.90	5,499.93	3,598.12	3,461.44	136.68	26.326		
6,800.00	5,851.39	15,352.00	7,829.29	64.98	138.31	47.60	1,855.90	5,499.93	3,505.13	3,366.98	138.15	25.372		
6,900.00	5,932.03	15,352.00	7,829.29	66.21	138.31	47.60	1,855.90	5,499.93	3,412.54	3,272.85	139.69	24.429		
7,000.00	6,012.67	15,352.00	7,829.29	67.44	138.31	47.60	1,855.90	5,499.93	3,320.38	3,179.07	141.31	23.498		
7,100.00	6,093.31	15,352.00	7,829.29	68.66	138.31	47.60	1,855.90	5,499.93	3,228.68	3,085.69	143.00	22.579		
7,200.00	6,173.95	15,352.00	7,829.29	69.89	138.31	47.60	1,855.90	5,499.93	3,137.50	2,992.73	144.77	21.673		
7,300.00	6,254.59	15,352.00	7,829.29	71.12	138.31	47.60	1,855.90	5,499.93	3,046.86	2,900.24	146.63	20.780		
7,400.00	6,335.23	15,352.00	7,829.29	72.35	138.31	47.60	1,855.90	5,499.93	2,956.83	2,808.26	148.57	19.901		
7,500.00	6,415.87	15,352.00	7,829.29	73.58	138.31	47.60	1,855.90	5,499.93	2,867.46	2,716.85	150.62	19.038		
7,600.00	6,496.51	15,352.00	7,829.29	74.81	138.31	47.60	1,855.90	5,499.93	2,778.82	2,626.06	152.76	18.191		
7,700.00	6,577.15	15,352.00	7,829.29	76.04	138.31	47.60	1,855.90	5,499.93	2,690.97	2,535.96	155.01	17.360		
7,800.00	6,657.79	15,352.00	7,829.29	77.27	138.31	47.60	1,855.90	5,499.93	2,604.00	2,446.63	157.37	16.547		
7,900.00	6,738.43	15,352.00	7,829.29	78.50	138.31	47.60	1,855.90	5,499.93	2,518.00	2,358.15	159.85	15.752		
8,000.00	6,819.07	15,352.00	7,829.29	79.73	138.31	47.60	1,855.90	5,499.93	2,433.06	2,270.62	162.44	14.978		
8,100.00	6,899.71	15,352.00	7,829.29	80.96	138.31	47.60	1,855.90	5,499.93	2,349.32	2,184.16	165.16	14.225		
8,200.00	6,980.35	15,335.37	7,828.92	82.18	138.02	46.95	1,872.52	5,499.94	2,266.83	2,099.52	167.31	13.549		
8,240.58	7,013.07	15,324.74	7,828.69	82.68	137.83	46.54	1,883.15	5,499.95	2,233.68	2,065.63	168.05	13.292		
8,250.00	7,020.68	15,322.35	7,828.63	82.80	137.79	44.02	1,885.55	5,499.95	2,226.00	2,057.78	168.22	13.233		
8,300.00	7,061.63	15,312.17	7,828.41	83.40	137.62	29.99	1,895.72	5,499.95	2,184.90	2,015.73	169.17	12.916		
8,350.00	7,103.23	15,306.30	7,828.28	83.97	137.51	15.15	1,901.59	5,499.96	2,143.53	1,973.38	170.15	12.598		
8,400.00	7,145.18	15,304.78	7,828.24	84.51	137.49	0.08	1,903.11	5,499.96	2,102.22	1,931.06	171.16	12.282		
8,450.00	7,187.16	15,307.61	7,828.31	85.01	137.54	-14.58	1,900.27	5,499.96	2,061.32	1,889.14	172.18	11.972		
8,500.00	7,228.84	15,314.79	7,828.47	85.46	137.66	-28.29	1,893.10	5,499.95	2,021.15	1,847.93	173.22	11.668		
8,550.00	7,269.91	15,326.25	7,828.72	85.86	137.86	-40.67	1,881.65	5,499.94	1,982.03	1,807.77	174.26	11.374		
8,600.00	7,310.05	15,341.90	7,829.07	86.20	138.13	-51.55	1,865.99	5,499.93	1,944.25	1,768.96	175.29	11.091		
8,650.00	7,348.97	15,352.00	7,829.29	86.50	138.31	-61.24	1,855.90	5,499.93	1,908.10	1,732.24	175.86	10.850		
8,700.00	7,386.36	15,352.00	7,829.29	86.74	138.31	-69.86	1,855.90	5,499.93	1,874.07	1,698.33	175.74	10.664		
8,750.00	7,421.94	15,352.00	7,829.29	86.93	138.31	-77.13	1,855.90	5,499.93	1,842.56	1,667.19	175.37	10.506		
8,800.00	7,455.44	15,352.00	7,829.29	87.07	138.31	-83.22	1,855.90	5,499.93	1,813.95	1,639.17	174.78	10.379		
8,850.00	7,486.61	15,352.00	7,829.29	87.16	138.31	-88.25	1,855.90	5,499.93	1,788.60	1,614.65	173.95	10.282		
8,900.00	7,515.20	15,352.00	7,829.29	87.20	138.31	-92.36	1,855.90	5,499.93	1,766.84	1,593.93	172.92	10.218		
8,950.00	7,541.00	15,352.00	7,829.29	87.21	138.31	-95.66	1,855.90	5,499.93	1,748.99	1,577.29	171.70	10.186 SF		
9,000.00	7,563.81	15,352.00	7,829.29	87.17	138.31	-98.24	1,855.90	5,499.93	1,735.30	1,564.96	170.34	10.187		
9,050.00	7,583.47	15,352.00	7,829.29	87.10	138.31	-100.17	1,855.90	5,499.93	1,725.97	1,557.09	168.87	10.220		
9,100.00	7,599.81	15,352.00	7,829.29	87.00	138.31	-101.51	1,855.90	5,499.93	1,721.14	1,553.79	167.35	10.285 ES		
9,127.69	7,607.39	15,352.00	7,829.29	86.93	138.31	-102.00	1,855.90	5,499.93	1,720.43	1,553.93	166.51	10.333 CC		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ FRONT RANGE FARMS 37C-14HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 16-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,150.00	7,612.72	15,352.00	7,829.29	86.88	138.31	-102.27	1,855.90	5,499.93	1,720.89	1,555.07	165.82	10.378		
9,200.00	7,622.09	15,352.00	7,829.29	86.72	138.31	-102.50	1,855.90	5,499.93	1,725.23	1,560.89	164.34	10.498		
9,250.00	7,627.87	15,352.00	7,829.29	86.55	138.31	-102.18	1,855.90	5,499.93	1,734.08	1,571.16	162.92	10.643		
9,303.98	7,630.00	15,352.00	7,829.29	86.35	138.31	-101.23	1,855.90	5,499.93	1,748.55	1,587.04	161.51	10.826		
9,400.00	7,630.00	15,352.00	7,829.29	85.99	138.31	-101.23	1,855.90	5,499.93	1,781.03	1,621.60	159.43	11.171		
9,500.00	7,630.00	15,352.00	7,829.29	85.62	138.31	-101.23	1,855.90	5,499.93	1,819.63	1,661.77	157.85	11.527		
9,600.00	7,630.00	15,352.00	7,829.29	85.28	138.31	-101.23	1,855.90	5,499.93	1,862.80	1,706.04	156.77	11.883		
9,700.00	7,630.00	15,352.00	7,829.29	84.95	138.31	-101.23	1,855.90	5,499.93	1,910.24	1,754.23	156.01	12.244		
9,800.00	7,630.00	15,352.00	7,829.29	84.64	138.31	-101.23	1,855.90	5,499.93	1,961.63	1,806.17	155.47	12.618		
9,900.00	7,630.00	15,352.00	7,829.29	84.34	138.31	-101.23	1,855.90	5,499.93	2,016.68	1,861.64	155.03	13.008		
10,000.00	7,630.00	15,352.00	7,829.29	84.06	138.31	-101.23	1,855.90	5,499.93	2,075.08	1,920.44	154.64	13.418		
10,100.00	7,630.00	15,352.00	7,829.29	83.80	138.31	-101.23	1,855.90	5,499.93	2,136.57	1,982.31	154.27	13.850		
10,200.00	7,630.00	15,352.00	7,829.29	83.56	138.31	-101.23	1,855.90	5,499.93	2,200.89	2,047.02	153.87	14.303		
10,300.00	7,630.00	15,352.00	7,829.29	83.33	138.31	-101.23	1,855.90	5,499.93	2,267.80	2,114.35	153.45	14.779		
10,400.00	7,630.00	15,352.00	7,829.29	83.12	138.31	-101.23	1,855.90	5,499.93	2,337.07	2,184.07	153.00	15.275		
10,500.00	7,630.00	15,352.00	7,829.29	82.92	138.31	-101.23	1,855.90	5,499.93	2,408.50	2,255.99	152.52	15.792		
10,600.00	7,630.00	15,352.00	7,829.29	82.75	138.31	-101.23	1,855.90	5,499.93	2,481.91	2,329.90	152.01	16.327		
10,700.00	7,630.00	15,352.00	7,829.29	82.59	138.31	-101.23	1,855.90	5,499.93	2,557.12	2,405.64	151.48	16.881		
10,800.00	7,630.00	15,352.00	7,829.29	82.45	138.31	-101.23	1,855.90	5,499.93	2,633.98	2,483.04	150.93	17.451		
10,900.00	7,630.00	15,352.00	7,829.29	82.33	138.31	-101.23	1,855.90	5,499.93	2,712.35	2,561.97	150.38	18.037		
11,000.00	7,630.00	15,352.00	7,829.29	82.22	138.31	-101.23	1,855.90	5,499.93	2,792.10	2,642.28	149.81	18.637		
11,100.00	7,630.00	15,352.00	7,829.29	82.14	138.31	-101.23	1,855.90	5,499.93	2,873.11	2,723.87	149.24	19.251		
11,200.00	7,630.00	15,352.00	7,829.29	82.08	138.31	-101.23	1,855.90	5,499.93	2,955.30	2,806.62	148.68	19.877		
11,300.00	7,630.00	15,352.00	7,829.29	82.04	138.31	-101.23	1,855.90	5,499.93	3,038.55	2,890.43	148.11	20.515		
11,400.00	7,630.00	15,352.00	7,829.29	82.02	138.31	-101.23	1,855.90	5,499.93	3,122.78	2,975.22	147.55	21.164		
11,500.00	7,630.00	15,352.00	7,829.29	82.03	138.31	-101.23	1,855.90	5,499.93	3,207.92	3,060.91	147.00	21.822		
11,600.00	7,630.00	15,352.00	7,829.29	82.06	138.31	-101.23	1,855.90	5,499.93	3,293.89	3,147.43	146.46	22.489		
11,700.00	7,630.00	15,352.00	7,829.29	82.12	138.31	-101.23	1,855.90	5,499.93	3,380.63	3,234.70	145.94	23.165		
11,800.00	7,630.00	15,352.00	7,829.29	82.21	138.31	-101.23	1,855.90	5,499.93	3,468.09	3,322.67	145.42	23.849		
11,900.00	7,630.00	15,352.00	7,829.29	82.33	138.31	-101.23	1,855.90	5,499.93	3,556.21	3,411.30	144.92	24.539		
12,000.00	7,630.00	15,352.00	7,829.29	82.48	138.31	-101.23	1,855.90	5,499.93	3,644.95	3,500.52	144.43	25.237		
12,100.00	7,630.00	15,352.00	7,829.29	82.66	138.31	-101.23	1,855.90	5,499.93	3,734.25	3,590.29	143.96	25.940		
12,200.00	7,630.00	15,352.00	7,829.29	82.88	138.31	-101.23	1,855.90	5,499.93	3,824.08	3,680.58	143.50	26.649		
12,300.00	7,630.00	15,352.00	7,829.29	83.14	138.31	-101.23	1,855.90	5,499.93	3,914.41	3,771.35	143.05	27.363		
12,400.00	7,630.00	15,352.00	7,829.29	83.44	138.31	-101.23	1,855.90	5,499.93	4,005.19	3,862.57	142.63	28.082		
12,500.00	7,630.00	15,352.00	7,829.29	83.79	138.31	-101.23	1,855.90	5,499.93	4,096.41	3,954.20	142.21	28.805		
12,600.00	7,630.00	15,352.00	7,829.29	84.18	138.31	-101.23	1,855.90	5,499.93	4,188.02	4,046.21	141.81	29.532		
12,700.00	7,630.00	15,352.00	7,829.29	84.61	138.31	-101.23	1,855.90	5,499.93	4,280.02	4,138.59	141.42	30.264		
12,800.00	7,630.00	15,352.00	7,829.29	85.10	138.31	-101.23	1,855.90	5,499.93	4,372.36	4,231.31	141.05	30.998		
12,900.00	7,630.00	15,352.00	7,829.29	85.64	138.31	-101.23	1,855.90	5,499.93	4,465.03	4,324.34	140.69	31.736		
13,000.00	7,630.00	15,352.00	7,829.29	86.22	138.31	-101.23	1,855.90	5,499.93	4,558.01	4,417.66	140.35	32.476		
13,100.00	7,630.00	15,352.00	7,829.29	86.86	138.31	-101.23	1,855.90	5,499.93	4,651.29	4,511.27	140.02	33.219		
13,200.00	7,630.00	15,352.00	7,829.29	87.56	138.31	-101.23	1,855.90	5,499.93	4,744.83	4,605.14	139.70	33.965		
13,300.00	7,630.00	15,352.00	7,829.29	88.30	138.31	-101.23	1,855.90	5,499.93	4,838.64	4,699.25	139.39	34.713		
13,400.00	7,630.00	15,352.00	7,829.29	89.10	138.31	-101.23	1,855.90	5,499.93	4,932.69	4,793.59	139.10	35.463		
13,500.00	7,630.00	15,352.00	7,829.29	89.94	138.31	-101.23	1,855.90	5,499.93	5,026.97	4,888.16	138.81	36.214		
13,600.00	7,630.00	15,352.00	7,829.29	90.84	138.31	-101.23	1,855.90	5,499.93	5,121.46	4,982.92	138.54	36.968		
13,700.00	7,630.00	15,352.00	7,829.29	91.78	138.31	-101.23	1,855.90	5,499.93	5,216.16	5,077.89	138.28	37.723		
13,800.00	7,630.00	15,352.00	7,829.29	92.77	138.31	-101.23	1,855.90	5,499.93	5,311.06	5,173.03	138.03	38.479		
13,900.00	7,630.00	15,352.00	7,829.29	93.79	138.31	-101.23	1,855.90	5,499.93	5,406.14	5,268.36	137.78	39.237		
14,000.00	7,630.00	15,352.00	7,829.29	94.86	138.31	-101.23	1,855.90	5,499.93	5,501.39	5,363.84	137.55	39.995		
14,100.00	7,630.00	15,352.00	7,829.29	95.97	138.31	-101.23	1,855.90	5,499.93	5,596.81	5,459.48	137.33	40.755		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ FRONT RANGE FARMS 37C-14HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 16-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,630.00	15,352.00	7,829.29	97.11	138.31	-101.23	1,855.90	5,499.93	5,692.39	5,555.27	137.11	41.516		
14,300.00	7,630.00	15,352.00	7,829.29	98.28	138.31	-101.23	1,855.90	5,499.93	5,788.11	5,651.21	136.91	42.277		
14,400.00	7,630.00	15,352.00	7,829.29	99.48	138.31	-101.23	1,855.90	5,499.93	5,883.98	5,747.27	136.71	43.039		
14,500.00	7,630.00	15,352.00	7,829.29	100.72	138.31	-101.23	1,855.90	5,499.93	5,979.99	5,843.46	136.52	43.802		
14,600.00	7,630.00	15,352.00	7,829.29	101.97	138.31	-101.23	1,855.90	5,499.93	6,076.12	5,939.78	136.34	44.566		
14,700.00	7,630.00	15,352.00	7,829.29	103.26	138.31	-101.23	1,855.90	5,499.93	6,172.37	6,036.21	136.17	45.330		
14,800.00	7,630.00	15,352.00	7,829.29	104.56	138.31	-101.23	1,855.90	5,499.93	6,268.75	6,132.75	136.00	46.094		
14,900.00	7,630.00	15,352.00	7,829.29	105.89	138.31	-101.23	1,855.90	5,499.93	6,365.23	6,229.39	135.84	46.859		
15,000.00	7,630.00	15,352.00	7,829.29	107.24	138.31	-101.23	1,855.90	5,499.93	6,461.82	6,326.14	135.68	47.624		
15,100.00	7,630.00	15,352.00	7,829.29	108.60	138.31	-101.23	1,855.90	5,499.93	6,558.52	6,422.98	135.54	48.389		
15,200.00	7,630.00	15,352.00	7,829.29	109.98	138.31	-101.23	1,855.90	5,499.93	6,655.31	6,519.91	135.40	49.154		
15,300.00	7,630.00	15,352.00	7,829.29	111.38	138.31	-101.23	1,855.90	5,499.93	6,752.19	6,616.93	135.26	49.920		
15,400.00	7,630.00	15,352.00	7,829.29	112.79	138.31	-101.23	1,855.90	5,499.93	6,849.17	6,714.04	135.13	50.686		
15,500.00	7,630.00	15,352.00	7,829.29	114.22	138.31	-101.23	1,855.90	5,499.93	6,946.23	6,811.22	135.01	51.451		
15,600.00	7,630.00	15,352.00	7,829.29	115.66	138.31	-101.23	1,855.90	5,499.93	7,043.37	6,908.48	134.89	52.217		
15,700.00	7,630.00	15,352.00	7,829.29	117.11	138.31	-101.23	1,855.90	5,499.93	7,140.59	7,005.82	134.77	52.982		
15,800.00	7,630.00	15,352.00	7,829.29	118.57	138.31	-101.23	1,855.90	5,499.93	7,237.89	7,103.22	134.66	53.748		
15,900.00	7,630.00	15,352.00	7,829.29	120.05	138.31	-101.23	1,855.90	5,499.93	7,335.26	7,200.70	134.56	54.513		
16,000.00	7,630.00	15,352.00	7,829.29	121.53	138.31	-101.23	1,855.90	5,499.93	7,432.70	7,298.24	134.46	55.279		
16,100.00	7,630.00	15,352.00	7,829.29	123.03	138.31	-101.23	1,855.90	5,499.93	7,530.20	7,395.84	134.36	56.044		
16,200.00	7,630.00	15,352.00	7,829.29	124.53	138.31	-101.23	1,855.90	5,499.93	7,627.78	7,493.50	134.27	56.809		
16,300.00	7,630.00	15,352.00	7,829.29	126.04	138.31	-101.23	1,855.90	5,499.93	7,725.41	7,591.23	134.18	57.573		
16,400.00	7,630.00	15,352.00	7,829.29	127.56	138.31	-101.23	1,855.90	5,499.93	7,823.10	7,689.00	134.10	58.338		
16,500.00	7,630.00	15,352.00	7,829.29	129.09	138.31	-101.23	1,855.90	5,499.93	7,920.85	7,786.83	134.02	59.102		
16,600.00	7,630.00	15,352.00	7,829.29	130.62	138.31	-101.23	1,855.90	5,499.93	8,018.66	7,884.72	133.94	59.866		
16,700.00	7,630.00	15,352.00	7,829.29	132.16	138.31	-101.23	1,855.90	5,499.93	8,116.52	7,982.65	133.87	60.629		
16,800.00	7,630.00	15,352.00	7,829.29	133.71	138.31	-101.23	1,855.90	5,499.93	8,214.43	8,080.63	133.80	61.393		
16,900.00	7,630.00	15,352.00	7,829.29	135.27	138.31	-101.23	1,855.90	5,499.93	8,312.39	8,178.66	133.74	62.156		
17,000.00	7,630.00	15,352.00	7,829.29	136.83	138.31	-101.23	1,855.90	5,499.93	8,410.40	8,276.73	133.67	62.918		
17,100.00	7,630.00	15,352.00	7,829.29	138.39	138.31	-101.23	1,855.90	5,499.93	8,508.46	8,374.84	133.61	63.680		
17,200.00	7,630.00	15,352.00	7,829.29	139.97	138.31	-101.23	1,855.90	5,499.93	8,606.56	8,473.00	133.55	64.442		
17,300.00	7,630.00	15,352.00	7,829.29	141.54	138.31	-101.23	1,855.90	5,499.93	8,704.70	8,571.20	133.50	65.203		
17,400.00	7,630.00	15,352.00	7,829.29	143.12	138.31	-101.23	1,855.90	5,499.93	8,802.88	8,669.44	133.45	65.964		
17,500.00	7,630.00	15,352.00	7,829.29	144.71	138.31	-101.23	1,855.90	5,499.93	8,901.11	8,767.71	133.40	66.725		
17,600.00	7,630.00	15,352.00	7,829.29	146.30	138.31	-101.23	1,855.90	5,499.93	8,999.37	8,866.02	133.35	67.485		
17,700.00	7,630.00	15,352.00	7,829.29	147.90	138.31	-101.23	1,855.90	5,499.93	9,097.68	8,964.37	133.31	68.245		
17,800.00	7,630.00	15,352.00	7,829.29	149.50	138.31	-101.23	1,855.90	5,499.93	9,196.02	9,062.75	133.27	69.004		
17,900.00	7,630.00	15,352.00	7,829.29	151.10	138.31	-101.23	1,855.90	5,499.93	9,294.39	9,161.16	133.23	69.762		
18,000.00	7,630.00	15,352.00	7,829.29	152.71	138.31	-101.23	1,855.90	5,499.93	9,392.80	9,259.61	133.19	70.521		
18,100.00	7,630.00	15,352.00	7,829.29	154.32	138.31	-101.23	1,855.90	5,499.93	9,491.24	9,358.08	133.16	71.278		
18,200.00	7,630.00	15,352.00	7,829.29	155.94	138.31	-101.23	1,855.90	5,499.93	9,589.72	9,456.59	133.12	72.036		
18,300.00	7,630.00	15,352.00	7,829.29	157.56	138.31	-101.23	1,855.90	5,499.93	9,688.22	9,555.13	133.09	72.792		
18,400.00	7,630.00	15,352.00	7,829.29	159.18	138.31	-101.23	1,855.90	5,499.93	9,786.76	9,653.69	133.07	73.549		
18,500.00	7,630.00	15,352.00	7,829.29	160.80	138.31	-101.23	1,855.90	5,499.93	9,885.32	9,752.28	133.04	74.304		
18,600.00	7,630.00	15,352.00	7,829.29	162.43	138.31	-101.23	1,855.90	5,499.93	9,983.92	9,850.90	133.01	75.060		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ RANCHVIEW 28C-11HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	58.43	2,114.21	3,441.22	4,038.97					
100.00	100.00	51.26	51.26	0.13	0.09	58.43	2,114.21	3,441.26	4,038.84	4,038.61	0.23	N/A		
200.00	200.00	125.00	125.00	0.49	0.36	58.44	2,114.22	3,441.80	4,039.47	4,038.62	0.85	4,739.754		
300.00	300.00	203.59	203.58	0.85	0.64	58.44	2,114.53	3,442.75	4,040.69	4,039.20	1.49	2,708.608		
400.00	400.00	306.25	306.23	1.21	1.01	58.44	2,115.36	3,444.02	4,042.17	4,039.95	2.22	1,823.259		
500.00	500.00	443.29	443.26	1.57	1.49	58.45	2,115.22	3,445.54	4,043.05	4,039.99	3.06	1,320.284		
600.00	600.00	538.32	538.28	1.93	1.83	58.47	2,114.53	3,446.55	4,043.58	4,039.82	3.76	1,075.979		
700.00	700.00	635.53	635.49	2.29	2.18	58.48	2,114.41	3,447.39	4,044.24	4,039.78	4.46	906.300		
800.00	799.98	779.07	779.02	2.64	2.67	-3.32	2,115.10	3,447.09	4,042.56	4,037.25	5.31	761.660		
900.00	899.84	912.78	912.73	2.99	3.12	-3.33	2,114.37	3,446.23	4,036.50	4,030.39	6.11	660.308		
1,000.00	999.45	995.77	995.71	3.35	3.40	-3.35	2,113.87	3,445.44	4,026.69	4,019.94	6.75	596.365		
1,100.00	1,098.70	1,090.70	1,090.64	3.73	3.73	-3.38	2,114.05	3,444.53	4,013.82	4,006.38	7.44	539.832		
1,200.00	1,197.47	1,207.88	1,207.81	4.11	4.13	-3.43	2,114.10	3,443.22	3,997.29	3,989.09	8.20	487.511		
1,300.00	1,295.62	1,336.50	1,336.41	4.53	4.58	-3.49	2,113.95	3,441.34	3,977.05	3,968.04	9.01	441.530		
1,400.00	1,393.06	1,416.37	1,416.25	4.97	4.86	-3.56	2,114.04	3,439.27	3,952.58	3,942.93	9.65	409.587		
1,500.00	1,489.64	1,467.00	1,466.89	5.44	5.04	-3.61	2,114.03	3,438.72	3,925.82	3,915.62	10.20	385.061		
1,600.00	1,585.27	1,820.04	1,818.80	5.95	6.29	-3.43	2,088.99	3,437.24	3,891.73	3,879.95	11.78	330.418		
1,700.00	1,679.82	1,908.62	1,906.48	6.51	6.62	-3.33	2,076.52	3,437.65	3,852.71	3,840.24	12.47	309.041		
1,800.00	1,773.17	2,022.98	2,019.22	7.13	7.05	-3.13	2,057.45	3,439.81	3,810.40	3,797.15	13.25	287.475		
1,900.00	1,865.21	2,088.01	2,083.10	7.79	7.31	-3.02	2,045.41	3,441.74	3,764.94	3,751.06	13.88	271.189		
2,000.00	1,955.84	2,150.70	2,144.55	8.51	7.56	-2.89	2,033.30	3,444.32	3,716.95	3,702.45	14.51	256.195		
2,100.00	2,044.94	2,212.72	2,205.35	9.30	7.82	-2.76	2,021.42	3,447.31	3,666.56	3,651.42	15.14	242.162		
2,200.00	2,132.39	2,282.95	2,274.26	10.15	8.11	-2.61	2,008.36	3,450.84	3,613.65	3,597.84	15.81	228.589		
2,300.00	2,218.11	2,407.65	2,396.70	11.07	8.63	-2.28	1,985.33	3,456.28	3,557.39	3,540.71	16.68	213.302		
2,400.00	2,301.97	2,469.65	2,457.62	12.06	8.90	-2.15	1,974.09	3,458.67	3,498.17	3,480.85	17.32	201.951		
2,500.00	2,383.88	2,602.73	2,588.25	13.11	9.47	-1.75	1,949.07	3,463.01	3,435.39	3,417.17	18.22	188.559		
2,512.74	2,394.17	2,608.97	2,594.37	13.25	9.50	-1.73	1,947.86	3,463.20	3,427.18	3,408.88	18.30	187.274		
2,600.00	2,464.54	2,651.90	2,636.49	14.22	9.69	-1.58	1,939.69	3,464.62	3,371.06	3,352.24	18.82	179.107		
2,700.00	2,545.18	2,702.40	2,686.10	15.35	9.91	-1.39	1,930.41	3,466.53	3,307.35	3,287.92	19.43	170.199		
2,800.00	2,625.82	2,760.00	2,742.75	16.50	10.16	-1.18	1,920.29	3,468.97	3,244.27	3,224.19	20.08	161.593		
2,900.00	2,706.45	2,863.30	2,844.23	17.65	10.62	-0.78	1,901.52	3,473.46	3,181.12	3,160.24	20.88	152.349		
3,000.00	2,787.09	2,935.83	2,915.48	18.82	10.94	-0.49	1,888.29	3,476.28	3,117.70	3,096.11	21.59	144.406		
3,100.00	2,867.73	3,032.38	3,010.26	19.99	11.38	-0.07	1,870.29	3,480.00	3,054.15	3,031.77	22.38	136.462		
3,200.00	2,948.37	3,088.69	3,065.42	21.17	11.64	0.20	1,859.21	3,482.42	2,990.60	2,967.54	23.06	129.696		
3,300.00	3,029.01	3,156.98	3,132.46	22.36	11.95	0.52	1,846.59	3,485.47	2,927.64	2,903.86	23.78	123.116		
3,400.00	3,109.65	3,251.93	3,225.67	23.55	12.38	0.98	1,828.85	3,489.16	2,864.28	2,839.70	24.58	116.540		
3,500.00	3,190.29	3,313.32	3,286.07	24.74	12.66	1.28	1,818.08	3,491.27	2,801.13	2,775.84	25.29	110.772		
3,600.00	3,270.93	3,405.95	3,377.28	25.94	13.07	1.73	1,802.21	3,494.28	2,738.07	2,711.99	26.08	104.996		
3,700.00	3,351.57	3,503.13	3,472.73	27.14	13.52	2.26	1,784.23	3,497.31	2,674.52	2,647.64	26.89	99.473		
3,800.00	3,432.21	3,570.37	3,538.78	28.35	13.83	2.64	1,771.77	3,499.21	2,610.86	2,583.23	27.63	94.492		
3,900.00	3,512.85	3,631.17	3,598.69	29.56	14.10	2.98	1,761.54	3,500.69	2,547.61	2,519.25	28.37	89.810		
4,000.00	3,593.49	3,687.31	3,654.02	30.76	14.36	3.30	1,752.18	3,502.49	2,485.03	2,455.93	29.10	85.390		
4,100.00	3,674.13	3,762.76	3,728.32	31.97	14.70	3.76	1,739.41	3,505.42	2,422.92	2,393.03	29.89	81.070		
4,200.00	3,754.77	3,833.44	3,797.86	33.19	15.02	4.22	1,727.11	3,508.34	2,360.94	2,330.26	30.68	76.963		
4,300.00	3,835.41	3,932.28	3,894.93	34.40	15.48	4.94	1,709.09	3,512.98	2,299.30	2,267.77	31.53	72.931		
4,400.00	3,916.05	4,022.86	3,983.81	35.62	15.90	5.64	1,691.89	3,515.79	2,236.29	2,203.92	32.37	69.092		
4,500.00	3,996.69	4,078.97	4,039.18	36.83	16.16	6.05	1,682.86	3,517.19	2,174.00	2,140.84	33.16	65.553		
4,600.00	4,077.33	4,139.84	4,099.33	38.05	16.42	6.49	1,673.75	3,518.97	2,112.47	2,078.50	33.97	62.181		
4,700.00	4,157.96	4,270.79	4,228.46	39.27	17.01	7.56	1,652.41	3,522.88	2,050.99	2,016.13	34.85	58.846		
4,800.00	4,238.60	4,344.92	4,301.36	40.49	17.36	8.24	1,639.02	3,524.32	1,988.18	1,952.46	35.72	55.659		
4,900.00	4,319.24	4,414.52	4,369.72	41.71	17.69	8.95	1,625.99	3,525.87	1,925.59	1,888.97	36.62	52.590		
5,000.00	4,399.88	4,487.57	4,441.29	42.93	18.03	9.76	1,611.56	3,528.04	1,863.47	1,825.93	37.55	49.631		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ RANCHVIEW 28C-11HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,480.52	4,570.24	4,522.27	44.15	18.43	10.74	1,595.10	3,530.39	1,801.52	1,763.00	38.52	46.772		
5,200.00	4,561.16	4,654.16	4,604.46	45.37	18.84	11.81	1,578.23	3,532.23	1,739.35	1,699.83	39.52	44.012		
5,300.00	4,641.80	4,712.95	4,662.11	46.59	19.12	12.60	1,566.81	3,533.60	1,677.80	1,637.25	40.55	41.374		
5,400.00	4,722.44	4,778.26	4,726.30	47.82	19.42	13.49	1,554.88	3,535.45	1,617.25	1,575.63	41.62	38.859		
5,500.00	4,803.08	4,847.93	4,794.92	49.04	19.75	14.46	1,543.00	3,537.48	1,557.44	1,514.71	42.73	36.452		
5,600.00	4,883.72	4,918.58	4,864.48	50.27	20.07	15.52	1,530.92	3,539.83	1,498.33	1,454.44	43.89	34.140		
5,700.00	4,964.36	5,000.56	4,945.20	51.49	20.45	16.84	1,516.85	3,542.60	1,439.71	1,394.59	45.12	31.911		
5,800.00	5,045.00	5,077.20	5,020.78	52.71	20.80	18.14	1,504.30	3,544.82	1,381.40	1,335.00	46.40	29.769		
5,900.00	5,125.64	5,148.38	5,091.09	53.94	21.12	19.39	1,493.45	3,546.80	1,323.78	1,276.02	47.76	27.717		
6,000.00	5,206.28	5,216.17	5,158.03	55.17	21.42	20.68	1,483.04	3,549.16	1,267.27	1,218.06	49.21	25.752		
6,100.00	5,286.92	5,285.48	5,226.44	56.39	21.73	22.10	1,472.28	3,552.08	1,212.01	1,161.24	50.77	23.871		
6,200.00	5,367.56	5,367.17	5,307.03	57.62	22.10	23.92	1,459.43	3,555.77	1,157.77	1,105.30	52.47	22.064		
6,300.00	5,448.20	5,451.12	5,389.88	58.84	22.47	25.94	1,446.26	3,559.06	1,104.03	1,049.71	54.32	20.325		
6,400.00	5,528.84	5,537.37	5,475.20	60.07	22.86	28.14	1,433.94	3,561.73	1,050.83	994.54	56.29	18.669		
6,500.00	5,609.47	5,616.23	5,553.18	61.30	23.20	30.36	1,422.33	3,563.59	998.23	939.78	58.45	17.079		
6,600.00	5,690.11	5,686.28	5,622.43	62.53	23.51	32.50	1,411.95	3,565.60	947.41	886.61	60.81	15.581		
6,700.00	5,770.75	5,758.22	5,693.51	63.75	23.83	34.88	1,401.19	3,568.11	898.75	835.36	63.39	14.178		
6,800.00	5,851.39	5,837.55	5,771.83	64.98	24.19	37.74	1,388.94	3,571.07	852.23	785.97	66.26	12.863		
6,900.00	5,932.03	5,917.05	5,850.30	66.21	24.54	40.88	1,376.45	3,573.73	807.77	738.38	69.39	11.641		
7,000.00	6,012.67	5,995.44	5,927.89	67.44	24.89	44.13	1,365.57	3,576.36	765.78	693.07	72.71	10.532		
7,100.00	6,093.31	6,070.85	6,002.47	68.66	25.22	47.53	1,354.73	3,578.92	726.95	650.69	76.26	9.532		
7,200.00	6,173.95	6,145.14	6,075.88	69.89	25.55	51.14	1,343.65	3,581.62	692.05	612.04	80.01	8.649		
7,300.00	6,254.59	6,231.18	6,161.00	71.12	25.92	55.56	1,331.57	3,584.75	661.10	577.14	83.96	7.874		
7,400.00	6,335.23	6,309.17	6,238.32	72.35	26.26	59.75	1,321.61	3,587.35	634.18	546.35	87.83	7.220		
7,500.00	6,415.87	6,387.44	6,315.85	73.58	26.59	64.20	1,311.26	3,589.90	612.63	521.02	91.61	6.687		
7,600.00	6,496.51	6,471.60	6,399.31	74.81	26.94	69.14	1,300.74	3,592.67	596.58	501.38	95.19	6.267		
7,700.00	6,577.15	6,559.70	6,486.90	76.04	27.30	74.35	1,291.77	3,595.51	585.35	486.97	98.38	5.950		
7,800.00	6,657.79	6,643.15	6,569.96	77.27	27.63	79.38	1,283.98	3,597.67	579.59	478.60	101.00	5.739		
7,848.16	6,696.62	6,683.36	6,610.00	77.86	27.79	81.83	1,280.30	3,598.44	578.90	476.86	102.05	5.673		
7,900.00	6,738.43	6,726.95	6,653.41	78.50	27.95	84.50	1,276.39	3,599.05	579.70	476.69	103.01	5.628		
8,000.00	6,819.07	6,815.11	6,741.28	79.73	28.29	89.85	1,269.40	3,600.01	585.38	480.96	104.42	5.606		
8,100.00	6,899.71	6,907.66	6,833.67	80.96	28.62	95.29	1,263.99	3,600.94	595.82	490.58	105.24	5.662		
8,200.00	6,980.35	6,997.41	6,923.35	82.18	28.93	100.34	1,260.62	3,602.02	610.57	505.09	105.47	5.789		
8,240.58	7,013.07	7,033.03	6,958.94	82.68	29.05	102.28	1,259.69	3,602.50	617.75	512.32	105.43	5.859		
8,250.00	7,020.68	7,041.30	6,967.22	82.80	29.07	101.57	1,259.50	3,602.61	619.44	514.03	105.41	5.877		
8,300.00	7,061.63	7,085.98	7,011.89	83.40	29.22	97.26	1,258.61	3,603.23	626.50	521.25	105.25	5.952		
8,350.00	7,103.23	7,131.27	7,057.17	83.97	29.36	92.22	1,257.99	3,603.90	630.23	525.23	105.01	6.002		
8,400.00	7,145.18	7,177.10	7,102.98	84.51	29.51	86.75	1,257.61	3,604.68	630.54	525.86	104.68	6.023		
8,450.00	7,187.16	7,223.61	7,149.49	85.01	29.65	81.26	1,257.51	3,605.50	627.34	523.08	104.26	6.017		
8,500.00	7,228.84	7,269.68	7,195.55	85.46	29.78	76.11	1,257.70	3,606.09	620.63	516.90	103.73	5.983		
8,550.00	7,269.91	7,332.20	7,258.05	85.86	29.95	72.53	1,259.07	3,606.70	610.07	506.95	103.11	5.917		
8,600.00	7,310.05	7,416.92	7,342.51	86.20	30.16	71.39	1,265.45	3,607.69	594.46	492.38	102.09	5.823		
8,650.00	7,348.97	7,517.40	7,441.42	86.50	30.35	73.46	1,282.77	3,607.56	572.48	472.69	99.79	5.737		
8,700.00	7,386.36	7,611.64	7,531.62	86.74	30.47	78.35	1,309.89	3,607.50	544.30	448.20	96.10	5.664		
8,750.00	7,421.94	7,661.30	7,577.69	86.93	30.52	82.10	1,328.39	3,606.38	512.53	419.33	93.21	5.499		
8,800.00	7,455.44	7,718.43	7,628.99	87.07	30.56	89.68	1,353.38	3,604.31	478.86	390.03	88.82	5.391		
8,850.00	7,486.61	7,767.56	7,671.10	87.16	30.57	98.74	1,378.63	3,602.95	444.28	360.48	83.80	5.302		
8,900.00	7,515.20	7,781.73	7,682.79	87.20	30.58	102.96	1,386.63	3,602.67	410.44	329.58	80.85	5.076		
8,950.00	7,541.00	7,775.33	7,677.54	87.21	30.58	103.58	1,382.97	3,602.79	378.49	299.40	79.08	4.786		
9,000.00	7,563.81	7,762.44	7,666.82	87.17	30.57	102.83	1,375.82	3,603.06	349.11	271.95	77.16	4.524		
9,050.00	7,583.47	7,747.60	7,654.26	87.10	30.57	101.44	1,367.92	3,603.42	322.95	248.22	74.73	4.321		
9,100.00	7,599.81	7,731.38	7,640.30	87.00	30.56	99.45	1,359.68	3,603.89	300.76	228.68	72.07	4.173		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ RANCHVIEW 28C-11HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,150.00	7,612.72	7,713.69	7,624.82	86.88	30.55	96.80	1,351.13	3,604.48	283.22	213.30	69.92	4.051		
9,200.00	7,622.09	7,696.65	7,609.69	86.72	30.54	93.90	1,343.34	3,605.10	271.01	201.45	69.56	3.896		
9,250.00	7,627.87	7,678.86	7,593.68	86.55	30.53	90.51	1,335.61	3,605.75	264.59	192.64	71.95	3.677		
9,280.16	7,629.58	7,667.67	7,583.51	86.44	30.52	88.24	1,330.96	3,606.15	263.55	188.90	74.64	3.531 CC		
9,303.98	7,630.00	7,658.90	7,575.49	86.35	30.52	86.41	1,327.43	3,606.47	264.18	186.92	77.27	3.419 ES		
9,400.00	7,630.00	7,629.00	7,547.85	85.99	30.49	80.45	1,316.05	3,607.27	283.86	194.65	89.21	3.182 SF		
9,500.00	7,630.00	7,602.24	7,522.78	85.62	30.46	75.21	1,306.70	3,607.58	330.68	232.43	98.25	3.366		
9,600.00	7,630.00	7,579.30	7,501.05	85.28	30.43	70.86	1,299.36	3,607.66	395.55	292.33	103.22	3.832		
9,700.00	7,630.00	7,559.46	7,482.08	84.95	30.41	67.24	1,293.54	3,607.62	471.45	365.69	105.76	4.458		
9,800.00	7,630.00	7,541.88	7,465.15	84.64	30.38	64.17	1,288.77	3,607.58	554.09	447.03	107.05	5.176		
9,900.00	7,630.00	7,520.00	7,443.95	84.34	30.35	60.54	1,283.37	3,607.56	641.08	533.61	107.48	5.965		
10,000.00	7,630.00	7,520.00	7,443.95	84.06	30.35	60.54	1,283.37	3,607.56	730.89	622.57	108.32	6.747		
10,100.00	7,630.00	7,501.78	7,426.20	83.80	30.32	57.67	1,279.32	3,607.59	822.66	714.35	108.31	7.596		
10,200.00	7,630.00	7,491.43	7,416.07	83.56	30.30	56.11	1,277.20	3,607.63	915.94	807.54	108.40	8.450		
10,300.00	7,630.00	7,473.00	7,397.96	83.33	30.27	53.46	1,273.74	3,607.75	1,010.40	902.16	108.25	9.334		
10,400.00	7,630.00	7,473.00	7,397.96	83.12	30.27	53.46	1,273.74	3,607.75	1,105.53	997.12	108.41	10.197		
10,500.00	7,630.00	7,473.00	7,397.96	82.92	30.27	53.46	1,273.74	3,607.75	1,201.45	1,092.95	108.50	11.073		
10,600.00	7,630.00	7,459.25	7,384.41	82.75	30.24	51.58	1,271.41	3,607.83	1,297.81	1,189.45	108.36	11.977		
10,700.00	7,630.00	7,452.74	7,377.98	82.59	30.23	50.73	1,270.37	3,607.85	1,394.64	1,286.33	108.31	12.876		
10,800.00	7,630.00	7,446.73	7,372.04	82.45	30.22	49.95	1,269.45	3,607.85	1,491.82	1,383.56	108.26	13.780		
10,900.00	7,630.00	7,441.17	7,366.55	82.33	30.21	49.26	1,268.64	3,607.84	1,589.30	1,481.09	108.21	14.687		
11,000.00	7,630.00	7,426.00	7,351.51	82.22	30.18	47.43	1,266.57	3,607.76	1,687.11	1,579.04	108.07	15.612		
11,100.00	7,630.00	7,426.00	7,351.51	82.14	30.18	47.43	1,266.57	3,607.76	1,784.99	1,676.93	108.06	16.518		
11,200.00	7,630.00	7,426.00	7,351.51	82.08	30.18	47.43	1,266.57	3,607.76	1,883.09	1,775.04	108.05	17.428		
11,300.00	7,630.00	7,426.00	7,351.51	82.04	30.18	47.43	1,266.57	3,607.76	1,981.38	1,873.35	108.03	18.341		
11,400.00	7,630.00	7,426.00	7,351.51	82.02	30.18	47.43	1,266.57	3,607.76	2,079.84	1,971.83	108.01	19.257		
11,500.00	7,630.00	7,426.00	7,351.51	82.03	30.18	47.43	1,266.57	3,607.76	2,178.43	2,070.45	107.98	20.174		
11,600.00	7,630.00	7,426.00	7,351.51	82.06	30.18	47.43	1,266.57	3,607.76	2,277.15	2,169.20	107.95	21.094		
11,700.00	7,630.00	7,409.60	7,335.23	82.12	30.14	45.57	1,264.61	3,607.62	2,375.76	2,267.93	107.84	22.031		
11,800.00	7,630.00	7,406.79	7,332.44	82.21	30.13	45.26	1,264.31	3,607.59	2,474.61	2,366.81	107.80	22.956		
11,900.00	7,630.00	7,404.14	7,329.80	82.33	30.13	44.98	1,264.03	3,607.56	2,573.53	2,465.76	107.76	23.881		
12,000.00	7,630.00	7,401.64	7,327.32	82.48	30.12	44.71	1,263.78	3,607.54	2,672.52	2,564.79	107.73	24.808		
12,100.00	7,630.00	7,399.27	7,324.96	82.66	30.12	44.46	1,263.54	3,607.51	2,771.57	2,663.88	107.70	25.735		
12,200.00	7,630.00	7,397.03	7,322.73	82.88	30.11	44.22	1,263.33	3,607.49	2,870.69	2,763.02	107.67	26.663		
12,300.00	7,630.00	7,379.00	7,304.77	83.14	30.07	42.40	1,261.80	3,607.27	2,970.04	2,862.47	107.57	27.610		
12,400.00	7,630.00	7,379.00	7,304.77	83.44	30.07	42.40	1,261.80	3,607.27	3,069.21	2,961.65	107.56	28.536		
12,500.00	7,630.00	7,379.00	7,304.77	83.79	30.07	42.40	1,261.80	3,607.27	3,168.43	3,060.89	107.54	29.463		
12,600.00	7,630.00	7,379.00	7,304.77	84.18	30.07	42.40	1,261.80	3,607.27	3,267.69	3,160.17	107.52	30.390		
12,700.00	7,630.00	7,379.00	7,304.77	84.61	30.07	42.40	1,261.80	3,607.27	3,367.00	3,259.50	107.51	31.319		
12,800.00	7,630.00	7,379.00	7,304.77	85.10	30.07	42.40	1,261.80	3,607.27	3,466.35	3,358.86	107.49	32.247		
12,900.00	7,630.00	7,379.00	7,304.77	85.64	30.07	42.40	1,261.80	3,607.27	3,565.74	3,458.26	107.48	33.176		
13,000.00	7,630.00	7,379.00	7,304.77	86.22	30.07	42.40	1,261.80	3,607.27	3,665.16	3,557.69	107.47	34.105		
13,100.00	7,630.00	7,379.00	7,304.77	86.86	30.07	42.40	1,261.80	3,607.27	3,764.61	3,657.16	107.45	35.035		
13,200.00	7,630.00	7,379.00	7,304.77	87.56	30.07	42.40	1,261.80	3,607.27	3,864.09	3,756.65	107.44	35.965		
13,300.00	7,630.00	7,379.00	7,304.77	88.30	30.07	42.40	1,261.80	3,607.27	3,963.59	3,856.16	107.43	36.895		
13,400.00	7,630.00	7,379.00	7,304.77	89.10	30.07	42.40	1,261.80	3,607.27	4,063.12	3,955.70	107.42	37.825		
13,500.00	7,630.00	7,379.00	7,304.77	89.94	30.07	42.40	1,261.80	3,607.27	4,162.67	4,055.27	107.41	38.755		
13,600.00	7,630.00	7,379.00	7,304.77	90.84	30.07	42.40	1,261.80	3,607.27	4,262.25	4,154.85	107.40	39.686		
13,700.00	7,630.00	7,379.00	7,304.77	91.78	30.07	42.40	1,261.80	3,607.27	4,361.84	4,254.45	107.39	40.616		
13,800.00	7,630.00	7,379.00	7,304.77	92.77	30.07	42.40	1,261.80	3,607.27	4,461.45	4,354.07	107.39	41.546		
13,900.00	7,630.00	7,379.00	7,304.77	93.79	30.07	42.40	1,261.80	3,607.27	4,561.08	4,453.70	107.38	42.477		
14,000.00	7,630.00	7,379.00	7,304.77	94.86	30.07	42.40	1,261.80	3,607.27	4,660.72	4,553.35	107.37	43.407		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ RANCHVIEW 28C-11HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,100.00	7,630.00	7,379.00	7,304.77	95.97	30.07	42.40	1,261.80	3,607.27	4,760.38	4,653.01	107.37	44.337		
14,200.00	7,630.00	7,379.00	7,304.77	97.11	30.07	42.40	1,261.80	3,607.27	4,860.05	4,752.69	107.36	45.267		
14,300.00	7,630.00	7,379.00	7,304.77	98.28	30.07	42.40	1,261.80	3,607.27	4,959.74	4,852.38	107.36	46.197		
14,400.00	7,630.00	7,379.00	7,304.77	99.48	30.07	42.40	1,261.80	3,607.27	5,059.44	4,952.08	107.36	47.127		
14,500.00	7,630.00	7,379.00	7,304.77	100.72	30.07	42.40	1,261.80	3,607.27	5,159.15	5,051.79	107.35	48.057		
14,600.00	7,630.00	7,379.00	7,304.77	101.97	30.07	42.40	1,261.80	3,607.27	5,258.87	5,151.51	107.35	48.986		
14,700.00	7,630.00	7,379.00	7,304.77	103.26	30.07	42.40	1,261.80	3,607.27	5,358.60	5,251.25	107.35	49.916		
14,800.00	7,630.00	7,379.00	7,304.77	104.56	30.07	42.40	1,261.80	3,607.27	5,458.34	5,350.99	107.35	50.845		
14,900.00	7,630.00	7,379.00	7,304.77	105.89	30.07	42.40	1,261.80	3,607.27	5,558.09	5,450.74	107.35	51.774		
15,000.00	7,630.00	7,379.00	7,304.77	107.24	30.07	42.40	1,261.80	3,607.27	5,657.85	5,550.49	107.35	52.702		
15,100.00	7,630.00	7,379.00	7,304.77	108.60	30.07	42.40	1,261.80	3,607.27	5,757.62	5,650.26	107.36	53.631		
15,200.00	7,630.00	7,379.00	7,304.77	109.98	30.07	42.40	1,261.80	3,607.27	5,857.39	5,750.03	107.36	54.559		
15,300.00	7,630.00	7,379.00	7,304.77	111.38	30.07	42.40	1,261.80	3,607.27	5,957.17	5,849.81	107.36	55.487		
15,400.00	7,630.00	7,379.00	7,304.77	112.79	30.07	42.40	1,261.80	3,607.27	6,056.96	5,949.60	107.37	56.414		
15,500.00	7,630.00	7,379.00	7,304.77	114.22	30.07	42.40	1,261.80	3,607.27	6,156.76	6,049.39	107.37	57.341		
15,600.00	7,630.00	7,379.00	7,304.77	115.66	30.07	42.40	1,261.80	3,607.27	6,256.56	6,149.19	107.38	58.268		
15,700.00	7,630.00	7,379.00	7,304.77	117.11	30.07	42.40	1,261.80	3,607.27	6,356.37	6,248.99	107.38	59.195		
15,800.00	7,630.00	7,379.00	7,304.77	118.57	30.07	42.40	1,261.80	3,607.27	6,456.19	6,348.80	107.39	60.121		
15,900.00	7,630.00	7,379.00	7,304.77	120.05	30.07	42.40	1,261.80	3,607.27	6,556.01	6,448.62	107.39	61.046		
16,000.00	7,630.00	7,379.00	7,304.77	121.53	30.07	42.40	1,261.80	3,607.27	6,655.84	6,548.44	107.40	61.972		
16,100.00	7,630.00	7,341.31	7,267.15	123.03	29.97	38.97	1,259.49	3,606.80	6,755.08	6,647.75	107.33	62.936		
16,200.00	7,630.00	7,340.45	7,266.29	124.53	29.97	38.89	1,259.45	3,606.79	6,854.89	6,747.55	107.34	63.862		
16,300.00	7,630.00	7,339.61	7,265.46	126.04	29.97	38.82	1,259.41	3,606.78	6,954.71	6,847.36	107.35	64.787		
16,400.00	7,630.00	7,338.79	7,264.64	127.56	29.96	38.75	1,259.37	3,606.77	7,054.53	6,947.17	107.36	65.712		
16,500.00	7,630.00	7,338.00	7,263.84	129.09	29.96	38.69	1,259.33	3,606.76	7,154.35	7,046.99	107.36	66.636		
16,600.00	7,630.00	7,337.21	7,263.06	130.62	29.96	38.62	1,259.29	3,606.76	7,254.18	7,146.81	107.37	67.560		
16,700.00	7,630.00	7,336.45	7,262.30	132.16	29.96	38.56	1,259.26	3,606.75	7,354.02	7,246.63	107.38	68.483		
16,800.00	7,630.00	7,335.71	7,261.55	133.71	29.96	38.49	1,259.23	3,606.74	7,453.85	7,346.46	107.39	69.406		
16,900.00	7,630.00	7,334.98	7,260.82	135.27	29.95	38.43	1,259.19	3,606.73	7,553.70	7,446.29	107.41	70.329		
17,000.00	7,630.00	7,334.26	7,260.11	136.83	29.95	38.37	1,259.16	3,606.72	7,653.54	7,546.12	107.42	71.251		
17,100.00	7,630.00	7,333.56	7,259.41	138.39	29.95	38.32	1,259.13	3,606.72	7,753.39	7,645.96	107.43	72.172		
17,200.00	7,630.00	7,332.88	7,258.73	139.97	29.95	38.26	1,259.10	3,606.71	7,853.24	7,745.80	107.44	73.093		
17,300.00	7,630.00	7,332.21	7,258.06	141.54	29.95	38.21	1,259.07	3,606.70	7,953.10	7,845.64	107.45	74.013		
17,400.00	7,630.00	7,331.56	7,257.41	143.12	29.95	38.15	1,259.05	3,606.69	8,052.96	7,945.49	107.47	74.933		
17,500.00	7,630.00	7,330.92	7,256.77	144.71	29.94	38.10	1,259.02	3,606.69	8,152.82	8,045.34	107.48	75.853		
17,600.00	7,630.00	7,330.29	7,256.14	146.30	29.94	38.05	1,258.99	3,606.68	8,252.68	8,145.19	107.50	76.771		
17,700.00	7,630.00	7,329.67	7,255.53	147.90	29.94	38.00	1,258.97	3,606.67	8,352.55	8,245.04	107.51	77.689		
17,800.00	7,630.00	7,329.07	7,254.93	149.50	29.94	37.95	1,258.94	3,606.67	8,452.42	8,344.89	107.53	78.607		
17,900.00	7,630.00	7,328.48	7,254.34	151.10	29.94	37.90	1,258.92	3,606.66	8,552.29	8,444.75	107.54	79.524		
18,000.00	7,630.00	7,327.90	7,253.76	152.71	29.94	37.85	1,258.90	3,606.65	8,652.17	8,544.61	107.56	80.440		
18,100.00	7,630.00	7,327.34	7,253.19	154.32	29.93	37.81	1,258.87	3,606.65	8,752.05	8,644.47	107.58	81.356		
18,200.00	7,630.00	7,326.78	7,252.64	155.94	29.93	37.76	1,258.85	3,606.64	8,851.93	8,744.34	107.59	82.272		
18,300.00	7,630.00	7,326.23	7,252.09	157.56	29.93	37.72	1,258.83	3,606.63	8,951.81	8,844.20	107.61	83.186		
18,400.00	7,630.00	7,325.70	7,251.56	159.18	29.93	37.68	1,258.81	3,606.63	9,051.70	8,944.07	107.63	84.100		
18,500.00	7,630.00	7,325.17	7,251.03	160.80	29.93	37.63	1,258.79	3,606.62	9,151.59	9,043.94	107.65	85.013		
18,600.00	7,630.00	7,324.66	7,250.52	162.43	29.93	37.59	1,258.77	3,606.62	9,251.48	9,143.81	107.67	85.926		
18,700.00	7,630.00	7,324.15	7,250.01	164.06	29.93	37.55	1,258.75	3,606.61	9,351.37	9,243.68	107.69	86.838		
18,800.00	7,630.00	7,324.00	7,209.87	165.70	29.82	34.57	1,257.82	3,606.22	9,451.88	9,344.25	107.64	87.813		
18,900.00	7,630.00	7,284.00	7,209.87	167.33	29.82	34.57	1,257.82	3,606.22	9,551.76	9,444.11	107.66	88.723		
19,000.00	7,630.00	7,284.00	7,209.87	168.97	29.82	34.57	1,257.82	3,606.22	9,651.65	9,543.97	107.68	89.633		
19,021.79	7,630.00	7,284.00	7,209.87	169.33	29.82	34.57	1,257.82	3,606.22	9,673.41	9,565.73	107.68	89.831		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ RANCHVIEW 3C-11HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	58.00	2,113.10	3,381.58	3,987.70					
100.00	100.00	52.40	52.40	0.13	0.10	58.00	2,113.10	3,381.63	3,987.57	3,987.33	0.23	N/A		
200.00	200.00	126.87	126.86	0.49	0.37	58.01	2,113.01	3,382.18	3,988.13	3,987.27	0.86	4,643.253		
300.00	300.00	223.20	223.20	0.85	0.71	58.01	2,113.14	3,383.16	3,989.06	3,987.50	1.56	2,554.825		
400.00	400.00	311.10	311.09	1.21	1.02	58.01	2,113.60	3,384.03	3,990.18	3,987.95	2.23	1,786.338		
500.00	500.00	448.75	448.73	1.57	1.51	58.01	2,114.22	3,384.83	3,990.88	3,987.81	3.08	1,296.043		
600.00	600.00	534.25	534.23	1.93	1.81	58.00	2,114.99	3,384.91	3,991.44	3,987.70	3.74	1,067.725		
700.00	700.00	663.98	663.95	2.29	2.26	57.98	2,116.54	3,384.38	3,991.71	3,987.16	4.55	877.588		
800.00	799.98	775.89	775.86	2.64	2.65	-3.82	2,117.12	3,383.72	3,989.74	3,984.45	5.29	754.301		
900.00	899.84	885.24	885.20	2.99	3.03	-3.85	2,117.34	3,382.99	3,984.07	3,978.05	6.02	661.756		
1,000.00	999.45	982.82	982.77	3.35	3.36	-3.87	2,117.36	3,382.26	3,974.75	3,968.04	6.71	592.169		
1,100.00	1,098.70	1,069.19	1,069.15	3.73	3.66	-3.90	2,116.97	3,382.11	3,962.20	3,954.83	7.37	537.730		
1,200.00	1,197.47	1,989.48	1,980.26	4.11	7.08	-3.87	2,050.75	3,302.25	3,930.44	3,919.61	10.82	363.099		
1,300.00	1,295.62	2,135.45	2,122.51	4.53	7.73	-3.79	2,025.61	3,281.26	3,890.99	3,879.30	11.68	333.015		
1,400.00	1,393.06	2,201.00	2,186.29	4.97	8.03	-3.79	2,013.89	3,271.71	3,847.77	3,835.49	12.28	313.323		
1,500.00	1,489.64	2,252.02	2,236.03	5.44	8.26	-3.81	2,005.00	3,264.61	3,802.15	3,789.32	12.83	296.302		
1,600.00	1,585.27	2,326.87	2,309.13	5.95	8.60	-3.81	1,992.33	3,254.70	3,754.21	3,740.75	13.46	278.852		
1,700.00	1,679.82	2,518.05	2,495.25	6.51	9.51	-3.71	1,958.49	3,227.14	3,702.13	3,687.66	14.47	255.817		
1,800.00	1,773.17	2,572.00	2,547.55	7.13	9.77	-3.74	1,948.43	3,218.52	3,645.70	3,630.67	15.04	242.455		
1,900.00	1,865.21	2,643.52	2,616.98	7.79	10.12	-3.77	1,935.52	3,207.25	3,586.72	3,571.06	15.66	229.073		
2,000.00	1,955.84	2,685.22	2,657.62	8.51	10.32	-3.84	1,928.59	3,200.99	3,526.02	3,509.83	16.19	217.845		
2,100.00	2,044.94	2,726.49	2,697.95	9.30	10.52	-3.93	1,922.16	3,195.03	3,463.41	3,446.70	16.71	207.208		
2,200.00	2,132.39	2,769.91	2,740.48	10.15	10.73	-4.03	1,915.84	3,189.02	3,398.92	3,381.67	17.25	197.026		
2,300.00	2,218.11	2,826.53	2,796.01	11.07	11.00	-4.13	1,907.66	3,181.59	3,332.34	3,314.51	17.83	186.933		
2,400.00	2,301.97	2,932.54	2,899.93	12.06	11.50	-4.21	1,891.47	3,168.26	3,263.31	3,244.77	18.54	176.037		
2,500.00	2,383.88	3,006.28	2,972.02	13.11	11.85	-4.30	1,879.20	3,158.77	3,191.02	3,171.87	19.15	166.605		
2,512.74	2,394.17	3,014.22	2,979.78	13.25	11.89	-4.32	1,877.83	3,157.79	3,181.65	3,162.42	19.23	165.434		
2,600.00	2,464.54	3,074.64	3,047.64	14.22	9.85	-4.21	1,860.43	3,145.18	3,116.74	3,098.93	17.81	174.978		
2,700.00	2,545.18	3,248.69	3,207.97	15.35	13.07	-4.06	1,835.22	3,124.88	3,041.01	3,020.42	20.59	147.695		
2,800.00	2,625.82	3,318.41	3,275.59	16.50	13.43	-3.99	1,822.27	3,113.95	2,964.93	2,943.76	21.18	140.000		
2,900.00	2,706.45	3,363.00	3,363.00	17.65	11.23	-3.89	1,805.33	3,098.91	2,888.15	2,868.39	19.76	146.172		
3,000.00	2,787.09	3,462.36	3,414.92	18.82	14.19	-3.84	1,795.35	3,089.76	2,811.33	2,788.96	22.37	125.675		
3,100.00	2,867.73	3,497.89	3,449.40	19.99	14.38	-3.81	1,789.03	3,083.97	2,735.17	2,712.26	22.91	119.380		
3,200.00	2,948.37	3,585.11	3,534.10	21.17	14.84	-3.71	1,773.47	3,070.22	2,659.38	2,635.85	23.54	112.989		
3,300.00	3,029.01	3,641.71	3,588.91	22.36	15.14	-3.63	1,762.61	3,061.19	2,582.96	2,558.84	24.12	107.077		
3,400.00	3,109.65	3,681.76	3,627.79	23.55	15.35	-3.57	1,755.24	3,055.03	2,507.14	2,482.44	24.70	101.505		
3,500.00	3,190.29	3,742.07	3,686.48	24.74	15.66	-3.49	1,744.57	3,046.08	2,431.85	2,406.54	25.30	96.104		
3,600.00	3,270.93	3,814.33	3,756.69	25.94	16.04	-3.37	1,731.33	3,035.30	2,356.30	2,330.38	25.92	90.908		
3,700.00	3,351.57	3,864.93	3,805.88	27.14	16.30	-3.27	1,721.94	3,028.01	2,280.98	2,254.45	26.53	85.975		
3,800.00	3,432.21	3,916.59	3,856.15	28.35	16.57	-3.16	1,712.43	3,020.91	2,206.09	2,178.94	27.15	81.253		
3,900.00	3,512.85	3,969.37	3,907.62	29.56	16.84	-3.05	1,703.11	3,013.80	2,131.63	2,103.85	27.78	76.732		
4,000.00	3,593.49	4,028.76	3,965.62	30.76	17.14	-2.94	1,693.13	3,005.87	2,057.55	2,029.14	28.41	72.413		
4,100.00	3,674.13	4,091.51	4,026.96	31.97	17.45	-2.82	1,682.97	2,997.43	1,983.64	1,954.59	29.05	68.283		
4,200.00	3,754.77	4,154.93	4,089.03	33.19	17.77	-2.73	1,673.23	2,988.74	1,909.88	1,880.19	29.69	64.331		
4,300.00	3,835.41	4,268.80	4,200.31	34.40	18.34	-2.58	1,656.09	2,971.76	1,835.63	1,805.39	30.24	60.711		
4,400.00	3,916.05	4,337.38	4,267.11	35.62	18.70	-2.49	1,645.33	2,960.54	1,760.20	1,729.35	30.85	57.058		
4,500.00	3,996.69	4,417.58	4,345.15	36.83	19.12	-2.38	1,632.64	2,947.13	1,684.53	1,653.11	31.43	53.604		
4,600.00	4,077.33	4,518.76	4,443.23	38.05	19.67	-2.19	1,615.62	2,929.06	1,607.91	1,576.01	31.91	50.396		
4,700.00	4,157.96	4,587.29	4,509.31	39.27	20.04	-2.01	1,602.88	2,916.13	1,530.06	1,497.58	32.49	47.095		
4,800.00	4,238.60	4,637.80	4,558.11	40.49	20.33	-1.87	1,593.74	2,906.81	1,452.64	1,419.48	33.16	43.801		
4,900.00	4,319.24	4,704.80	4,622.89	41.71	20.70	-1.66	1,581.70	2,894.69	1,375.47	1,341.71	33.76	40.742		
5,000.00	4,399.88	4,762.90	4,679.00	42.93	21.02	-1.42	1,570.78	2,884.28	1,298.15	1,263.74	34.41	37.721		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ RANCHVIEW 3C-11HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,480.52	4,808.78	4,723.44	44.15	21.27	-1.22	1,562.41	2,876.53	1,221.58	1,186.41	35.17	34.730		
5,200.00	4,561.16	4,874.51	4,787.28	45.37	21.62	-0.90	1,550.84	2,866.00	1,145.77	1,109.97	35.80	32.004		
5,300.00	4,641.80	4,965.33	4,875.12	46.59	22.13	-0.35	1,533.89	2,850.34	1,068.91	1,032.74	36.18	29.545		
5,400.00	4,722.44	5,042.55	4,949.28	47.82	22.57	0.28	1,518.04	2,835.82	990.54	953.90	36.64	27.032		
5,500.00	4,803.08	5,095.52	5,000.17	49.04	22.88	0.80	1,507.14	2,825.93	912.30	874.90	37.40	24.392		
5,600.00	4,883.72	5,149.18	5,051.85	50.27	23.18	1.40	1,496.31	2,816.36	834.73	796.53	38.20	21.853		
5,700.00	4,964.36	5,203.72	5,104.46	51.49	23.49	2.19	1,485.06	2,807.43	757.91	718.87	39.04	19.414		
5,800.00	5,045.00	5,270.58	5,168.97	52.71	23.87	3.43	1,470.87	2,797.05	681.50	641.77	39.73	17.152		
5,900.00	5,125.64	5,332.71	5,228.81	53.94	24.22	4.91	1,457.37	2,787.22	604.93	564.34	40.58	14.905		
6,000.00	5,206.28	5,388.85	5,283.06	55.17	24.53	6.54	1,445.65	2,778.77	529.28	487.57	41.71	12.690		
6,100.00	5,286.92	5,455.96	5,348.03	56.39	24.91	9.04	1,431.99	2,768.99	454.40	411.63	42.77	10.625		
6,200.00	5,367.56	5,522.01	5,411.81	57.62	25.27	12.51	1,418.08	2,758.96	379.47	335.25	44.23	8.580		
6,300.00	5,448.20	5,584.97	5,472.68	58.84	25.62	17.20	1,405.15	2,749.38	305.56	259.01	46.55	6.564		
6,400.00	5,528.84	5,648.35	5,534.05	60.07	25.97	24.32	1,392.44	2,739.90	233.63	183.07	50.55	4.622		
6,500.00	5,609.47	5,712.78	5,596.48	61.30	26.33	36.22	1,379.58	2,730.55	165.91	107.30	58.61	2.831		
6,600.00	5,690.11	5,778.23	5,659.97	62.53	26.68	56.84	1,366.84	2,721.04	109.51	34.07	75.45	1.452	Level 3	
6,686.46	5,759.84	5,835.65	5,715.71	63.59	26.99	83.24	1,356.04	2,712.42	88.03	-1.76	89.79	0.980	Level 1, CC, ES, SF	
6,700.00	5,770.75	5,844.61	5,724.40	63.75	27.04	87.66	1,354.39	2,711.02	88.62	-1.12	89.74	0.988	Level 1	
6,800.00	5,851.39	5,910.61	5,788.48	64.98	27.40	116.28	1,342.57	2,700.53	122.94	47.94	75.00	1.639		
6,900.00	5,932.03	5,977.72	5,853.78	66.21	27.76	134.38	1,331.14	2,690.06	183.58	120.21	63.37	2.897		
7,000.00	6,012.67	6,039.70	5,914.03	67.44	28.09	143.98	1,320.05	2,680.65	252.65	194.85	57.80	4.371		
7,100.00	6,093.31	6,110.34	5,982.64	68.66	28.47	150.49	1,306.76	2,670.46	324.80	269.01	55.80	5.821		
7,200.00	6,173.95	6,191.04	6,061.59	69.89	28.87	155.13	1,293.32	2,660.55	396.12	340.64	55.48	7.140		
7,300.00	6,254.59	6,274.04	6,143.35	71.12	29.26	158.31	1,281.50	2,652.41	465.63	409.95	55.69	8.362		
7,400.00	6,335.23	6,349.92	6,218.29	72.35	29.60	160.44	1,271.73	2,645.73	534.39	478.58	55.81	9.575		
7,500.00	6,415.87	6,423.36	6,290.92	73.58	29.92	162.13	1,263.14	2,639.03	603.02	547.03	55.99	10.770		
7,600.00	6,496.51	6,516.29	6,383.04	74.81	30.31	163.94	1,254.17	2,630.68	670.90	614.05	56.84	11.803		
7,700.00	6,577.15	6,607.56	6,473.84	76.04	30.66	165.37	1,247.54	2,624.43	736.52	678.89	57.63	12.780		
7,800.00	6,657.79	6,692.55	6,558.55	77.27	30.97	166.48	1,242.44	2,619.63	801.01	742.74	58.27	13.746		
7,900.00	6,738.43	6,775.64	6,641.42	78.50	31.26	167.45	1,238.53	2,615.08	864.91	806.02	58.88	14.688		
8,000.00	6,819.07	6,865.12	6,730.72	79.73	31.57	168.37	1,235.15	2,610.61	928.22	868.57	59.64	15.563		
8,100.00	6,899.71	6,958.13	6,823.63	80.96	31.87	169.23	1,233.08	2,606.91	990.23	929.77	60.46	16.377		
8,200.00	6,980.35	7,042.97	6,908.42	82.18	32.13	169.92	1,231.92	2,604.16	1,051.48	990.35	61.14	17.199		
8,240.58	7,013.07	7,075.23	6,940.66	82.68	32.23	170.16	1,231.53	2,603.16	1,076.29	1,014.92	61.38	17.536		
8,250.00	7,020.68	7,082.74	6,948.17	82.80	32.26	168.43	1,231.44	2,602.93	1,082.02	1,020.59	61.43	17.614		
8,300.00	7,061.63	7,124.92	6,990.33	83.40	32.39	159.21	1,230.92	2,601.67	1,111.22	1,049.49	61.73	18.000		
8,350.00	7,103.23	7,169.73	7,035.13	83.97	32.52	149.97	1,230.25	2,600.60	1,138.22	1,076.18	62.04	18.347		
8,400.00	7,145.18	7,219.43	7,084.81	84.51	32.67	140.96	1,229.38	2,599.77	1,162.84	1,100.45	62.40	18.637		
8,450.00	7,187.16	7,275.93	7,141.30	85.01	32.84	132.51	1,228.70	2,599.35	1,184.75	1,121.91	62.84	18.854		
8,500.00	7,228.84	7,322.95	7,188.32	85.46	32.97	124.57	1,228.46	2,599.31	1,203.95	1,140.84	63.11	19.078		
8,550.00	7,269.91	7,365.63	7,231.00	85.86	33.08	117.42	1,228.55	2,599.19	1,220.80	1,157.49	63.31	19.283		
8,600.00	7,310.05	7,568.51	7,432.05	86.20	33.48	116.26	1,251.02	2,600.83	1,233.15	1,167.74	65.41	18.853		
8,650.00	7,348.97	7,690.93	7,546.48	86.50	33.56	114.91	1,293.86	2,599.91	1,239.33	1,173.09	66.24	18.710		
8,700.00	7,386.36	8,700.00	7,772.60	86.74	32.29	122.96	1,477.83	2,593.73	1,243.62	1,174.79	68.83	18.068		
8,750.00	7,421.94	8,005.20	7,784.03	86.93	33.30	119.72	1,493.57	2,593.47	1,246.03	1,175.76	70.27	17.732		
8,800.00	7,455.44	7,987.74	7,774.05	87.07	33.33	115.35	1,479.24	2,593.72	1,248.91	1,178.05	70.85	17.627		
8,850.00	7,486.61	7,966.56	7,761.43	87.16	33.37	111.32	1,462.23	2,594.00	1,252.17	1,180.82	71.35	17.549		
8,900.00	7,515.20	7,942.49	7,746.42	87.20	33.41	107.61	1,443.42	2,594.28	1,255.67	1,183.89	71.78	17.492		
8,950.00	7,541.00	7,918.03	7,730.27	87.21	33.44	104.29	1,425.05	2,594.47	1,259.24	1,187.02	72.22	17.437		
9,000.00	7,563.81	7,875.21	7,699.81	87.17	33.50	100.54	1,395.00	2,594.68	1,262.69	1,190.45	72.24	17.479		
9,050.00	7,583.47	7,794.53	7,635.95	87.10	33.55	95.47	1,345.81	2,596.42	1,265.36	1,194.00	71.36	17.732		
9,100.00	7,599.81	7,775.26	7,619.86	87.00	33.56	93.44	1,335.23	2,597.12	1,267.55	1,195.59	71.96	17.614		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ RANCHVIEW 3C-11HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,150.00	7,612.72	7,756.98	7,604.35	86.88	33.57	91.75	1,325.58	2,597.80	1,269.26	1,196.57	72.69	17.462		
9,200.00	7,622.09	7,740.41	7,590.10	86.72	33.57	90.42	1,317.16	2,598.40	1,270.42	1,196.86	73.56	17.269		
9,250.00	7,627.87	7,722.55	7,574.54	86.55	33.57	89.32	1,308.42	2,599.00	1,270.93	1,196.42	74.52	17.056		
9,303.98	7,630.00	7,704.14	7,558.28	86.35	33.57	88.48	1,299.79	2,599.56	1,270.66	1,194.97	75.69	16.788		
9,323.92	7,630.00	7,697.55	7,552.41	86.27	33.57	88.21	1,296.80	2,599.74	1,270.53	1,194.37	76.16	16.683		
9,400.00	7,630.00	7,674.48	7,531.63	85.99	33.56	87.28	1,286.78	2,600.27	1,272.49	1,194.45	78.05	16.304		
9,500.00	7,630.00	7,649.72	7,508.97	85.62	33.55	86.26	1,276.82	2,600.67	1,281.17	1,200.39	80.78	15.859		
9,600.00	7,630.00	7,622.00	7,483.15	85.28	33.53	85.10	1,266.77	2,600.87	1,296.89	1,213.44	83.46	15.540		
9,700.00	7,630.00	7,610.75	7,472.53	84.95	33.52	84.62	1,263.04	2,600.90	1,319.43	1,232.96	86.47	15.258		
9,800.00	7,630.00	7,594.86	7,457.41	84.64	33.51	83.94	1,258.14	2,600.90	1,348.65	1,259.46	89.19	15.121		
9,900.00	7,630.00	7,575.00	7,438.33	84.34	33.49	83.09	1,252.66	2,600.86	1,384.21	1,292.61	91.60	15.111		
10,000.00	7,630.00	7,575.00	7,438.33	84.06	33.49	83.09	1,252.66	2,600.86	1,425.64	1,331.47	94.17	15.139		
10,100.00	7,630.00	7,560.37	7,424.15	83.80	33.47	82.46	1,249.05	2,600.78	1,472.51	1,376.36	96.15	15.315		
10,200.00	7,630.00	7,551.66	7,415.68	83.56	33.46	82.09	1,247.06	2,600.70	1,524.38	1,426.41	97.97	15.560		
10,300.00	7,630.00	7,543.91	7,408.10	83.33	33.45	81.75	1,245.38	2,600.62	1,580.77	1,481.23	99.54	15.881		
10,400.00	7,630.00	7,528.00	7,392.51	83.12	33.43	81.07	1,242.25	2,600.39	1,641.30	1,540.54	100.76	16.290		
10,500.00	7,630.00	7,528.00	7,392.51	82.92	33.43	81.07	1,242.25	2,600.39	1,705.34	1,603.35	101.99	16.720		
10,600.00	7,630.00	7,528.00	7,392.51	82.75	33.43	81.07	1,242.25	2,600.39	1,772.70	1,669.68	103.02	17.207		
10,700.00	7,630.00	7,528.00	7,392.51	82.59	33.43	81.07	1,242.25	2,600.39	1,843.04	1,739.16	103.87	17.743		
10,800.00	7,630.00	7,511.39	7,376.16	82.45	33.40	80.35	1,239.34	2,600.11	1,915.81	1,811.41	104.40	18.351		
10,900.00	7,630.00	7,505.79	7,370.63	82.33	33.39	80.11	1,238.43	2,600.01	1,990.96	1,886.03	104.93	18.974		
11,000.00	7,630.00	7,500.61	7,365.52	82.22	33.38	79.89	1,237.63	2,599.92	2,068.19	1,962.82	105.37	19.629		
11,100.00	7,630.00	7,495.83	7,360.79	82.14	33.37	79.68	1,236.92	2,599.83	2,147.26	2,041.54	105.72	20.311		
11,200.00	7,630.00	7,481.00	7,346.11	82.08	33.35	79.04	1,234.88	2,599.55	2,228.06	2,122.14	105.92	21.036		
11,300.00	7,630.00	7,481.00	7,346.11	82.04	33.35	79.04	1,234.88	2,599.55	2,310.21	2,204.03	106.18	21.758		
11,400.00	7,630.00	7,481.00	7,346.11	82.02	33.35	79.04	1,234.88	2,599.55	2,393.72	2,287.34	106.38	22.501		
11,500.00	7,630.00	7,481.00	7,346.11	82.03	33.35	79.04	1,234.88	2,599.55	2,478.45	2,371.92	106.54	23.263		
11,600.00	7,630.00	7,481.00	7,346.11	82.06	33.35	79.04	1,234.88	2,599.55	2,564.29	2,457.63	106.66	24.042		
11,700.00	7,630.00	7,481.00	7,346.11	82.12	33.35	79.04	1,234.88	2,599.55	2,651.11	2,544.37	106.74	24.836		
11,800.00	7,630.00	7,481.00	7,346.11	82.21	33.35	79.04	1,234.88	2,599.55	2,738.84	2,632.04	106.80	25.644		
11,900.00	7,630.00	7,481.00	7,346.11	82.33	33.35	79.04	1,234.88	2,599.55	2,827.38	2,720.54	106.84	26.465		
12,000.00	7,630.00	7,481.00	7,346.11	82.48	33.35	79.04	1,234.88	2,599.55	2,916.66	2,809.80	106.85	27.296		
12,100.00	7,630.00	7,462.62	7,327.85	82.66	33.31	78.25	1,232.75	2,599.25	3,006.36	2,899.60	106.76	28.159		
12,200.00	7,630.00	7,460.38	7,325.62	82.88	33.31	78.16	1,232.52	2,599.23	3,096.87	2,990.12	106.75	29.012		
12,300.00	7,630.00	7,458.27	7,323.52	83.14	33.30	78.07	1,232.32	2,599.20	3,187.94	3,081.22	106.72	29.872		
12,400.00	7,630.00	7,456.28	7,321.54	83.44	33.30	77.98	1,232.13	2,599.18	3,279.52	3,172.83	106.68	30.741		
12,500.00	7,630.00	7,454.41	7,319.68	83.79	33.29	77.90	1,231.95	2,599.16	3,371.57	3,264.93	106.64	31.616		
12,600.00	7,630.00	7,452.63	7,317.91	84.18	33.29	77.82	1,231.79	2,599.14	3,464.06	3,357.47	106.60	32.497		
12,700.00	7,630.00	7,433.00	7,298.33	84.61	33.25	76.98	1,230.33	2,599.02	3,557.20	3,450.72	106.48	33.408		
12,800.00	7,630.00	7,433.00	7,298.33	85.10	33.25	76.98	1,230.33	2,599.02	3,650.42	3,543.99	106.43	34.298		
12,900.00	7,630.00	7,433.00	7,298.33	85.64	33.25	76.98	1,230.33	2,599.02	3,743.99	3,637.61	106.38	35.193		
13,000.00	7,630.00	7,433.00	7,298.33	86.22	33.25	76.98	1,230.33	2,599.02	3,837.89	3,731.56	106.33	36.093		
13,100.00	7,630.00	7,433.00	7,298.33	86.86	33.25	76.98	1,230.33	2,599.02	3,932.09	3,825.81	106.28	36.998		
13,200.00	7,630.00	7,433.00	7,298.33	87.56	33.25	76.98	1,230.33	2,599.02	4,026.57	3,920.34	106.22	37.906		
13,300.00	7,630.00	7,433.00	7,298.33	88.30	33.25	76.98	1,230.33	2,599.02	4,121.31	4,015.14	106.17	38.818		
13,400.00	7,630.00	7,433.00	7,298.33	89.10	33.25	76.98	1,230.33	2,599.02	4,216.29	4,110.17	106.11	39.734		
13,500.00	7,630.00	7,433.00	7,298.33	89.94	33.25	76.98	1,230.33	2,599.02	4,311.50	4,205.44	106.06	40.653		
13,600.00	7,630.00	7,433.00	7,298.33	90.84	33.25	76.98	1,230.33	2,599.02	4,406.92	4,300.92	106.00	41.575		
13,700.00	7,630.00	7,433.00	7,298.33	91.78	33.25	76.98	1,230.33	2,599.02	4,502.54	4,396.59	105.94	42.499		
13,800.00	7,630.00	7,433.00	7,298.33	92.77	33.25	76.98	1,230.33	2,599.02	4,598.34	4,492.45	105.89	43.426		
13,900.00	7,630.00	7,433.00	7,298.33	93.79	33.25	76.98	1,230.33	2,599.02	4,694.32	4,588.49	105.83	44.356		
14,000.00	7,630.00	7,433.00	7,298.33	94.86	33.25	76.98	1,230.33	2,599.02	4,790.47	4,684.69	105.78	45.287		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ RANCHVIEW 3C-11HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,100.00	7,630.00	7,433.00	7,298.33	95.97	33.25	76.98	1,230.33	2,599.02	4,886.77	4,781.04	105.73	46.221		
14,200.00	7,630.00	7,433.00	7,298.33	97.11	33.25	76.98	1,230.33	2,599.02	4,983.22	4,877.54	105.67	47.157		
14,300.00	7,630.00	7,433.00	7,298.33	98.28	33.25	76.98	1,230.33	2,599.02	5,079.80	4,974.18	105.62	48.094		
14,400.00	7,630.00	7,433.00	7,298.33	99.48	33.25	76.98	1,230.33	2,599.02	5,176.51	5,070.94	105.57	49.033		
14,500.00	7,630.00	7,433.00	7,298.33	100.72	33.25	76.98	1,230.33	2,599.02	5,273.35	5,167.82	105.52	49.973		
14,600.00	7,630.00	7,433.00	7,298.33	101.97	33.25	76.98	1,230.33	2,599.02	5,370.30	5,264.82	105.48	50.915		
14,700.00	7,630.00	7,433.00	7,298.33	103.26	33.25	76.98	1,230.33	2,599.02	5,467.36	5,361.93	105.43	51.858		
14,800.00	7,630.00	7,433.00	7,298.33	104.56	33.25	76.98	1,230.33	2,599.02	5,564.53	5,459.14	105.38	52.802		
14,900.00	7,630.00	7,433.00	7,298.33	105.89	33.25	76.98	1,230.33	2,599.02	5,661.79	5,556.45	105.34	53.748		
15,000.00	7,630.00	7,433.00	7,298.33	107.24	33.25	76.98	1,230.33	2,599.02	5,759.15	5,653.85	105.30	54.694		
15,100.00	7,630.00	7,433.00	7,298.33	108.60	33.25	76.98	1,230.33	2,599.02	5,856.60	5,751.34	105.26	55.641		
15,200.00	7,630.00	7,433.00	7,298.33	109.98	33.25	76.98	1,230.33	2,599.02	5,954.13	5,848.91	105.22	56.589		
15,300.00	7,630.00	7,433.00	7,298.33	111.38	33.25	76.98	1,230.33	2,599.02	6,051.74	5,946.56	105.18	57.538		
15,400.00	7,630.00	7,433.00	7,298.33	112.79	33.25	76.98	1,230.33	2,599.02	6,149.43	6,044.29	105.14	58.488		
15,500.00	7,630.00	7,433.00	7,298.33	114.22	33.25	76.98	1,230.33	2,599.02	6,247.19	6,142.09	105.10	59.438		
15,600.00	7,630.00	7,433.00	7,298.33	115.66	33.25	76.98	1,230.33	2,599.02	6,345.02	6,239.95	105.07	60.389		
15,700.00	7,630.00	7,433.00	7,298.33	117.11	33.25	76.98	1,230.33	2,599.02	6,442.92	6,337.89	105.04	61.340		
15,800.00	7,630.00	7,433.00	7,298.33	118.57	33.25	76.98	1,230.33	2,599.02	6,540.88	6,435.88	105.00	62.292		
15,900.00	7,630.00	7,433.00	7,298.33	120.05	33.25	76.98	1,230.33	2,599.02	6,638.91	6,533.93	104.97	63.244		
16,000.00	7,630.00	7,433.00	7,298.33	121.53	33.25	76.98	1,230.33	2,599.02	6,736.99	6,632.04	104.94	64.196		
16,100.00	7,630.00	7,433.00	7,298.33	123.03	33.25	76.98	1,230.33	2,599.02	6,835.12	6,730.21	104.92	65.149		
16,200.00	7,630.00	7,433.00	7,298.33	124.53	33.25	76.98	1,230.33	2,599.02	6,933.31	6,828.43	104.89	66.102		
16,300.00	7,630.00	7,433.00	7,298.33	126.04	33.25	76.98	1,230.33	2,599.02	7,031.56	6,926.69	104.86	67.055		
16,400.00	7,630.00	7,433.00	7,298.33	127.56	33.25	76.98	1,230.33	2,599.02	7,129.85	7,025.01	104.84	68.008		
16,500.00	7,630.00	7,433.00	7,298.33	129.09	33.25	76.98	1,230.33	2,599.02	7,228.18	7,123.37	104.81	68.962		
16,600.00	7,630.00	7,433.00	7,298.33	130.62	33.25	76.98	1,230.33	2,599.02	7,326.56	7,221.77	104.79	69.915		
16,700.00	7,630.00	7,433.00	7,298.33	132.16	33.25	76.98	1,230.33	2,599.02	7,424.99	7,320.22	104.77	70.869		
16,800.00	7,630.00	7,433.00	7,298.33	133.71	33.25	76.98	1,230.33	2,599.02	7,523.46	7,418.70	104.75	71.822		
16,900.00	7,630.00	7,433.00	7,298.33	135.27	33.25	76.98	1,230.33	2,599.02	7,621.96	7,517.23	104.73	72.776		
17,000.00	7,630.00	7,433.00	7,298.33	136.83	33.25	76.98	1,230.33	2,599.02	7,720.51	7,615.79	104.71	73.729		
17,100.00	7,630.00	7,433.00	7,298.33	138.39	33.25	76.98	1,230.33	2,599.02	7,819.09	7,714.39	104.70	74.683		
17,200.00	7,630.00	7,433.00	7,298.33	139.97	33.25	76.98	1,230.33	2,599.02	7,917.71	7,813.02	104.68	75.636		
17,300.00	7,630.00	7,433.00	7,298.33	141.54	33.25	76.98	1,230.33	2,599.02	8,016.36	7,911.69	104.67	76.589		
17,400.00	7,630.00	7,433.00	7,298.33	143.12	33.25	76.98	1,230.33	2,599.02	8,115.04	8,010.39	104.65	77.542		
17,500.00	7,630.00	7,433.00	7,298.33	144.71	33.25	76.98	1,230.33	2,599.02	8,213.76	8,109.12	104.64	78.495		
17,600.00	7,630.00	7,433.00	7,298.33	146.30	33.25	76.98	1,230.33	2,599.02	8,312.50	8,207.88	104.63	79.447		
17,700.00	7,630.00	7,412.11	7,277.47	147.90	33.20	76.09	1,229.30	2,599.00	8,411.02	8,306.44	104.58	80.423		
17,800.00	7,630.00	7,411.74	7,277.10	149.50	33.20	76.08	1,229.28	2,599.00	8,509.82	8,405.24	104.58	81.375		
17,900.00	7,630.00	7,411.37	7,276.73	151.10	33.20	76.06	1,229.27	2,599.00	8,608.64	8,504.08	104.57	82.327		
18,000.00	7,630.00	7,411.02	7,276.38	152.71	33.20	76.05	1,229.26	2,599.00	8,707.49	8,602.93	104.56	83.279		
18,100.00	7,630.00	7,410.67	7,276.03	154.32	33.20	76.03	1,229.24	2,599.01	8,806.37	8,701.82	104.55	84.230		
18,200.00	7,630.00	7,410.33	7,275.69	155.94	33.20	76.02	1,229.23	2,599.01	8,905.27	8,800.72	104.54	85.181		
18,300.00	7,630.00	7,409.99	7,275.35	157.56	33.20	76.00	1,229.22	2,599.01	9,004.20	8,899.66	104.54	86.132		
18,400.00	7,630.00	7,409.66	7,275.03	159.18	33.19	75.99	1,229.21	2,599.01	9,103.14	8,998.61	104.54	87.082		
18,500.00	7,630.00	7,409.34	7,274.71	160.80	33.19	75.98	1,229.20	2,599.01	9,202.12	9,097.58	104.53	88.031		
18,600.00	7,630.00	7,409.03	7,274.39	162.43	33.19	75.96	1,229.19	2,599.01	9,301.11	9,196.58	104.53	88.981		
18,700.00	7,630.00	7,408.72	7,274.08	164.06	33.19	75.95	1,229.18	2,599.01	9,400.12	9,295.59	104.53	89.929		
18,800.00	7,630.00	7,408.42	7,273.78	165.70	33.19	75.94	1,229.17	2,599.01	9,499.16	9,394.63	104.53	90.877		
18,900.00	7,630.00	7,408.12	7,273.49	167.33	33.19	75.93	1,229.16	2,599.01	9,598.21	9,493.69	104.53	91.825		
19,000.00	7,630.00	7,407.83	7,273.20	168.97	33.19	75.91	1,229.15	2,599.01	9,697.29	9,592.76	104.53	92.772		
19,021.79	7,630.00	7,407.77	7,273.13	169.33	33.19	75.91	1,229.14	2,599.01	9,718.88	9,614.35	104.53	92.978		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ RANCHVIEW 3N-11HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	58.23	2,113.11	3,412.10	4,013.62					
100.00	100.00	51.32	51.32	0.13	0.09	58.23	2,113.11	3,412.14	4,013.49	4,013.26	0.23	N/A		
200.00	200.00	125.00	125.00	0.49	0.36	58.23	2,113.17	3,412.66	4,014.11	4,013.26	0.85	4,710.120		
300.00	300.00	194.98	194.97	0.85	0.61	58.24	2,113.46	3,413.58	4,015.44	4,013.98	1.46	2,746.669		
400.00	400.00	289.93	289.91	1.21	0.95	58.24	2,114.30	3,415.13	4,017.29	4,015.13	2.16	1,859.804		
500.00	500.00	444.39	444.35	1.57	1.50	58.24	2,114.99	3,416.90	4,018.54	4,015.47	3.07	1,309.642		
600.00	600.00	568.69	568.66	1.93	1.93	58.25	2,114.80	3,417.04	4,018.53	4,014.68	3.85	1,043.032		
700.00	700.00	680.36	680.32	2.29	2.30	58.24	2,115.04	3,416.60	4,018.32	4,013.73	4.59	875.671		
800.00	799.98	804.54	804.49	2.64	2.73	-3.56	2,115.04	3,415.46	4,015.79	4,010.43	5.37	748.255		
900.00	899.84	883.49	883.44	2.99	3.00	-3.57	2,114.90	3,414.71	4,009.68	4,003.69	5.99	669.019		
1,000.00	999.45	978.58	978.52	3.35	3.33	-3.60	2,115.22	3,414.18	4,000.69	3,994.01	6.68	598.839		
1,100.00	1,098.70	1,112.68	1,112.61	3.73	3.80	-3.65	2,115.66	3,412.56	3,987.69	3,980.18	7.51	531.140		
1,200.00	1,197.47	1,831.15	1,827.21	4.11	6.40	-3.69	2,079.43	3,366.81	3,970.31	3,960.00	10.31	385.109		
1,300.00	1,295.62	1,961.27	1,954.83	4.53	6.92	-3.59	2,058.02	3,353.23	3,934.19	3,923.07	11.12	353.890		
1,400.00	1,393.06	2,048.60	2,040.28	4.97	7.28	-3.51	2,041.72	3,345.54	3,895.13	3,883.34	11.79	330.438		
1,500.00	1,489.64	2,158.17	2,147.05	5.44	7.75	-3.35	2,018.88	3,336.31	3,852.06	3,839.52	12.54	307.179		
1,600.00	1,585.27	2,232.74	2,219.78	5.95	8.08	-3.26	2,003.62	3,330.24	3,806.36	3,793.18	13.18	288.814		
1,700.00	1,679.82	2,320.90	2,305.71	6.51	8.47	-3.15	1,985.26	3,323.17	3,757.55	3,743.68	13.87	270.933		
1,800.00	1,773.17	2,387.00	2,370.25	7.13	8.77	-3.08	1,971.95	3,317.86	3,706.07	3,691.58	14.49	255.833		
1,900.00	1,865.21	2,440.36	2,422.45	7.79	9.01	-3.04	1,961.70	3,313.68	3,652.20	3,637.14	15.06	242.456		
2,000.00	1,955.84	2,493.82	2,474.84	8.51	9.25	-3.02	1,951.84	3,309.73	3,596.12	3,580.48	15.64	229.893		
2,100.00	2,044.94	2,546.63	2,526.69	9.30	9.48	-2.99	1,942.51	3,306.07	3,537.84	3,521.62	16.22	218.096		
2,200.00	2,132.39	2,597.81	2,577.02	10.15	9.71	-2.98	1,933.85	3,302.74	3,477.40	3,460.60	16.80	207.037		
2,300.00	2,218.11	2,647.36	2,625.84	11.07	9.92	-2.98	1,925.93	3,299.72	3,414.87	3,397.50	17.37	196.639		
2,400.00	2,301.97	2,696.22	2,674.06	12.06	10.13	-2.99	1,918.56	3,296.93	3,350.28	3,332.35	17.94	186.797		
2,500.00	2,383.88	2,760.00	2,737.12	13.11	10.41	-2.99	1,909.60	3,293.57	3,283.73	3,265.18	18.55	177.023		
2,512.74	2,394.17	2,760.00	2,737.12	13.25	10.41	-3.00	1,909.60	3,293.57	3,275.07	3,256.46	18.61	176.000		
2,600.00	2,464.54	2,846.23	2,822.45	14.22	10.78	-2.89	1,898.29	3,288.50	3,215.64	3,196.42	19.22	167.296		
2,700.00	2,545.18	2,969.61	2,944.40	15.35	11.31	-2.75	1,882.12	3,279.07	3,146.31	3,126.32	19.98	157.436		
2,800.00	2,625.82	3,045.10	3,018.86	16.50	11.64	-2.64	1,871.14	3,273.31	3,076.53	3,055.91	20.62	149.179		
2,900.00	2,706.45	3,097.72	3,070.76	17.65	11.87	-2.54	1,863.24	3,269.63	3,006.97	2,985.75	21.21	141.744		
3,000.00	2,787.09	3,148.69	3,121.06	18.82	12.10	-2.45	1,855.74	3,266.30	2,937.83	2,916.02	21.81	134.706		
3,100.00	2,867.73	3,194.17	3,166.03	19.99	12.29	-2.37	1,849.51	3,263.52	2,869.33	2,846.93	22.40	128.092		
3,200.00	2,948.37	3,362.40	3,332.33	21.17	13.03	-2.11	1,827.31	3,251.35	2,800.80	2,777.56	23.23	120.547		
3,300.00	3,029.01	3,453.46	3,422.04	22.36	13.43	-1.99	1,814.83	3,241.95	2,729.62	2,705.72	23.90	114.195		
3,400.00	3,109.65	3,509.00	3,476.79	23.55	13.68	-1.91	1,807.42	3,236.28	2,658.71	2,634.19	24.52	108.433		
3,500.00	3,190.29	3,617.91	3,584.05	24.74	14.17	-1.75	1,792.53	3,224.67	2,587.38	2,562.17	25.20	102.662		
3,600.00	3,270.93	3,687.37	3,652.38	25.94	14.49	-1.64	1,782.77	3,216.90	2,515.63	2,489.79	25.84	97.358		
3,700.00	3,351.57	3,797.22	3,760.23	27.14	15.00	-1.41	1,766.06	3,204.42	2,443.39	2,416.89	26.50	92.192		
3,800.00	3,432.21	3,859.88	3,821.58	28.35	15.31	-1.24	1,755.47	3,197.40	2,370.64	2,343.50	27.14	87.343		
3,900.00	3,512.85	3,912.80	3,873.39	29.56	15.56	-1.07	1,746.26	3,191.77	2,298.11	2,270.32	27.78	82.712		
4,000.00	3,593.49	3,958.22	3,917.94	30.76	15.77	-0.93	1,738.58	3,187.33	2,226.26	2,197.82	28.44	78.285		
4,100.00	3,674.13	4,019.60	3,978.22	31.97	16.06	-0.71	1,728.41	3,181.85	2,155.04	2,125.94	29.10	74.051		
4,200.00	3,754.77	4,075.00	4,032.56	33.19	16.32	-0.49	1,718.73	3,177.14	2,083.87	2,054.09	29.78	69.981		
4,300.00	3,835.41	4,129.23	4,085.79	34.40	16.58	-0.24	1,709.19	3,173.02	2,013.26	1,982.79	30.47	66.081		
4,400.00	3,916.05	4,179.13	4,134.88	35.62	16.81	0.00	1,700.77	3,169.90	1,943.67	1,912.50	31.17	62.355		
4,500.00	3,996.69	4,291.61	4,245.61	36.83	17.33	0.51	1,682.86	3,161.67	1,873.90	1,842.09	31.81	58.914		
4,600.00	4,077.33	4,416.03	4,367.56	38.05	17.92	1.12	1,661.93	3,148.67	1,801.59	1,769.22	32.38	55.644		
4,700.00	4,157.96	4,484.38	4,434.33	39.27	18.26	1.52	1,649.52	3,141.01	1,728.64	1,695.59	33.05	52.303		
4,800.00	4,238.60	4,541.37	4,490.09	40.49	18.54	1.87	1,639.50	3,134.78	1,656.08	1,622.32	33.77	49.047		
4,900.00	4,319.24	4,630.52	4,577.21	41.71	18.98	2.50	1,623.23	3,125.09	1,583.40	1,549.02	34.39	46.049		
5,000.00	4,399.88	4,686.49	4,631.79	42.93	19.26	2.96	1,612.44	3,119.01	1,510.48	1,475.34	35.13	42.991		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ RANCHVIEW 3N-11HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,480.52	4,741.37	4,685.46	44.15	19.53	3.43	1,602.50	3,113.36	1,438.30	1,402.39	35.91	40.054		
5,200.00	4,561.16	4,814.88	4,757.48	45.37	19.89	4.06	1,590.06	3,105.53	1,366.37	1,329.76	36.61	37.325		
5,300.00	4,641.80	4,892.68	4,833.66	46.59	20.27	4.79	1,576.84	3,096.83	1,294.17	1,256.88	37.29	34.705		
5,400.00	4,722.44	4,963.03	4,902.29	47.82	20.62	5.64	1,563.41	3,089.24	1,221.66	1,183.61	38.05	32.109		
5,500.00	4,803.08	5,027.80	4,965.45	49.04	20.95	6.54	1,550.76	3,082.45	1,149.37	1,110.49	38.88	29.562		
5,600.00	4,883.72	5,089.01	5,025.17	50.27	21.26	7.51	1,538.80	3,076.35	1,077.57	1,037.78	39.79	27.082		
5,700.00	4,964.36	5,151.06	5,085.76	51.49	21.57	8.60	1,526.77	3,070.53	1,006.41	965.65	40.76	24.692		
5,800.00	5,045.00	5,213.80	5,147.12	52.71	21.88	9.84	1,514.95	3,064.91	935.93	894.13	41.80	22.390		
5,900.00	5,125.64	5,275.62	5,207.66	53.94	22.18	11.21	1,503.51	3,059.79	866.30	823.34	42.96	20.166		
6,000.00	5,206.28	5,338.60	5,269.39	55.17	22.49	12.83	1,491.92	3,055.12	797.67	753.42	44.25	18.027		
6,100.00	5,286.92	5,404.22	5,333.74	56.39	22.80	14.80	1,479.76	3,050.86	730.17	684.46	45.71	15.974		
6,200.00	5,367.56	5,481.74	5,409.70	57.62	23.18	17.57	1,465.25	3,045.63	663.17	615.85	47.31	14.016		
6,300.00	5,448.20	5,546.12	5,472.80	58.84	23.49	20.31	1,453.26	3,041.17	597.02	547.60	49.42	12.081		
6,400.00	5,528.84	5,613.52	5,538.96	60.07	23.81	23.71	1,441.06	3,037.13	532.90	480.91	51.99	10.250		
6,500.00	5,609.47	5,685.44	5,609.64	61.30	24.15	28.07	1,428.45	3,032.79	470.61	415.41	55.20	8.526		
6,600.00	5,690.11	5,757.61	5,680.62	62.53	24.49	33.41	1,416.25	3,028.27	410.74	351.37	59.37	6.918		
6,700.00	5,770.75	5,836.53	5,758.21	63.75	24.86	40.75	1,403.03	3,022.52	353.92	289.07	64.85	5.458		
6,800.00	5,851.39	5,910.54	5,830.75	64.98	25.22	49.61	1,390.15	3,015.48	301.51	229.35	72.16	4.178		
6,900.00	5,932.03	5,979.85	5,898.57	66.21	25.56	59.88	1,377.80	3,008.27	258.38	177.34	81.04	3.188		
7,000.00	6,012.67	6,047.97	5,965.36	67.44	25.89	71.47	1,366.17	3,001.70	230.76	141.41	89.34	2.583		
7,082.02	6,078.81	6,105.71	6,022.15	68.44	26.16	81.88	1,356.91	2,996.81	223.34	130.13	93.21	2.396 CC, ES		
7,100.00	6,093.31	6,118.60	6,034.85	68.66	26.23	84.20	1,354.92	2,995.81	223.70	130.16	93.54	2.392 SF		
7,200.00	6,173.95	6,191.14	6,106.36	69.89	26.56	96.88	1,344.10	2,990.43	237.95	145.85	92.10	2.584		
7,300.00	6,254.59	6,261.92	6,176.12	71.12	26.89	108.11	1,333.64	2,984.51	270.07	182.93	87.14	3.099		
7,400.00	6,335.23	6,330.29	6,243.44	72.35	27.21	117.28	1,323.12	2,978.81	315.35	233.74	81.60	3.864		
7,500.00	6,415.87	6,407.46	6,319.48	73.58	27.56	125.52	1,311.32	2,973.12	368.42	290.99	77.42	4.758		
7,600.00	6,496.51	6,487.51	6,398.63	74.81	27.92	132.11	1,300.29	2,968.45	424.95	350.48	74.47	5.706		
7,700.00	6,577.15	6,570.65	6,481.04	76.04	28.27	137.39	1,289.93	2,964.82	483.22	410.71	72.51	6.664		
7,800.00	6,657.79	6,656.67	6,566.51	77.27	28.61	141.67	1,280.61	2,962.24	541.93	470.66	71.26	7.605		
7,900.00	6,738.43	6,743.58	6,653.01	78.50	28.95	145.09	1,272.31	2,960.94	600.59	530.08	70.50	8.519		
8,000.00	6,819.07	6,831.33	6,740.48	79.73	29.27	147.93	1,265.25	2,960.29	658.96	588.91	70.05	9.406		
8,100.00	6,899.71	6,921.03	6,830.03	80.96	29.58	150.53	1,260.38	2,958.79	716.94	647.20	69.75	10.279		
8,200.00	6,980.35	7,017.62	6,926.57	82.18	29.90	153.01	1,257.75	2,957.35	773.86	704.17	69.68	11.105		
8,240.58	7,013.07	7,051.35	6,960.29	82.68	30.00	153.80	1,257.20	2,956.98	796.79	727.20	69.59	11.450		
8,250.00	7,020.68	7,059.21	6,968.15	82.80	30.03	152.38	1,257.09	2,956.89	802.07	732.50	69.57	11.529		
8,300.00	7,061.63	7,102.16	7,011.09	83.40	30.16	144.72	1,256.54	2,956.41	828.47	759.05	69.42	11.933		
8,350.00	7,103.23	7,149.45	7,058.38	83.97	30.31	137.00	1,256.26	2,955.91	851.96	782.71	69.25	12.302		
8,400.00	7,145.18	7,455.82	7,357.07	84.51	30.85	138.74	1,311.71	2,953.62	871.29	802.06	69.24	12.585		
8,450.00	7,187.16	7,584.55	7,470.88	85.01	30.89	136.49	1,371.49	2,954.35	875.03	807.59	67.44	12.974		
8,500.00	7,228.84	8,134.20	7,764.64	85.46	30.51	162.77	1,817.05	2,962.67	869.31	801.46	67.85	12.812		
8,550.00	7,269.91	8,125.13	7,763.11	85.86	30.51	155.99	1,808.12	2,962.21	862.65	792.88	69.76	12.365		
8,600.00	7,310.05	8,104.27	7,759.23	86.20	30.52	148.89	1,787.65	2,961.22	858.55	787.35	71.21	12.057		
8,650.00	7,348.97	8,039.00	7,743.39	86.50	30.56	139.41	1,724.42	2,958.71	856.77	785.74	71.03	12.062		
8,681.68	7,372.86	7,988.84	7,726.23	86.65	30.60	133.11	1,677.32	2,957.29	856.39	785.72	70.68	12.117		
8,700.00	7,386.36	7,983.47	7,724.12	86.74	30.61	131.14	1,672.39	2,957.14	856.53	785.38	71.15	12.039		
8,750.00	7,421.94	7,966.70	7,717.23	86.93	30.62	125.96	1,657.12	2,956.61	858.17	785.86	72.31	11.868		
8,800.00	7,455.44	7,951.98	7,710.80	87.07	30.63	121.37	1,643.87	2,956.10	861.54	788.06	73.48	11.725		
8,850.00	7,486.61	7,905.34	7,688.41	87.16	30.67	115.16	1,603.01	2,954.53	866.28	792.81	73.47	11.792		
8,900.00	7,515.20	7,873.28	7,671.52	87.20	30.70	110.30	1,575.77	2,953.86	871.90	798.04	73.86	11.805		
8,950.00	7,541.00	7,844.78	7,655.63	87.21	30.73	106.04	1,552.12	2,953.44	878.29	803.95	74.34	11.814		
9,000.00	7,563.81	7,821.97	7,642.35	87.17	30.75	102.46	1,533.58	2,953.11	885.29	810.23	75.07	11.793		
9,050.00	7,583.47	7,796.82	7,627.12	87.10	30.77	99.08	1,513.56	2,952.69	892.70	816.96	75.74	11.787		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ RANCHVIEW 3N-11HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,100.00	7,599.81	7,767.18	7,608.37	87.00	30.80	95.77	1,490.61	2,952.21	900.16	823.90	76.26	11.804		
9,150.00	7,612.72	7,707.18	7,567.36	86.88	30.85	91.15	1,446.86	2,952.18	907.10	831.69	75.41	12.029		
9,200.00	7,622.09	7,682.54	7,549.20	86.72	30.86	88.79	1,430.22	2,952.65	913.09	836.77	76.32	11.964		
9,250.00	7,627.87	7,658.23	7,530.56	86.55	30.87	86.75	1,414.62	2,953.08	918.62	841.24	77.38	11.872		
9,303.98	7,630.00	7,630.24	7,508.41	86.35	30.88	84.79	1,397.53	2,953.58	923.86	845.30	78.56	11.760		
9,400.00	7,630.00	7,587.96	7,473.74	85.99	30.89	82.64	1,373.35	2,954.30	935.94	854.76	81.18	11.529		
9,500.00	7,630.00	7,555.24	7,445.95	85.62	30.89	80.93	1,356.08	2,954.66	956.49	872.10	84.39	11.334		
9,600.00	7,630.00	7,530.47	7,424.37	85.28	30.89	79.62	1,343.91	2,954.61	985.35	897.63	87.72	11.233		
9,700.00	7,630.00	7,504.31	7,401.13	84.95	30.88	78.22	1,331.91	2,954.25	1,022.09	931.46	90.63	11.278		
9,800.00	7,630.00	7,472.00	7,371.90	84.64	30.87	76.49	1,318.16	2,953.80	1,065.83	972.92	92.91	11.471		
9,900.00	7,630.00	7,450.85	7,352.49	84.34	30.85	75.35	1,309.78	2,953.58	1,115.81	1,020.61	95.21	11.720		
10,000.00	7,630.00	7,425.00	7,328.49	84.06	30.84	73.95	1,300.18	2,953.44	1,171.40	1,074.45	96.96	12.082		
10,100.00	7,630.00	7,409.33	7,313.79	83.80	30.82	73.11	1,294.75	2,953.44	1,231.99	1,133.34	98.66	12.488		
10,200.00	7,630.00	7,394.14	7,299.42	83.56	30.81	72.29	1,289.81	2,953.47	1,297.05	1,197.01	100.03	12.966		
10,300.00	7,630.00	7,378.00	7,284.04	83.33	30.79	71.42	1,284.92	2,953.55	1,366.01	1,264.90	101.11	13.510		
10,400.00	7,630.00	7,378.00	7,284.04	83.12	30.79	71.42	1,284.92	2,953.55	1,438.43	1,336.13	102.29	14.062		
10,500.00	7,630.00	7,358.15	7,264.98	82.92	30.76	70.35	1,279.39	2,953.68	1,513.64	1,410.79	102.85	14.717		
10,600.00	7,630.00	7,348.43	7,255.59	82.75	30.75	69.83	1,276.87	2,953.75	1,591.49	1,488.03	103.46	15.383		
10,700.00	7,630.00	7,331.00	7,238.68	82.59	30.73	68.90	1,272.66	2,953.88	1,671.61	1,567.81	103.80	16.104		
10,800.00	7,630.00	7,331.00	7,238.68	82.45	30.73	68.90	1,272.66	2,953.88	1,753.54	1,649.23	104.31	16.811		
10,900.00	7,630.00	7,331.00	7,238.68	82.33	30.73	68.90	1,272.66	2,953.88	1,837.26	1,732.56	104.71	17.547		
11,000.00	7,630.00	7,331.00	7,238.68	82.22	30.73	68.90	1,272.66	2,953.88	1,922.54	1,817.53	105.01	18.308		
11,100.00	7,630.00	7,314.16	7,222.23	82.14	30.70	68.01	1,269.02	2,954.02	2,008.89	1,903.83	105.06	19.122		
11,200.00	7,630.00	7,309.34	7,217.51	82.08	30.69	67.75	1,268.07	2,954.07	2,096.53	1,991.33	105.20	19.929		
11,300.00	7,630.00	7,304.90	7,213.16	82.04	30.69	67.52	1,267.23	2,954.12	2,185.19	2,079.89	105.30	20.751		
11,400.00	7,630.00	7,284.00	7,192.55	82.02	30.65	66.42	1,263.73	2,954.38	2,275.04	2,169.82	105.23	21.620		
11,500.00	7,630.00	7,284.00	7,192.55	82.03	30.65	66.42	1,263.73	2,954.38	2,365.30	2,259.99	105.32	22.459		
11,600.00	7,630.00	7,284.00	7,192.55	82.06	30.65	66.42	1,263.73	2,954.38	2,456.32	2,350.94	105.38	23.309		
11,700.00	7,630.00	7,284.00	7,192.55	82.12	30.65	66.42	1,263.73	2,954.38	2,548.01	2,442.59	105.42	24.170		
11,800.00	7,630.00	7,284.00	7,192.55	82.21	30.65	66.42	1,263.73	2,954.38	2,640.30	2,534.85	105.44	25.040		
11,900.00	7,630.00	7,284.00	7,192.55	82.33	30.65	66.42	1,263.73	2,954.38	2,733.13	2,627.68	105.45	25.919		
12,000.00	7,630.00	7,284.00	7,192.55	82.48	30.65	66.42	1,263.73	2,954.38	2,826.46	2,721.01	105.45	26.805		
12,100.00	7,630.00	7,284.00	7,192.55	82.66	30.65	66.42	1,263.73	2,954.38	2,920.22	2,814.79	105.43	27.698		
12,200.00	7,630.00	7,284.00	7,192.55	82.88	30.65	66.42	1,263.73	2,954.38	3,014.39	2,908.98	105.41	28.597		
12,300.00	7,630.00	7,284.00	7,192.55	83.14	30.65	66.42	1,263.73	2,954.38	3,108.92	3,003.54	105.38	29.501		
12,400.00	7,630.00	7,284.00	7,192.55	83.44	30.65	66.42	1,263.73	2,954.38	3,203.78	3,098.43	105.35	30.411		
12,500.00	7,630.00	7,284.00	7,192.55	83.79	30.65	66.42	1,263.73	2,954.38	3,298.95	3,193.63	105.31	31.325		
12,600.00	7,630.00	7,284.00	7,192.55	84.18	30.65	66.42	1,263.73	2,954.38	3,394.39	3,289.12	105.27	32.244		
12,700.00	7,630.00	7,284.00	7,192.55	84.61	30.65	66.42	1,263.73	2,954.38	3,490.09	3,384.86	105.23	33.166		
12,800.00	7,630.00	7,284.00	7,192.55	85.10	30.65	66.42	1,263.73	2,954.38	3,586.02	3,480.84	105.19	34.091		
12,900.00	7,630.00	7,284.00	7,192.55	85.64	30.65	66.42	1,263.73	2,954.38	3,682.17	3,577.03	105.14	35.020		
13,000.00	7,630.00	7,284.00	7,192.55	86.22	30.65	66.42	1,263.73	2,954.38	3,778.52	3,673.43	105.10	35.952		
13,100.00	7,630.00	7,284.00	7,192.55	86.86	30.65	66.42	1,263.73	2,954.38	3,875.06	3,770.01	105.05	36.886		
13,200.00	7,630.00	7,284.00	7,192.55	87.56	30.65	66.42	1,263.73	2,954.38	3,971.77	3,866.76	105.01	37.823		
13,300.00	7,630.00	7,284.00	7,192.55	88.30	30.65	66.42	1,263.73	2,954.38	4,068.63	3,963.67	104.96	38.762		
13,400.00	7,630.00	7,284.00	7,192.55	89.10	30.65	66.42	1,263.73	2,954.38	4,165.65	4,060.73	104.92	39.703		
13,500.00	7,630.00	7,284.00	7,192.55	89.94	30.65	66.42	1,263.73	2,954.38	4,262.80	4,157.92	104.87	40.646		
13,600.00	7,630.00	7,284.00	7,192.55	90.84	30.65	66.42	1,263.73	2,954.38	4,360.08	4,255.25	104.83	41.591		
13,700.00	7,630.00	7,284.00	7,192.55	91.78	30.65	66.42	1,263.73	2,954.38	4,457.48	4,352.69	104.79	42.538		
13,800.00	7,630.00	7,284.00	7,192.55	92.77	30.65	66.42	1,263.73	2,954.38	4,554.99	4,450.25	104.75	43.485		
13,900.00	7,630.00	7,284.00	7,192.55	93.79	30.65	66.42	1,263.73	2,954.38	4,652.61	4,547.91	104.71	44.435		
14,000.00	7,630.00	7,284.00	7,192.55	94.86	30.65	66.42	1,263.73	2,954.38	4,750.33	4,645.66	104.67	45.385		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ RANCHVIEW 3N-11HZ - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,100.00	7,630.00	7,284.00	7,192.55	95.97	30.65	66.42	1,263.73	2,954.38	4,848.14	4,743.51	104.63	46.336		
14,200.00	7,630.00	7,284.00	7,192.55	97.11	30.65	66.42	1,263.73	2,954.38	4,946.04	4,841.45	104.59	47.289		
14,300.00	7,630.00	7,242.33	7,151.18	98.28	30.55	64.27	1,258.81	2,954.94	5,042.55	4,938.10	104.44	48.280		
14,400.00	7,630.00	7,241.33	7,150.19	99.48	30.55	64.22	1,258.72	2,954.95	5,140.54	5,036.13	104.41	49.235		
14,500.00	7,630.00	7,240.37	7,149.24	100.72	30.55	64.17	1,258.64	2,954.96	5,238.60	5,134.23	104.37	50.191		
14,600.00	7,630.00	7,239.45	7,148.31	101.97	30.54	64.12	1,258.57	2,954.97	5,336.74	5,232.40	104.34	51.147		
14,700.00	7,630.00	7,238.55	7,147.42	103.26	30.54	64.07	1,258.49	2,954.98	5,434.94	5,330.63	104.31	52.103		
14,800.00	7,630.00	7,237.68	7,146.55	104.56	30.54	64.03	1,258.42	2,955.00	5,533.21	5,428.92	104.28	53.060		
14,900.00	7,630.00	7,236.84	7,145.72	105.89	30.54	63.99	1,258.36	2,955.01	5,631.53	5,527.28	104.25	54.018		
15,000.00	7,630.00	7,236.03	7,144.91	107.24	30.54	63.95	1,258.29	2,955.02	5,729.91	5,625.69	104.23	54.976		
15,100.00	7,630.00	7,235.24	7,144.12	108.60	30.53	63.91	1,258.23	2,955.02	5,828.35	5,724.15	104.20	55.935		
15,200.00	7,630.00	7,234.48	7,143.36	109.98	30.53	63.87	1,258.18	2,955.03	5,926.84	5,822.66	104.17	56.894		
15,300.00	7,630.00	7,233.74	7,142.62	111.38	30.53	63.83	1,258.12	2,955.04	6,025.37	5,921.22	104.15	57.853		
15,400.00	7,630.00	7,233.02	7,141.90	112.79	30.53	63.79	1,258.07	2,955.05	6,123.95	6,019.83	104.13	58.812		
15,500.00	7,630.00	7,232.32	7,141.21	114.22	30.53	63.76	1,258.02	2,955.06	6,222.58	6,118.48	104.11	59.772		
15,600.00	7,630.00	7,231.64	7,140.53	115.66	30.52	63.72	1,257.97	2,955.07	6,321.25	6,217.17	104.09	60.732		
15,700.00	7,630.00	7,189.00	7,097.93	117.11	30.42	61.61	1,256.34	2,955.52	6,421.43	6,317.45	103.98	61.757		
15,800.00	7,630.00	7,189.00	7,097.93	118.57	30.42	61.61	1,256.34	2,955.52	6,520.13	6,416.17	103.96	62.716		
15,900.00	7,630.00	7,189.00	7,097.93	120.05	30.42	61.61	1,256.34	2,955.52	6,618.87	6,514.92	103.95	63.674		
16,000.00	7,630.00	7,189.00	7,097.93	121.53	30.42	61.61	1,256.34	2,955.52	6,717.65	6,613.71	103.93	64.633		
16,100.00	7,630.00	7,189.00	7,097.93	123.03	30.42	61.61	1,256.34	2,955.52	6,816.46	6,712.54	103.92	65.592		
16,200.00	7,630.00	7,189.00	7,097.93	124.53	30.42	61.61	1,256.34	2,955.52	6,915.31	6,811.40	103.91	66.551		
16,300.00	7,630.00	7,189.00	7,097.93	126.04	30.42	61.61	1,256.34	2,955.52	7,014.19	6,910.29	103.90	67.510		
16,400.00	7,630.00	7,189.00	7,097.93	127.56	30.42	61.61	1,256.34	2,955.52	7,113.11	7,009.22	103.89	68.468		
16,500.00	7,630.00	7,189.00	7,097.93	129.09	30.42	61.61	1,256.34	2,955.52	7,212.05	7,108.17	103.88	69.427		
16,600.00	7,630.00	7,189.00	7,097.93	130.62	30.42	61.61	1,256.34	2,955.52	7,311.02	7,207.15	103.87	70.385		
16,700.00	7,630.00	7,189.00	7,097.93	132.16	30.42	61.61	1,256.34	2,955.52	7,410.02	7,306.15	103.86	71.343		
16,800.00	7,630.00	7,189.00	7,097.93	133.71	30.42	61.61	1,256.34	2,955.52	7,509.04	7,405.18	103.86	72.302		
16,900.00	7,630.00	7,189.00	7,097.93	135.27	30.42	61.61	1,256.34	2,955.52	7,608.09	7,504.24	103.85	73.259		
17,000.00	7,630.00	7,189.00	7,097.93	136.83	30.42	61.61	1,256.34	2,955.52	7,707.17	7,603.32	103.85	74.217		
17,100.00	7,630.00	7,189.00	7,097.93	138.39	30.42	61.61	1,256.34	2,955.52	7,806.27	7,702.42	103.84	75.174		
17,200.00	7,630.00	7,189.00	7,097.93	139.97	30.42	61.61	1,256.34	2,955.52	7,905.39	7,801.55	103.84	76.131		
17,300.00	7,630.00	7,189.00	7,097.93	141.54	30.42	61.61	1,256.34	2,955.52	8,004.53	7,900.70	103.84	77.088		
17,400.00	7,630.00	7,189.00	7,097.93	143.12	30.42	61.61	1,256.34	2,955.52	8,103.70	7,999.86	103.83	78.044		
17,500.00	7,630.00	7,189.00	7,097.93	144.71	30.42	61.61	1,256.34	2,955.52	8,202.88	8,099.05	103.83	79.000		
17,600.00	7,630.00	7,189.00	7,097.93	146.30	30.42	61.61	1,256.34	2,955.52	8,302.09	8,198.25	103.83	79.956		
17,700.00	7,630.00	7,189.00	7,097.93	147.90	30.42	61.61	1,256.34	2,955.52	8,401.31	8,297.47	103.83	80.911		
17,800.00	7,630.00	7,189.00	7,097.93	149.50	30.42	61.61	1,256.34	2,955.52	8,500.55	8,396.71	103.84	81.866		
17,900.00	7,630.00	7,189.00	7,097.93	151.10	30.42	61.61	1,256.34	2,955.52	8,599.81	8,495.97	103.84	82.820		
18,000.00	7,630.00	7,189.00	7,097.93	152.71	30.42	61.61	1,256.34	2,955.52	8,699.08	8,595.24	103.84	83.774		
18,100.00	7,630.00	7,189.00	7,097.93	154.32	30.42	61.61	1,256.34	2,955.52	8,798.38	8,694.53	103.84	84.727		
18,200.00	7,630.00	7,189.00	7,097.93	155.94	30.42	61.61	1,256.34	2,955.52	8,897.68	8,793.84	103.85	85.680		
18,300.00	7,630.00	7,189.00	7,097.93	157.56	30.42	61.61	1,256.34	2,955.52	8,997.01	8,893.16	103.85	86.633		
18,400.00	7,630.00	7,189.00	7,097.93	159.18	30.42	61.61	1,256.34	2,955.52	9,096.35	8,992.49	103.86	87.584		
18,500.00	7,630.00	7,189.00	7,097.93	160.80	30.42	61.61	1,256.34	2,955.52	9,195.70	9,091.84	103.86	88.536		
18,600.00	7,630.00	7,189.00	7,097.93	162.43	30.42	61.61	1,256.34	2,955.52	9,295.07	9,191.19	103.87	89.486		
18,700.00	7,630.00	7,189.00	7,097.93	164.06	30.42	61.61	1,256.34	2,955.52	9,394.45	9,290.57	103.88	90.436		
18,800.00	7,630.00	7,189.00	7,097.93	165.70	30.42	61.61	1,256.34	2,955.52	9,493.84	9,389.95	103.89	91.386		
18,900.00	7,630.00	7,189.00	7,097.93	167.33	30.42	61.61	1,256.34	2,955.52	9,593.24	9,489.35	103.90	92.335		
19,000.00	7,630.00	7,189.00	7,097.93	168.97	30.42	61.61	1,256.34	2,955.52	9,692.66	9,588.76	103.91	93.283		
19,021.79	7,630.00	7,189.00	7,097.93	169.33	30.42	61.61	1,256.34	2,955.52	9,714.33	9,610.42	103.91	93.490		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ STIPANOVICH 8-0-27 - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 120-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	0.00	0.00	0.00	0.00	175.36	-4,018.10	326.26	4,031.35				
100.00	100.00	53.30	53.30	0.13	0.09	175.35	-4,018.29	326.50	4,031.66	4,031.43	0.22	N/A	
200.00	200.00	120.00	119.99	0.49	0.20	175.34	-4,019.06	327.50	4,032.91	4,032.22	0.69	5,870.702	
300.00	300.00	294.91	294.87	0.85	0.82	175.30	-4,020.42	330.36	4,033.98	4,032.31	1.67	2,415.511	
400.00	400.00	410.53	410.48	1.21	1.23	175.29	-4,019.74	331.37	4,033.45	4,031.02	2.44	1,655.014	
500.00	500.00	513.01	512.93	1.57	1.60	175.25	-4,018.94	333.66	4,032.87	4,029.70	3.16	1,275.296	
600.00	600.00	799.29	797.70	1.93	2.67	174.88	-4,008.63	359.33	4,030.32	4,025.73	4.60	876.782	
700.00	700.00	987.76	983.14	2.29	3.47	174.43	-3,993.89	389.43	4,023.89	4,018.15	5.74	701.044	
800.00	799.98	1,083.63	1,076.87	2.64	3.90	112.52	-3,984.96	407.46	4,017.02	4,010.50	6.52	616.040	
900.00	899.84	1,163.76	1,155.11	2.99	4.28	112.43	-3,977.84	423.27	4,012.05	4,004.80	7.24	553.814	
1,000.00	999.45	1,303.60	1,291.97	3.35	4.93	112.28	-3,964.98	448.85	4,007.96	3,999.71	8.25	485.907	
1,100.00	1,098.70	1,376.03	1,362.94	3.73	5.28	112.26	-3,958.35	461.73	4,005.26	3,996.31	8.96	447.217	
1,200.00	1,197.47	1,513.34	1,497.08	4.11	5.95	112.17	-3,945.44	488.07	4,003.81	3,993.82	10.00	400.522	
1,300.00	1,295.62	1,640.97	1,621.27	4.53	6.59	112.12	-3,932.07	514.28	4,002.70	3,991.66	11.03	362.782	
1,392.00	1,385.29	1,753.45	1,730.54	4.93	7.17	112.10	-3,919.65	537.88	4,002.39	3,990.39	12.00	333.660	
1,400.00	1,393.06	1,763.30	1,740.13	4.97	7.22	112.11	-3,918.55	539.84	4,002.39	3,990.31	12.08	331.333	
1,500.00	1,489.64	1,849.35	1,823.99	5.44	7.66	112.13	-3,909.10	556.63	4,003.32	3,990.36	12.97	308.715	
1,600.00	1,585.27	1,928.10	1,900.77	5.95	8.06	112.16	-3,900.76	572.02	4,005.97	3,992.11	13.86	289.083	
1,700.00	1,679.82	2,027.36	1,997.54	6.51	8.57	112.22	-3,890.51	591.61	4,010.24	3,995.36	14.89	269.360	
1,800.00	1,773.17	2,131.80	2,099.22	7.13	9.10	112.30	-3,879.58	612.82	4,015.77	3,999.78	15.99	251.071	
1,900.00	1,865.21	2,234.12	2,198.50	7.79	9.65	112.38	-3,868.64	635.01	4,022.57	4,005.41	17.15	234.486	
2,000.00	1,955.84	2,348.84	2,309.79	8.51	10.27	112.52	-3,856.16	659.93	4,030.58	4,012.16	18.43	218.704	
2,100.00	2,044.94	2,469.63	2,427.00	9.30	10.91	112.71	-3,842.26	685.55	4,039.32	4,019.54	19.78	204.196	
2,200.00	2,132.39	2,547.95	2,503.02	10.15	11.33	112.79	-3,833.18	702.08	4,049.49	4,028.52	20.97	193.070	
2,300.00	2,218.11	2,721.68	2,671.33	11.07	12.28	113.24	-3,812.50	739.79	4,061.14	4,038.43	22.71	178.835	
2,400.00	2,301.97	2,787.00	2,734.74	12.06	12.63	113.30	-3,803.98	752.97	4,072.99	4,049.05	23.94	170.159	
2,500.00	2,383.88	2,840.19	2,786.41	13.11	12.91	113.29	-3,797.48	763.75	4,087.29	4,062.14	25.16	162.482	
2,512.74	2,394.17	2,845.48	2,791.55	13.25	12.94	113.28	-3,796.88	764.84	4,089.32	4,064.01	25.31	161.591	
2,600.00	2,464.54	2,883.74	2,828.75	14.22	13.14	113.47	-3,792.78	772.81	4,103.92	4,077.56	26.36	155.697	
2,700.00	2,545.18	3,018.30	2,959.39	15.35	13.86	114.13	-3,778.01	801.46	4,120.64	4,092.60	28.05	146.921	
2,800.00	2,625.82	3,090.00	3,028.86	16.50	14.25	114.47	-3,769.97	817.25	4,137.56	4,108.14	29.42	140.635	
2,900.00	2,706.45	3,138.51	3,075.89	17.65	14.52	114.70	-3,764.98	828.05	4,155.57	4,124.90	30.67	135.473	
3,000.00	2,787.09	3,292.47	3,224.97	18.82	15.37	115.41	-3,749.09	863.05	4,173.93	4,141.43	32.50	128.417	
3,100.00	2,867.73	3,380.23	3,309.91	19.99	15.86	115.82	-3,739.30	882.87	4,191.64	4,157.67	33.97	123.378	
3,200.00	2,948.37	3,474.42	3,401.10	21.17	16.38	116.25	-3,728.88	904.02	4,209.70	4,174.22	35.47	118.668	
3,300.00	3,029.01	3,570.85	3,494.49	22.36	16.91	116.69	-3,717.98	925.39	4,227.78	4,190.80	36.98	114.323	
3,400.00	3,109.65	3,640.01	3,561.56	23.55	17.29	117.00	-3,710.41	940.50	4,246.45	4,208.12	38.33	110.775	
3,500.00	3,190.29	3,724.92	3,643.98	24.74	17.75	117.39	-3,701.42	958.82	4,265.71	4,225.95	39.76	107.282	
3,600.00	3,270.93	3,790.56	3,707.78	25.94	18.10	117.69	-3,694.69	972.73	4,285.58	4,244.50	41.08	104.335	
3,700.00	3,351.57	3,855.37	3,770.90	27.14	18.44	118.00	-3,688.47	986.03	4,306.31	4,263.94	42.37	101.636	
3,800.00	3,432.21	3,922.00	3,835.99	28.35	18.78	118.32	-3,682.43	998.90	4,327.85	4,284.19	43.66	99.133	
3,900.00	3,512.85	3,985.07	3,897.82	29.56	19.09	118.63	-3,677.04	1,010.14	4,350.23	4,305.33	44.90	96.893	
4,000.00	3,593.49	4,039.38	3,951.23	30.76	19.34	118.91	-3,672.69	1,018.98	4,373.52	4,327.44	46.07	94.924	
4,100.00	3,674.13	4,085.05	3,996.26	31.97	19.55	119.15	-3,669.45	1,025.84	4,397.98	4,350.79	47.19	93.206	
4,200.00	3,754.77	4,133.49	4,044.14	33.19	19.76	119.41	-3,666.44	1,032.53	4,423.64	4,375.35	48.29	91.609	
4,300.00	3,835.41	4,185.62	4,095.81	34.40	19.97	119.69	-3,663.56	1,038.86	4,450.39	4,401.00	49.38	90.120	
4,400.00	3,916.05	4,257.65	4,167.38	35.62	20.25	120.11	-3,659.92	1,046.07	4,478.07	4,427.54	50.53	88.614	
4,500.00	3,996.69	4,322.50	4,231.95	36.83	20.49	120.49	-3,656.60	1,051.08	4,506.33	4,454.71	51.62	87.290	
4,600.00	4,077.33	4,368.59	4,277.91	38.05	20.64	120.77	-3,654.53	1,053.91	4,535.67	4,483.05	52.61	86.209	
4,700.00	4,157.96	4,394.00	4,303.26	39.27	20.73	120.93	-3,653.53	1,055.23	4,566.24	4,512.74	53.50	85.354	
4,800.00	4,238.60	4,444.40	4,353.59	40.49	20.89	121.25	-3,651.99	1,057.35	4,597.98	4,543.53	54.45	84.437	
4,900.00	4,319.24	4,488.00	4,397.16	41.71	21.02	121.52	-3,651.22	1,058.69	4,631.14	4,575.77	55.37	83.643	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ STIPANOVICH 8-0-27 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 120-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	4,399.88	4,538.37	4,447.51	42.93	21.17	121.84	-3,650.67	1,059.85	4,665.39	4,609.10	56.28	82.889		
5,100.00	4,480.52	4,615.98	4,525.11	44.15	21.39	122.34	-3,649.92	1,061.27	4,700.33	4,643.03	57.30	82.037		
5,200.00	4,561.16	4,704.66	4,613.77	45.37	21.65	122.89	-3,648.97	1,062.97	4,735.61	4,677.27	58.34	81.171		
5,300.00	4,641.80	4,785.00	4,694.09	46.59	21.88	123.39	-3,648.14	1,064.70	4,771.31	4,711.96	59.35	80.395		
5,400.00	4,722.44	4,871.67	4,780.72	47.82	22.14	123.91	-3,647.25	1,066.83	4,807.40	4,747.02	60.38	79.623		
5,500.00	4,803.08	4,965.99	4,875.01	49.04	22.43	124.48	-3,646.16	1,069.32	4,843.74	4,782.30	61.43	78.846		
5,600.00	4,883.72	5,042.90	4,951.89	50.27	22.66	124.93	-3,645.22	1,071.33	4,880.42	4,818.01	62.41	78.203		
5,700.00	4,964.36	5,134.41	5,043.36	51.49	22.94	125.47	-3,644.02	1,073.51	4,917.46	4,854.03	63.43	77.523		
5,800.00	5,045.00	5,218.16	5,127.09	52.71	23.19	125.96	-3,642.70	1,075.06	4,954.76	4,890.35	64.41	76.925		
5,900.00	5,125.64	5,299.12	5,199.03	53.94	23.40	126.38	-3,641.48	1,075.86	4,992.50	4,927.18	65.32	76.429		
6,000.00	5,206.28	5,354.04	5,262.95	55.17	23.59	126.75	-3,640.50	1,076.21	5,030.85	4,964.66	66.19	76.011		
6,100.00	5,286.92	5,409.56	5,318.46	56.39	23.74	127.08	-3,639.82	1,076.20	5,069.94	5,002.94	67.00	75.674		
6,200.00	5,367.56	5,467.16	5,376.05	57.62	23.90	127.42	-3,639.34	1,075.89	5,109.80	5,042.00	67.80	75.366		
6,300.00	5,448.20	5,527.00	5,435.89	58.84	24.06	127.76	-3,639.06	1,075.44	5,150.38	5,081.78	68.60	75.081		
6,400.00	5,528.84	5,610.40	5,519.29	60.07	24.28	128.24	-3,638.81	1,074.76	5,191.46	5,121.98	69.48	74.718		
6,500.00	5,609.47	5,688.75	5,597.63	61.30	24.49	128.69	-3,638.53	1,074.05	5,232.88	5,162.54	70.34	74.399		
6,600.00	5,690.11	5,773.33	5,682.21	62.53	24.71	129.17	-3,638.16	1,073.06	5,274.65	5,203.44	71.21	74.075		
6,700.00	5,770.75	5,851.48	5,760.35	63.75	24.92	129.61	-3,637.73	1,072.06	5,316.70	5,244.65	72.05	73.797		
6,800.00	5,851.39	5,927.24	5,836.10	64.98	25.13	130.03	-3,637.37	1,070.95	5,359.19	5,286.32	72.87	73.549		
6,900.00	5,932.03	6,005.47	5,914.32	66.21	25.39	130.56	-3,636.79	1,069.54	5,401.93	5,328.15	73.78	73.221		
7,000.00	6,012.67	6,132.68	6,041.52	67.44	25.70	131.14	-3,635.73	1,068.53	5,444.53	5,369.80	74.73	72.856		
7,100.00	6,093.31	6,224.86	6,133.70	68.66	25.96	131.62	-3,634.76	1,068.18	5,487.28	5,411.65	75.62	72.560		
7,200.00	6,173.95	6,327.70	6,236.52	69.89	26.27	132.15	-3,633.35	1,067.96	5,530.02	5,453.46	76.56	72.227		
7,300.00	6,254.59	6,414.39	6,323.20	71.12	26.53	132.59	-3,631.81	1,067.51	5,572.83	5,495.41	77.42	71.979		
7,400.00	6,335.23	6,499.34	6,398.14	72.35	26.75	132.97	-3,630.37	1,066.75	5,615.98	5,537.76	78.22	71.799		
7,500.00	6,415.87	6,566.62	6,475.40	73.58	26.97	133.36	-3,628.90	1,065.80	5,659.48	5,580.47	79.01	71.626		
7,600.00	6,496.51	6,658.01	6,566.76	74.81	27.24	133.82	-3,627.15	1,064.85	5,703.21	5,623.34	79.87	71.406		
7,700.00	6,577.15	6,700.91	6,609.65	76.04	27.37	134.03	-3,626.46	1,064.48	5,747.39	5,666.89	80.50	71.393		
7,800.00	6,657.79	6,756.00	6,664.74	77.27	27.53	134.29	-3,626.04	1,063.96	5,792.43	5,711.25	81.18	71.350		
7,900.00	6,738.43	6,816.80	6,725.53	78.50	27.70	134.58	-3,625.81	1,063.33	5,838.06	5,756.18	81.88	71.300		
8,000.00	6,819.07	6,904.66	6,813.39	79.73	27.96	135.00	-3,625.34	1,062.47	5,883.85	5,801.15	82.70	71.146		
8,100.00	6,899.71	7,003.13	6,911.86	80.96	28.25	135.45	-3,624.85	1,061.98	5,929.77	5,846.19	83.58	70.949		
8,200.00	6,980.35	7,081.78	6,990.51	82.18	28.49	135.81	-3,624.37	1,061.93	5,975.70	5,891.34	84.36	70.832		
8,240.58	7,013.07	7,107.24	7,015.96	82.68	28.57	135.92	-3,624.27	1,061.93	5,994.46	5,909.81	84.65	70.814		
8,250.00	7,020.68	7,113.16	7,021.88	82.80	28.59	134.57	-3,624.25	1,061.93	5,998.76	5,914.04	84.72	70.809		
8,300.00	7,061.63	7,154.67	7,063.39	83.40	28.72	127.17	-3,624.16	1,061.94	6,019.49	5,934.36	85.13	70.709		
8,350.00	7,103.23	7,215.57	7,124.30	83.97	28.90	119.47	-3,623.88	1,061.97	6,036.44	5,950.79	85.65	70.475		
8,400.00	7,145.18	7,259.40	7,168.12	84.51	29.04	111.51	-3,623.58	1,061.99	6,049.52	5,963.42	86.10	70.262		
8,450.00	7,187.16	7,298.71	7,207.43	85.01	29.16	103.67	-3,623.31	1,061.97	6,058.74	5,972.21	86.53	70.021		
8,500.00	7,228.84	7,342.65	7,251.37	85.46	29.30	96.30	-3,623.01	1,061.92	6,064.05	5,977.07	86.98	69.720		
8,550.00	7,269.91	7,394.11	7,302.83	85.86	29.46	89.68	-3,622.62	1,061.95	6,065.37	5,977.91	87.46	69.348		
8,600.00	7,310.05	7,435.88	7,344.59	86.20	29.59	83.88	-3,622.28	1,062.05	6,062.70	5,974.81	87.89	68.980		
8,650.00	7,348.97	7,469.37	7,378.09	86.50	29.69	78.96	-3,622.02	1,062.10	6,056.17	5,967.91	88.27	68.612		
8,700.00	7,386.36	7,501.49	7,410.21	86.74	29.80	74.96	-3,621.79	1,062.12	6,045.84	5,957.22	88.62	68.220		
8,750.00	7,421.94	7,540.11	7,448.83	86.93	29.92	71.87	-3,621.51	1,062.13	6,031.79	5,942.79	89.00	67.775		
8,800.00	7,455.44	7,579.94	7,488.65	87.07	30.04	69.61	-3,621.22	1,062.21	6,014.08	5,924.71	89.36	67.300		
8,850.00	7,486.61	7,617.85	7,526.57	87.16	30.16	68.13	-3,620.93	1,062.35	5,992.85	5,903.15	89.70	66.807		
8,900.00	7,515.20	7,654.39	7,563.10	87.20	30.28	67.38	-3,620.60	1,062.51	5,968.27	5,878.25	90.02	66.298		
8,950.00	7,541.00	7,687.19	7,595.90	87.21	30.38	67.34	-3,620.28	1,062.67	5,940.53	5,850.22	90.31	65.782		
9,000.00	7,563.81	7,716.00	7,624.71	87.17	30.48	68.01	-3,619.96	1,062.83	5,909.85	5,819.29	90.55	65.263		
9,050.00	7,583.47	7,724.99	7,633.69	87.10	30.50	69.26	-3,619.88	1,062.88	5,876.50	5,785.82	90.69	64.800		
9,100.00	7,599.81	7,737.79	7,646.49	87.00	30.55	71.39	-3,619.76	1,062.95	5,840.71	5,749.89	90.83	64.307		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ STIPANOVICH 8-0-27 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 120-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,150.00	7,612.72	7,747.86	7,656.57	86.88	30.58	74.43	-3,619.68	1,063.01	5,802.74	5,711.80	90.94	63.808		
9,200.00	7,622.09	7,755.12	7,663.82	86.72	30.60	78.53	-3,619.62	1,063.05	5,762.84	5,671.81	91.03	63.304		
9,250.00	7,627.87	7,759.48	7,668.18	86.55	30.62	83.84	-3,619.58	1,063.08	5,721.31	5,630.20	91.11	62.798		
9,303.98	7,630.00	7,760.88	7,669.58	86.35	30.62	91.12	-3,619.57	1,063.09	5,674.97	5,583.80	91.16	62.250		
9,400.00	7,630.00	7,760.28	7,668.99	85.99	30.62	91.11	-3,619.58	1,063.08	5,591.55	5,500.30	91.25	61.276		
9,500.00	7,630.00	7,759.66	7,668.36	85.62	30.62	91.10	-3,619.58	1,063.08	5,505.12	5,413.77	91.35	60.265		
9,600.00	7,630.00	7,759.03	7,667.73	85.28	30.61	91.08	-3,619.59	1,063.07	5,419.16	5,327.71	91.45	59.256		
9,700.00	7,630.00	7,758.39	7,667.10	84.95	30.61	91.07	-3,619.59	1,063.07	5,333.69	5,242.12	91.57	58.249		
9,800.00	7,630.00	7,757.75	7,666.46	84.64	30.61	91.06	-3,619.60	1,063.07	5,248.73	5,157.04	91.69	57.245		
9,900.00	7,630.00	7,757.10	7,665.81	84.34	30.61	91.04	-3,619.60	1,063.06	5,164.30	5,072.48	91.82	56.244		
10,000.00	7,630.00	7,756.45	7,665.16	84.06	30.61	91.03	-3,619.61	1,063.06	5,080.45	4,988.49	91.96	55.246		
10,100.00	7,630.00	7,755.79	7,664.50	83.80	30.60	91.02	-3,619.61	1,063.05	4,997.18	4,905.07	92.11	54.251		
10,200.00	7,630.00	7,755.13	7,663.83	83.56	30.60	91.00	-3,619.62	1,063.05	4,914.54	4,822.27	92.27	53.260		
10,300.00	7,630.00	7,754.45	7,663.16	83.33	30.60	90.99	-3,619.62	1,063.05	4,832.56	4,740.11	92.45	52.273		
10,400.00	7,630.00	7,753.78	7,662.48	83.12	30.60	90.97	-3,619.63	1,063.04	4,751.27	4,658.63	92.64	51.290		
10,500.00	7,630.00	7,753.09	7,661.80	82.92	30.59	90.96	-3,619.63	1,063.04	4,670.70	4,577.87	92.84	50.312		
10,600.00	7,630.00	7,752.40	7,661.11	82.75	30.59	90.95	-3,619.64	1,063.03	4,590.90	4,497.85	93.05	49.339		
10,700.00	7,630.00	7,751.70	7,660.41	82.59	30.59	90.93	-3,619.64	1,063.03	4,511.90	4,418.62	93.28	48.371		
10,800.00	7,630.00	7,751.00	7,659.70	82.45	30.59	90.92	-3,619.65	1,063.03	4,433.75	4,340.23	93.52	47.410		
10,900.00	7,630.00	7,750.29	7,658.99	82.33	30.59	90.90	-3,619.66	1,063.02	4,356.50	4,262.72	93.78	46.455		
11,000.00	7,630.00	7,749.57	7,658.27	82.22	30.58	90.89	-3,619.66	1,063.02	4,280.18	4,186.12	94.06	45.507		
11,100.00	7,630.00	7,748.84	7,657.55	82.14	30.58	90.87	-3,619.67	1,063.01	4,204.86	4,110.51	94.35	44.567		
11,200.00	7,630.00	7,748.11	7,656.82	82.08	30.58	90.86	-3,619.67	1,063.01	4,130.59	4,035.92	94.66	43.635		
11,300.00	7,630.00	7,747.37	7,656.08	82.04	30.58	90.84	-3,619.68	1,063.00	4,057.42	3,962.42	94.99	42.712		
11,400.00	7,630.00	7,746.62	7,655.33	82.02	30.57	90.83	-3,619.69	1,063.00	3,985.41	3,890.07	95.35	41.799		
11,500.00	7,630.00	7,745.87	7,654.58	82.03	30.57	90.81	-3,619.69	1,063.00	3,914.64	3,818.92	95.72	40.897		
11,600.00	7,630.00	7,745.11	7,653.81	82.06	30.57	90.80	-3,619.70	1,062.99	3,845.17	3,749.05	96.12	40.006		
11,700.00	7,630.00	7,744.34	7,653.04	82.12	30.57	90.78	-3,619.70	1,062.99	3,777.06	3,680.53	96.53	39.127		
11,800.00	7,630.00	7,743.56	7,652.27	82.21	30.56	90.77	-3,619.71	1,062.98	3,710.40	3,613.43	96.97	38.262		
11,900.00	7,630.00	7,742.78	7,651.48	82.33	30.56	90.75	-3,619.72	1,062.98	3,645.27	3,547.83	97.44	37.412		
12,000.00	7,630.00	7,741.98	7,650.69	82.48	30.56	90.73	-3,619.73	1,062.97	3,581.74	3,483.81	97.92	36.577		
12,100.00	7,630.00	7,741.18	7,649.89	82.66	30.56	90.72	-3,619.73	1,062.97	3,519.90	3,421.47	98.43	35.759		
12,200.00	7,630.00	7,740.37	7,649.08	82.88	30.55	90.70	-3,619.74	1,062.96	3,459.86	3,360.89	98.97	34.959		
12,300.00	7,630.00	7,739.55	7,648.26	83.14	30.55	90.68	-3,619.75	1,062.96	3,401.69	3,302.16	99.53	34.179		
12,400.00	7,630.00	7,738.73	7,647.43	83.44	30.55	90.67	-3,619.75	1,062.95	3,345.50	3,245.39	100.11	33.419		
12,500.00	7,630.00	7,737.89	7,646.60	83.79	30.55	90.65	-3,619.76	1,062.95	3,291.39	3,190.68	100.71	32.681		
12,600.00	7,630.00	7,737.05	7,645.75	84.18	30.54	90.63	-3,619.77	1,062.94	3,239.46	3,138.13	101.34	31.967		
12,700.00	7,630.00	7,736.19	7,644.90	84.61	30.54	90.61	-3,619.78	1,062.94	3,189.83	3,087.85	101.98	31.279		
12,800.00	7,630.00	7,735.33	7,644.04	85.10	30.54	90.60	-3,619.78	1,062.93	3,142.59	3,039.95	102.64	30.617		
12,900.00	7,630.00	7,734.46	7,643.17	85.64	30.54	90.58	-3,619.79	1,062.93	3,097.86	2,994.54	103.32	29.983		
13,000.00	7,630.00	7,733.58	7,642.28	86.22	30.53	90.56	-3,619.80	1,062.92	3,055.75	2,951.74	104.01	29.379		
13,100.00	7,630.00	7,732.69	7,641.39	86.86	30.53	90.54	-3,619.81	1,062.92	3,016.37	2,911.65	104.71	28.806		
13,200.00	7,630.00	7,731.79	7,640.49	87.56	30.53	90.52	-3,619.82	1,062.91	2,979.82	2,874.40	105.42	28.266		
13,300.00	7,630.00	7,730.88	7,639.58	88.30	30.52	90.50	-3,619.82	1,062.91	2,946.22	2,840.09	106.13	27.760		
13,400.00	7,630.00	7,729.96	7,638.66	89.10	30.52	90.49	-3,619.83	1,062.90	2,915.66	2,808.82	106.84	27.290		
13,500.00	7,630.00	7,729.03	7,637.73	89.94	30.52	90.47	-3,619.84	1,062.90	2,888.24	2,780.70	107.54	26.857		
13,600.00	7,630.00	7,728.09	7,636.79	90.84	30.51	90.45	-3,619.85	1,062.89	2,864.05	2,755.82	108.23	26.462		
13,700.00	7,630.00	7,727.14	7,635.84	91.78	30.51	90.43	-3,619.86	1,062.89	2,843.17	2,734.26	108.91	26.106		
13,800.00	7,630.00	7,726.17	7,634.88	92.77	30.51	90.41	-3,619.87	1,062.88	2,825.69	2,716.12	109.57	25.790		
13,900.00	7,630.00	7,725.20	7,633.91	93.79	30.51	90.39	-3,619.88	1,062.88	2,811.65	2,701.45	110.20	25.515		
14,000.00	7,630.00	7,724.22	7,632.92	94.86	30.50	90.37	-3,619.89	1,062.87	2,801.11	2,690.31	110.80	25.282		
14,100.00	7,630.00	7,723.22	7,631.93	95.97	30.50	90.35	-3,619.90	1,062.87	2,794.11	2,682.75	111.36	25.090		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ STIPANOVICH 8-0-27 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 120-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,630.00	7,722.22	7,630.92	97.11	30.50	90.33	-3,619.91	1,062.86	2,790.68	2,678.79	111.89	24.942		
14,245.77	7,630.00	7,721.75	7,630.46	97.64	30.49	90.32	-3,619.91	1,062.86	2,790.31	2,678.19	112.12	24.888 CC, ES		
14,300.00	7,630.00	7,721.20	7,629.90	98.28	30.49	90.31	-3,619.92	1,062.85	2,790.83	2,678.46	112.37	24.836		
14,400.00	7,630.00	7,720.17	7,628.87	99.48	30.49	90.28	-3,619.93	1,062.85	2,794.56	2,681.75	112.81	24.772		
14,500.00	7,630.00	7,719.12	7,627.83	100.72	30.49	90.26	-3,619.94	1,062.84	2,801.86	2,688.66	113.20	24.751 SF		
14,600.00	7,630.00	7,718.07	7,626.78	101.97	30.48	90.24	-3,619.95	1,062.84	2,812.70	2,699.16	113.54	24.772		
14,700.00	7,630.00	7,717.00	7,625.71	103.26	30.48	90.22	-3,619.96	1,062.83	2,827.03	2,713.20	113.83	24.835		
14,800.00	7,630.00	7,715.92	7,624.63	104.56	30.48	90.20	-3,619.97	1,062.83	2,844.81	2,730.74	114.07	24.938		
14,900.00	7,630.00	7,714.83	7,623.54	105.89	30.47	90.18	-3,619.98	1,062.82	2,865.97	2,751.70	114.26	25.082		
15,000.00	7,630.00	7,713.73	7,622.43	107.24	30.45	90.15	-3,619.99	1,062.81	2,890.43	2,776.03	114.41	25.265		
15,100.00	7,630.00	7,712.61	7,621.31	108.60	30.47	90.13	-3,620.00	1,062.81	2,918.12	2,803.62	114.50	25.486		
15,200.00	7,630.00	7,711.47	7,620.18	109.98	30.46	90.11	-3,620.01	1,062.80	2,948.94	2,834.40	114.55	25.744		
15,300.00	7,630.00	7,710.33	7,619.03	111.38	30.46	90.08	-3,620.03	1,062.79	2,982.80	2,868.25	114.55	26.039		
15,400.00	7,630.00	7,709.16	7,617.87	112.79	30.45	90.06	-3,620.04	1,062.79	3,019.59	2,905.07	114.52	26.368		
15,500.00	7,630.00	7,707.99	7,616.70	114.22	30.45	90.03	-3,620.05	1,062.78	3,059.20	2,944.76	114.44	26.731		
15,600.00	7,630.00	7,706.80	7,615.51	115.66	30.45	90.01	-3,620.06	1,062.78	3,101.54	2,987.20	114.34	27.126		
15,700.00	7,630.00	7,705.59	7,614.30	117.11	30.44	89.99	-3,620.08	1,062.77	3,146.48	3,032.28	114.20	27.553		
15,800.00	7,630.00	7,704.37	7,613.08	118.57	30.44	89.96	-3,620.09	1,062.76	3,193.93	3,079.89	114.03	28.009		
15,900.00	7,630.00	7,703.14	7,611.84	120.05	30.43	89.94	-3,620.10	1,062.76	3,243.76	3,129.92	113.84	28.493		
16,000.00	7,630.00	7,701.88	7,610.59	121.53	30.43	89.91	-3,620.12	1,062.75	3,295.87	3,182.24	113.63	29.004		
16,100.00	7,630.00	7,700.62	7,609.32	123.03	30.43	89.88	-3,620.13	1,062.74	3,350.16	3,236.76	113.40	29.542		
16,200.00	7,630.00	7,699.33	7,608.04	124.53	30.42	89.86	-3,620.14	1,062.74	3,406.52	3,293.36	113.16	30.104		
16,300.00	7,630.00	7,698.21	7,606.91	126.04	30.42	89.83	-3,620.16	1,062.73	3,464.85	3,351.95	112.90	30.689		
16,400.00	7,630.00	7,697.15	7,605.85	127.56	30.42	89.81	-3,620.17	1,062.72	3,525.05	3,412.42	112.64	31.296		
16,500.00	7,630.00	7,696.09	7,604.80	129.09	30.41	89.79	-3,620.18	1,062.72	3,587.03	3,474.67	112.36	31.924		
16,600.00	7,630.00	7,695.05	7,603.76	130.62	30.41	89.77	-3,620.19	1,062.71	3,650.69	3,538.62	112.08	32.573		
16,700.00	7,630.00	7,694.01	7,602.72	132.16	30.41	89.75	-3,620.20	1,062.71	3,715.96	3,604.17	111.79	33.240		
16,800.00	7,630.00	7,692.98	7,601.69	133.71	30.40	89.73	-3,620.21	1,062.70	3,782.74	3,671.24	111.50	33.925		
16,900.00	7,630.00	7,691.95	7,600.66	135.27	30.40	89.71	-3,620.22	1,062.70	3,850.96	3,739.75	111.21	34.627		
17,000.00	7,630.00	7,690.93	7,599.64	136.83	30.40	89.68	-3,620.24	1,062.69	3,920.55	3,809.63	110.92	35.345		
17,100.00	7,630.00	7,689.92	7,598.63	138.39	30.39	89.66	-3,620.25	1,062.69	3,991.43	3,880.79	110.63	36.078		
17,200.00	7,630.00	7,688.92	7,597.63	139.97	30.39	89.64	-3,620.26	1,062.68	4,063.53	3,953.18	110.35	36.825		
17,300.00	7,630.00	7,687.92	7,596.63	141.54	30.39	89.62	-3,620.27	1,062.68	4,136.79	4,026.73	110.06	37.586		
17,400.00	7,630.00	7,686.93	7,595.64	143.12	30.38	89.60	-3,620.28	1,062.67	4,211.15	4,101.37	109.78	38.359		
17,500.00	7,630.00	7,685.94	7,594.65	144.71	30.38	89.58	-3,620.29	1,062.67	4,286.56	4,177.05	109.50	39.145		
17,600.00	7,630.00	7,684.96	7,593.67	146.30	30.38	89.56	-3,620.30	1,062.66	4,362.95	4,253.72	109.23	39.942		
17,700.00	7,630.00	7,683.99	7,592.70	147.90	30.37	89.54	-3,620.31	1,062.66	4,440.28	4,331.32	108.97	40.749		
17,800.00	7,630.00	7,683.03	7,591.73	149.50	30.37	89.52	-3,620.32	1,062.65	4,518.51	4,409.80	108.70	41.567		
17,900.00	7,630.00	7,682.07	7,590.77	151.10	30.37	89.50	-3,620.33	1,062.65	4,597.57	4,489.12	108.45	42.394		
18,000.00	7,630.00	7,681.11	7,589.82	152.71	30.36	89.48	-3,620.34	1,062.64	4,677.44	4,569.24	108.20	43.230		
18,100.00	7,630.00	7,680.16	7,588.87	154.32	30.36	89.46	-3,620.35	1,062.64	4,758.06	4,650.11	107.95	44.075		
18,200.00	7,630.00	7,679.22	7,587.93	155.94	30.36	89.44	-3,620.36	1,062.63	4,839.41	4,731.70	107.72	44.927		
18,300.00	7,630.00	7,678.29	7,587.00	157.56	30.36	89.43	-3,620.37	1,062.63	4,921.45	4,813.97	107.49	45.787		
18,400.00	7,630.00	7,677.36	7,586.07	159.18	30.35	89.41	-3,620.38	1,062.62	5,004.14	4,896.88	107.26	46.654		
18,500.00	7,630.00	7,676.43	7,585.14	160.80	30.35	89.39	-3,620.39	1,062.62	5,087.45	4,980.41	107.04	47.528		
18,600.00	7,630.00	7,675.52	7,584.23	162.43	30.35	89.37	-3,620.40	1,062.61	5,171.36	5,064.53	106.83	48.408		
18,700.00	7,630.00	7,674.61	7,583.32	164.06	30.34	89.35	-3,620.41	1,062.61	5,255.82	5,149.20	106.62	49.294		
18,800.00	7,630.00	7,673.70	7,582.41	165.70	30.34	89.33	-3,620.42	1,062.61	5,340.83	5,234.40	106.42	50.185		
18,900.00	7,630.00	7,672.80	7,581.51	167.33	30.34	89.31	-3,620.42	1,062.60	5,426.34	5,320.11	106.23	51.082		
19,000.00	7,630.00	7,671.90	7,580.61	168.97	30.34	89.29	-3,620.43	1,062.60	5,512.34	5,406.30	106.04	51.983		
19,021.79	7,630.00	7,671.71	7,580.42	169.33	30.33	89.29	-3,620.44	1,062.60	5,531.14	5,425.14	106.00	52.180		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ STIPANOVICH 8-2-27 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 92-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	175.37	-4,029.02	326.26	4,042.24					
100.00	100.00	98.23	98.23	0.13	0.16	175.37	-4,028.86	326.48	4,042.09	4,041.79	0.30	N/A		
200.00	200.00	248.63	248.60	0.49	0.70	175.34	-4,027.26	328.52	4,041.14	4,039.94	1.20	3,369.503		
300.00	300.00	305.00	304.94	0.85	0.91	175.31	-4,026.12	329.95	4,039.67	4,037.91	1.76	2,296.311		
319.94	319.94	305.00	304.94	0.92	0.91	175.31	-4,026.12	329.95	4,039.62	4,037.79	1.83	2,206.409		
400.00	400.00	305.00	304.94	1.21	0.91	175.31	-4,026.12	329.95	4,040.41	4,038.29	2.12	1,905.280		
429.61	429.61	387.47	387.35	1.32	1.21	175.27	-4,025.30	333.00	4,039.15	4,036.62	2.52	1,599.827		
500.00	500.00	417.66	417.51	1.57	1.32	175.25	-4,025.54	334.45	4,039.97	4,037.08	2.89	1,399.126		
600.00	600.00	460.51	460.28	1.93	1.48	175.22	-4,026.36	336.83	4,042.35	4,038.95	3.40	1,187.947		
700.00	700.00	503.29	502.95	2.29	1.63	175.18	-4,027.76	339.56	4,046.14	4,042.22	3.92	1,032.913		
800.00	799.98	545.99	545.49	2.64	1.79	113.26	-4,029.72	342.65	4,052.04	4,047.61	4.43	915.353		
900.00	899.84	639.00	637.94	2.99	2.13	113.06	-4,035.97	350.64	4,061.45	4,056.33	5.12	793.923		
1,000.00	999.45	639.00	637.94	3.35	2.13	112.87	-4,035.97	350.64	4,072.16	4,066.69	5.47	743.935		
1,100.00	1,098.70	676.68	675.31	3.73	2.28	112.62	-4,039.24	354.28	4,086.27	4,080.29	5.98	683.043		
1,200.00	1,197.47	731.00	729.08	4.11	2.50	112.35	-4,044.63	359.72	4,103.02	4,096.45	6.56	625.074		
1,300.00	1,295.62	759.66	757.39	4.53	2.62	112.02	-4,047.85	362.77	4,122.38	4,115.31	7.07	583.325		
1,400.00	1,393.06	794.19	791.42	4.97	2.76	111.65	-4,052.19	366.71	4,144.53	4,136.92	7.61	544.395		
1,500.00	1,489.64	825.00	821.70	5.44	2.89	111.23	-4,056.47	370.48	4,169.42	4,161.25	8.17	510.459		
1,600.00	1,585.27	865.02	860.90	5.95	3.07	110.78	-4,062.57	375.70	4,196.93	4,188.14	8.80	477.134		
1,700.00	1,679.82	920.00	914.53	6.51	3.32	110.34	-4,071.90	383.44	4,227.13	4,217.61	9.52	443.962		
1,800.00	1,773.17	920.00	914.53	7.13	3.32	109.69	-4,071.90	383.44	4,259.67	4,249.63	10.04	424.204		
1,900.00	1,865.21	969.78	962.86	7.79	3.57	109.16	-4,081.31	390.81	4,294.62	4,283.80	10.83	396.672		
2,000.00	1,955.84	1,014.00	1,005.60	8.51	3.78	108.57	-4,090.47	397.49	4,332.08	4,320.45	11.63	372.589		
2,100.00	2,044.94	1,043.04	1,033.58	9.30	3.94	107.88	-4,096.81	401.95	4,371.73	4,359.33	12.40	352.478		
2,200.00	2,132.39	1,086.22	1,075.10	10.15	4.17	107.21	-4,106.58	408.68	4,413.45	4,400.16	13.29	332.064		
2,300.00	2,218.11	1,151.40	1,137.64	11.07	4.52	106.63	-4,121.87	418.82	4,457.04	4,442.70	14.34	310.876		
2,400.00	2,301.97	1,298.85	1,279.62	12.06	5.33	106.55	-4,155.29	440.43	4,501.02	4,485.15	15.87	283.585		
2,500.00	2,383.88	1,343.11	1,322.20	13.11	5.58	105.84	-4,165.23	447.28	4,546.17	4,529.24	16.92	268.620		
2,512.74	2,394.17	1,348.67	1,327.54	13.25	5.61	105.75	-4,166.51	448.17	4,552.05	4,534.99	17.06	266.801		
2,600.00	2,464.54	1,432.24	1,407.69	14.22	6.09	106.27	-4,185.72	461.94	4,592.65	4,574.39	18.26	251.462		
2,700.00	2,545.18	1,523.95	1,495.66	15.35	6.63	106.82	-4,206.24	477.81	4,638.93	4,619.29	19.64	236.189		
2,800.00	2,625.82	1,592.38	1,561.26	16.50	7.03	107.22	-4,221.60	489.79	4,685.60	4,664.71	20.90	224.228		
2,900.00	2,706.45	1,655.74	1,621.90	17.65	7.41	107.59	-4,236.03	501.14	4,732.85	4,710.72	22.13	213.878		
3,000.00	2,787.09	1,729.99	1,692.92	18.82	7.86	108.01	-4,253.11	514.45	4,780.55	4,757.12	23.43	204.015		
3,100.00	2,867.73	1,862.80	1,820.04	19.99	8.66	108.74	-4,282.94	538.73	4,828.04	4,802.93	25.11	192.275		
3,200.00	2,948.37	1,920.89	1,875.72	21.17	9.01	109.05	-4,295.85	549.12	4,875.64	4,849.32	26.32	185.234		
3,300.00	3,029.01	2,017.91	1,968.88	22.36	9.59	109.59	-4,317.53	565.49	4,923.63	4,895.86	27.77	177.288		
3,400.00	3,109.65	2,110.34	2,057.68	23.55	10.14	110.08	-4,337.81	581.00	4,971.55	4,942.35	29.19	170.291		
3,500.00	3,190.29	2,157.55	2,103.01	24.74	10.43	110.33	-4,348.23	589.14	5,019.84	4,989.52	30.33	165.514		
3,600.00	3,270.93	2,196.23	2,140.02	25.94	10.67	110.53	-4,357.10	596.02	5,069.03	5,037.63	31.40	161.434		
3,700.00	3,351.57	2,260.96	2,201.80	27.14	11.07	110.86	-4,372.43	607.77	5,119.01	5,086.37	32.64	156.821		
3,800.00	3,432.21	2,361.40	2,297.86	28.35	11.69	111.36	-4,395.93	625.37	5,169.04	5,134.91	34.13	151.460		
3,900.00	3,512.85	2,415.01	2,415.01	29.56	12.10	111.96	-4,423.69	647.07	5,218.65	5,175.66	42.99	121.392		
4,000.00	3,593.49	2,553.56	2,481.93	30.76	12.87	112.30	-4,439.23	659.48	5,268.20	5,231.16	37.04	142.231		
4,100.00	3,674.13	2,603.97	2,530.10	31.97	13.18	112.53	-4,450.85	668.79	5,318.49	5,280.32	38.17	139.326		
4,200.00	3,754.77	2,759.19	2,678.68	33.19	14.14	113.24	-4,485.69	697.14	5,368.48	5,328.42	40.06	134.016		
4,300.00	3,835.41	2,849.31	2,765.16	34.40	14.69	113.65	-4,505.21	713.30	5,418.09	5,376.62	41.47	130.650		
4,400.00	3,916.05	2,911.45	2,824.84	35.62	15.06	113.93	-4,518.69	724.16	5,467.95	5,425.28	42.68	128.127		
4,500.00	3,996.69	2,971.00	2,881.96	36.83	15.43	114.19	-4,531.92	734.60	5,518.40	5,474.55	43.86	125.827		
4,600.00	4,077.33	3,051.08	2,958.73	38.05	15.92	114.55	-4,549.86	748.62	5,569.21	5,524.03	45.18	123.254		
4,700.00	4,157.96	3,119.24	3,024.09	39.27	16.33	114.84	-4,565.10	760.54	5,620.17	5,573.75	46.42	121.068		
4,800.00	4,238.60	3,187.12	3,089.09	40.49	16.75	115.13	-4,580.50	772.60	5,671.52	5,623.87	47.65	119.017		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ STIPANOVICH 8-2-27 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 92-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,900.00	4,319.24	3,275.63	3,173.83	41.71	17.30	115.49	-4,600.65	788.33	5,723.11	5,674.08	49.04	116.705		
5,000.00	4,399.88	3,398.73	3,291.83	42.93	18.06	116.00	-4,627.86	810.40	5,774.24	5,723.55	50.69	113.912		
5,100.00	4,480.52	3,472.17	3,362.16	44.15	18.51	116.28	-4,644.03	824.02	5,825.46	5,773.50	51.96	112.109		
5,200.00	4,561.16	3,540.06	3,427.16	45.37	18.93	116.55	-4,659.11	836.58	5,876.97	5,823.78	53.19	110.493		
5,300.00	4,641.80	3,590.90	3,475.82	46.59	19.25	116.74	-4,670.56	845.86	5,928.92	5,874.64	54.27	109.242		
5,400.00	4,722.44	3,654.54	3,536.69	47.82	19.64	116.99	-4,685.19	857.27	5,981.40	5,925.95	55.45	107.866		
5,500.00	4,803.08	3,719.88	3,617.83	49.04	20.02	117.24	-4,700.82	869.68	6,033.23	6,000.00	56.63	106.493		
5,600.00	4,883.72	3,789.83	3,686.86	50.27	20.40	117.49	-4,716.45	882.09	6,084.92	6,026.36	57.81	105.169		
5,700.00	4,964.36	3,859.88	3,755.91	51.49	20.78	117.74	-4,732.08	894.50	6,137.23	6,077.69	58.99	103.845		
5,800.00	5,045.00	3,929.93	3,821.96	52.71	21.16	117.99	-4,747.71	906.91	6,189.47	6,129.70	60.17	102.521		
5,900.00	5,125.64	4,000.00	3,892.00	53.94	21.54	118.24	-4,763.34	919.32	6,241.70	6,182.38	61.35	101.197		
6,000.00	5,206.28	4,070.00	3,962.00	55.17	21.92	118.49	-4,778.97	931.73	6,293.93	6,235.29	62.53	100.000		
6,100.00	5,286.92	4,140.00	4,032.00	56.39	22.30	118.74	-4,794.60	944.14	6,346.16	6,287.60	63.71	98.771		
6,200.00	5,367.56	4,210.00	4,104.00	57.62	22.68	118.99	-4,810.23	956.55	6,398.39	6,339.21	64.89	97.542		
6,300.00	5,448.20	4,280.00	4,176.00	58.84	23.06	119.24	-4,825.86	968.96	6,450.62	6,391.44	66.07	96.313		
6,400.00	5,528.84	4,350.00	4,248.00	60.07	23.44	119.49	-4,841.49	981.37	6,502.85	6,443.67	67.25	95.084		
6,500.00	5,609.47	4,420.00	4,320.00	61.30	23.82	119.74	-4,857.12	993.78	6,555.08	6,495.90	68.43	93.855		
6,600.00	5,690.11	4,490.00	4,392.00	62.53	24.20	119.99	-4,872.75	1,006.19	6,607.31	6,548.13	69.61	92.626		
6,700.00	5,770.75	4,560.00	4,464.00	63.75	24.58	120.24	-4,888.38	1,018.60	6,659.54	6,600.36	70.79	91.397		
6,800.00	5,851.39	4,630.00	4,536.00	64.98	24.96	120.49	-4,904.01	1,031.01	6,711.77	6,652.59	71.97	90.168		
6,900.00	5,932.03	4,700.00	4,608.00	66.21	25.34	120.74	-4,919.64	1,043.42	6,764.00	6,704.82	73.15	88.939		
7,000.00	6,012.67	4,770.00	4,680.00	67.44	25.72	120.99	-4,935.27	1,055.83	6,816.23	6,757.05	74.33	87.710		
7,100.00	6,093.31	4,840.00	4,752.00	68.66	26.10	121.24	-4,950.90	1,068.24	6,868.46	6,809.28	75.51	86.481		
7,200.00	6,173.95	4,910.00	4,824.00	69.89	26.48	121.49	-4,966.53	1,080.65	6,920.69	6,861.51	76.69	85.252		
7,300.00	6,254.59	4,980.00	4,896.00	71.12	26.86	121.74	-4,982.16	1,093.06	6,972.92	6,913.74	77.87	84.023		
7,400.00	6,335.23	5,050.00	4,968.00	72.35	27.24	121.99	-4,997.79	1,105.47	7,025.15	6,965.97	79.05	82.794		
7,500.00	6,415.87	5,120.00	5,040.00	73.58	27.62	122.24	-5,013.42	1,117.88	7,077.38	7,018.20	80.23	81.565		
7,600.00	6,496.51	5,190.00	5,112.00	74.81	28.00	122.49	-5,029.05	1,130.29	7,129.61	7,070.45	81.41	80.336		
7,700.00	6,577.15	5,260.00	5,184.00	76.04	28.38	122.74	-5,044.68	1,142.70	7,181.84	7,122.68	82.59	79.107		
7,800.00	6,657.79	5,330.00	5,256.00	77.27	28.76	122.99	-5,060.31	1,155.11	7,234.07	7,174.91	83.77	77.878		
7,900.00	6,738.43	5,400.00	5,328.00	78.50	29.14	123.24	-5,075.94	1,167.52	7,286.30	7,227.14	84.95	76.649		
8,000.00	6,819.07	5,470.00	5,400.00	79.73	29.52	123.49	-5,091.57	1,179.93	7,338.53	7,279.37	86.13	75.420		
8,100.00	6,899.71	5,540.00	5,472.00	80.96	29.90	123.74	-5,107.20	1,192.34	7,390.76	7,331.60	87.31	74.191		
8,200.00	6,980.35	5,610.00	5,544.00	82.18	30.28	123.99	-5,122.83	1,204.75	7,442.99	7,383.83	88.49	72.962		
8,240.58	7,013.07	5,640.00	5,576.00	82.68	30.48	124.04	-5,129.05	1,208.00	7,460.00	7,400.00	88.80	72.500		
8,250.00	7,020.68	5,650.00	5,584.00	82.80	30.54	124.06	-5,131.27	1,209.00	7,465.00	7,405.00	88.90	72.375		
8,300.00	7,061.63	5,680.00	5,614.00	83.40	30.66	124.10	-5,136.30	1,212.00	7,475.00	7,415.00	89.10	72.125		
8,350.00	7,103.23	5,710.00	5,656.00	83.97	30.78	124.14	-5,141.33	1,215.00	7,485.00	7,425.00	89.30	71.875		
8,400.00	7,145.18	5,740.00	5,698.00	84.51	30.90	124.18	-5,146.36	1,218.00	7,495.00	7,435.00	89.50	71.625		
8,450.00	7,187.16	5,770.00	5,740.00	85.01	31.02	124.22	-5,151.39	1,221.00	7,505.00	7,445.00	89.70	71.375		
8,500.00	7,228.84	5,800.00	5,782.00	85.46	31.14	124.26	-5,156.42	1,224.00	7,515.00	7,455.00	89.90	71.125		
8,550.00	7,269.91	5,830.00	5,824.00	85.86	31.26	124.30	-5,161.45	1,227.00	7,525.00	7,465.00	90.10	70.875		
8,600.00	7,310.05	5,860.00	5,860.00	86.20	31.38	124.34	-5,166.48	1,230.00	7,535.00	7,475.00	90.30	70.625		
8,650.00	7,348.97	5,890.00	5,890.00	86.50	31.50	124.38	-5,171.51	1,233.00	7,545.00	7,485.00	90.50	70.375		
8,700.00	7,386.36	5,920.00	5,920.00	86.74	31.62	124.42	-5,176.54	1,236.00	7,555.00	7,495.00	90.70	70.125		
8,750.00	7,421.94	5,950.00	5,950.00	86.93	31.74	124.46	-5,181.57	1,239.00	7,565.00	7,505.00	90.90	69.875		
8,800.00	7,455.44	5,980.00	5,980.00	87.07	31.86	124.50	-5,186.60	1,242.00	7,575.00	7,515.00	91.10	69.625		
8,850.00	7,486.61	6,010.00	6,010.00	87.16	31.98	124.54	-5,191.63	1,245.00	7,585.00	7,525.00	91.30	69.375		
8,900.00	7,515.20	6,040.00	6,040.00	87.20	32.10	124.58	-5,196.66	1,248.00	7,595.00	7,535.00	91.50	69.125		
8,950.00	7,541.00	6,070.00	6,070.00	87.21	32.22	124.62	-5,201.69	1,251.00	7,605.00	7,545.00	91.70	68.875		
9,000.00	7,563.81	6,100.00	6,100.00	87.17	32.34	124.66	-5,206.72	1,254.00	7,615.00	7,555.00	91.90	68.625		
9,050.00	7,583.47	6,130.00	6,130.00	87.10	32.46	124.70	-5,211.75	1,257.00	7,625.00	7,565.00	92.10	68.375		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ STIPANOVICH 8-2-27 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 92-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,100.00	7,599.81	7,912.52	7,754.83	87.00	34.21	69.05	-4,899.17	1,069.96	6,990.62	6,890.97	99.65	70.151		
9,150.00	7,612.72	7,918.88	7,761.19	86.88	34.22	72.56	-4,899.05	1,070.06	6,949.96	6,850.13	99.83	69.620		
9,200.00	7,622.09	7,923.37	7,765.68	86.72	34.24	77.41	-4,898.97	1,070.13	6,907.52	6,807.53	99.98	69.088		
9,250.00	7,627.87	7,925.95	7,768.26	86.55	34.24	83.93	-4,898.92	1,070.17	6,863.59	6,763.47	100.11	68.558		
9,303.98	7,630.00	7,926.56	7,768.87	86.35	34.24	93.17	-4,898.91	1,070.18	6,814.86	6,714.63	100.24	67.988		
9,400.00	7,630.00	7,925.62	7,767.93	85.99	34.24	93.15	-4,898.92	1,070.16	6,727.33	6,626.89	100.44	66.979		
9,500.00	7,630.00	7,924.64	7,766.94	85.62	34.24	93.13	-4,898.94	1,070.15	6,636.41	6,535.75	100.66	65.931		
9,600.00	7,630.00	7,923.64	7,765.95	85.28	34.24	93.11	-4,898.96	1,070.13	6,545.76	6,444.88	100.89	64.883		
9,700.00	7,630.00	7,922.64	7,764.95	84.95	34.23	93.09	-4,898.98	1,070.12	6,455.39	6,354.27	101.12	63.837		
9,800.00	7,630.00	7,921.63	7,763.94	84.64	34.23	93.07	-4,899.00	1,070.11	6,365.30	6,263.93	101.37	62.793		
9,900.00	7,630.00	7,920.61	7,762.92	84.34	34.23	93.05	-4,899.02	1,070.09	6,275.52	6,173.89	101.63	61.751		
10,000.00	7,630.00	7,919.58	7,761.89	84.06	34.22	93.03	-4,899.04	1,070.07	6,186.04	6,084.15	101.89	60.710		
10,100.00	7,630.00	7,918.55	7,760.86	83.80	34.22	93.00	-4,899.06	1,070.06	6,096.90	5,994.72	102.17	59.672		
10,200.00	7,630.00	7,917.50	7,759.81	83.56	34.22	92.98	-4,899.08	1,070.04	6,008.09	5,905.63	102.47	58.635		
10,300.00	7,630.00	7,916.45	7,758.76	83.33	34.22	92.96	-4,899.10	1,070.03	5,919.65	5,816.88	102.77	57.602		
10,400.00	7,630.00	7,915.39	7,757.70	83.12	34.21	92.94	-4,899.12	1,070.01	5,831.57	5,728.49	103.08	56.571		
10,500.00	7,630.00	7,914.31	7,756.62	82.92	34.21	92.92	-4,899.14	1,069.99	5,743.89	5,640.47	103.41	55.543		
10,600.00	7,630.00	7,913.23	7,755.54	82.75	34.21	92.90	-4,899.16	1,069.98	5,656.61	5,552.85	103.76	54.518		
10,700.00	7,630.00	7,912.14	7,754.46	82.59	34.20	92.87	-4,899.18	1,069.96	5,569.76	5,465.65	104.11	53.497		
10,800.00	7,630.00	7,911.05	7,753.36	82.45	34.20	92.85	-4,899.20	1,069.94	5,483.36	5,378.87	104.49	52.479		
10,900.00	7,630.00	7,909.94	7,752.25	82.33	34.20	92.83	-4,899.22	1,069.92	5,397.43	5,292.55	104.87	51.466		
11,000.00	7,630.00	7,908.82	7,751.13	82.22	34.20	92.80	-4,899.25	1,069.90	5,311.99	5,206.71	105.28	50.457		
11,100.00	7,630.00	7,907.69	7,750.00	82.14	34.19	92.78	-4,899.27	1,069.88	5,227.06	5,121.37	105.70	49.452		
11,200.00	7,630.00	7,906.55	7,748.87	82.08	34.19	92.76	-4,899.29	1,069.86	5,142.68	5,036.54	106.14	48.453		
11,300.00	7,630.00	7,905.41	7,747.72	82.04	34.19	92.73	-4,899.31	1,069.84	5,058.87	4,952.27	106.59	47.459		
11,400.00	7,630.00	7,904.25	7,746.56	82.02	34.18	92.71	-4,899.34	1,069.82	4,975.65	4,868.58	107.07	46.471		
11,500.00	7,630.00	7,903.08	7,745.40	82.03	34.18	92.69	-4,899.36	1,069.80	4,893.07	4,785.50	107.56	45.490		
11,600.00	7,630.00	7,901.90	7,744.22	82.06	34.18	92.66	-4,899.38	1,069.78	4,811.14	4,703.06	108.08	44.515		
11,700.00	7,630.00	7,900.72	7,743.03	82.12	34.17	92.64	-4,899.41	1,069.76	4,729.90	4,621.29	108.61	43.548		
11,800.00	7,630.00	7,899.52	7,741.83	82.21	34.17	92.61	-4,899.43	1,069.74	4,649.40	4,540.23	109.17	42.589		
11,900.00	7,630.00	7,898.30	7,740.62	82.33	34.13	92.31	-4,899.74	1,069.46	4,569.70	4,460.03	109.67	41.667		
12,000.00	7,630.00	7,885.00	7,727.32	82.48	34.13	92.31	-4,899.74	1,069.46	4,490.78	4,380.50	110.28	40.722		
12,100.00	7,630.00	7,885.00	7,727.32	82.66	34.13	92.31	-4,899.74	1,069.46	4,412.71	4,301.80	110.91	39.787		
12,200.00	7,630.00	7,904.10	7,746.42	82.88	34.18	92.71	-4,899.32	1,069.85	4,335.50	4,223.82	111.68	38.821		
12,300.00	7,630.00	7,901.49	7,743.81	83.14	34.18	92.65	-4,899.38	1,069.80	4,259.29	4,146.94	112.34	37.913		
12,400.00	7,630.00	7,898.89	7,741.21	83.44	34.17	92.60	-4,899.44	1,069.75	4,184.07	4,071.04	113.03	37.017		
12,500.00	7,630.00	7,896.31	7,738.63	83.79	34.16	92.55	-4,899.49	1,069.69	4,109.92	3,996.17	113.74	36.133		
12,600.00	7,630.00	7,893.74	7,736.06	84.18	34.15	92.49	-4,899.55	1,069.64	4,036.87	3,922.39	114.48	35.262		
12,700.00	7,630.00	7,891.18	7,733.50	84.61	34.15	92.44	-4,899.60	1,069.59	3,965.00	3,849.76	115.24	34.406		
12,800.00	7,630.00	7,888.64	7,730.96	85.10	34.14	92.39	-4,899.66	1,069.53	3,894.38	3,778.35	116.03	33.565		
12,900.00	7,630.00	7,886.11	7,728.43	85.64	34.13	92.34	-4,899.71	1,069.48	3,825.06	3,708.22	116.83	32.739		
13,000.00	7,630.00	7,883.59	7,725.92	86.22	34.13	92.29	-4,899.77	1,069.43	3,757.12	3,639.45	117.67	31.931		
13,100.00	7,630.00	7,881.09	7,723.41	86.86	34.12	92.23	-4,899.82	1,069.38	3,690.64	3,572.12	118.52	31.140		
13,200.00	7,630.00	7,878.60	7,720.93	87.56	34.11	92.18	-4,899.88	1,069.33	3,625.70	3,506.31	119.39	30.368		
13,300.00	7,630.00	7,876.13	7,718.45	88.30	34.11	92.13	-4,899.93	1,069.28	3,562.38	3,442.10	120.28	29.617		
13,400.00	7,630.00	7,873.66	7,715.99	89.10	34.10	92.08	-4,899.98	1,069.23	3,500.77	3,379.58	121.19	28.886		
13,500.00	7,630.00	7,871.21	7,713.54	89.94	34.09	92.03	-4,900.03	1,069.18	3,440.96	3,318.85	122.11	28.178		
13,600.00	7,630.00	7,868.77	7,711.10	90.84	34.08	91.98	-4,900.09	1,069.13	3,383.05	3,260.00	123.05	27.494		
13,700.00	7,630.00	7,866.35	7,708.68	91.78	34.08	91.93	-4,900.14	1,069.09	3,327.14	3,203.15	123.99	26.834		
13,800.00	7,630.00	7,863.94	7,706.27	92.77	34.07	91.88	-4,900.19	1,069.04	3,273.32	3,148.39	124.94	26.199		
13,900.00	7,630.00	7,861.54	7,703.87	93.79	34.06	91.83	-4,900.24	1,068.99	3,221.71	3,095.83	125.89	25.592		
14,000.00	7,630.00	7,859.15	7,701.48	94.86	34.06	91.78	-4,900.29	1,068.94	3,172.42	3,045.59	126.83	25.013		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 22-T1N-R68W - EXIST HZ STIPANOVICH 8-2-27 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 92-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,100.00	7,630.00	7,856.78	7,699.11	95.97	34.05	91.73	-4,900.34	1,068.90	3,125.54	2,997.78	127.76	24.464		
14,200.00	7,630.00	7,854.41	7,696.75	97.11	34.04	91.68	-4,900.39	1,068.85	3,081.19	2,952.52	128.68	23.945		
14,300.00	7,630.00	7,852.06	7,694.40	98.28	34.04	91.64	-4,900.44	1,068.80	3,039.49	2,909.92	129.57	23.458		
14,400.00	7,630.00	7,849.72	7,692.06	99.48	34.03	91.59	-4,900.48	1,068.76	3,000.54	2,870.10	130.44	23.004		
14,500.00	7,630.00	7,847.40	7,689.73	100.72	34.03	91.54	-4,900.53	1,068.71	2,964.45	2,833.18	131.27	22.583		
14,600.00	7,630.00	7,845.08	7,687.42	101.97	34.02	91.49	-4,900.58	1,068.67	2,931.33	2,799.27	132.06	22.197		
14,700.00	7,630.00	7,842.78	7,685.12	103.26	34.01	91.44	-4,900.63	1,068.63	2,901.28	2,768.48	132.80	21.848		
14,800.00	7,630.00	7,840.49	7,682.83	104.56	34.01	91.40	-4,900.68	1,068.58	2,874.39	2,740.91	133.48	21.535		
14,900.00	7,630.00	7,838.21	7,680.55	105.89	34.00	91.35	-4,900.72	1,068.54	2,850.76	2,716.66	134.10	21.259		
15,000.00	7,630.00	7,835.94	7,678.28	107.24	33.99	91.30	-4,900.77	1,068.50	2,830.46	2,695.81	134.64	21.022		
15,100.00	7,630.00	7,833.68	7,676.03	108.60	33.99	91.26	-4,900.81	1,068.45	2,813.57	2,678.45	135.12	20.823		
15,200.00	7,630.00	7,831.44	7,673.78	109.98	33.98	91.21	-4,900.86	1,068.41	2,800.15	2,664.64	135.51	20.664		
15,300.00	7,630.00	7,829.20	7,671.55	111.38	33.98	91.17	-4,900.91	1,068.37	2,790.25	2,654.43	135.82	20.544		
15,400.00	7,630.00	7,826.98	7,669.33	112.79	33.97	91.12	-4,900.95	1,068.33	2,783.91	2,647.87	136.04	20.464		
15,500.00	7,630.00	7,824.77	7,667.11	114.22	33.96	91.07	-4,901.00	1,068.29	2,781.15	2,644.98	136.17	20.424		
15,526.84	7,630.00	7,824.18	7,666.52	114.60	33.96	91.06	-4,901.01	1,068.27	2,781.02	2,644.83	136.19	20.420 CC, ES, SF		
15,600.00	7,630.00	7,822.57	7,664.91	115.66	33.96	91.03	-4,901.04	1,068.25	2,781.98	2,645.77	136.21	20.424		
15,700.00	7,630.00	7,820.38	7,662.72	117.11	33.95	90.98	-4,901.08	1,068.20	2,786.40	2,650.24	136.16	20.464		
15,800.00	7,630.00	7,818.20	7,660.55	118.57	33.94	90.94	-4,901.13	1,068.16	2,794.39	2,658.37	136.02	20.543		
15,900.00	7,630.00	7,816.03	7,658.38	120.05	33.94	90.89	-4,901.17	1,068.12	2,805.93	2,670.13	135.80	20.662		
16,000.00	7,630.00	7,813.87	7,656.22	121.53	33.93	90.85	-4,901.21	1,068.08	2,820.96	2,685.47	135.50	20.819		
16,100.00	7,630.00	7,811.73	7,654.08	123.03	33.93	90.81	-4,901.26	1,068.05	2,839.44	2,704.33	135.11	21.015		
16,200.00	7,630.00	7,809.59	7,651.94	124.53	33.92	90.76	-4,901.30	1,068.01	2,861.29	2,726.63	134.66	21.248		
16,300.00	7,630.00	7,807.46	7,649.81	126.04	33.91	90.72	-4,901.34	1,067.97	2,886.45	2,752.30	134.14	21.518		
16,400.00	7,630.00	7,805.35	7,647.70	127.56	33.91	90.67	-4,901.38	1,067.93	2,914.81	2,781.25	133.56	21.823		
16,500.00	7,630.00	7,803.80	7,646.16	129.09	33.90	90.64	-4,901.41	1,067.91	2,946.30	2,813.36	132.94	22.163		
16,600.00	7,630.00	7,801.56	7,643.91	130.62	33.90	90.60	-4,901.45	1,067.86	2,980.81	2,848.55	132.26	22.537		
16,700.00	7,630.00	7,799.34	7,641.70	132.16	33.89	90.55	-4,901.50	1,067.82	3,018.24	2,886.69	131.55	22.944		
16,800.00	7,630.00	7,797.17	7,639.52	133.71	33.89	90.51	-4,901.54	1,067.78	3,058.48	2,927.68	130.80	23.383		
16,900.00	7,630.00	7,795.02	7,637.38	135.27	33.88	90.46	-4,901.59	1,067.75	3,101.42	2,971.39	130.03	23.852		
17,000.00	7,630.00	7,792.91	7,635.27	136.83	33.87	90.42	-4,901.63	1,067.71	3,146.95	3,017.72	129.24	24.350		
17,100.00	7,630.00	7,790.83	7,633.19	138.39	33.87	90.37	-4,901.67	1,067.67	3,194.97	3,066.53	128.43	24.876		
17,200.00	7,630.00	7,788.78	7,631.14	139.97	33.86	90.33	-4,901.71	1,067.64	3,245.35	3,117.73	127.62	25.429		
17,300.00	7,630.00	7,786.76	7,629.12	141.54	33.86	90.29	-4,901.75	1,067.60	3,298.00	3,171.20	126.81	26.008		
17,400.00	7,630.00	7,784.77	7,627.13	143.12	33.85	90.25	-4,901.78	1,067.57	3,352.80	3,226.81	125.99	26.612		
17,500.00	7,630.00	7,782.81	7,625.17	144.71	33.85	90.21	-4,901.82	1,067.53	3,409.66	3,284.48	125.18	27.239		
17,600.00	7,630.00	7,780.88	7,623.24	146.30	33.84	90.17	-4,901.86	1,067.50	3,468.46	3,344.09	124.37	27.888		
17,700.00	7,630.00	7,778.97	7,621.33	147.90	33.84	90.13	-4,901.89	1,067.47	3,529.12	3,405.54	123.58	28.558		
17,800.00	7,630.00	7,777.09	7,619.46	149.50	33.83	90.09	-4,901.93	1,067.43	3,591.54	3,468.74	122.79	29.248		
17,900.00	7,630.00	7,775.24	7,617.61	151.10	33.83	90.05	-4,901.96	1,067.40	3,655.62	3,533.60	122.03	29.958		
18,000.00	7,630.00	7,773.42	7,615.78	152.71	33.82	90.02	-4,902.00	1,067.37	3,721.29	3,600.02	121.27	30.685		
18,100.00	7,630.00	7,771.62	7,613.98	154.32	33.82	89.98	-4,902.03	1,067.34	3,788.46	3,667.92	120.54	31.429		
18,200.00	7,630.00	7,769.84	7,612.21	155.94	33.81	89.94	-4,902.06	1,067.31	3,857.05	3,737.23	119.82	32.189		
18,300.00	7,630.00	7,768.09	7,610.46	157.56	33.81	89.91	-4,902.09	1,067.29	3,926.99	3,807.87	119.13	32.965		
18,400.00	7,630.00	7,766.37	7,608.73	159.18	33.80	89.87	-4,902.12	1,067.26	3,998.21	3,879.76	118.45	33.754		
18,500.00	7,630.00	7,764.67	7,607.03	160.80	33.80	89.84	-4,902.15	1,067.23	4,070.64	3,952.85	117.79	34.557		
18,600.00	7,630.00	7,762.99	7,605.35	162.43	33.79	89.80	-4,902.18	1,067.20	4,144.21	4,027.06	117.16	35.373		
18,700.00	7,630.00	7,761.33	7,603.70	164.06	33.79	89.77	-4,902.21	1,067.18	4,218.87	4,102.33	116.54	36.201		
18,800.00	7,630.00	7,759.69	7,602.06	165.70	33.78	89.73	-4,902.24	1,067.15	4,294.56	4,178.62	115.95	37.040		
18,900.00	7,630.00	7,758.08	7,600.45	167.33	33.78	89.70	-4,902.27	1,067.13	4,371.23	4,255.86	115.37	37.889		
19,000.00	7,630.00	7,756.49	7,598.86	168.97	33.77	89.67	-4,902.29	1,067.10	4,448.83	4,334.01	114.81	38.748		
19,021.79	7,630.00	7,756.15	7,598.51	169.33	33.77	89.66	-4,902.30	1,067.10	4,465.85	4,351.15	114.70	38.937		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - ABND VERT HELEN E UNIT 2 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 100-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	135.11	-2,139.01	2,131.00	3,019.76					
100.00	100.00	52.20	52.20	0.13	0.08	135.11	-2,138.95	2,131.05	3,019.35	3,019.13	0.22	N/A		
200.00	200.00	158.41	158.41	0.49	0.37	135.10	-2,138.54	2,131.29	3,019.24	3,018.38	0.86	3,508.137		
300.00	300.00	258.02	258.02	0.85	0.72	135.09	-2,138.22	2,131.19	3,018.94	3,017.37	1.57	1,924.836		
400.00	400.00	353.47	353.47	1.21	1.05	135.10	-2,138.32	2,130.89	3,018.79	3,016.54	2.26	1,337.468		
500.00	500.00	453.99	453.99	1.57	1.40	135.11	-2,138.52	2,130.60	3,018.73	3,015.77	2.97	1,017.855		
600.00	600.00	555.76	555.76	1.93	1.76	135.12	-2,138.91	2,130.00	3,018.59	3,014.91	3.68	819.554		
700.00	700.00	657.81	657.80	2.29	2.12	135.13	-2,139.35	2,129.31	3,018.41	3,014.01	4.40	685.373		
800.00	799.98	767.96	767.95	2.64	2.51	73.42	-2,139.85	2,128.26	3,017.56	3,012.41	5.15	585.815		
900.00	899.84	870.58	870.56	2.99	2.88	73.58	-2,140.30	2,126.83	3,015.41	3,009.54	5.87	513.613		
1,000.00	999.45	958.63	958.59	3.35	3.19	73.80	-2,140.84	2,125.63	3,012.44	3,005.90	6.55	460.263		
1,100.00	1,098.70	1,048.81	1,048.76	3.73	3.52	74.10	-2,141.77	2,124.61	3,008.99	3,001.75	7.24	415.784		
1,200.00	1,197.47	1,153.82	1,153.76	4.11	3.89	74.52	-2,142.98	2,123.37	3,004.71	2,996.71	8.00	375.692		
1,300.00	1,295.62	1,258.17	1,258.09	4.53	4.27	75.02	-2,143.96	2,121.82	2,999.26	2,990.48	8.78	341.661		
1,400.00	1,393.06	1,354.62	1,354.52	4.97	4.61	75.58	-2,145.00	2,120.20	2,993.03	2,983.48	9.56	313.127		
1,500.00	1,489.64	1,452.02	1,451.90	5.44	4.96	76.22	-2,146.10	2,118.52	2,986.16	2,975.79	10.38	287.808		
1,600.00	1,585.27	1,547.54	1,547.40	5.95	5.31	76.93	-2,147.15	2,116.80	2,978.67	2,967.44	11.23	265.351		
1,700.00	1,679.82	1,639.47	1,639.31	6.51	5.64	77.68	-2,148.25	2,115.11	2,970.78	2,958.67	12.11	245.360		
1,800.00	1,773.17	1,731.89	1,731.71	7.13	5.97	78.50	-2,149.34	2,113.50	2,962.61	2,949.57	13.04	227.146		
1,900.00	1,865.21	1,828.02	1,827.82	7.79	6.32	79.42	-2,150.38	2,111.83	2,954.19	2,940.14	14.05	210.310		
2,000.00	1,955.84	1,927.27	1,927.05	8.51	6.67	80.43	-2,151.17	2,110.00	2,945.46	2,930.33	15.12	194.776		
2,100.00	2,044.94	2,021.11	2,020.87	9.30	7.01	81.46	-2,151.65	2,108.24	2,936.60	2,920.36	16.24	180.799		
2,200.00	2,132.39	2,110.29	2,110.03	10.15	7.33	82.50	-2,151.95	2,106.57	2,927.90	2,910.48	17.41	168.142		
2,300.00	2,218.11	2,200.08	2,199.81	11.07	7.65	83.59	-2,152.03	2,104.99	2,919.51	2,900.85	18.66	156.493		
2,400.00	2,301.97	2,291.71	2,291.43	12.06	7.98	84.75	-2,151.77	2,103.48	2,911.52	2,891.54	19.98	145.757		
2,500.00	2,383.88	2,366.49	2,366.20	13.11	8.25	85.75	-2,151.45	2,102.33	2,904.26	2,882.95	21.31	136.293		
2,512.74	2,394.17	2,375.69	2,375.40	13.25	8.28	85.87	-2,151.43	2,102.19	2,903.41	2,881.93	21.48	135.153		
2,600.00	2,464.54	2,441.04	2,440.74	14.22	8.51	86.65	-2,151.29	2,101.28	2,898.22	2,875.53	22.70	127.699		
2,700.00	2,545.18	2,526.34	2,526.04	15.35	8.82	87.66	-2,151.23	2,100.04	2,893.50	2,869.36	24.14	119.857		
2,800.00	2,625.82	2,629.79	2,629.46	16.50	9.18	88.90	-2,150.57	2,098.06	2,889.43	2,863.77	25.66	112.591		
2,900.00	2,706.45	2,719.48	2,719.13	17.65	9.50	89.97	-2,149.72	2,096.12	2,886.33	2,859.18	27.15	106.329		
3,000.00	2,787.09	2,828.71	2,828.31	18.82	9.89	91.27	-2,147.67	2,093.58	2,883.72	2,855.02	28.70	100.490		
3,100.00	2,867.73	2,908.87	2,908.42	19.99	10.17	92.23	-2,145.97	2,091.42	2,882.09	2,851.94	30.15	95.580		
3,158.43	2,914.85	2,945.99	2,945.52	20.68	10.30	92.68	-2,145.26	2,090.44	2,881.81	2,850.84	30.97	93.039		
3,200.00	2,948.37	2,973.54	2,973.06	21.17	10.40	93.01	-2,144.77	2,089.77	2,881.96	2,850.40	31.56	91.316		
3,300.00	3,029.01	3,046.48	3,045.97	22.36	10.66	93.88	-2,143.57	2,088.24	2,883.39	2,850.40	32.99	87.399		
3,400.00	3,109.65	3,121.57	3,121.04	23.55	10.92	94.77	-2,142.28	2,087.04	2,886.18	2,851.76	34.42	83.843		
3,500.00	3,190.29	3,190.88	3,190.34	24.74	11.17	95.59	-2,141.26	2,086.06	2,890.45	2,854.62	35.83	80.672		
3,600.00	3,270.93	3,259.25	3,258.70	25.94	11.41	96.39	-2,140.50	2,085.21	2,896.25	2,859.02	37.22	77.806		
3,700.00	3,351.57	3,328.44	3,327.88	27.14	11.65	97.21	-2,139.96	2,084.57	2,903.58	2,864.97	38.61	75.202		
3,800.00	3,432.21	3,399.00	3,398.44	28.35	11.90	98.03	-2,139.59	2,084.15	2,912.40	2,872.41	39.99	72.829		
3,900.00	3,512.85	3,477.72	3,477.15	29.56	12.18	98.94	-2,139.30	2,083.79	2,922.56	2,881.17	41.39	70.616		
4,000.00	3,593.49	3,557.37	3,556.81	30.76	12.46	99.86	-2,139.05	2,083.43	2,933.92	2,891.15	42.77	68.592		
4,100.00	3,674.13	3,637.73	3,637.16	31.97	12.75	100.78	-2,138.81	2,083.07	2,946.45	2,902.30	44.15	66.739		
4,200.00	3,754.77	3,718.41	3,717.84	33.19	13.03	101.70	-2,138.55	2,082.75	2,960.11	2,914.60	45.51	65.045		
4,300.00	3,835.41	3,798.71	3,798.14	34.40	13.32	102.61	-2,138.29	2,082.46	2,974.89	2,928.03	46.85	63.497		
4,400.00	3,916.05	3,875.89	3,875.32	35.62	13.59	103.48	-2,138.07	2,082.22	2,990.81	2,942.65	48.16	62.097		
4,500.00	3,996.69	3,956.30	3,955.73	36.83	13.88	104.38	-2,137.92	2,081.95	3,007.89	2,958.41	49.47	60.800		
4,600.00	4,077.33	4,039.86	4,039.29	38.05	14.18	105.31	-2,137.76	2,081.37	3,025.99	2,975.21	50.77	59.596		
4,700.00	4,157.96	4,126.16	4,125.58	39.27	14.49	106.27	-2,137.50	2,080.56	3,045.02	2,992.95	52.07	58.480		
4,800.00	4,238.60	4,213.91	4,213.33	40.49	14.80	107.24	-2,137.09	2,079.34	3,064.92	3,011.57	53.35	57.449		
4,900.00	4,319.24	4,303.71	4,303.11	41.71	15.12	108.22	-2,136.43	2,077.93	3,085.63	3,031.01	54.62	56.494		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - ABND VERT HELEN E UNIT 2 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 100-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	4,399.88	4,384.65	4,384.04	42.93	15.41	109.10	-2,135.70	2,076.62	3,107.22	3,051.39	55.83	55.654		
5,100.00	4,480.52	4,460.83	4,460.20	44.15	15.68	109.92	-2,135.05	2,075.27	3,129.83	3,072.83	57.01	54.905		
5,200.00	4,561.16	4,548.25	4,547.60	45.37	16.00	110.86	-2,134.36	2,073.44	3,153.48	3,095.28	58.20	54.181		
5,300.00	4,641.80	4,638.60	4,637.91	46.59	16.32	111.82	-2,133.25	2,071.16	3,177.72	3,118.33	59.39	53.506		
5,400.00	4,722.44	4,717.05	4,716.34	47.82	16.60	112.65	-2,132.23	2,069.11	3,202.86	3,142.35	60.51	52.931		
5,500.00	4,803.08	4,793.72	4,792.97	49.04	16.88	113.45	-2,131.29	2,067.13	3,229.00	3,167.40	61.60	52.417		
5,600.00	4,883.72	4,875.78	4,875.00	50.27	17.17	114.29	-2,130.29	2,065.08	3,256.06	3,193.37	62.70	51.934		
5,700.00	4,964.36	4,953.63	4,952.82	51.49	17.45	115.09	-2,129.31	2,063.21	3,283.99	3,220.23	63.75	51.510		
5,800.00	5,045.00	5,031.53	5,030.70	52.71	17.73	115.87	-2,128.41	2,061.37	3,312.85	3,248.06	64.79	51.130		
5,900.00	5,125.64	5,112.48	5,111.62	53.94	18.02	116.67	-2,127.47	2,059.52	3,342.55	3,276.72	65.83	50.779		
6,000.00	5,206.28	5,192.01	5,191.12	55.17	18.31	117.45	-2,126.53	2,057.73	3,373.05	3,306.22	66.83	50.469		
6,100.00	5,286.92	5,302.71	5,301.79	56.39	18.70	118.51	-2,124.80	2,055.63	3,404.03	3,336.07	67.96	50.091		
6,200.00	5,367.56	5,387.03	5,386.09	57.62	19.00	119.30	-2,123.07	2,054.48	3,435.32	3,366.37	68.95	49.822		
6,300.00	5,448.20	5,471.54	5,470.57	58.84	19.30	120.08	-2,121.27	2,053.63	3,467.25	3,397.32	69.93	49.581		
6,400.00	5,528.84	5,551.94	5,550.95	60.07	19.58	120.80	-2,119.53	2,053.14	3,499.83	3,428.95	70.88	49.379		
6,500.00	5,609.47	5,630.05	5,629.04	61.30	19.85	121.49	-2,117.93	2,052.93	3,533.13	3,461.33	71.80	49.208		
6,600.00	5,690.11	5,707.52	5,706.50	62.53	20.12	122.17	-2,116.43	2,052.79	3,567.16	3,494.46	72.70	49.065		
6,700.00	5,770.75	5,783.89	5,782.85	63.75	20.39	122.82	-2,115.05	2,052.67	3,601.91	3,528.32	73.59	48.947		
6,800.00	5,851.39	5,863.72	5,862.67	64.98	20.67	123.50	-2,113.67	2,052.55	3,637.35	3,562.88	74.47	48.840		
6,900.00	5,932.03	5,943.69	5,942.63	66.21	20.94	124.16	-2,112.31	2,052.45	3,673.39	3,598.05	75.35	48.753		
7,000.00	6,012.67	6,021.75	6,020.68	67.44	21.22	124.80	-2,111.02	2,052.33	3,710.05	3,633.85	76.20	48.689		
7,100.00	6,093.31	6,096.76	6,095.68	68.66	21.48	125.41	-2,109.88	2,052.23	3,747.38	3,670.35	77.02	48.651		
7,200.00	6,173.95	6,184.41	6,183.32	69.89	21.78	126.10	-2,108.55	2,052.10	3,785.24	3,707.34	77.90	48.592		
7,300.00	6,254.59	6,274.38	6,273.28	71.12	22.10	126.81	-2,106.97	2,051.92	3,823.46	3,744.69	78.77	48.540		
7,400.00	6,335.23	6,346.30	6,345.19	72.35	22.35	127.37	-2,105.65	2,051.77	3,862.13	3,782.59	79.55	48.553		
7,500.00	6,415.87	6,413.20	6,412.08	73.58	22.58	127.87	-2,104.72	2,051.69	3,901.62	3,821.34	80.29	48.596		
7,600.00	6,496.51	6,491.82	6,490.69	74.81	22.86	128.46	-2,103.77	2,051.59	3,941.74	3,860.66	81.07	48.619		
7,700.00	6,577.15	6,571.14	6,570.00	76.04	23.14	129.05	-2,102.85	2,051.46	3,982.36	3,900.50	81.86	48.651		
7,800.00	6,657.79	6,647.74	6,646.60	77.27	23.41	129.60	-2,102.00	2,051.33	4,023.47	3,940.86	82.61	48.702		
7,900.00	6,738.43	6,723.98	6,722.84	78.50	23.67	130.15	-2,101.27	2,051.22	4,065.13	3,981.77	83.36	48.764		
8,000.00	6,819.07	6,804.61	6,803.47	79.73	23.95	130.71	-2,100.67	2,051.15	4,107.26	4,023.14	84.12	48.824		
8,100.00	6,899.71	6,913.11	6,911.96	80.96	24.32	131.44	-2,099.61	2,052.20	4,149.52	4,064.50	85.02	48.806		
8,200.00	6,980.35	6,993.62	6,992.46	82.18	24.60	131.98	-2,098.63	2,052.88	4,191.93	4,106.16	85.77	48.875		
8,240.58	7,013.07	7,028.78	7,027.62	82.68	24.72	132.21	-2,098.19	2,053.20	4,209.23	4,123.15	86.08	48.898		
8,250.00	7,020.68	7,037.03	7,035.86	82.80	24.75	130.93	-2,098.09	2,053.27	4,213.18	4,127.03	86.15	48.902		
8,300.00	7,061.63	7,081.38	7,080.21	83.40	24.90	123.84	-2,097.50	2,053.69	4,231.96	4,145.41	86.55	48.895		
8,350.00	7,103.23	7,125.43	7,124.25	83.97	25.05	116.32	-2,096.90	2,054.13	4,246.92	4,159.97	86.95	48.841		
8,400.00	7,145.18	7,169.10	7,167.91	84.51	25.20	108.59	-2,096.29	2,054.57	4,257.99	4,170.64	87.36	48.743		
8,450.00	7,187.16	7,214.24	7,213.05	85.01	25.35	100.98	-2,095.64	2,055.03	4,265.12	4,177.35	87.77	48.596		
8,500.00	7,228.84	7,262.68	7,261.48	85.46	25.52	93.83	-2,094.89	2,055.55	4,268.23	4,180.04	88.19	48.400		
8,550.00	7,269.91	7,312.65	7,311.44	85.86	25.69	87.39	-2,094.05	2,056.15	4,267.32	4,178.71	88.61	48.160		
8,600.00	7,310.05	7,369.47	7,368.24	86.20	25.89	81.87	-2,092.94	2,056.93	4,262.35	4,173.31	89.05	47.865		
8,650.00	7,348.97	7,413.77	7,412.52	86.50	26.04	77.19	-2,091.96	2,057.61	4,253.39	4,163.98	89.41	47.571		
8,700.00	7,386.36	7,443.47	7,442.21	86.74	26.14	73.31	-2,091.32	2,058.06	4,240.68	4,151.00	89.68	47.285		
8,750.00	7,421.94	7,471.67	7,470.41	86.93	26.24	70.28	-2,090.76	2,058.45	4,224.36	4,134.43	89.93	46.975		
8,800.00	7,455.44	7,500.00	7,498.73	87.07	26.33	68.09	-2,090.23	2,058.82	4,204.55	4,114.40	90.15	46.637		
8,850.00	7,486.61	7,526.61	7,525.33	87.16	26.43	66.66	-2,089.75	2,059.14	4,181.39	4,091.03	90.35	46.278		
8,900.00	7,515.20	7,552.83	7,551.55	87.20	26.52	65.97	-2,089.28	2,059.41	4,155.02	4,064.49	90.53	45.896		
8,950.00	7,541.00	7,576.34	7,575.05	87.21	26.60	65.01	-2,088.86	2,059.64	4,125.65	4,034.97	90.68	45.497		
9,000.00	7,563.81	7,596.98	7,595.69	87.17	26.67	66.78	-2,088.48	2,059.81	4,093.49	4,002.69	90.80	45.085		
9,050.00	7,583.47	7,614.67	7,613.38	87.10	26.73	68.33	-2,088.17	2,059.95	4,058.76	3,967.87	90.88	44.659		
9,100.00	7,599.81	7,629.27	7,627.97	87.00	26.78	70.73	-2,087.91	2,060.06	4,021.71	3,930.76	90.94	44.222		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 100-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,150.00	7,612.72	7,640.63	7,639.33	86.88	26.82	74.11	-2,087.71	2,060.15	3,982.60	3,891.62	90.98	43.774		
9,200.00	7,622.09	7,648.67	7,647.37	86.72	26.85	78.61	-2,087.57	2,060.21	3,941.69	3,850.70	90.99	43.319		
9,250.00	7,627.87	7,653.31	7,652.01	86.55	26.87	84.41	-2,087.49	2,060.25	3,899.28	3,808.30	90.98	42.856		
9,303.98	7,630.00	7,654.46	7,653.16	86.35	26.87	92.30	-2,087.47	2,060.26	3,852.14	3,761.18	90.96	42.351		
9,400.00	7,630.00	7,652.91	7,651.61	85.99	26.86	92.25	-2,087.50	2,060.24	3,767.51	3,676.61	90.89	41.451		
9,500.00	7,630.00	7,651.30	7,650.00	85.62	26.86	92.20	-2,087.53	2,060.23	3,679.96	3,589.14	90.82	40.520		
9,600.00	7,630.00	7,649.68	7,648.38	85.28	26.85	92.15	-2,087.55	2,060.22	3,593.06	3,502.32	90.74	39.596		
9,700.00	7,630.00	7,648.06	7,646.76	84.95	26.85	92.09	-2,087.58	2,060.21	3,506.86	3,416.19	90.66	38.679		
9,800.00	7,630.00	7,646.42	7,645.12	84.64	26.84	92.04	-2,087.61	2,060.19	3,421.41	3,330.83	90.58	37.771		
9,900.00	7,630.00	7,644.79	7,643.49	84.34	26.84	91.99	-2,087.64	2,060.18	3,336.77	3,246.27	90.50	36.870		
10,000.00	7,630.00	7,643.14	7,641.84	84.06	26.83	91.94	-2,087.67	2,060.17	3,253.00	3,162.58	90.41	35.979		
10,100.00	7,630.00	7,641.49	7,640.19	83.80	26.82	91.89	-2,087.69	2,060.15	3,170.16	3,079.84	90.32	35.098		
10,200.00	7,630.00	7,639.84	7,638.54	83.56	26.82	91.83	-2,087.72	2,060.14	3,088.35	2,998.12	90.23	34.228		
10,300.00	7,630.00	7,638.17	7,636.87	83.33	26.81	91.78	-2,087.75	2,060.13	3,007.63	2,917.50	90.13	33.369		
10,400.00	7,630.00	7,636.50	7,635.21	83.12	26.81	91.73	-2,087.78	2,060.12	2,928.10	2,838.07	90.03	32.522		
10,500.00	7,630.00	7,634.83	7,633.53	82.92	26.80	91.67	-2,087.81	2,060.10	2,849.86	2,759.93	89.93	31.689		
10,600.00	7,630.00	7,633.15	7,631.85	82.75	26.80	91.62	-2,087.84	2,060.09	2,773.02	2,683.20	89.83	30.871		
10,700.00	7,630.00	7,631.46	7,630.16	82.59	26.79	91.57	-2,087.87	2,060.08	2,697.70	2,607.98	89.72	30.069		
10,800.00	7,630.00	7,629.76	7,628.47	82.45	26.78	91.51	-2,087.90	2,060.06	2,624.02	2,534.42	89.61	29.284		
10,900.00	7,630.00	7,628.06	7,626.76	82.33	26.78	91.46	-2,087.93	2,060.05	2,552.14	2,462.65	89.49	28.517		
11,000.00	7,630.00	7,626.35	7,625.06	82.22	26.77	91.40	-2,087.96	2,060.04	2,482.20	2,392.82	89.38	27.771		
11,100.00	7,630.00	7,624.64	7,623.34	82.14	26.77	91.35	-2,087.99	2,060.02	2,414.38	2,325.11	89.27	27.046		
11,200.00	7,630.00	7,622.92	7,621.62	82.08	26.76	91.29	-2,088.02	2,060.01	2,348.86	2,259.70	89.16	26.345		
11,300.00	7,630.00	7,621.19	7,619.89	82.04	26.75	91.24	-2,088.05	2,060.00	2,285.83	2,196.78	89.05	25.670		
11,400.00	7,630.00	7,619.45	7,618.16	82.02	26.75	91.18	-2,088.08	2,059.98	2,225.51	2,136.57	88.94	25.022		
11,500.00	7,630.00	7,617.71	7,616.42	82.03	26.74	91.13	-2,088.11	2,059.97	2,168.13	2,079.28	88.84	24.404		
11,600.00	7,630.00	7,615.96	7,614.67	82.06	26.74	91.07	-2,088.14	2,059.96	2,113.92	2,025.16	88.75	23.818		
11,700.00	7,630.00	7,614.21	7,612.91	82.12	26.73	91.02	-2,088.17	2,059.94	2,063.13	1,974.46	88.67	23.266		
11,800.00	7,630.00	7,612.45	7,611.15	82.21	26.72	90.96	-2,088.21	2,059.93	2,016.03	1,927.42	88.61	22.752		
11,900.00	7,630.00	7,610.68	7,609.38	82.33	26.72	90.90	-2,088.24	2,059.91	1,972.87	1,884.31	88.56	22.276		
12,000.00	7,630.00	7,608.90	7,607.61	82.48	26.71	90.85	-2,088.27	2,059.90	1,933.93	1,845.39	88.54	21.843		
12,100.00	7,630.00	7,607.12	7,605.82	82.66	26.71	90.79	-2,088.30	2,059.89	1,899.45	1,810.91	88.54	21.454		
12,200.00	7,630.00	7,605.33	7,604.03	82.88	26.70	90.73	-2,088.33	2,059.87	1,869.69	1,781.13	88.56	21.112		
12,300.00	7,630.00	7,603.53	7,602.24	83.14	26.69	90.68	-2,088.37	2,059.86	1,844.88	1,756.26	88.62	20.819		
12,400.00	7,630.00	7,601.73	7,600.43	83.44	26.69	90.62	-2,088.40	2,059.85	1,825.21	1,736.51	88.70	20.577		
12,500.00	7,630.00	7,599.92	7,598.63	83.79	26.68	90.56	-2,088.43	2,059.83	1,810.86	1,722.04	88.82	20.389		
12,600.00	7,630.00	7,598.25	7,596.96	84.18	26.67	90.51	-2,088.46	2,059.82	1,801.95	1,712.98	88.96	20.255		
12,700.00	7,630.00	7,596.57	7,595.28	84.61	26.67	90.46	-2,088.49	2,059.81	1,798.56	1,709.42	89.14	20.177		
12,711.01	7,630.00	7,596.39	7,595.10	84.66	26.67	90.45	-2,088.50	2,059.80	1,798.52	1,709.36	89.16	20.172 CC, ES		
12,800.00	7,630.00	7,594.90	7,593.61	85.10	26.66	90.40	-2,088.52	2,059.79	1,800.72	1,711.39	89.34	20.156 SF		
12,900.00	7,630.00	7,593.23	7,591.94	85.64	26.66	90.35	-2,088.55	2,059.78	1,808.42	1,718.86	89.56	20.193		
13,000.00	7,630.00	7,591.56	7,590.27	86.22	26.65	90.30	-2,088.58	2,059.77	1,821.59	1,731.79	89.80	20.286		
13,100.00	7,630.00	7,589.89	7,588.60	86.86	26.65	90.24	-2,088.61	2,059.75	1,840.10	1,750.05	90.05	20.435		
13,200.00	7,630.00	7,588.22	7,586.93	87.56	26.64	90.19	-2,088.64	2,059.74	1,863.79	1,773.49	90.30	20.640		
13,300.00	7,630.00	7,586.55	7,585.26	88.30	26.63	90.14	-2,088.67	2,059.72	1,892.48	1,801.92	90.56	20.898		
13,400.00	7,630.00	7,584.88	7,583.60	89.10	26.63	90.08	-2,088.70	2,059.71	1,925.94	1,835.13	90.81	21.208		
13,500.00	7,630.00	7,583.22	7,581.93	89.94	26.62	90.03	-2,088.73	2,059.70	1,963.92	1,872.86	91.06	21.567		
13,600.00	7,630.00	7,581.55	7,580.26	90.84	26.62	89.98	-2,088.76	2,059.68	2,006.18	1,914.88	91.30	21.973		
13,700.00	7,630.00	7,579.89	7,578.60	91.78	26.61	89.92	-2,088.79	2,059.67	2,052.43	1,960.91	91.53	22.424		
13,800.00	7,630.00	7,578.22	7,576.94	92.77	26.61	89.87	-2,088.82	2,059.65	2,102.43	2,010.69	91.74	22.916		
13,900.00	7,630.00	7,576.56	7,575.27	93.79	26.60	89.82	-2,088.85	2,059.64	2,155.91	2,063.96	91.95	23.447		
14,000.00	7,630.00	7,574.90	7,573.61	94.86	26.59	89.76	-2,088.88	2,059.62	2,212.62	2,120.48	92.14	24.015		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - ABND VERT HELEN E UNIT 2 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 100-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)						
14,100.00	7,630.00	7,573.23	7,571.95	95.97	26.59	89.71	-2,088.91	2,059.61	2,272.31	2,180.00	92.31	24.616		
14,200.00	7,630.00	7,571.57	7,570.29	97.11	26.58	89.66	-2,088.94	2,059.59	2,334.76	2,242.29	92.47	25.248		
14,300.00	7,630.00	7,569.91	7,568.63	98.28	26.58	89.61	-2,088.97	2,059.58	2,399.75	2,307.13	92.62	25.910		
14,400.00	7,630.00	7,568.25	7,566.97	99.48	26.57	89.55	-2,089.00	2,059.56	2,467.08	2,374.33	92.76	26.598		
14,500.00	7,630.00	7,566.59	7,565.31	100.72	26.56	89.50	-2,089.03	2,059.55	2,536.57	2,443.69	92.88	27.310		
14,600.00	7,630.00	7,564.93	7,563.65	101.97	26.56	89.45	-2,089.06	2,059.53	2,608.04	2,515.05	92.99	28.046		
14,700.00	7,630.00	7,563.28	7,561.99	103.26	26.55	89.39	-2,089.09	2,059.52	2,681.34	2,588.24	93.10	28.801		
14,800.00	7,630.00	7,561.62	7,560.34	104.56	26.55	89.34	-2,089.12	2,059.50	2,756.31	2,663.12	93.19	29.577		
14,900.00	7,630.00	7,559.96	7,558.68	105.89	26.54	89.29	-2,089.15	2,059.48	2,832.83	2,739.55	93.28	30.369		
15,000.00	7,630.00	7,558.31	7,557.03	107.24	26.54	89.24	-2,089.18	2,059.47	2,910.77	2,817.41	93.36	31.178		
15,100.00	7,630.00	7,556.65	7,555.37	108.60	26.53	89.18	-2,089.21	2,059.45	2,990.02	2,896.59	93.43	32.002		
15,200.00	7,630.00	7,555.00	7,553.72	109.98	26.52	89.13	-2,089.24	2,059.44	3,070.48	2,976.99	93.50	32.840		
15,300.00	7,630.00	7,553.35	7,552.07	111.38	26.52	89.08	-2,089.27	2,059.42	3,152.07	3,058.51	93.56	33.690		
15,400.00	7,630.00	7,551.70	7,550.41	112.79	26.51	89.03	-2,089.30	2,059.40	3,234.68	3,141.06	93.62	34.552		
15,500.00	7,630.00	7,550.04	7,548.76	114.22	26.51	88.97	-2,089.33	2,059.39	3,318.25	3,224.58	93.67	35.425		
15,600.00	7,630.00	7,548.39	7,547.11	115.66	26.50	88.92	-2,089.36	2,059.37	3,402.71	3,308.99	93.72	36.307		
15,700.00	7,630.00	7,546.74	7,545.46	117.11	26.50	88.87	-2,089.39	2,059.35	3,487.98	3,394.22	93.77	37.199		
15,800.00	7,630.00	7,545.09	7,543.81	118.57	26.49	88.82	-2,089.42	2,059.34	3,574.02	3,480.22	93.81	38.099		
15,900.00	7,630.00	7,543.45	7,542.17	120.05	26.48	88.76	-2,089.45	2,059.32	3,660.77	3,566.93	93.85	39.007		
16,000.00	7,630.00	7,541.80	7,540.52	121.53	26.48	88.71	-2,089.48	2,059.30	3,748.18	3,654.30	93.89	39.923		
16,100.00	7,630.00	7,540.15	7,538.87	123.03	26.47	88.66	-2,089.51	2,059.28	3,836.20	3,742.28	93.92	40.845		
16,200.00	7,630.00	7,538.50	7,537.23	124.53	26.47	88.61	-2,089.54	2,059.27	3,924.80	3,830.84	93.96	41.773		
16,300.00	7,630.00	7,536.86	7,535.58	126.04	26.46	88.55	-2,089.57	2,059.25	4,013.93	3,919.94	93.99	42.707		
16,400.00	7,630.00	7,535.21	7,533.94	127.56	26.46	88.50	-2,089.60	2,059.23	4,103.56	4,009.54	94.02	43.646		
16,500.00	7,630.00	7,533.57	7,532.29	129.09	26.45	88.45	-2,089.63	2,059.21	4,193.66	4,099.61	94.05	44.590		
16,600.00	7,630.00	7,531.93	7,530.65	130.62	26.45	88.40	-2,089.66	2,059.20	4,284.20	4,190.12	94.08	45.539		
16,700.00	7,630.00	7,530.29	7,529.01	132.16	26.44	88.34	-2,089.69	2,059.18	4,375.15	4,281.04	94.11	46.491		
16,800.00	7,630.00	7,528.64	7,527.37	133.71	26.43	88.29	-2,089.72	2,059.16	4,466.48	4,372.35	94.13	47.448		
16,900.00	7,630.00	7,527.00	7,525.73	135.27	26.43	88.24	-2,089.75	2,059.14	4,558.18	4,464.02	94.16	48.409		
17,000.00	7,630.00	7,525.36	7,524.09	136.83	26.42	88.19	-2,089.78	2,059.12	4,650.22	4,556.04	94.19	49.373		
17,100.00	7,630.00	7,523.72	7,522.45	138.39	26.42	88.14	-2,089.81	2,059.10	4,742.58	4,648.37	94.21	50.340		
17,200.00	7,630.00	7,522.08	7,520.81	139.97	26.41	88.08	-2,089.84	2,059.09	4,835.25	4,741.01	94.24	51.309		
17,300.00	7,630.00	7,520.45	7,519.17	141.54	26.41	88.03	-2,089.86	2,059.07	4,928.20	4,833.94	94.26	52.282		
17,400.00	7,630.00	7,518.81	7,517.53	143.12	26.40	87.98	-2,089.89	2,059.05	5,021.42	4,927.14	94.29	53.257		
17,500.00	7,630.00	7,517.17	7,515.90	144.71	26.39	87.93	-2,089.92	2,059.03	5,114.90	5,020.59	94.31	54.234		
17,600.00	7,630.00	7,515.54	7,514.26	146.30	26.39	87.88	-2,089.95	2,059.01	5,208.62	5,114.28	94.34	55.214		
17,700.00	7,630.00	7,513.90	7,512.62	147.89	26.38	87.83	-2,089.98	2,058.99	5,302.56	5,208.19	94.37	56.188		
17,800.00	7,630.00	7,512.26	7,510.98	149.48	26.37	87.78	-2,089.99	2,058.97	5,396.73	5,302.33	94.39	57.172		
17,900.00	7,630.00	7,510.63	7,509.35	151.07	26.36	87.73	-2,089.97	2,058.95	5,491.10	5,396.68	94.42	58.158		
18,000.00	7,630.00	7,509.00	7,507.72	152.66	26.35	87.68	-2,090.00	2,058.93	5,585.66	5,491.22	94.44	59.145		
18,100.00	7,630.00	7,507.37	7,506.09	154.25	26.34	87.63	-2,090.01	2,058.91	5,680.42	5,585.95	94.46	60.133		
18,200.00	7,630.00	7,505.74	7,504.46	155.84	26.33	87.58	-2,090.02	2,058.89	5,775.35	5,680.86	94.49	61.123		
18,300.00	7,630.00	7,504.11	7,502.83	157.43	26.32	87.53	-2,090.03	2,058.87	5,870.44	5,775.93	94.51	62.114		
18,400.00	7,630.00	7,502.48	7,501.20	159.02	26.31	87.48	-2,090.04	2,058.85	5,965.70	5,871.17	94.53	63.107		
18,500.00	7,630.00	7,500.85	7,499.57	160.61	26.30	87.43	-2,090.05	2,058.83	6,061.11	5,966.55	94.56	64.100		
18,600.00	7,630.00	7,499.22	7,497.94	162.20	26.29	87.38	-2,090.06	2,058.81	6,156.66	6,062.08	94.58	65.094		
18,700.00	7,630.00	7,497.59	7,496.31	163.79	26.28	87.33	-2,090.07	2,058.79	6,252.35	6,157.75	94.61	66.089		
18,800.00	7,630.00	7,495.96	7,494.68	165.38	26.27	87.28	-2,090.08	2,058.77	6,348.18	6,253.55	94.63	67.085		
18,900.00	7,630.00	7,494.33	7,493.05	166.97	26.26	87.23	-2,090.09	2,058.75	6,444.13	6,349.47	94.65	68.081		
19,000.00	7,630.00	7,492.70	7,491.42	168.56	26.25	87.18	-2,090.10	2,058.73	6,540.20	6,445.52	94.68	69.078		
19,021.79	7,630.00	7,491.07	7,489.79	170.15	26.24	87.13	-2,090.11	2,058.71	6,636.31	6,541.61	94.70	70.074		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 95-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	69.97	765.09	2,098.56	2,234.05					
100.00	100.00	81.56	81.56	0.13	0.13	69.97	765.06	2,098.13	2,233.38	2,233.11	0.26	8,453.911		
200.00	200.00	232.03	231.98	0.49	0.65	69.92	765.72	2,094.80	2,231.56	2,230.42	1.14	1,958.414		
300.00	300.00	481.52	480.55	0.85	1.59	69.63	770.63	2,074.96	2,224.50	2,222.07	2.43	915.183		
400.00	400.00	629.40	626.77	1.21	2.21	69.25	778.37	2,054.39	2,213.16	2,209.80	3.35	659.922		
500.00	500.00	734.58	730.10	1.57	2.68	68.86	787.73	2,037.15	2,200.91	2,196.78	4.13	532.483		
600.00	600.00	818.74	812.41	1.93	3.07	68.48	797.58	2,022.68	2,188.97	2,184.12	4.85	451.283		
700.00	700.00	898.10	889.72	2.29	3.46	68.06	808.99	2,008.84	2,177.87	2,172.30	5.57	391.128		
800.00	799.98	974.13	963.49	2.64	3.84	5.86	821.75	1,995.60	2,166.11	2,159.82	6.29	344.390		
900.00	899.84	1,081.33	1,067.03	2.99	4.40	5.20	842.11	1,976.73	2,151.78	2,144.59	7.19	299.334		
1,000.00	999.45	1,175.35	1,157.82	3.35	4.90	4.63	859.50	1,959.54	2,133.45	2,125.41	8.03	265.622		
1,100.00	1,098.70	1,271.48	1,250.86	3.73	5.42	4.07	876.66	1,942.53	2,112.22	2,103.33	8.89	237.544		
1,200.00	1,197.47	1,371.77	1,347.35	4.11	5.98	3.40	896.48	1,923.72	2,087.65	2,077.85	9.80	213.021		
1,300.00	1,295.62	1,463.62	1,435.26	4.53	6.52	2.73	916.09	1,905.71	2,059.86	2,049.17	10.69	192.716		
1,400.00	1,393.06	1,552.39	1,520.05	4.97	7.05	2.03	935.64	1,888.13	2,029.16	2,017.58	11.57	175.309		
1,500.00	1,489.64	1,634.93	1,598.92	5.44	7.54	1.36	953.82	1,872.01	1,995.71	1,983.28	12.43	160.551		
1,600.00	1,585.27	1,724.96	1,685.17	5.95	8.07	0.61	973.21	1,854.92	1,959.59	1,946.26	13.33	147.003		
1,700.00	1,679.82	1,815.11	1,771.61	6.51	8.61	-0.18	992.26	1,837.84	1,920.43	1,906.19	14.23	134.925		
1,800.00	1,773.17	1,904.86	1,857.70	7.13	9.14	-1.02	1,011.10	1,820.84	1,878.35	1,863.21	15.14	124.071		
1,900.00	1,865.21	1,987.75	1,937.25	7.79	9.62	-1.86	1,028.31	1,805.14	1,833.39	1,817.38	16.01	114.528		
2,000.00	1,955.84	2,075.15	2,021.49	8.51	10.13	-2.77	1,045.45	1,789.39	1,785.89	1,768.99	16.90	105.681		
2,100.00	2,044.94	2,172.65	2,115.32	9.30	10.70	-3.91	1,064.52	1,771.02	1,735.05	1,717.20	17.85	97.208		
2,200.00	2,132.39	2,257.66	2,196.88	10.15	11.20	-5.06	1,081.58	1,754.18	1,681.17	1,662.42	18.75	89.658		
2,300.00	2,218.11	2,335.44	2,271.44	11.07	11.67	-6.27	1,097.37	1,738.60	1,624.76	1,605.13	19.63	82.773		
2,400.00	2,301.97	2,411.21	2,344.15	12.06	12.13	-7.58	1,112.48	1,723.60	1,565.98	1,545.47	20.51	76.370		
2,500.00	2,383.88	2,481.18	2,411.40	13.11	12.54	-8.96	1,126.23	1,710.01	1,505.02	1,483.66	21.36	70.453		
2,512.74	2,394.17	2,489.96	2,419.84	13.25	12.59	-9.15	1,127.95	1,708.33	1,497.11	1,475.63	21.48	69.711		
2,600.00	2,464.54	2,547.46	2,475.12	14.22	12.93	-10.19	1,139.33	1,697.35	1,443.15	1,420.93	22.22	64.947		
2,700.00	2,545.18	2,612.60	2,537.68	15.35	13.32	-11.46	1,152.68	1,685.03	1,382.29	1,359.18	23.10	59.835		
2,800.00	2,625.82	2,680.35	2,602.72	16.50	13.72	-12.89	1,166.85	1,672.43	1,322.48	1,298.45	24.04	55.021		
2,900.00	2,706.45	2,745.96	2,665.77	17.65	14.10	-14.35	1,180.63	1,660.60	1,263.85	1,238.86	25.00	50.558		
3,000.00	2,787.09	2,816.12	2,733.34	18.82	14.51	-16.00	1,195.26	1,648.65	1,206.60	1,180.58	26.03	46.361		
3,100.00	2,867.73	2,897.19	2,811.44	19.99	14.98	-18.05	1,211.99	1,634.73	1,150.18	1,123.02	27.16	42.343		
3,200.00	2,948.37	2,977.13	2,888.51	21.17	15.44	-20.25	1,228.03	1,620.87	1,094.52	1,066.16	28.36	38.589		
3,300.00	3,029.01	3,048.42	2,957.38	22.36	15.84	-22.34	1,241.93	1,608.80	1,040.08	1,010.49	29.59	35.148		
3,400.00	3,109.65	3,126.10	3,032.51	23.55	16.28	-24.80	1,256.92	1,595.95	987.22	956.27	30.95	31.902		
3,500.00	3,190.29	3,202.61	3,106.23	24.74	16.72	-27.49	1,272.09	1,582.23	935.77	903.34	32.42	28.860		
3,600.00	3,270.93	3,275.22	3,175.97	25.94	17.15	-30.31	1,287.02	1,568.59	886.53	852.51	34.03	26.055		
3,700.00	3,351.57	3,354.84	3,252.52	27.14	17.62	-33.64	1,303.05	1,553.66	839.65	803.84	35.81	23.447		
3,800.00	3,432.21	3,427.10	3,322.12	28.35	18.04	-36.88	1,317.17	1,540.37	795.55	757.88	37.67	21.118		
3,900.00	3,512.85	3,497.34	3,389.75	29.56	18.46	-40.25	1,331.09	1,527.46	755.15	715.50	39.65	19.044		
4,000.00	3,593.49	3,567.81	3,457.33	30.76	18.88	-43.90	1,345.74	1,513.89	719.34	677.58	41.76	17.225		
4,100.00	3,674.13	3,643.94	3,530.37	31.97	19.34	-48.07	1,361.46	1,499.26	688.35	644.35	44.00	15.643		
4,200.00	3,754.77	3,719.55	3,603.11	33.19	19.78	-52.37	1,376.67	1,485.31	662.65	616.41	46.24	14.329		
4,300.00	3,835.41	3,791.76	3,672.68	34.40	20.20	-56.62	1,391.06	1,472.38	642.95	594.57	48.38	13.289		
4,400.00	3,916.05	3,863.25	3,741.45	35.62	20.62	-60.97	1,405.59	1,459.31	630.19	579.81	50.38	12.510		
4,500.00	3,996.69	3,935.71	3,811.09	36.83	21.05	-65.44	1,420.51	1,445.94	624.73	572.55	52.18	11.972		
4,524.47	4,016.42	3,953.94	3,828.60	37.13	21.16	-66.58	1,424.27	1,442.58	624.51	571.92	52.60	11.873 CC, ES		
4,600.00	4,077.33	4,010.23	3,882.70	38.05	21.49	-70.07	1,435.85	1,432.20	626.57	572.79	53.78	11.651		
4,700.00	4,157.96	4,090.70	3,960.16	39.27	21.96	-75.00	1,452.04	1,417.63	635.23	580.00	55.22	11.503 SF		
4,800.00	4,238.60	4,163.91	4,030.78	40.49	22.39	-79.38	1,466.35	1,404.60	650.29	593.99	56.30	11.551		
4,900.00	4,319.24	4,234.90	4,099.13	41.71	22.80	-83.53	1,480.35	1,391.53	672.15	615.03	57.13	11.766		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ BURY CRANDELL 0-0-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 95-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	4,399.88	4,307.59	4,169.06	42.93	23.23	-87.62	1,494.66	1,377.80	700.13	642.29	57.83	12.107		
5,100.00	4,480.52	4,387.31	4,245.85	44.15	23.70	-91.89	1,509.88	1,362.71	733.05	674.49	58.56	12.518		
5,200.00	4,561.16	4,458.00	4,314.00	45.37	24.11	-95.44	1,523.39	1,349.65	770.38	711.33	59.05	13.047		
5,300.00	4,641.80	4,527.51	4,380.90	46.59	24.52	-98.67	1,537.43	1,337.11	811.95	752.47	59.48	13.651		
5,400.00	4,722.44	4,598.73	4,449.37	47.82	24.94	-101.80	1,551.54	1,323.49	857.30	797.38	59.92	14.307		
5,500.00	4,803.08	4,692.30	4,539.61	49.04	25.47	-105.64	1,568.97	1,305.91	904.86	844.08	60.78	14.887		
5,600.00	4,883.72	4,817.89	4,662.07	50.27	26.12	-110.31	1,588.62	1,286.32	951.50	889.40	62.10	15.322		
5,700.00	4,964.36	4,919.57	4,762.06	51.49	26.60	-113.79	1,601.35	1,273.01	997.64	934.72	62.91	15.857		
5,800.00	5,045.00	5,013.57	4,854.86	52.71	27.00	-116.75	1,611.93	1,262.35	1,044.15	980.56	63.59	16.420		
5,900.00	5,125.64	5,129.38	4,969.54	53.94	27.47	-120.09	1,623.66	1,251.38	1,090.88	1,026.40	64.48	16.919		
6,000.00	5,206.28	5,263.56	5,103.18	55.17	27.93	-123.70	1,632.65	1,243.56	1,135.36	1,069.97	65.39	17.364		
6,100.00	5,286.92	5,376.94	5,216.42	56.39	28.25	-126.59	1,636.59	1,240.18	1,178.39	1,112.41	65.99	17.858		
6,200.00	5,367.56	5,481.73	5,321.21	57.62	28.51	-129.14	1,637.63	1,239.06	1,220.80	1,154.35	66.45	18.371		
6,300.00	5,448.20	5,572.74	5,412.21	58.84	28.72	-131.24	1,637.49	1,239.10	1,263.51	1,196.70	66.81	18.912		
6,400.00	5,528.84	5,655.10	5,494.58	60.07	28.90	-133.03	1,637.52	1,239.56	1,307.14	1,240.00	67.13	19.471		
6,500.00	5,609.47	5,732.77	5,572.24	61.30	29.07	-134.63	1,637.41	1,239.85	1,352.04	1,284.61	67.43	20.052		
6,600.00	5,690.11	5,811.70	5,651.18	62.53	29.25	-136.17	1,637.29	1,239.99	1,398.12	1,330.40	67.72	20.644		
6,700.00	5,770.75	5,888.72	5,728.19	63.75	29.42	-137.60	1,637.22	1,240.00	1,445.30	1,377.28	68.02	21.248		
6,800.00	5,851.39	5,964.93	5,804.41	64.98	29.61	-138.93	1,637.29	1,239.81	1,493.55	1,425.23	68.32	21.860		
6,900.00	5,932.03	6,048.37	5,887.84	66.21	29.82	-140.30	1,637.66	1,239.51	1,542.70	1,474.01	68.68	22.461		
7,000.00	6,012.67	6,130.79	5,970.26	67.44	30.02	-141.58	1,637.99	1,239.51	1,592.23	1,523.18	69.05	23.059		
7,100.00	6,093.31	6,211.00	6,050.47	68.66	30.23	-142.75	1,638.57	1,239.37	1,642.54	1,573.13	69.41	23.663		
7,200.00	6,173.95	6,302.94	6,142.40	69.89	30.46	-144.01	1,639.49	1,239.69	1,692.99	1,623.12	69.87	24.230		
7,300.00	6,254.59	6,384.67	6,224.12	71.12	30.67	-145.06	1,640.46	1,240.20	1,743.74	1,673.47	70.27	24.813		
7,400.00	6,335.23	6,466.29	6,305.74	72.35	30.88	-146.06	1,641.29	1,240.72	1,794.93	1,724.24	70.68	25.394		
7,500.00	6,415.87	6,547.95	6,414.37	73.58	31.15	-147.28	1,643.24	1,242.38	1,845.76	1,774.46	71.30	25.888		
7,600.00	6,496.51	6,639.21	6,478.61	74.81	31.32	-147.97	1,644.29	1,243.45	1,896.90	1,825.28	71.62	26.485		
7,700.00	6,577.15	6,715.81	6,555.20	76.04	31.51	-148.78	1,645.02	1,244.19	1,948.97	1,876.95	72.02	27.060		
7,800.00	6,657.79	6,806.30	6,645.67	77.27	31.75	-149.66	1,646.59	1,245.15	2,001.27	1,928.73	72.54	27.587		
7,900.00	6,738.43	6,902.32	6,741.68	78.50	31.99	-150.59	1,646.76	1,246.88	2,053.33	1,980.25	73.08	28.099		
8,000.00	6,819.07	6,964.37	6,803.71	79.73	32.14	-151.17	1,646.73	1,248.19	2,105.52	2,032.14	73.38	28.692		
8,100.00	6,899.71	7,003.66	6,843.00	80.96	32.24	-151.53	1,646.84	1,248.28	2,159.43	2,085.90	73.53	29.368		
8,200.00	6,980.35	7,057.41	6,896.74	82.18	32.39	-151.99	1,647.18	1,247.30	2,215.08	2,141.30	73.78	30.021		
8,240.58	7,013.07	7,106.94	6,946.26	82.68	32.53	-152.40	1,647.61	1,246.50	2,237.71	2,163.59	74.12	30.190		
8,250.00	7,020.68	7,118.54	6,957.86	82.80	32.56	-154.30	1,647.72	1,246.36	2,242.93	2,168.73	74.20	30.229		
8,300.00	7,061.63	7,166.32	7,005.63	83.40	32.69	-164.66	1,648.18	1,245.95	2,270.66	2,196.14	74.52	30.472		
8,350.00	7,103.23	7,211.88	7,051.19	83.97	32.82	-175.43	1,648.50	1,245.65	2,298.31	2,223.48	74.83	30.715		
8,400.00	7,145.18	7,257.28	7,096.60	84.51	32.95	-173.66	1,648.74	1,245.45	2,325.65	2,250.50	75.15	30.948		
8,450.00	7,187.16	7,302.60	7,141.91	85.01	33.07	-162.96	1,649.01	1,245.30	2,352.49	2,277.01	75.48	31.167		
8,500.00	7,228.84	7,350.94	7,190.25	85.46	33.20	-152.84	1,649.29	1,245.25	2,378.64	2,302.79	75.85	31.362		
8,550.00	7,269.91	7,400.35	7,239.66	85.86	33.33	-143.56	1,649.44	1,245.37	2,403.88	2,327.65	76.23	31.536		
8,600.00	7,310.05	7,441.07	7,280.38	86.20	33.44	-135.20	1,649.48	1,245.57	2,428.14	2,351.59	76.55	31.719		
8,650.00	7,348.97	7,478.38	7,317.69	86.50	33.54	-127.80	1,649.51	1,245.72	2,451.43	2,374.57	76.87	31.892		
8,700.00	7,386.36	7,514.59	7,353.90	86.74	33.63	-121.38	1,649.54	1,245.86	2,473.67	2,396.48	77.19	32.047		
8,750.00	7,421.94	7,550.35	7,389.66	86.93	33.73	-115.87	1,649.50	1,245.98	2,494.78	2,417.25	77.53	32.180		
8,800.00	7,455.44	7,584.17	7,423.48	87.07	33.81	-111.15	1,649.38	1,246.11	2,514.70	2,436.83	77.87	32.294		
8,850.00	7,486.61	7,615.86	7,455.17	87.16	33.90	-107.12	1,649.21	1,246.23	2,533.38	2,455.17	78.22	32.389		
8,900.00	7,515.20	7,645.01	7,484.32	87.20	33.97	-103.69	1,649.06	1,246.35	2,550.82	2,472.25	78.58	32.463		
8,950.00	7,541.00	7,671.30	7,510.60	87.21	34.04	-100.78	1,648.95	1,246.45	2,566.99	2,488.05	78.94	32.518		
9,000.00	7,563.81	7,694.51	7,533.82	87.17	34.10	-98.31	1,648.87	1,246.55	2,581.88	2,502.57	79.31	32.553		
9,050.00	7,583.47	7,715.91	7,555.21	87.10	34.15	-96.26	1,648.79	1,246.64	2,595.49	2,515.78	79.71	32.564		
9,100.00	7,599.81	7,734.04	7,573.35	87.00	34.20	-94.55	1,648.70	1,246.74	2,607.79	2,527.68	80.11	32.554		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 95-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,150.00	7,612.72	7,748.55	7,587.85	86.88	34.23	93.14	1,648.61	1,246.82	2,618.78	2,538.27	80.51	32.526		
9,200.00	7,622.09	7,759.28	7,598.58	86.72	34.26	92.00	1,648.53	1,246.88	2,628.45	2,547.53	80.93	32.479		
9,250.00	7,627.87	7,766.10	7,605.40	86.55	34.28	91.11	1,648.48	1,246.92	2,636.80	2,555.45	81.35	32.415		
9,303.98	7,630.00	7,768.96	7,608.27	86.35	34.29	90.42	1,648.46	1,246.94	2,644.28	2,562.48	81.80	32.326		
9,400.00	7,630.00	7,769.85	7,609.16	85.99	34.29	90.44	1,648.45	1,246.94	2,657.87	2,575.25	82.61	32.172		
9,500.00	7,630.00	7,770.79	7,610.10	85.62	34.29	90.46	1,648.44	1,246.95	2,675.61	2,592.16	83.45	32.061		
9,600.00	7,630.00	7,771.75	7,611.05	85.28	34.29	90.48	1,648.43	1,246.96	2,696.95	2,612.67	84.28	32.000		
9,700.00	7,630.00	7,772.72	7,612.03	84.95	34.30	90.50	1,648.42	1,246.96	2,721.79	2,636.70	85.09	31.988		
9,800.00	7,630.00	7,773.71	7,613.01	84.64	34.30	90.52	1,648.41	1,246.97	2,750.05	2,664.18	85.87	32.025		
9,900.00	7,630.00	7,774.72	7,614.02	84.34	34.30	90.55	1,648.41	1,246.97	2,781.62	2,694.99	86.63	32.109		
10,000.00	7,630.00	7,775.74	7,615.04	84.06	34.30	90.57	1,648.40	1,246.98	2,816.39	2,729.03	87.36	32.239		
10,100.00	7,630.00	7,776.78	7,616.08	83.80	34.31	90.59	1,648.39	1,246.99	2,854.23	2,766.18	88.05	32.414		
10,200.00	7,630.00	7,777.84	7,617.14	83.56	34.31	90.61	1,648.38	1,246.99	2,895.04	2,806.33	88.72	32.632		
10,300.00	7,630.00	7,778.91	7,618.21	83.33	34.31	90.64	1,648.37	1,247.00	2,938.69	2,849.34	89.35	32.891		
10,400.00	7,630.00	7,780.01	7,619.31	83.12	34.31	90.66	1,648.36	1,247.01	2,985.05	2,895.11	89.94	33.188		
10,500.00	7,630.00	7,781.12	7,620.42	82.92	34.32	90.69	1,648.35	1,247.02	3,034.00	2,943.49	90.50	33.524		
10,600.00	7,630.00	7,782.25	7,621.56	82.75	34.32	90.71	1,648.34	1,247.02	3,085.41	2,994.38	91.03	33.894		
10,700.00	7,630.00	7,783.41	7,622.71	82.59	34.32	90.74	1,648.33	1,247.03	3,139.17	3,047.64	91.53	34.298		
10,800.00	7,630.00	7,784.58	7,623.89	82.45	34.33	90.76	1,648.32	1,247.04	3,195.15	3,103.16	91.99	34.734		
10,900.00	7,630.00	7,785.78	7,625.08	82.33	34.33	90.79	1,648.31	1,247.05	3,253.24	3,160.82	92.42	35.199		
11,000.00	7,630.00	7,787.00	7,626.30	82.22	34.33	90.81	1,648.29	1,247.06	3,313.33	3,220.51	92.83	35.693		
11,100.00	7,630.00	7,788.24	7,627.54	82.14	34.34	90.84	1,648.28	1,247.06	3,375.32	3,282.12	93.20	36.214		
11,200.00	7,630.00	7,789.51	7,628.81	82.08	34.34	90.87	1,648.27	1,247.07	3,439.10	3,345.54	93.55	36.760		
11,300.00	7,630.00	7,790.80	7,630.10	82.04	34.34	90.90	1,648.26	1,247.08	3,504.57	3,410.69	93.88	37.330		
11,400.00	7,630.00	7,792.11	7,631.41	82.02	34.35	90.93	1,648.24	1,247.09	3,571.64	3,477.45	94.18	37.922		
11,500.00	7,630.00	7,793.45	7,632.75	82.03	34.35	90.96	1,648.23	1,247.10	3,640.22	3,545.75	94.46	38.535		
11,600.00	7,630.00	7,794.82	7,634.12	82.06	34.35	90.99	1,648.22	1,247.11	3,710.23	3,615.50	94.73	39.168		
11,700.00	7,630.00	7,796.21	7,635.51	82.12	34.36	91.02	1,648.20	1,247.12	3,781.58	3,686.61	94.97	39.820		
11,800.00	7,630.00	7,797.63	7,636.93	82.21	34.36	91.05	1,648.19	1,247.13	3,854.21	3,759.02	95.19	40.489		
11,900.00	7,630.00	7,799.08	7,638.38	82.33	34.36	91.08	1,648.17	1,247.14	3,928.04	3,832.65	95.40	41.175		
12,000.00	7,630.00	7,800.56	7,639.86	82.48	34.37	91.11	1,648.16	1,247.15	4,003.01	3,907.42	95.59	41.877		
12,100.00	7,630.00	7,802.07	7,641.37	82.66	34.37	91.14	1,648.14	1,247.16	4,079.05	3,983.29	95.77	42.593		
12,200.00	7,630.00	7,803.61	7,642.91	82.88	34.38	91.18	1,648.12	1,247.17	4,156.11	4,060.18	95.93	43.323		
12,300.00	7,630.00	7,805.18	7,644.49	83.14	34.38	91.21	1,648.11	1,247.18	4,234.13	4,138.04	96.09	44.066		
12,400.00	7,630.00	7,806.79	7,646.09	83.44	34.38	91.25	1,648.09	1,247.20	4,313.05	4,216.82	96.23	44.822		
12,500.00	7,630.00	7,808.43	7,647.73	83.79	34.39	91.28	1,648.07	1,247.21	4,392.83	4,296.47	96.36	45.589		
12,600.00	7,630.00	7,810.11	7,649.41	84.18	34.39	91.32	1,648.05	1,247.22	4,473.42	4,376.94	96.48	46.367		
12,700.00	7,630.00	7,811.82	7,651.13	84.61	34.40	91.36	1,648.03	1,247.23	4,554.78	4,458.19	96.59	47.155		
12,800.00	7,630.00	7,804.27	7,643.57	85.10	34.38	91.19	1,648.12	1,247.17	4,636.89	4,540.22	96.67	47.966		
12,900.00	7,630.00	7,805.09	7,644.39	85.64	34.38	91.21	1,648.11	1,247.18	4,719.67	4,622.91	96.76	48.775		
13,000.00	7,630.00	7,805.92	7,645.22	86.22	34.38	91.23	1,648.11	1,247.18	4,803.11	4,706.26	96.85	49.593		
13,100.00	7,630.00	7,806.74	7,646.04	86.86	34.38	91.25	1,648.10	1,247.19	4,887.17	4,790.24	96.93	50.418		
13,200.00	7,630.00	7,807.56	7,646.86	87.56	34.39	91.26	1,648.09	1,247.19	4,971.82	4,874.81	97.01	51.252		
13,300.00	7,630.00	7,808.37	7,647.67	88.30	34.39	91.28	1,648.08	1,247.20	5,057.03	4,959.96	97.08	52.093		
13,400.00	7,630.00	7,809.19	7,648.49	89.10	34.39	91.30	1,648.07	1,247.20	5,142.78	5,045.63	97.14	52.941		
13,500.00	7,630.00	7,810.00	7,649.30	89.94	34.39	91.32	1,648.07	1,247.21	5,229.02	5,131.82	97.20	53.796		
13,600.00	7,630.00	7,810.81	7,650.11	90.84	34.39	91.33	1,648.06	1,247.21	5,315.76	5,218.50	97.26	54.658		
13,700.00	7,630.00	7,811.61	7,650.91	91.78	34.40	91.35	1,648.05	1,247.22	5,402.94	5,305.64	97.31	55.525		
13,800.00	7,630.00	7,812.42	7,651.72	92.77	34.40	91.37	1,648.04	1,247.22	5,490.57	5,393.22	97.35	56.397		
13,900.00	7,630.00	7,813.22	7,652.52	93.79	34.40	91.39	1,648.04	1,247.23	5,578.61	5,481.21	97.40	57.276		
14,000.00	7,630.00	7,814.02	7,653.32	94.86	34.40	91.40	1,648.03	1,247.23	5,667.05	5,569.61	97.44	58.159		
14,100.00	7,630.00	7,814.81	7,654.12	95.97	34.40	91.42	1,648.02	1,247.24	5,755.87	5,658.39	97.48	59.047		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 95-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,630.00	7,815.61	7,654.91	97.11	34.41	91.44	1,648.01	1,247.24	5,845.05	5,747.53	97.52	59.940		
14,300.00	7,630.00	7,816.40	7,655.70	98.28	34.41	91.46	1,648.01	1,247.25	5,934.57	5,837.02	97.55	60.836		
14,400.00	7,630.00	7,817.19	7,656.49	99.48	34.41	91.47	1,648.00	1,247.25	6,024.42	5,926.84	97.58	61.737		
14,500.00	7,630.00	7,817.98	7,657.28	100.72	34.41	91.49	1,647.99	1,247.26	6,114.59	6,016.98	97.61	62.642		
14,600.00	7,630.00	7,818.76	7,658.06	101.97	34.41	91.51	1,647.98	1,247.26	6,205.06	6,107.42	97.64	63.551		
14,700.00	7,630.00	7,819.55	7,658.85	103.26	34.42	91.53	1,647.97	1,247.27	6,295.82	6,198.15	97.67	64.463		
14,800.00	7,630.00	7,820.33	7,659.63	104.56	34.42	91.54	1,647.97	1,247.27	6,386.85	6,289.16	97.69	65.378		
14,900.00	7,630.00	7,821.10	7,660.41	105.89	34.42	91.56	1,647.96	1,247.28	6,478.15	6,380.43	97.71	66.297		
15,000.00	7,630.00	7,821.88	7,661.18	107.24	34.42	91.58	1,647.95	1,247.28	6,569.70	6,471.96	97.74	67.218		
15,100.00	7,630.00	7,822.65	7,661.95	108.60	34.42	91.59	1,647.95	1,247.28	6,661.49	6,563.73	97.76	68.143		
15,200.00	7,630.00	7,823.43	7,662.73	109.98	34.43	91.61	1,647.94	1,247.29	6,753.52	6,655.74	97.78	69.070		
15,300.00	7,630.00	7,824.19	7,663.49	111.38	34.43	91.63	1,647.93	1,247.29	6,845.77	6,747.97	97.80	69.999		
15,400.00	7,630.00	7,824.96	7,664.26	112.79	34.43	91.64	1,647.92	1,247.30	6,938.23	6,840.41	97.82	70.931		
15,500.00	7,630.00	7,825.73	7,665.03	114.22	34.43	91.66	1,647.92	1,247.30	7,030.90	6,933.07	97.84	71.865		
15,600.00	7,630.00	7,826.49	7,665.79	115.66	34.43	91.68	1,647.91	1,247.31	7,123.77	7,025.92	97.85	72.801		
15,700.00	7,630.00	7,827.25	7,666.55	117.11	34.44	91.69	1,647.90	1,247.31	7,216.83	7,118.96	97.87	73.739		
15,800.00	7,630.00	7,828.01	7,667.31	118.57	34.44	91.71	1,647.89	1,247.31	7,310.07	7,212.19	97.89	74.679		
15,900.00	7,630.00	7,828.76	7,668.06	120.05	34.44	91.73	1,647.89	1,247.32	7,403.49	7,305.59	97.90	75.621		
16,000.00	7,630.00	7,829.51	7,668.81	121.53	34.44	91.74	1,647.88	1,247.32	7,497.08	7,399.16	97.92	76.565		
16,100.00	7,630.00	7,830.27	7,669.57	123.03	34.44	91.76	1,647.87	1,247.33	7,590.83	7,492.90	97.93	77.510		
16,200.00	7,630.00	7,831.01	7,670.31	124.53	34.44	91.78	1,647.87	1,247.33	7,684.74	7,586.79	97.95	78.456		
16,300.00	7,630.00	7,831.76	7,671.06	126.04	34.45	91.79	1,647.86	1,247.33	7,778.80	7,680.84	97.96	79.404		
16,400.00	7,630.00	7,832.51	7,671.81	127.56	34.45	91.81	1,647.85	1,247.34	7,873.01	7,775.03	97.98	80.353		
16,500.00	7,630.00	7,833.25	7,672.55	129.09	34.45	91.82	1,647.85	1,247.34	7,967.36	7,869.36	97.99	81.304		
16,600.00	7,630.00	7,833.99	7,673.29	130.62	34.45	91.84	1,647.84	1,247.35	8,061.84	7,963.83	98.01	82.256		
16,700.00	7,630.00	7,834.73	7,674.03	132.16	34.45	91.86	1,647.83	1,247.35	8,156.46	8,058.43	98.02	83.208		
16,800.00	7,630.00	7,835.46	7,674.76	133.71	34.46	91.87	1,647.83	1,247.35	8,251.20	8,153.16	98.04	84.162		
16,900.00	7,630.00	7,836.20	7,675.50	135.27	34.46	91.89	1,647.82	1,247.36	8,346.07	8,248.01	98.05	85.116		
17,000.00	7,630.00	7,836.93	7,676.23	136.83	34.46	91.90	1,647.81	1,247.36	8,441.05	8,342.98	98.07	86.072		
17,100.00	7,630.00	7,837.66	7,676.96	138.39	34.46	91.92	1,647.80	1,247.36	8,536.15	8,438.07	98.09	87.028		
17,200.00	7,630.00	7,838.39	7,677.69	139.97	34.46	91.94	1,647.80	1,247.37	8,631.36	8,533.26	98.10	87.985		
17,300.00	7,630.00	7,839.11	7,678.41	141.54	34.47	91.95	1,647.79	1,247.37	8,726.68	8,628.56	98.12	88.942		
17,400.00	7,630.00	7,839.84	7,679.14	143.12	34.47	91.97	1,647.78	1,247.38	8,822.10	8,723.96	98.13	89.900		
17,500.00	7,630.00	7,840.56	7,679.86	144.71	34.47	91.98	1,647.78	1,247.38	8,917.62	8,819.47	98.15	90.859		
17,600.00	7,630.00	7,841.28	7,680.58	146.30	34.47	92.00	1,647.77	1,247.38	9,013.23	8,915.07	98.16	91.818		
17,700.00	7,630.00	7,841.99	7,681.29	147.90	34.47	92.01	1,647.77	1,247.39	9,108.95	9,010.77	98.18	92.777		
17,800.00	7,630.00	7,842.71	7,682.01	149.50	34.47	92.03	1,647.76	1,247.39	9,204.75	9,106.55	98.20	93.737		
17,900.00	7,630.00	7,843.42	7,682.72	151.10	34.48	92.05	1,647.75	1,247.39	9,300.64	9,202.42	98.21	94.697		
18,000.00	7,630.00	7,844.13	7,683.43	152.71	34.48	92.06	1,647.75	1,247.40	9,396.62	9,298.38	98.23	95.658		
18,100.00	7,630.00	7,844.84	7,684.14	154.32	34.48	92.08	1,647.74	1,247.40	9,492.68	9,394.43	98.25	96.618		
18,200.00	7,630.00	7,845.55	7,684.85	155.94	34.48	92.09	1,647.73	1,247.40	9,588.82	9,490.55	98.27	97.579		
18,300.00	7,630.00	7,846.26	7,685.56	157.56	34.48	92.11	1,647.73	1,247.41	9,685.03	9,586.75	98.29	98.540		
18,400.00	7,630.00	7,846.96	7,686.26	159.18	34.49	92.12	1,647.72	1,247.41	9,781.33	9,683.02	98.30	99.501		
18,500.00	7,630.00	7,847.66	7,686.96	160.80	34.49	92.14	1,647.71	1,247.41	9,877.69	9,779.37	98.32	100.462		
18,600.00	7,630.00	7,848.36	7,687.66	162.43	34.49	92.15	1,647.71	1,247.42	9,974.13	9,875.79	98.34	101.423		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ BURY CRANDELL 12-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 120-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	134.04	-2,061.78	2,132.40	2,966.44					
100.00	100.00	74.44	74.44	0.13	0.12	134.04	-2,061.69	2,132.22	2,966.00	2,965.74	0.26	N/A		
200.00	200.00	195.61	195.60	0.49	0.46	134.04	-2,060.87	2,131.49	2,965.09	2,964.13	0.96	3,098.822		
300.00	300.00	873.88	866.43	0.85	3.22	132.97	-1,974.21	2,119.32	2,959.39	2,955.40	3.99	741.844		
400.00	400.00	1,204.66	1,180.96	1.21	5.11	131.72	-1,874.00	2,101.55	2,933.26	2,927.39	5.87	499.971		
500.00	500.00	1,358.75	1,324.46	1.57	6.12	131.00	-1,818.68	2,092.10	2,904.05	2,897.08	6.97	416.370		
600.00	600.00	1,505.52	1,460.15	1.93	7.13	130.26	-1,763.52	2,082.70	2,873.97	2,865.89	8.08	355.581		
700.00	700.00	1,624.64	1,569.25	2.29	8.00	129.61	-1,716.47	2,074.31	2,842.11	2,833.03	9.08	313.072		
800.00	799.98	1,718.77	1,655.19	2.64	8.69	67.95	-1,678.59	2,067.97	2,809.59	2,799.63	9.96	282.163		
900.00	899.84	1,806.32	1,735.14	2.99	9.34	68.20	-1,643.44	2,061.71	2,775.78	2,764.98	10.81	256.806		
1,000.00	999.45	1,873.00	1,796.24	3.35	9.83	68.61	-1,617.15	2,057.24	2,741.65	2,730.10	11.55	237.302		
1,100.00	1,098.70	1,980.60	1,894.94	3.73	10.63	68.94	-1,574.89	2,050.13	2,706.63	2,694.10	12.53	216.031		
1,200.00	1,197.47	2,041.78	1,951.27	4.11	11.07	69.51	-1,551.39	2,045.89	2,670.77	2,657.51	13.26	201.409		
1,300.00	1,295.62	2,140.87	2,042.84	4.53	11.79	70.10	-1,514.19	2,038.83	2,634.30	2,620.09	14.20	185.487		
1,400.00	1,393.06	2,259.02	2,151.58	4.97	12.65	70.77	-1,468.79	2,030.20	2,596.01	2,580.74	15.27	170.062		
1,500.00	1,489.64	2,363.59	2,247.47	5.44	13.43	71.59	-1,427.87	2,022.08	2,555.85	2,539.57	16.28	156.958		
1,600.00	1,585.27	2,438.00	2,315.81	5.95	13.98	72.51	-1,399.04	2,016.16	2,514.84	2,497.66	17.17	146.446		
1,700.00	1,679.82	2,506.98	2,379.44	6.51	14.48	73.51	-1,372.98	2,010.74	2,473.58	2,455.52	18.06	136.974		
1,800.00	1,773.17	2,627.60	2,490.59	7.13	15.37	74.76	-1,327.00	2,001.93	2,431.70	2,412.46	19.23	126.437		
1,900.00	1,865.21	2,699.07	2,555.97	7.79	15.91	75.94	-1,298.47	1,997.42	2,388.46	2,368.23	20.23	118.073		
2,000.00	1,955.84	2,791.32	2,640.57	8.51	16.60	77.32	-1,262.18	1,991.55	2,344.89	2,323.53	21.36	109.789		
2,100.00	2,044.94	2,908.70	2,748.49	9.30	17.47	79.06	-1,217.04	1,981.88	2,300.10	2,277.49	22.61	101.709		
2,200.00	2,132.39	3,018.97	2,849.38	10.15	18.30	80.96	-1,173.67	1,971.89	2,253.85	2,229.98	23.87	94.410		
2,300.00	2,218.11	3,112.69	2,934.66	11.07	19.03	82.86	-1,135.67	1,963.79	2,206.91	2,181.79	25.12	87.838		
2,400.00	2,301.97	3,220.10	3,031.76	12.06	19.88	85.07	-1,090.84	1,953.84	2,158.72	2,132.26	26.47	81.566		
2,500.00	2,383.88	3,277.71	3,083.96	13.11	20.34	86.84	-1,067.03	1,948.53	2,111.16	2,083.48	27.69	76.245		
2,512.74	2,394.17	3,287.00	3,092.40	13.25	20.41	87.10	-1,063.25	1,947.70	2,105.20	2,077.34	27.85	75.578		
2,600.00	2,464.54	3,345.71	3,145.79	14.22	20.87	87.87	-1,039.37	1,942.62	2,064.82	2,035.84	28.99	71.231		
2,700.00	2,545.18	3,412.77	3,206.83	15.35	21.39	88.78	-1,012.13	1,937.24	2,019.61	1,989.30	30.31	66.634		
2,800.00	2,625.82	3,476.77	3,265.25	16.50	21.88	89.66	-986.43	1,932.50	1,975.79	1,944.14	31.64	62.439		
2,900.00	2,706.45	3,561.56	3,342.85	17.65	22.52	90.89	-952.89	1,926.00	1,933.02	1,899.99	33.03	58.527		
3,000.00	2,787.09	3,676.13	3,447.13	18.82	23.41	92.60	-906.32	1,916.96	1,890.20	1,855.74	34.46	54.853		
3,100.00	2,867.73	3,739.14	3,504.27	19.99	23.90	93.56	-880.15	1,912.42	1,848.04	1,812.21	35.83	51.581		
3,200.00	2,948.37	3,807.92	3,566.91	21.17	24.44	94.65	-852.14	1,907.62	1,807.52	1,770.31	37.21	48.582		
3,300.00	3,029.01	3,876.94	3,630.03	22.36	24.96	95.79	-824.67	1,902.56	1,768.49	1,729.90	38.58	45.838		
3,400.00	3,109.65	3,942.24	3,690.02	23.55	25.45	96.91	-799.34	1,897.68	1,731.24	1,691.29	39.95	43.333		
3,500.00	3,190.29	4,030.50	3,771.14	24.74	26.11	98.47	-765.14	1,891.51	1,695.45	1,654.13	41.32	41.032		
3,600.00	3,270.93	4,113.59	3,847.30	25.94	26.74	99.95	-732.36	1,886.17	1,660.63	1,617.95	42.68	38.907		
3,700.00	3,351.57	4,197.48	3,924.23	27.14	27.37	101.52	-699.41	1,880.41	1,627.08	1,583.05	44.03	36.956		
3,800.00	3,432.21	4,266.62	3,987.70	28.35	27.89	102.86	-672.44	1,875.37	1,595.02	1,549.64	45.38	35.150		
3,900.00	3,512.85	4,326.06	4,042.57	29.56	28.33	104.04	-649.99	1,871.18	1,565.51	1,518.78	46.73	33.498		
4,000.00	3,593.49	4,406.29	4,116.86	30.76	28.91	105.68	-620.15	1,865.78	1,538.25	1,490.21	48.04	32.019		
4,100.00	3,674.13	4,490.22	4,194.56	31.97	29.51	107.43	-588.97	1,860.04	1,512.69	1,463.36	49.33	30.668		
4,200.00	3,754.77	4,574.40	4,272.48	33.19	30.12	109.25	-557.72	1,853.78	1,488.81	1,438.22	50.59	29.431		
4,300.00	3,835.41	4,663.08	4,354.44	34.40	30.77	111.20	-524.44	1,847.49	1,466.62	1,414.80	51.82	28.303		
4,400.00	3,916.05	4,745.42	4,430.38	35.62	31.38	113.04	-493.15	1,841.68	1,446.04	1,392.98	53.05	27.256		
4,500.00	3,996.69	4,817.60	4,497.02	36.83	31.90	114.66	-465.76	1,837.31	1,427.78	1,373.47	54.32	26.287		
4,600.00	4,077.33	4,880.23	4,555.11	38.05	32.35	116.09	-442.72	1,833.21	1,412.54	1,356.95	55.59	25.409		
4,700.00	4,157.96	4,931.96	4,603.40	39.27	32.71	117.31	-424.55	1,829.47	1,400.90	1,344.03	56.88	24.631		
4,800.00	4,238.60	4,987.00	4,655.24	40.49	33.08	118.62	-406.50	1,825.50	1,393.48	1,335.36	58.12	23.977		
4,900.00	4,319.24	5,040.69	4,706.15	41.71	33.42	119.90	-389.86	1,821.84	1,390.02	1,330.70	59.32	23.432		
4,945.16	4,355.66	5,068.29	4,732.42	42.26	33.59	120.55	-381.56	1,820.11	1,389.65	1,329.81	59.85	23.221 CC		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ BURY CRANDELL 12-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 120-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	4,399.88	5,100.96	4,763.59	42.93	33.79	121.32	-371.96	1,818.19	1,390.20	1,329.73	60.47	22.989	ES	
5,100.00	4,480.52	5,159.65	4,819.81	44.15	34.14	122.70	-355.45	1,814.95	1,394.07	1,332.49	61.59	22.636		
5,200.00	4,561.16	5,220.30	4,878.20	45.37	34.48	124.10	-339.35	1,811.87	1,401.58	1,338.94	62.65	22.372		
5,300.00	4,641.80	5,280.37	4,936.29	46.59	34.81	125.47	-324.28	1,809.05	1,412.57	1,348.90	63.66	22.188		
5,400.00	4,722.44	5,334.98	4,989.36	47.82	35.08	126.69	-311.61	1,806.92	1,427.19	1,362.58	64.61	22.088		
5,500.00	4,803.08	5,388.40	5,041.54	49.04	35.34	127.85	-300.31	1,805.32	1,445.46	1,379.96	65.50	22.069	SF	
5,600.00	4,883.72	5,440.18	5,092.37	50.27	35.58	128.94	-290.52	1,804.12	1,467.37	1,401.05	66.31	22.128		
5,700.00	4,964.36	5,491.26	5,142.74	51.49	35.79	129.98	-282.02	1,803.21	1,492.77	1,425.72	67.05	22.263		
5,800.00	5,045.00	5,553.00	5,203.84	52.71	36.03	131.20	-273.29	1,802.19	1,521.64	1,453.86	67.78	22.451		
5,900.00	5,125.64	5,599.88	5,250.37	53.94	36.19	132.10	-267.58	1,801.47	1,553.43	1,485.06	68.37	22.721		
6,000.00	5,206.28	5,659.60	5,309.74	55.17	36.39	133.21	-261.12	1,800.69	1,587.82	1,518.84	68.98	23.019		
6,100.00	5,286.92	5,716.38	5,366.27	56.39	36.57	134.23	-255.89	1,799.91	1,624.70	1,555.17	69.53	23.368		
6,200.00	5,367.56	5,768.14	5,417.87	57.62	36.71	135.12	-251.97	1,799.13	1,664.05	1,594.05	69.99	23.774		
6,300.00	5,448.20	5,815.63	5,465.28	58.84	36.84	135.92	-249.40	1,798.43	1,706.03	1,635.65	70.39	24.238		
6,400.00	5,528.84	5,871.82	5,521.44	60.07	36.97	136.82	-247.52	1,797.60	1,750.42	1,679.61	70.81	24.720		
6,500.00	5,609.47	5,934.91	5,584.50	61.30	37.11	137.79	-246.09	1,796.61	1,796.52	1,725.25	71.26	25.210		
6,600.00	5,690.11	6,003.81	5,653.39	62.53	37.25	138.80	-245.23	1,795.72	1,844.01	1,772.26	71.74	25.703		
6,700.00	5,770.75	6,081.47	5,731.05	63.75	37.40	139.87	-244.83	1,795.06	1,892.53	1,820.24	72.29	26.179		
6,800.00	5,851.39	6,168.37	5,817.94	64.98	37.57	141.02	-244.23	1,794.24	1,941.59	1,868.68	72.91	26.630		
6,900.00	5,932.03	6,258.40	5,907.97	66.21	37.76	142.16	-243.26	1,793.69	1,990.82	1,917.27	73.55	27.067		
7,000.00	6,012.67	6,342.20	5,991.76	67.44	37.94	143.17	-242.08	1,793.29	2,040.29	1,966.16	74.13	27.522		
7,100.00	6,093.31	6,422.40	6,071.95	68.66	38.11	144.10	-241.06	1,793.01	2,090.29	2,015.61	74.68	27.989		
7,200.00	6,173.95	6,512.27	6,161.81	69.89	38.30	145.08	-239.76	1,792.87	2,140.55	2,065.24	75.31	28.424		
7,300.00	6,254.59	6,582.13	6,231.66	71.12	38.45	145.82	-238.78	1,792.63	2,191.33	2,115.56	75.76	28.923		
7,400.00	6,335.23	6,663.76	6,313.28	72.35	38.63	146.66	-237.80	1,792.33	2,242.65	2,166.34	76.31	29.387		
7,500.00	6,415.87	6,746.51	6,396.03	73.58	38.81	147.45	-236.89	1,792.31	2,294.26	2,217.38	76.88	29.844		
7,600.00	6,496.51	6,828.44	6,477.95	74.81	38.99	148.22	-235.90	1,792.24	2,346.16	2,268.73	77.43	30.301		
7,700.00	6,577.15	6,909.69	6,559.20	76.04	39.17	148.94	-234.91	1,792.20	2,398.35	2,320.37	77.98	30.758		
7,800.00	6,657.79	6,989.26	6,638.76	77.27	39.35	149.63	-233.95	1,792.16	2,450.84	2,372.33	78.51	31.218		
7,900.00	6,738.43	7,065.08	6,714.57	78.50	39.51	150.25	-233.30	1,792.28	2,503.73	2,424.72	79.01	31.688		
8,000.00	6,819.07	7,165.51	6,815.00	79.73	39.73	151.02	-232.42	1,792.90	2,556.64	2,476.92	79.72	32.070		
8,100.00	6,899.71	7,251.19	6,900.67	80.96	39.92	151.65	-231.60	1,793.95	2,609.43	2,529.12	80.31	32.492		
8,200.00	6,980.35	7,348.32	6,997.78	82.18	40.13	152.32	-230.78	1,795.88	2,662.11	2,581.11	80.99	32.868		
8,240.58	7,013.07	7,382.27	7,031.71	82.68	40.21	152.54	-230.52	1,796.75	2,683.44	2,602.21	81.23	33.036		
8,250.00	7,020.68	7,390.18	7,039.63	82.80	40.22	151.04	-230.46	1,796.96	2,688.34	2,607.06	81.28	33.075		
8,300.00	7,061.63	7,432.77	7,082.19	83.40	40.32	142.89	-230.18	1,798.14	2,712.63	2,631.06	81.57	33.254		
8,350.00	7,103.23	7,469.58	7,118.99	83.97	40.39	134.45	-230.00	1,799.20	2,733.93	2,652.12	81.81	33.418		
8,400.00	7,145.18	7,504.86	7,154.25	84.51	40.47	125.93	-229.91	1,800.18	2,752.22	2,670.19	82.03	33.551		
8,450.00	7,187.16	7,540.09	7,189.48	85.01	40.54	117.65	-229.92	1,801.12	2,767.41	2,685.17	82.24	33.650		
8,500.00	7,228.84	7,575.02	7,224.39	85.46	40.62	109.90	-230.03	1,802.02	2,779.45	2,697.01	82.44	33.716		
8,550.00	7,269.91	7,609.47	7,258.83	85.86	40.69	102.92	-230.23	1,802.88	2,788.31	2,705.69	82.62	33.750		
8,600.00	7,310.05	7,641.85	7,291.20	86.20	40.75	96.85	-230.53	1,803.68	2,793.97	2,711.21	82.76	33.758		
8,650.00	7,348.97	7,671.05	7,320.39	86.50	40.81	91.71	-230.91	1,804.37	2,796.50	2,713.63	82.87	33.747		
8,700.00	7,386.36	7,699.24	7,348.57	86.74	40.86	87.51	-231.39	1,805.01	2,795.93	2,712.98	82.95	33.708		
8,750.00	7,421.94	7,726.85	7,376.17	86.93	40.92	84.19	-231.98	1,805.61	2,792.30	2,709.30	83.00	33.641		
8,800.00	7,455.44	7,765.03	7,414.33	87.07	40.99	81.85	-232.87	1,806.48	2,785.61	2,702.47	83.14	33.505		
8,850.00	7,486.61	7,800.83	7,450.10	87.16	41.06	80.24	-233.72	1,807.37	2,775.89	2,692.65	83.25	33.346		
8,900.00	7,515.20	7,833.94	7,483.19	87.20	41.12	79.30	-234.52	1,808.27	2,763.27	2,679.95	83.32	33.164		
8,950.00	7,541.00	7,845.36	7,494.60	87.21	41.14	78.62	-234.84	1,808.53	2,748.04	2,664.85	83.19	33.034		
9,000.00	7,563.81	7,860.87	7,510.10	87.17	41.17	78.60	-235.29	1,808.87	2,730.31	2,647.22	83.09	32.860		
9,050.00	7,583.47	7,874.44	7,523.66	87.10	41.20	79.10	-235.70	1,809.13	2,710.24	2,627.27	82.97	32.665		
9,100.00	7,599.81	7,885.97	7,535.18	87.00	41.22	80.10	-236.07	1,809.34	2,687.97	2,605.13	82.84	32.448		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ BURY CRANDELL 12-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 120-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,150.00	7,612.72	7,895.36	7,544.57	86.88	41.24	81.59	-236.39	1,809.48	2,663.66	2,580.96	82.69	32.211		
9,200.00	7,622.09	7,902.54	7,551.75	86.72	41.25	83.56	-236.63	1,809.59	2,637.48	2,554.93	82.54	31.953		
9,250.00	7,627.87	7,914.00	7,563.20	86.55	41.27	86.18	-237.04	1,809.74	2,609.62	2,527.16	82.46	31.648		
9,303.98	7,630.00	7,914.00	7,563.20	86.35	41.27	89.28	-237.04	1,809.74	2,577.82	2,495.56	82.27	31.335		
9,400.00	7,630.00	7,914.00	7,563.20	85.99	41.27	89.28	-237.04	1,809.74	2,521.01	2,439.04	81.97	30.755		
9,500.00	7,630.00	7,914.00	7,563.20	85.62	41.27	89.28	-237.04	1,809.74	2,464.43	2,382.74	81.68	30.170		
9,600.00	7,630.00	7,914.00	7,563.20	85.28	41.27	89.28	-237.04	1,809.74	2,410.67	2,329.23	81.43	29.602		
9,700.00	7,630.00	7,914.00	7,563.20	84.95	41.27	89.28	-237.04	1,809.74	2,359.92	2,278.69	81.23	29.051		
9,800.00	7,630.00	7,922.41	7,571.61	84.64	41.29	89.51	-237.35	1,809.83	2,312.37	2,231.17	81.20	28.478		
9,900.00	7,630.00	7,925.01	7,574.20	84.34	41.29	89.59	-237.45	1,809.86	2,268.24	2,187.07	81.16	27.946		
10,000.00	7,630.00	7,927.64	7,576.83	84.06	41.30	89.66	-237.55	1,809.88	2,227.72	2,146.50	81.22	27.430		
10,100.00	7,630.00	7,930.30	7,579.48	83.80	41.30	89.73	-237.65	1,809.91	2,191.01	2,109.65	81.36	26.929		
10,200.00	7,630.00	7,932.98	7,582.16	83.56	41.31	89.81	-237.75	1,809.93	2,158.32	2,076.70	81.62	26.445		
10,300.00	7,630.00	7,935.69	7,584.87	83.33	41.31	89.88	-237.85	1,809.96	2,129.81	2,047.83	81.98	25.980		
10,400.00	7,630.00	7,938.43	7,587.61	83.12	41.32	89.96	-237.96	1,809.98	2,105.67	2,023.21	82.46	25.537		
10,500.00	7,630.00	7,941.20	7,590.37	82.92	41.32	90.04	-238.06	1,810.00	2,086.04	2,003.00	83.04	25.121		
10,600.00	7,630.00	7,943.99	7,593.17	82.75	41.33	90.12	-238.17	1,810.02	2,071.06	1,987.33	83.72	24.737		
10,700.00	7,630.00	7,946.82	7,596.00	82.59	41.33	90.20	-238.28	1,810.04	2,060.81	1,976.32	84.50	24.389		
10,800.00	7,630.00	7,949.68	7,598.85	82.45	41.34	90.27	-238.39	1,810.05	2,055.39	1,970.04	85.34	24.083		
10,861.83	7,630.00	7,951.46	7,600.63	82.37	41.34	90.32	-238.46	1,810.06	2,054.46	1,968.55	85.90	23.916		
10,900.00	7,630.00	7,952.57	7,601.74	82.33	41.34	90.36	-238.50	1,810.07	2,054.81	1,968.57	86.24	23.825		
11,000.00	7,630.00	7,955.49	7,604.66	82.22	41.35	90.44	-238.62	1,810.09	2,059.09	1,971.91	87.18	23.619		
11,100.00	7,630.00	7,958.45	7,607.61	82.14	41.35	90.52	-238.74	1,810.10	2,068.20	1,980.07	88.13	23.468		
11,200.00	7,630.00	7,961.43	7,610.59	82.08	41.36	90.60	-238.85	1,810.11	2,082.07	1,993.00	89.07	23.375		
11,300.00	7,630.00	7,964.45	7,613.61	82.04	41.37	90.69	-238.98	1,810.12	2,100.61	2,010.61	90.00	23.341		
11,400.00	7,630.00	7,967.51	7,616.66	82.02	41.37	90.77	-239.10	1,810.13	2,123.70	2,032.81	90.89	23.366		
11,500.00	7,630.00	7,970.59	7,619.75	82.03	41.38	90.86	-239.22	1,810.14	2,151.18	2,059.45	91.73	23.451		
11,600.00	7,630.00	7,973.72	7,622.87	82.06	41.38	90.94	-239.35	1,810.14	2,182.90	2,090.38	92.52	23.594		
11,700.00	7,630.00	7,976.88	7,626.02	82.12	41.39	91.03	-239.48	1,810.15	2,218.67	2,125.42	93.25	23.793		
11,800.00	7,630.00	7,980.07	7,629.22	82.21	41.39	91.12	-239.61	1,810.15	2,258.30	2,164.38	93.92	24.045		
11,900.00	7,630.00	7,983.30	7,632.44	82.33	41.40	91.21	-239.75	1,810.15	2,301.59	2,207.06	94.52	24.350		
12,000.00	7,630.00	7,986.57	7,635.71	82.48	41.41	91.30	-239.88	1,810.15	2,348.33	2,253.27	95.07	24.702		
12,100.00	7,630.00	7,989.88	7,639.01	82.66	41.41	91.39	-240.02	1,810.15	2,398.33	2,302.78	95.55	25.100		
12,200.00	7,630.00	7,993.22	7,642.36	82.88	41.42	91.49	-240.16	1,810.14	2,451.39	2,355.41	95.98	25.541		
12,300.00	7,630.00	7,996.61	7,645.74	83.14	41.42	91.58	-240.30	1,810.14	2,507.31	2,410.96	96.35	26.022		
12,400.00	7,630.00	8,000.03	7,649.16	83.44	41.43	91.68	-240.45	1,810.13	2,565.90	2,469.22	96.68	26.540		
12,500.00	7,630.00	8,003.50	7,652.62	83.79	41.44	91.77	-240.60	1,810.12	2,626.99	2,530.02	96.96	27.093		
12,600.00	7,630.00	8,007.00	7,656.12	84.18	41.44	91.87	-240.75	1,810.11	2,690.40	2,593.19	97.21	27.677		
12,700.00	7,630.00	8,009.00	7,658.12	84.61	41.45	91.93	-240.84	1,810.10	2,755.98	2,658.57	97.41	28.292		
12,800.00	7,630.00	8,014.06	7,663.18	85.10	41.46	92.07	-241.06	1,810.07	2,823.57	2,725.98	97.59	28.932		
12,900.00	7,630.00	8,017.68	7,666.79	85.64	41.46	92.17	-241.22	1,810.05	2,893.03	2,795.29	97.74	29.598		
13,000.00	7,630.00	8,021.37	7,670.48	86.22	41.47	92.27	-241.38	1,810.02	2,964.24	2,866.37	97.87	30.288		
13,100.00	7,630.00	8,025.14	7,674.24	86.86	41.48	92.38	-241.55	1,810.00	3,037.06	2,939.09	97.97	30.999		
13,200.00	7,630.00	8,028.99	7,678.09	87.56	41.48	92.48	-241.73	1,809.96	3,111.39	3,013.33	98.06	31.729		
13,300.00	7,630.00	8,032.92	7,682.02	88.30	41.49	92.59	-241.91	1,809.92	3,187.12	3,088.98	98.13	32.478		
13,400.00	7,630.00	8,036.94	7,686.03	89.10	41.50	92.70	-242.10	1,809.88	3,264.14	3,165.96	98.19	33.244		
13,500.00	7,630.00	8,041.05	7,690.13	89.94	41.50	92.82	-242.29	1,809.84	3,342.38	3,244.15	98.23	34.025		
13,600.00	7,630.00	8,045.25	7,694.33	90.84	41.51	92.93	-242.49	1,809.78	3,421.75	3,323.48	98.27	34.821		
13,700.00	7,630.00	8,320.98	7,968.98	91.78	41.94	100.49	-264.89	1,812.20	3,501.69	3,403.11	98.58	35.520		
13,800.00	7,630.00	8,324.32	7,972.29	92.77	41.94	100.58	-265.22	1,812.36	3,582.48	3,483.89	98.59	36.339		
13,900.00	7,630.00	8,327.54	7,975.49	93.79	41.95	100.67	-265.53	1,812.51	3,664.20	3,565.62	98.58	37.168		
14,000.00	7,630.00	8,330.64	7,978.58	94.86	41.95	100.75	-265.83	1,812.65	3,746.81	3,648.23	98.58	38.008		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ BURY CRANDELL 12-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 120-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,100.00	7,630.00	8,333.63	7,981.55	95.97	41.95	100.83	-266.11	1,812.78	3,830.24	3,731.67	98.57	38.858		
14,200.00	7,630.00	8,336.52	7,984.43	97.11	41.96	100.91	-266.38	1,812.91	3,914.43	3,815.88	98.56	39.716		
14,300.00	7,630.00	8,339.31	7,987.20	98.28	41.96	100.99	-266.63	1,813.04	3,999.35	3,900.81	98.55	40.583		
14,400.00	7,630.00	8,342.01	7,989.89	99.48	41.97	101.06	-266.87	1,813.15	4,084.95	3,986.42	98.53	41.458		
14,500.00	7,630.00	8,344.62	7,992.49	100.72	41.97	101.13	-267.10	1,813.27	4,171.18	4,072.66	98.52	42.340		
14,600.00	7,630.00	8,347.14	7,995.00	101.97	41.97	101.20	-267.32	1,813.37	4,258.01	4,159.51	98.50	43.228		
14,700.00	7,630.00	8,349.59	7,997.43	103.26	41.98	101.26	-267.52	1,813.48	4,345.40	4,246.91	98.48	44.123		
14,800.00	7,630.00	8,351.96	7,999.79	104.56	41.98	101.33	-267.72	1,813.58	4,433.31	4,334.85	98.47	45.023		
14,900.00	7,630.00	8,354.25	8,002.07	105.89	41.98	101.39	-267.91	1,813.67	4,521.73	4,423.28	98.45	45.929		
15,000.00	7,630.00	8,386.00	8,033.72	107.24	42.03	102.24	-270.21	1,814.90	4,610.96	4,512.51	98.45	46.834		
15,100.00	7,630.00	8,386.00	8,033.72	108.60	42.03	102.24	-270.21	1,814.90	4,700.24	4,601.80	98.44	47.749		
15,200.00	7,630.00	8,386.00	8,033.72	109.98	42.03	102.24	-270.21	1,814.90	4,789.94	4,691.52	98.42	48.669		
15,300.00	7,630.00	8,386.00	8,033.72	111.38	42.03	102.24	-270.21	1,814.90	4,880.04	4,781.64	98.40	49.593		
15,400.00	7,630.00	8,386.00	8,033.72	112.79	42.03	102.24	-270.21	1,814.90	4,970.52	4,872.14	98.39	50.520		
15,500.00	7,630.00	8,386.00	8,033.72	114.22	42.03	102.24	-270.21	1,814.90	5,061.36	4,962.99	98.37	51.452		
15,600.00	7,630.00	8,386.00	8,033.72	115.66	42.03	102.24	-270.21	1,814.90	5,152.54	5,054.18	98.36	52.386		
15,700.00	7,630.00	8,386.00	8,033.72	117.11	42.03	102.24	-270.21	1,814.90	5,244.04	5,145.70	98.34	53.324		
15,800.00	7,630.00	8,386.00	8,033.72	118.57	42.03	102.24	-270.21	1,814.90	5,335.85	5,237.52	98.33	54.265		
15,900.00	7,630.00	8,386.00	8,033.72	120.05	42.03	102.24	-270.21	1,814.90	5,427.94	5,329.62	98.32	55.209		
16,000.00	7,630.00	8,386.00	8,033.72	121.53	42.03	102.24	-270.21	1,814.90	5,520.31	5,422.00	98.31	56.155		
16,100.00	7,630.00	8,386.00	8,033.72	123.03	42.03	102.24	-270.21	1,814.90	5,612.94	5,514.65	98.29	57.103		
16,200.00	7,630.00	8,386.00	8,033.72	124.53	42.03	102.24	-270.21	1,814.90	5,705.82	5,607.54	98.29	58.054		
16,300.00	7,630.00	8,386.00	8,033.72	126.04	42.03	102.24	-270.21	1,814.90	5,798.94	5,700.66	98.28	59.006		
16,400.00	7,630.00	8,386.00	8,033.72	127.56	42.03	102.24	-270.21	1,814.90	5,892.28	5,794.01	98.27	59.961		
16,500.00	7,630.00	8,386.00	8,033.72	129.09	42.03	102.24	-270.21	1,814.90	5,985.84	5,887.58	98.26	60.917		
16,600.00	7,630.00	8,386.00	8,033.72	130.62	42.03	102.24	-270.21	1,814.90	6,079.60	5,981.35	98.26	61.875		
16,700.00	7,630.00	8,386.00	8,033.72	132.16	42.03	102.24	-270.21	1,814.90	6,173.56	6,075.31	98.25	62.835		
16,800.00	7,630.00	8,386.00	8,033.72	133.71	42.03	102.24	-270.21	1,814.90	6,267.70	6,169.46	98.25	63.796		
16,900.00	7,630.00	8,386.00	8,033.72	135.27	42.03	102.24	-270.21	1,814.90	6,362.03	6,263.79	98.24	64.758		
17,000.00	7,630.00	8,386.00	8,033.72	136.83	42.03	102.24	-270.21	1,814.90	6,456.52	6,358.28	98.24	65.722		
17,100.00	7,630.00	8,386.00	8,033.72	138.39	42.03	102.24	-270.21	1,814.90	6,551.18	6,452.94	98.24	66.686		
17,200.00	7,630.00	8,386.00	8,033.72	139.97	42.03	102.24	-270.21	1,814.90	6,646.00	6,547.76	98.24	67.652		
17,300.00	7,630.00	8,386.00	8,033.72	141.54	42.03	102.24	-270.21	1,814.90	6,740.96	6,642.72	98.24	68.619		
17,400.00	7,630.00	8,386.00	8,033.72	143.12	42.03	102.24	-270.21	1,814.90	6,836.07	6,737.83	98.24	69.586		
17,500.00	7,630.00	8,386.00	8,033.72	144.71	42.03	102.24	-270.21	1,814.90	6,931.31	6,833.07	98.24	70.554		
17,600.00	7,630.00	8,386.00	8,033.72	146.30	42.03	102.24	-270.21	1,814.90	7,026.69	6,928.45	98.24	71.523		
17,700.00	7,630.00	8,411.45	8,059.10	147.90	42.08	102.92	-271.77	1,815.80	7,122.08	7,023.81	98.28	72.470		
17,800.00	7,630.00	8,413.76	8,061.40	149.50	42.08	102.99	-271.91	1,815.88	7,217.69	7,119.41	98.28	73.438		
17,900.00	7,630.00	8,416.02	8,063.66	151.10	42.09	103.05	-272.04	1,815.96	7,313.41	7,215.12	98.29	74.406		
18,000.00	7,630.00	8,418.25	8,065.89	152.71	42.09	103.11	-272.16	1,816.03	7,409.24	7,310.94	98.30	75.374		
18,100.00	7,630.00	8,420.44	8,068.07	154.32	42.09	103.16	-272.29	1,816.11	7,505.18	7,406.87	98.31	76.342		
18,200.00	7,630.00	8,422.60	8,070.23	155.94	42.10	103.22	-272.41	1,816.18	7,601.23	7,502.91	98.32	77.311		
18,300.00	7,630.00	8,424.73	8,072.35	157.56	42.10	103.28	-272.53	1,816.26	7,697.37	7,599.04	98.33	78.280		
18,400.00	7,630.00	8,426.82	8,074.43	159.18	42.10	103.33	-272.65	1,816.33	7,793.60	7,695.26	98.34	79.249		
18,500.00	7,630.00	8,428.88	8,076.49	160.80	42.11	103.39	-272.76	1,816.40	7,889.93	7,791.58	98.36	80.218		
18,600.00	7,630.00	8,430.90	8,078.51	162.43	42.11	103.44	-272.87	1,816.46	7,986.35	7,887.98	98.37	81.187		
18,700.00	7,630.00	8,432.90	8,080.51	164.06	42.12	103.50	-272.98	1,816.53	8,082.86	7,984.47	98.38	82.156		
18,800.00	7,630.00	8,434.87	8,082.47	165.70	42.12	103.55	-273.09	1,816.60	8,179.44	8,081.05	98.40	83.125		
18,900.00	7,630.00	8,436.81	8,084.40	167.33	42.12	103.60	-273.19	1,816.66	8,276.11	8,177.70	98.41	84.094		
19,000.00	7,630.00	8,438.72	8,086.31	168.97	42.13	103.65	-273.29	1,816.73	8,372.85	8,274.42	98.43	85.063		
19,021.79	7,630.00	8,439.13	8,086.72	169.33	42.13	103.66	-273.31	1,816.74	8,393.94	8,295.51	98.43	85.274		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ BURY CRANDELL 21-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 122-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	69.77	772.38	2,095.75	2,233.91					
100.00	100.00	62.85	62.85	0.13	0.10	69.77	772.16	2,095.79	2,233.51	2,233.28	0.24	9,484.047		
200.00	200.00	167.50	167.49	0.49	0.36	69.80	771.00	2,095.96	2,233.28	2,232.43	0.85	2,621.195		
300.00	300.00	271.04	271.03	0.85	0.73	69.82	770.23	2,095.77	2,232.86	2,231.28	1.58	1,412.320		
400.00	400.00	360.96	360.95	1.21	1.05	69.83	769.67	2,095.62	2,232.49	2,230.23	2.26	987.974		
405.71	405.71	365.72	365.71	1.23	1.07	69.83	769.64	2,095.63	2,232.49	2,230.19	2.30	971.892		
500.00	500.00	452.42	452.41	1.57	1.37	69.85	769.13	2,096.05	2,232.72	2,229.78	2.94	759.069		
600.00	600.00	541.09	541.08	1.93	1.68	69.86	768.91	2,096.61	2,233.24	2,229.63	3.61	618.415		
700.00	700.00	633.98	633.96	2.29	2.01	69.88	768.65	2,097.81	2,234.35	2,230.05	4.30	520.057		
800.00	799.98	731.02	730.98	2.64	2.35	8.12	768.44	2,099.12	2,233.81	2,228.82	4.99	447.508		
900.00	899.84	833.87	833.83	2.99	2.72	8.15	768.60	2,100.48	2,229.93	2,224.22	5.71	390.747		
1,000.00	999.45	948.38	948.33	3.35	3.11	8.21	769.03	2,101.38	2,222.17	2,215.71	6.46	343.952		
1,100.00	1,098.70	1,051.54	1,051.48	3.73	3.46	8.26	770.28	2,101.37	2,210.51	2,203.34	7.17	308.366		
1,200.00	1,197.47	1,135.30	1,135.24	4.11	3.75	8.32	771.50	2,101.54	2,195.71	2,187.89	7.82	280.949		
1,300.00	1,295.62	1,235.33	1,235.25	4.53	4.10	8.42	772.85	2,101.85	2,177.56	2,169.04	8.52	255.455		
1,400.00	1,393.06	1,294.84	1,294.74	4.97	4.31	8.50	774.32	2,102.47	2,157.08	2,147.98	9.10	237.160		
1,500.00	1,489.64	1,354.28	1,354.11	5.44	4.51	8.58	776.91	2,103.80	2,134.95	2,125.28	9.67	220.762		
1,600.00	1,585.27	1,409.00	1,408.69	5.95	4.71	8.65	780.25	2,105.67	2,111.21	2,100.97	10.23	206.301		
1,700.00	1,679.82	1,476.40	1,475.82	6.51	4.95	8.72	785.40	2,108.81	2,085.74	2,074.89	10.85	192.246		
1,800.00	1,773.17	1,535.80	1,534.88	7.13	5.16	8.79	790.69	2,112.39	2,058.56	2,047.12	11.44	179.909		
1,900.00	1,865.21	1,598.00	1,596.57	7.79	5.39	8.86	797.01	2,117.15	2,029.88	2,017.82	12.05	168.425		
2,000.00	1,955.84	1,655.07	1,653.05	8.51	5.61	8.95	803.31	2,122.40	1,999.57	1,986.92	12.65	158.045		
2,100.00	2,044.94	1,718.98	1,716.16	9.30	5.85	9.05	810.71	2,129.19	1,967.54	1,954.25	13.29	148.082		
2,200.00	2,132.39	1,787.00	1,783.15	10.15	6.11	9.16	819.39	2,137.20	1,933.64	1,919.69	13.95	138.636		
2,300.00	2,218.11	1,843.33	1,838.45	11.07	6.34	9.28	827.10	2,144.61	1,898.04	1,883.47	14.57	130.237		
2,400.00	2,301.97	1,906.46	1,900.24	12.06	6.60	9.42	836.08	2,153.98	1,860.90	1,845.67	15.24	122.127		
2,500.00	2,383.88	1,975.00	1,967.15	13.11	6.89	9.58	846.14	2,164.89	1,821.75	1,805.81	15.93	114.327		
2,512.74	2,394.17	1,975.00	1,967.15	13.25	6.89	9.60	846.14	2,164.89	1,816.65	1,800.66	15.99	113.601		
2,600.00	2,464.54	2,030.10	2,020.79	14.22	7.13	9.65	854.10	2,174.66	1,782.17	1,765.58	16.59	107.447		
2,700.00	2,545.18	2,088.10	2,077.02	15.35	7.39	9.73	861.92	2,186.50	1,744.56	1,727.30	17.26	101.092		
2,800.00	2,625.82	2,159.29	2,145.85	16.50	7.71	9.88	870.67	2,202.42	1,708.37	1,690.38	17.99	94.937		
2,900.00	2,706.45	2,238.89	2,222.66	17.65	8.09	10.12	879.03	2,221.57	1,673.20	1,654.42	18.78	89.094		
3,000.00	2,787.09	2,311.53	2,292.59	18.82	8.44	10.40	885.52	2,240.12	1,638.96	1,619.41	19.55	83.837		
3,100.00	2,867.73	2,384.14	2,362.20	19.99	8.80	10.69	892.28	2,259.61	1,606.08	1,585.75	20.33	78.998		
3,200.00	2,948.37	2,449.00	2,424.19	21.17	9.13	10.97	898.18	2,277.77	1,574.44	1,553.35	21.09	74.654		
3,300.00	3,029.01	2,515.74	2,487.60	22.36	9.49	11.26	904.71	2,297.54	1,544.59	1,522.72	21.87	70.628		
3,400.00	3,109.65	2,593.95	2,561.33	23.55	9.93	11.59	913.40	2,322.14	1,516.79	1,494.07	22.71	66.778		
3,500.00	3,190.29	2,701.23	2,662.48	24.74	10.55	12.09	924.56	2,356.10	1,489.13	1,465.41	23.72	62.789		
3,600.00	3,270.93	2,805.56	2,761.18	25.94	11.16	12.57	935.57	2,388.07	1,460.58	1,435.86	24.72	59.092		
3,700.00	3,351.57	2,899.93	2,850.50	27.14	11.73	12.99	946.39	2,416.54	1,431.92	1,406.24	25.68	55.755		
3,800.00	3,432.21	2,994.38	2,939.85	28.35	12.30	13.43	957.27	2,445.13	1,403.45	1,376.78	26.66	52.636		
3,900.00	3,512.85	3,078.95	3,019.79	29.56	12.82	13.83	967.04	2,470.97	1,375.35	1,347.74	27.61	49.805		
4,000.00	3,593.49	3,172.51	3,107.97	30.76	13.41	14.28	978.38	2,500.10	1,348.03	1,319.41	28.62	47.096		
4,100.00	3,674.13	3,276.81	3,206.42	31.97	14.07	14.81	990.74	2,532.24	1,320.43	1,290.73	29.70	44.462		
4,200.00	3,754.77	3,382.50	3,306.48	33.19	14.73	15.42	1,002.04	2,564.32	1,292.19	1,261.39	30.80	41.952		
4,300.00	3,835.41	3,470.98	3,390.30	34.40	15.29	15.94	1,011.84	2,590.91	1,263.87	1,232.02	31.85	39.685		
4,400.00	3,916.05	3,564.87	3,479.08	35.62	15.89	16.48	1,022.96	2,619.37	1,236.07	1,203.14	32.93	37.532		
4,500.00	3,996.69	3,677.36	3,585.66	36.83	16.60	17.16	1,036.20	2,652.83	1,207.83	1,173.71	34.12	35.401		
4,600.00	4,077.33	3,766.13	3,669.94	38.05	17.16	17.75	1,046.07	2,678.89	1,179.18	1,143.95	35.24	33.466		
4,700.00	4,157.96	3,867.88	3,766.55	39.27	17.80	18.45	1,057.48	2,708.73	1,150.66	1,114.23	36.43	31.585		
4,800.00	4,238.60	3,959.53	3,853.61	40.49	18.38	19.12	1,067.67	2,735.47	1,122.13	1,084.51	37.62	29.829		
4,900.00	4,319.24	4,045.18	3,934.85	41.71	18.93	19.78	1,076.99	2,760.96	1,094.29	1,055.47	38.82	28.189		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ BURY CRANDELL 21-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 122-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	4,399.88	4,154.85	4,038.83	42.93	19.64	20.61	1,090.26	2,793.21	1,066.48	1,026.34	40.13	26.573		
5,100.00	4,480.52	4,258.61	4,137.57	44.15	20.29	21.40	1,103.12	2,822.34	1,037.54	996.09	41.45	25.031		
5,200.00	4,561.16	4,345.36	4,220.21	45.37	20.84	22.19	1,112.52	2,847.01	1,008.92	966.15	42.78	23.585		
5,300.00	4,641.80	4,440.53	4,310.77	46.59	21.44	23.10	1,122.78	2,874.42	980.90	936.71	44.19	22.199		
5,400.00	4,722.44	4,540.29	4,405.80	47.82	22.07	24.09	1,133.94	2,902.63	952.64	906.98	45.66	20.864		
5,500.00	4,803.08	4,623.36	4,484.65	49.04	22.60	24.87	1,144.59	2,926.48	925.19	878.09	47.10	19.643		
5,600.00	4,883.72	4,735.52	4,591.23	50.27	23.32	25.98	1,159.14	2,958.23	897.58	848.90	48.69	18.436		
5,700.00	4,964.36	4,839.11	4,690.32	51.49	23.96	27.21	1,170.66	2,986.13	868.76	818.41	50.35	17.253		
5,800.00	5,045.00	4,942.91	4,790.02	52.71	24.57	28.69	1,179.89	3,013.53	839.74	787.57	52.17	16.096		
5,900.00	5,125.64	5,052.62	4,896.06	53.94	25.20	30.45	1,188.82	3,040.20	809.09	754.97	54.12	14.951		
6,000.00	5,206.28	5,172.12	5,012.17	55.17	25.84	32.56	1,198.38	3,066.77	777.19	721.01	56.17	13.836		
6,100.00	5,286.92	5,296.36	5,134.22	56.39	26.43	35.25	1,205.55	3,088.76	741.69	683.28	58.41	12.698		
6,200.00	5,367.56	5,401.62	5,238.22	57.62	26.88	37.95	1,210.20	3,104.29	704.68	643.79	60.89	11.573		
6,300.00	5,448.20	5,520.31	5,356.14	58.84	27.33	41.53	1,214.62	3,116.88	665.18	601.63	63.55	10.467		
6,400.00	5,528.84	5,629.40	5,464.99	60.07	27.68	45.59	1,216.54	3,123.83	624.07	557.45	66.62	9.368		
6,500.00	5,609.47	5,726.98	5,562.53	61.30	27.96	49.94	1,217.19	3,126.32	582.17	511.98	70.19	8.294		
6,600.00	5,690.11	5,812.72	5,648.26	62.53	28.18	54.32	1,217.77	3,127.07	541.76	467.49	74.27	7.294		
6,700.00	5,770.75	5,893.20	5,728.74	63.75	28.39	58.92	1,218.46	3,127.59	504.64	425.87	78.77	6.406		
6,800.00	5,851.39	5,973.46	5,808.99	64.98	28.61	64.00	1,219.14	3,128.44	472.13	388.61	83.52	5.653		
6,900.00	5,932.03	6,055.88	5,891.41	66.21	28.83	69.68	1,220.08	3,129.41	444.77	356.49	88.28	5.038		
7,000.00	6,012.67	6,138.20	5,973.71	67.44	29.05	75.82	1,221.06	3,130.19	423.44	330.67	92.77	4.564		
7,100.00	6,093.31	6,220.30	6,055.81	68.66	29.27	82.35	1,222.00	3,130.70	409.15	312.59	96.56	4.237		
7,200.00	6,173.95	6,301.22	6,136.72	69.89	29.49	89.03	1,222.83	3,130.97	402.82	303.59	99.23	4.059		
7,224.34	6,193.58	6,320.84	6,156.34	70.19	29.54	90.66	1,223.01	3,131.01	402.57	302.90	99.67	4.039 CC, ES		
7,300.00	6,254.59	6,379.99	6,215.49	71.12	29.70	95.60	1,223.35	3,131.11	405.17	304.71	100.46	4.033 SF		
7,400.00	6,335.23	6,460.60	6,296.10	72.35	29.91	102.20	1,223.46	3,131.27	416.31	316.05	100.26	4.152		
7,500.00	6,415.87	6,542.14	6,377.63	73.58	30.13	108.53	1,223.85	3,131.60	434.95	336.04	98.91	4.397		
7,600.00	6,496.51	6,622.35	6,457.84	74.81	30.35	114.29	1,224.13	3,132.48	460.46	363.64	96.82	4.756		
7,700.00	6,577.15	6,703.49	6,538.98	76.04	30.57	119.64	1,224.35	3,133.12	491.67	397.31	94.36	5.211		
7,800.00	6,657.79	6,787.39	6,622.87	77.27	30.81	124.65	1,224.82	3,133.69	527.32	435.48	91.85	5.741		
7,900.00	6,738.43	6,872.09	6,707.57	78.50	31.05	129.16	1,225.76	3,134.43	566.29	476.82	89.47	6.329		
8,000.00	6,819.07	6,951.93	6,787.40	79.73	31.27	132.97	1,226.89	3,134.99	608.14	520.94	87.20	6.974		
8,100.00	6,899.71	7,030.10	6,865.56	80.96	31.49	136.32	1,227.76	3,135.24	652.84	567.70	85.15	7.667		
8,200.00	6,980.35	7,111.34	6,946.80	82.18	31.71	139.46	1,228.53	3,135.06	699.89	616.50	83.40	8.392		
8,240.58	7,013.07	7,146.27	6,981.72	82.68	31.81	140.70	1,229.00	3,134.96	719.38	636.58	82.80	8.689		
8,250.00	7,020.68	7,154.41	6,989.86	82.80	31.83	139.56	1,229.13	3,134.93	723.87	641.21	82.66	8.757		
8,300.00	7,061.63	7,195.85	7,031.29	83.40	31.94	133.15	1,229.82	3,134.81	745.84	664.00	81.84	9.113		
8,350.00	7,103.23	7,236.92	7,072.36	83.97	32.06	126.33	1,230.49	3,134.69	764.80	683.89	80.92	9.452		
8,400.00	7,145.18	7,278.36	7,113.80	84.51	32.17	119.36	1,231.13	3,134.56	780.77	700.86	79.91	9.770		
8,450.00	7,187.16	7,319.97	7,155.40	85.01	32.29	112.56	1,231.72	3,134.49	793.78	714.95	78.83	10.069		
8,500.00	7,228.84	7,361.32	7,196.74	85.46	32.40	106.23	1,232.24	3,134.47	803.90	726.23	77.67	10.350		
8,550.00	7,269.91	7,401.61	7,237.04	85.86	32.52	100.61	1,232.69	3,134.50	811.24	734.83	76.42	10.616		
8,600.00	7,310.05	7,441.12	7,276.54	86.20	32.63	95.88	1,233.06	3,134.56	815.95	740.86	75.09	10.866		
8,650.00	7,348.97	7,477.57	7,313.00	86.50	32.73	92.00	1,233.32	3,134.64	818.23	744.57	73.65	11.109		
8,700.00	7,386.36	7,512.34	7,347.76	86.74	32.82	89.01	1,233.42	3,134.70	818.32	746.17	72.16	11.341		
8,750.00	7,421.94	7,545.66	7,381.08	86.93	32.92	86.84	1,233.37	3,134.76	816.45	745.81	70.64	11.558		
8,800.00	7,455.44	7,577.98	7,413.40	87.07	33.00	85.45	1,233.24	3,134.79	812.80	743.66	69.14	11.755		
8,850.00	7,486.61	7,608.10	7,443.52	87.16	33.08	84.69	1,233.09	3,134.79	807.63	739.94	67.70	11.930		
8,900.00	7,515.20	7,635.81	7,471.23	87.20	33.15	84.44	1,232.92	3,134.77	801.23	734.86	66.36	12.073		
8,950.00	7,541.00	7,661.80	7,497.22	87.21	33.22	84.67	1,232.73	3,134.74	793.86	728.62	65.24	12.167		
9,000.00	7,563.81	7,684.96	7,520.38	87.17	33.28	85.20	1,232.54	3,134.72	785.83	721.43	64.40	12.203		
9,050.00	7,583.47	7,705.06	7,540.47	87.10	33.33	85.95	1,232.36	3,134.72	777.44	713.53	63.91	12.164		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ BURY CRANDELL 21-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 122-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,100.00	7,599.81	7,721.92	7,557.34	87.00	33.38	86.82	1,232.19	3,134.73	768.99	705.11	63.88	12.038		
9,150.00	7,612.72	7,735.59	7,571.00	86.88	33.41	87.73	1,232.05	3,134.73	760.77	696.40	64.37	11.819		
9,200.00	7,622.09	7,746.06	7,581.47	86.72	33.44	88.63	1,231.94	3,134.75	753.03	687.60	65.42	11.510		
9,250.00	7,627.87	7,752.71	7,588.13	86.55	33.46	89.41	1,231.87	3,134.76	745.98	678.96	67.01	11.132		
9,303.98	7,630.00	7,755.56	7,590.98	86.35	33.47	90.08	1,231.84	3,134.77	739.35	670.07	69.28	10.672		
9,387.09	7,630.00	7,756.46	7,591.87	86.03	33.47	90.15	1,231.84	3,134.77	734.67	660.98	73.69	9.970		
9,400.00	7,630.00	7,756.60	7,592.01	85.99	33.47	90.16	1,231.83	3,134.77	734.78	660.34	74.44	9.871		
9,500.00	7,630.00	7,757.68	7,593.09	85.62	33.47	90.24	1,231.82	3,134.77	743.29	662.64	80.65	9.216		
9,600.00	7,630.00	7,758.75	7,594.17	85.28	33.47	90.33	1,231.81	3,134.78	764.89	678.02	86.88	8.804		
9,700.00	7,630.00	7,759.83	7,595.24	84.95	33.48	90.41	1,231.80	3,134.78	798.52	705.99	92.53	8.630		
9,800.00	7,630.00	7,760.90	7,596.31	84.64	33.48	90.49	1,231.79	3,134.78	842.74	745.42	97.32	8.659		
9,900.00	7,630.00	7,761.97	7,597.38	84.34	33.48	90.58	1,231.78	3,134.79	895.98	794.80	101.18	8.855		
10,000.00	7,630.00	7,763.04	7,598.45	84.06	33.49	90.66	1,231.77	3,134.79	956.74	852.55	104.19	9.182		
10,100.00	7,630.00	7,764.10	7,599.52	83.80	33.49	90.74	1,231.76	3,134.79	1,023.68	917.19	106.49	9.613		
10,200.00	7,630.00	7,765.17	7,600.58	83.56	33.49	90.83	1,231.75	3,134.80	1,095.67	987.46	108.21	10.125		
10,300.00	7,630.00	7,766.23	7,601.64	83.33	33.50	90.91	1,231.74	3,134.80	1,171.77	1,062.28	109.49	10.702		
10,400.00	7,630.00	7,767.29	7,602.70	83.12	33.50	90.99	1,231.73	3,134.80	1,251.25	1,140.82	110.43	11.331		
10,500.00	7,630.00	7,768.34	7,603.76	82.92	33.50	91.07	1,231.71	3,134.81	1,333.48	1,222.37	111.11	12.002		
10,600.00	7,630.00	7,769.40	7,604.81	82.75	33.50	91.16	1,231.70	3,134.81	1,418.00	1,306.40	111.60	12.706		
10,700.00	7,630.00	7,770.45	7,605.87	82.59	33.51	91.24	1,231.69	3,134.81	1,504.42	1,392.48	111.94	13.439		
10,800.00	7,630.00	7,771.50	7,606.92	82.45	33.51	91.32	1,231.68	3,134.82	1,592.43	1,480.26	112.18	14.196		
10,900.00	7,630.00	7,772.55	7,607.97	82.33	33.51	91.40	1,231.67	3,134.82	1,681.78	1,569.45	112.33	14.972		
11,000.00	7,630.00	7,773.60	7,609.01	82.22	33.51	91.48	1,231.66	3,134.83	1,772.27	1,659.85	112.42	15.765		
11,100.00	7,630.00	7,774.64	7,610.06	82.14	33.52	91.56	1,231.65	3,134.83	1,863.73	1,751.26	112.46	16.572		
11,200.00	7,630.00	7,775.68	7,611.10	82.08	33.52	91.65	1,231.64	3,134.83	1,956.02	1,843.55	112.48	17.391		
11,300.00	7,630.00	7,776.72	7,612.14	82.04	33.52	91.73	1,231.63	3,134.84	2,049.04	1,936.58	112.46	18.220		
11,400.00	7,630.00	7,777.76	7,613.18	82.02	33.53	91.81	1,231.62	3,134.84	2,142.69	2,030.26	112.42	19.059		
11,500.00	7,630.00	7,778.80	7,614.21	82.03	33.53	91.89	1,231.61	3,134.85	2,236.88	2,124.51	112.37	19.906		
11,600.00	7,630.00	7,779.83	7,615.25	82.06	33.53	91.97	1,231.60	3,134.85	2,331.56	2,219.25	112.31	20.759		
11,700.00	7,630.00	7,780.87	7,616.28	82.12	33.53	92.05	1,231.59	3,134.85	2,426.67	2,314.42	112.25	21.619		
11,800.00	7,630.00	7,781.90	7,617.31	82.21	33.54	92.13	1,231.58	3,134.86	2,522.15	2,409.98	112.18	22.484		
11,900.00	7,630.00	7,782.92	7,618.34	82.33	33.54	92.21	1,231.57	3,134.86	2,617.97	2,505.87	112.10	23.354		
12,000.00	7,630.00	7,783.95	7,619.36	82.48	33.54	92.29	1,231.56	3,134.87	2,714.10	2,602.07	112.02	24.228		
12,100.00	7,630.00	7,784.97	7,620.39	82.66	33.55	92.37	1,231.55	3,134.87	2,810.49	2,698.54	111.94	25.106		
12,200.00	7,630.00	7,786.00	7,621.41	82.88	33.55	92.45	1,231.54	3,134.88	2,907.12	2,795.26	111.87	25.988		
12,300.00	7,630.00	7,787.02	7,622.43	83.14	33.55	92.53	1,231.53	3,134.88	3,003.98	2,892.19	111.79	26.872		
12,400.00	7,630.00	7,788.04	7,623.45	83.44	33.55	92.61	1,231.52	3,134.89	3,101.03	2,989.32	111.71	27.759		
12,500.00	7,630.00	7,789.05	7,624.47	83.79	33.56	92.69	1,231.51	3,134.89	3,198.27	3,086.63	111.64	28.649		
12,600.00	7,630.00	7,790.07	7,625.48	84.18	33.56	92.77	1,231.50	3,134.90	3,295.67	3,184.11	111.56	29.541		
12,700.00	7,630.00	7,791.08	7,626.49	84.61	33.56	92.84	1,231.49	3,134.90	3,393.22	3,281.73	111.49	30.435		
12,800.00	7,630.00	7,792.09	7,627.50	85.10	33.56	92.92	1,231.48	3,134.91	3,490.91	3,379.49	111.42	31.331		
12,900.00	7,630.00	7,793.10	7,628.51	85.64	33.57	93.00	1,231.47	3,134.91	3,588.73	3,477.38	111.35	32.228		
13,000.00	7,630.00	7,794.10	7,629.52	86.22	33.57	93.08	1,231.46	3,134.92	3,686.66	3,575.38	111.29	33.127		
13,100.00	7,630.00	7,795.11	7,630.52	86.86	33.57	93.16	1,231.45	3,134.92	3,784.70	3,673.48	111.22	34.028		
13,200.00	7,630.00	7,796.11	7,631.52	87.56	33.58	93.24	1,231.44	3,134.93	3,882.85	3,771.68	111.16	34.929		
13,300.00	7,630.00	7,797.11	7,632.52	88.30	33.58	93.31	1,231.43	3,134.93	3,981.08	3,869.98	111.10	35.832		
13,400.00	7,630.00	7,798.11	7,633.52	89.10	33.58	93.39	1,231.42	3,134.94	4,079.40	3,968.35	111.05	36.736		
13,500.00	7,630.00	7,799.11	7,634.52	89.94	33.58	93.47	1,231.41	3,134.95	4,177.80	4,066.80	110.99	37.640		
13,600.00	7,630.00	7,800.10	7,635.51	90.84	33.59	93.55	1,231.40	3,134.95	4,276.27	4,165.33	110.94	38.545		
13,700.00	7,630.00	7,801.09	7,636.51	91.78	33.59	93.62	1,231.39	3,134.96	4,374.81	4,263.92	110.89	39.451		
13,800.00	7,630.00	7,802.09	7,637.50	92.77	33.59	93.70	1,231.38	3,134.96	4,473.42	4,362.58	110.84	40.358		
13,900.00	7,630.00	7,803.07	7,638.49	93.79	33.59	93.78	1,231.37	3,134.97	4,572.09	4,461.29	110.80	41.265		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ BURY CRANDELL 21-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 122-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,000.00	7,630.00	7,804.06	7,639.47	94.86	33.60	93.85	1,231.36	3,134.97	4,670.81	4,560.06	110.75	42.173		
14,100.00	7,630.00	7,805.05	7,640.46	95.97	33.60	93.93	1,231.35	3,134.98	4,769.58	4,658.87	110.71	43.081		
14,200.00	7,630.00	7,806.03	7,641.44	97.11	33.60	94.01	1,231.34	3,134.99	4,868.41	4,757.74	110.67	43.990		
14,300.00	7,630.00	7,807.01	7,642.42	98.28	33.60	94.08	1,231.33	3,134.99	4,967.28	4,856.65	110.63	44.899		
14,400.00	7,630.00	7,807.99	7,643.40	99.48	33.61	94.16	1,231.32	3,135.00	5,066.20	4,955.60	110.60	45.808		
14,500.00	7,630.00	7,808.97	7,644.38	100.72	33.61	94.23	1,231.31	3,135.01	5,165.16	5,054.60	110.56	46.718		
14,600.00	7,630.00	7,809.95	7,645.36	101.97	33.61	94.31	1,231.30	3,135.01	5,264.16	5,153.63	110.53	47.627		
14,700.00	7,630.00	7,810.92	7,646.33	103.26	33.62	94.39	1,231.29	3,135.02	5,363.19	5,252.69	110.50	48.537		
14,800.00	7,630.00	7,811.89	7,647.30	104.56	33.62	94.46	1,231.28	3,135.02	5,462.26	5,351.79	110.47	49.447		
14,900.00	7,630.00	7,812.86	7,648.27	105.89	33.62	94.54	1,231.27	3,135.03	5,561.36	5,450.93	110.44	50.357		
15,000.00	7,630.00	7,813.83	7,649.24	107.24	33.62	94.61	1,231.26	3,135.04	5,660.50	5,550.09	110.41	51.267		
15,100.00	7,630.00	7,814.80	7,650.21	108.60	33.63	94.69	1,231.26	3,135.04	5,759.66	5,649.28	110.39	52.177		
15,200.00	7,630.00	7,815.76	7,651.17	109.98	33.63	94.76	1,231.25	3,135.05	5,858.85	5,748.49	110.36	53.087		
15,300.00	7,630.00	7,816.72	7,652.14	111.38	33.63	94.84	1,231.24	3,135.06	5,958.07	5,847.73	110.34	53.997		
15,400.00	7,630.00	7,817.69	7,653.10	112.79	33.63	94.91	1,231.23	3,135.06	6,057.32	5,947.00	110.32	54.907		
15,500.00	7,630.00	7,818.65	7,654.06	114.22	33.64	94.99	1,231.22	3,135.07	6,156.59	6,046.29	110.30	55.817		
15,600.00	7,630.00	7,819.60	7,655.01	115.66	33.64	95.06	1,231.21	3,135.08	6,255.88	6,145.60	110.28	56.727		
15,700.00	7,630.00	7,820.56	7,655.97	117.11	33.64	95.13	1,231.20	3,135.08	6,355.19	6,244.93	110.26	57.637		
15,800.00	7,630.00	7,821.51	7,656.92	118.57	33.64	95.21	1,231.19	3,135.09	6,454.53	6,344.28	110.25	58.546		
15,900.00	7,630.00	7,822.46	7,657.88	120.05	33.65	95.28	1,231.18	3,135.10	6,553.88	6,443.65	110.23	59.455		
16,000.00	7,630.00	7,823.41	7,658.83	121.53	33.65	95.35	1,231.17	3,135.11	6,653.26	6,543.04	110.22	60.364		
16,100.00	7,630.00	7,824.36	7,659.77	123.03	33.65	95.43	1,231.16	3,135.11	6,752.65	6,642.44	110.21	61.273		
16,200.00	7,630.00	7,825.31	7,660.72	124.53	33.65	95.50	1,231.15	3,135.12	6,852.06	6,741.86	110.20	62.181		
16,300.00	7,630.00	7,826.26	7,661.67	126.04	33.66	95.57	1,231.14	3,135.13	6,951.49	6,841.30	110.18	63.089		
16,400.00	7,630.00	7,827.20	7,662.61	127.56	33.66	95.65	1,231.14	3,135.13	7,050.93	6,940.75	110.18	63.997		
16,500.00	7,630.00	7,828.14	7,663.55	129.09	33.66	95.72	1,231.13	3,135.14	7,150.39	7,040.22	110.17	64.905		
16,600.00	7,630.00	7,829.08	7,664.49	130.62	33.66	95.79	1,231.12	3,135.15	7,249.86	7,139.70	110.16	65.812		
16,700.00	7,630.00	7,830.02	7,665.43	132.16	33.67	95.87	1,231.11	3,135.16	7,349.35	7,239.19	110.15	66.719		
16,800.00	7,630.00	7,830.95	7,666.36	133.71	33.67	95.94	1,231.10	3,135.16	7,448.85	7,338.70	110.15	67.625		
16,900.00	7,630.00	7,831.89	7,667.30	135.27	33.67	96.01	1,231.09	3,135.17	7,548.36	7,438.22	110.14	68.531		
17,000.00	7,630.00	7,832.82	7,668.23	136.83	33.67	96.08	1,231.08	3,135.18	7,647.89	7,537.75	110.14	69.437		
17,100.00	7,630.00	7,825.00	7,660.41	138.39	33.65	95.48	1,231.16	3,135.12	7,747.43	7,637.30	110.13	70.348		
17,200.00	7,630.00	7,825.00	7,660.41	139.97	33.65	95.48	1,231.16	3,135.12	7,846.99	7,736.86	110.13	71.254		
17,300.00	7,630.00	7,825.00	7,660.41	141.54	33.65	95.48	1,231.16	3,135.12	7,946.55	7,836.42	110.13	72.159		
17,400.00	7,630.00	7,825.00	7,660.41	143.12	33.65	95.48	1,231.16	3,135.12	8,046.12	7,936.00	110.13	73.063		
17,500.00	7,630.00	7,825.00	7,660.41	144.71	33.65	95.48	1,231.16	3,135.12	8,145.71	8,035.58	110.13	73.968		
17,600.00	7,630.00	7,825.00	7,660.41	146.30	33.65	95.48	1,231.16	3,135.12	8,245.30	8,135.17	110.13	74.871		
17,700.00	7,630.00	7,825.00	7,660.41	147.90	33.65	95.48	1,231.16	3,135.12	8,344.90	8,234.78	110.13	75.775		
17,800.00	7,630.00	7,825.00	7,660.41	149.50	33.65	95.48	1,231.16	3,135.12	8,444.52	8,334.39	110.13	76.677		
17,900.00	7,630.00	7,825.00	7,660.41	151.10	33.65	95.48	1,231.16	3,135.12	8,544.14	8,434.01	110.13	77.580		
18,000.00	7,630.00	7,825.00	7,660.41	152.71	33.65	95.48	1,231.16	3,135.12	8,643.77	8,533.63	110.14	78.481		
18,100.00	7,630.00	7,825.00	7,660.41	154.32	33.65	95.48	1,231.16	3,135.12	8,743.41	8,633.27	110.14	79.383		
18,200.00	7,630.00	7,825.00	7,660.41	155.94	33.65	95.48	1,231.16	3,135.12	8,843.06	8,732.91	110.15	80.283		
18,300.00	7,630.00	7,825.00	7,660.41	157.56	33.65	95.48	1,231.16	3,135.12	8,942.71	8,832.56	110.15	81.183		
18,400.00	7,630.00	7,825.00	7,660.41	159.18	33.65	95.48	1,231.16	3,135.12	9,042.38	8,932.21	110.16	82.083		
18,500.00	7,630.00	7,825.00	7,660.41	160.80	33.65	95.48	1,231.16	3,135.12	9,142.05	9,031.88	110.17	82.982		
18,600.00	7,630.00	7,825.00	7,660.41	162.43	33.65	95.48	1,231.16	3,135.12	9,241.72	9,131.55	110.18	83.880		
18,700.00	7,630.00	7,825.00	7,660.41	164.06	33.65	95.48	1,231.16	3,135.12	9,341.41	9,231.22	110.19	84.778		
18,800.00	7,630.00	7,825.00	7,660.41	165.70	33.65	95.48	1,231.16	3,135.12	9,441.10	9,330.90	110.20	85.675		
18,900.00	7,630.00	7,825.00	7,660.41	167.33	33.65	95.48	1,231.16	3,135.12	9,540.80	9,430.59	110.21	86.571		
19,000.00	7,630.00	7,825.00	7,660.41	168.97	33.65	95.48	1,231.16	3,135.12	9,640.50	9,530.28	110.22	87.467		
19,021.79	7,630.00	7,825.00	7,660.41	169.33	33.65	95.48	1,231.16	3,135.12	9,662.23	9,552.00	110.22	87.662		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ BURY CRANDELL 22-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 91-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	70.23	754.16	2,098.56	2,230.33					
100.00	100.00	80.27	80.27	0.13	0.13	70.24	753.84	2,098.26	2,229.67	2,229.41	0.26	8,533.877		
200.00	200.00	167.04	167.04	0.49	0.41	70.24	753.41	2,097.72	2,228.93	2,228.03	0.90	2,466.679		
300.00	300.00	275.84	275.83	0.85	0.80	70.23	753.71	2,097.09	2,228.49	2,226.84	1.65	1,352.542		
400.00	400.00	382.08	382.07	1.21	1.18	70.22	753.64	2,096.18	2,227.66	2,225.28	2.38	934.207		
500.00	500.00	538.83	538.75	1.57	1.73	70.30	749.71	2,094.14	2,225.72	2,222.43	3.30	674.638		
600.00	600.00	662.65	662.23	1.93	2.19	70.48	741.25	2,091.40	2,221.28	2,217.17	4.10	541.297		
700.00	700.00	742.39	741.54	2.29	2.48	70.68	732.97	2,090.79	2,217.09	2,212.33	4.75	466.274		
800.00	799.98	821.16	819.62	2.64	2.79	9.17	722.73	2,091.68	2,212.13	2,206.72	5.41	408.938		
900.00	899.84	876.96	874.76	2.99	3.01	9.43	714.37	2,093.50	2,205.20	2,199.22	5.98	368.496		
1,000.00	999.45	920.00	917.20	3.35	3.18	9.66	707.58	2,095.86	2,196.99	2,190.48	6.51	337.587		
1,100.00	1,098.70	990.90	986.85	3.73	3.48	10.08	695.54	2,101.39	2,187.20	2,180.04	7.16	305.402		
1,200.00	1,197.47	1,043.51	1,038.28	4.11	3.70	10.44	685.90	2,106.82	2,176.05	2,168.31	7.74	281.151		
1,300.00	1,295.62	1,109.00	1,102.01	4.53	3.99	10.93	673.54	2,115.45	2,163.96	2,155.57	8.39	257.818		
1,400.00	1,393.06	1,148.54	1,140.35	4.97	4.18	11.27	666.02	2,121.50	2,150.50	2,141.57	8.93	240.829		
1,500.00	1,489.64	1,214.54	1,204.28	5.44	4.48	11.82	653.77	2,132.40	2,135.63	2,126.03	9.60	222.423		
1,600.00	1,585.27	1,279.00	1,266.78	5.95	4.79	12.38	642.57	2,143.51	2,118.80	2,108.53	10.27	206.242		
1,700.00	1,679.82	1,351.39	1,336.88	6.51	5.14	13.02	630.33	2,156.80	2,100.11	2,089.11	11.00	190.952		
1,800.00	1,773.17	1,420.41	1,403.42	7.13	5.49	13.70	618.26	2,170.59	2,079.75	2,068.03	11.72	177.461		
1,900.00	1,865.21	1,501.74	1,481.44	7.79	5.92	14.57	603.10	2,187.85	2,057.43	2,044.90	12.53	164.169		
2,000.00	1,955.84	1,596.07	1,571.80	8.51	6.44	15.64	584.90	2,207.89	2,032.26	2,018.82	13.44	151.183		
2,100.00	2,044.94	1,684.63	1,656.63	9.30	6.94	16.74	567.91	2,226.81	2,004.54	1,990.20	14.34	139.790		
2,200.00	2,132.39	1,775.79	1,744.05	10.15	7.46	17.95	550.55	2,245.99	1,973.96	1,958.69	15.27	129.254		
2,300.00	2,218.11	1,847.74	1,813.00	11.07	7.87	19.02	537.05	2,261.47	1,941.32	1,925.20	16.12	120.459		
2,400.00	2,301.97	1,959.44	1,920.21	12.06	8.52	20.68	516.29	2,284.93	1,905.81	1,888.59	17.22	110.703		
2,500.00	2,383.88	2,034.03	1,991.85	13.11	8.95	22.00	502.43	2,300.42	1,867.85	1,849.72	18.13	103.005		
2,512.74	2,394.17	2,042.68	2,000.15	13.25	9.00	22.17	500.82	2,302.25	1,862.89	1,844.64	18.25	102.070		
2,600.00	2,464.54	2,102.04	2,057.06	14.22	9.35	23.03	489.74	2,315.00	1,829.42	1,810.37	19.05	96.042		
2,700.00	2,545.18	2,199.72	2,150.52	15.35	9.93	24.51	470.91	2,336.25	1,792.14	1,771.96	20.18	88.820		
2,800.00	2,625.82	2,293.04	2,239.79	16.50	10.50	26.02	451.80	2,355.60	1,754.89	1,733.56	21.33	82.285		
2,900.00	2,706.45	2,366.39	2,310.01	17.65	10.94	27.23	436.99	2,370.74	1,718.67	1,696.28	22.39	76.757		
3,000.00	2,787.09	2,441.89	2,382.32	18.82	11.40	28.50	422.50	2,386.91	1,684.18	1,660.68	23.50	71.659		
3,100.00	2,867.73	2,530.23	2,466.93	19.99	11.94	30.03	405.39	2,405.68	1,650.74	1,626.00	24.74	66.731		
3,200.00	2,948.37	2,611.54	2,544.68	21.17	12.43	31.51	388.90	2,422.86	1,618.50	1,592.52	25.98	62.303		
3,300.00	3,029.01	2,694.87	2,624.37	22.36	12.95	33.07	372.11	2,440.49	1,587.63	1,560.36	27.28	58.203		
3,400.00	3,109.65	2,776.45	2,702.51	23.55	13.44	34.62	356.29	2,457.82	1,558.20	1,529.60	28.60	54.479		
3,500.00	3,190.29	2,862.44	2,784.90	24.74	13.97	36.29	339.88	2,476.11	1,530.20	1,500.20	30.00	51.005		
3,600.00	3,270.93	2,969.31	2,887.45	25.94	14.61	38.44	319.18	2,497.96	1,503.16	1,471.56	31.60	47.569		
3,700.00	3,351.57	3,038.53	2,953.98	27.14	15.03	39.87	305.86	2,511.67	1,477.20	1,444.23	32.98	44.796		
3,800.00	3,432.21	3,112.17	3,024.63	28.35	15.48	41.41	292.06	2,527.17	1,453.86	1,419.44	34.42	42.236		
3,900.00	3,512.85	3,198.42	3,107.29	29.56	16.00	43.28	275.23	2,545.18	1,432.37	1,396.36	36.01	39.773		
4,000.00	3,593.49	3,287.06	3,192.38	30.76	16.54	45.22	258.53	2,563.53	1,412.45	1,374.79	37.66	37.501		
4,100.00	3,674.13	3,370.35	3,272.41	31.97	17.04	47.07	243.06	2,580.68	1,394.32	1,355.01	39.31	35.469		
4,200.00	3,754.77	3,450.66	3,349.54	33.19	17.53	48.89	228.11	2,597.30	1,378.30	1,337.33	40.97	33.642		
4,300.00	3,835.41	3,525.58	3,421.38	34.40	17.99	50.63	213.63	2,612.85	1,364.69	1,322.07	42.62	32.019		
4,400.00	3,916.05	3,604.96	3,497.35	35.62	18.48	52.51	197.63	2,629.40	1,353.69	1,309.34	44.35	30.525		
4,500.00	3,996.69	3,697.45	3,585.97	36.83	19.04	54.70	179.79	2,648.97	1,344.84	1,298.62	46.22	29.098		
4,600.00	4,077.33	3,776.56	3,661.93	38.05	19.53	56.57	165.26	2,665.58	1,337.72	1,289.74	47.98	27.883		
4,700.00	4,157.96	3,852.38	3,734.52	39.27	19.99	58.38	150.52	2,681.79	1,333.65	1,283.93	49.72	26.823		
4,800.00	4,238.60	3,942.25	3,820.65	40.49	20.55	60.56	132.93	2,700.46	1,331.56	1,279.93	51.63	25.789		
4,830.48	4,263.18	3,963.93	3,841.43	40.86	20.68	61.08	128.73	2,705.01	1,331.42	1,279.27	52.16	25.528		
4,900.00	4,319.24	4,013.72	3,889.09	41.71	20.99	62.28	119.12	2,715.75	1,332.16	1,278.81	53.35	24.972		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

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<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ BURY CRANDELL 22-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 91-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	4,399.88	4,103.34	3,974.86	42.93	21.55	64.42	101.71	2,735.05	1,335.24	1,279.97	55.27	24.159		
5,100.00	4,480.52	4,213.99	4,081.13	44.15	22.22	67.04	81.50	2,758.30	1,339.62	1,282.19	57.43	23.326		
5,200.00	4,561.16	4,282.16	4,146.66	45.37	22.63	68.63	69.46	2,772.73	1,345.93	1,286.83	59.10	22.774		
5,300.00	4,641.80	4,359.92	4,221.29	46.59	23.11	70.46	54.97	2,789.06	1,355.02	1,294.15	60.87	22.261		
5,400.00	4,722.44	4,431.05	4,289.48	47.82	23.55	72.13	41.07	2,803.76	1,366.74	1,304.20	62.54	21.853		
5,500.00	4,803.08	4,498.88	4,354.26	49.04	23.97	73.69	27.66	2,818.76	1,381.55	1,317.41	64.14	21.540		
5,600.00	4,883.72	4,569.45	4,421.48	50.27	24.43	75.30	12.94	2,834.37	1,399.22	1,333.47	65.74	21.283		
5,700.00	4,964.36	4,638.09	4,486.71	51.49	24.88	76.86	-2.17	2,849.46	1,419.69	1,352.40	67.29	21.099		
5,800.00	5,045.00	5,800.00	4,587.03	52.71	32.34	79.19	-24.69	2,872.67	1,441.64	1,367.72	73.92	19.503		
5,900.00	5,125.64	4,867.23	4,705.73	53.94	26.32	81.86	-48.67	2,898.02	1,463.14	1,391.51	71.63	20.427		
6,000.00	5,206.28	4,994.91	4,829.11	55.17	27.05	84.58	-71.80	2,921.36	1,484.97	1,411.10	73.88	20.101		
6,100.00	5,286.92	5,140.85	4,971.52	56.39	27.82	87.65	-94.03	2,944.14	1,505.36	1,429.13	76.22	19.749		
6,200.00	5,367.56	5,352.13	5,180.26	57.62	28.73	92.02	-114.37	2,969.06	1,521.42	1,442.53	78.88	19.287		
6,300.00	5,448.20	5,505.69	5,333.27	58.84	29.25	95.27	-122.90	2,978.52	1,535.24	1,454.48	80.76	19.009		
6,400.00	5,528.84	5,636.29	5,463.78	60.07	29.61	98.08	-125.85	2,982.08	1,547.43	1,465.06	82.37	18.786		
6,500.00	5,609.47	5,735.13	5,562.61	61.30	29.87	100.19	-126.39	2,983.44	1,560.11	1,476.33	83.79	18.620		
6,600.00	5,690.11	5,822.90	5,650.38	62.53	30.08	102.05	-126.34	2,983.89	1,574.24	1,489.14	85.10	18.500		
6,700.00	5,770.75	5,898.11	5,725.58	63.75	30.25	103.64	-126.40	2,983.93	1,590.44	1,504.14	86.30	18.429		
6,800.00	5,851.39	5,988.33	5,815.80	64.98	30.46	105.52	-126.38	2,984.05	1,608.59	1,521.13	87.46	18.392		
6,900.00	5,932.03	6,071.25	5,898.73	66.21	30.65	107.22	-125.99	2,984.16	1,628.32	1,539.80	88.53	18.394		
7,000.00	6,012.67	6,149.27	5,976.74	67.44	30.82	108.80	-125.71	2,983.73	1,649.95	1,560.46	89.50	18.436		
7,100.00	6,093.31	6,229.00	6,056.47	68.66	30.99	110.39	-125.57	2,983.25	1,673.55	1,583.15	90.40	18.513		
7,200.00	6,173.95	6,309.60	6,137.07	69.89	31.17	111.95	-125.33	2,983.17	1,698.83	1,607.59	91.24	18.619		
7,300.00	6,254.59	6,386.92	6,214.39	71.12	31.35	113.42	-125.26	2,983.08	1,725.91	1,633.90	92.01	18.757		
7,400.00	6,335.23	6,475.96	6,303.43	72.35	31.55	115.09	-125.01	2,982.33	1,754.45	1,661.70	92.75	18.916		
7,500.00	6,415.87	6,577.81	6,405.27	73.58	31.78	116.92	-123.76	2,982.48	1,783.70	1,690.21	93.49	19.079		
7,600.00	6,496.51	6,648.61	6,476.05	74.81	31.96	118.14	-122.83	2,983.49	1,814.22	1,720.11	94.11	19.278		
7,700.00	6,577.15	6,723.40	6,550.83	76.04	32.15	119.39	-122.22	2,984.58	1,846.45	1,751.75	94.70	19.498		
7,800.00	6,657.79	6,815.53	6,642.95	77.27	32.39	120.89	-121.54	2,985.96	1,879.96	1,784.64	95.32	19.722		
7,900.00	6,738.43	6,892.08	6,719.46	78.50	32.59	122.08	-120.69	2,988.11	1,914.17	1,818.30	95.86	19.968		
8,000.00	6,819.07	6,956.00	6,783.37	79.73	32.76	123.08	-120.34	2,988.71	1,950.14	1,853.86	96.28	20.255		
8,100.00	6,899.71	7,022.58	6,849.95	80.96	32.93	124.11	-120.38	2,988.64	1,987.83	1,891.18	96.65	20.566		
8,200.00	6,980.35	7,109.02	6,936.39	82.18	33.14	125.42	-120.59	2,988.09	2,026.79	1,929.71	97.08	20.877		
8,240.58	7,013.07	7,145.33	6,972.70	82.68	33.22	125.97	-120.54	2,987.78	2,042.77	1,945.52	97.25	21.005		
8,250.00	7,020.68	7,153.67	6,981.04	82.80	33.24	124.81	-120.51	2,987.71	2,046.43	1,949.14	97.29	21.034		
8,300.00	7,061.63	7,198.51	7,025.88	83.40	33.35	118.34	-120.33	2,987.28	2,063.58	1,966.09	97.49	21.167		
8,350.00	7,103.23	7,246.51	7,073.88	83.97	33.46	111.40	-120.01	2,986.77	2,076.87	1,979.18	97.69	21.259		
8,400.00	7,145.18	7,297.23	7,124.59	84.51	33.58	104.26	-119.43	2,986.15	2,086.16	1,988.27	97.89	21.310		
8,450.00	7,187.16	7,336.27	7,163.63	85.01	33.67	97.01	-118.87	2,985.64	2,091.50	1,993.47	98.02	21.337		
8,500.00	7,228.84	7,368.98	7,196.33	85.46	33.75	90.06	-118.57	2,985.35	2,093.13	1,995.02	98.10	21.336		
8,550.00	7,269.91	7,401.44	7,228.79	85.86	33.83	83.78	-118.45	2,985.19	2,091.09	1,992.93	98.16	21.303		
8,600.00	7,310.05	7,439.63	7,266.97	86.20	33.92	78.42	-118.45	2,985.08	2,085.37	1,987.15	98.22	21.232		
8,650.00	7,348.97	7,478.63	7,305.98	86.50	34.01	74.01	-118.39	2,984.81	2,075.93	1,977.68	98.25	21.129		
8,700.00	7,386.36	7,516.69	7,344.03	86.74	34.11	70.51	-118.28	2,984.41	2,062.87	1,964.63	98.25	20.997		
8,750.00	7,421.94	7,554.66	7,382.01	86.93	34.20	67.90	-118.16	2,984.08	2,046.28	1,948.07	98.21	20.835		
8,800.00	7,455.44	7,590.59	7,417.93	87.07	34.29	66.10	-118.05	2,983.92	2,026.29	1,928.16	98.14	20.647		
8,850.00	7,486.61	7,624.52	7,451.86	87.16	34.37	65.08	-117.94	2,983.86	2,003.08	1,905.05	98.03	20.433		
8,900.00	7,515.20	7,655.66	7,483.00	87.20	34.45	64.79	-117.79	2,983.82	1,976.82	1,878.94	97.88	20.196		
8,950.00	7,541.00	7,683.64	7,510.98	87.21	34.52	64.21	-117.62	2,983.79	1,947.73	1,850.05	97.68	19.939		
9,000.00	7,563.81	7,705.05	7,532.39	87.17	34.58	66.25	-117.48	2,983.78	1,916.05	1,818.62	97.43	19.666		
9,050.00	7,583.47	7,721.88	7,549.22	87.10	34.62	67.96	-117.41	2,983.79	1,882.04	1,784.92	97.12	19.378		
9,100.00	7,599.81	7,735.99	7,563.33	87.00	34.66	70.45	-117.37	2,983.81	1,845.94	1,749.16	96.78	19.073		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ BURY CRANDELL 22-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 91-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,150.00	7,612.72	7,747.22	7,574.56	86.88	34.69	73.78	-117.35	2,983.82	1,807.98	1,711.56	96.42	18.752		
9,200.00	7,622.09	7,755.46	7,582.80	86.72	34.71	78.03	-117.35	2,983.84	1,768.40	1,672.37	96.02	18.416		
9,250.00	7,627.87	7,760.59	7,587.93	86.55	34.73	83.26	-117.35	2,983.85	1,727.45	1,631.84	95.61	18.068		
9,303.98	7,630.00	7,762.53	7,589.87	86.35	34.73	90.06	-117.35	2,983.86	1,682.01	1,586.86	95.15	17.678		
9,400.00	7,630.00	7,762.61	7,589.95	85.99	34.73	90.06	-117.35	2,983.86	1,601.00	1,506.75	94.26	16.986		
9,500.00	7,630.00	7,762.71	7,590.05	85.62	34.73	90.07	-117.35	2,983.86	1,518.50	1,425.31	93.20	16.294		
9,600.00	7,630.00	7,762.80	7,590.14	85.28	34.73	90.07	-117.35	2,983.86	1,438.23	1,346.24	91.98	15.636		
9,700.00	7,630.00	7,762.90	7,590.24	84.95	34.73	90.08	-117.35	2,983.86	1,360.57	1,269.97	90.60	15.018		
9,800.00	7,630.00	7,763.00	7,590.34	84.64	34.73	90.09	-117.35	2,983.86	1,286.00	1,196.98	89.02	14.446		
9,900.00	7,630.00	7,763.10	7,590.44	84.34	34.73	90.09	-117.35	2,983.86	1,215.08	1,127.85	87.24	13.928		
10,000.00	7,630.00	7,763.20	7,590.54	84.06	34.73	90.10	-117.35	2,983.86	1,148.51	1,063.26	85.25	13.472		
10,100.00	7,630.00	7,763.30	7,590.64	83.80	34.73	90.11	-117.35	2,983.86	1,087.07	1,003.97	83.10	13.082		
10,200.00	7,630.00	7,763.41	7,590.75	83.56	34.73	90.11	-117.35	2,983.86	1,031.68	950.83	80.85	12.760		
10,300.00	7,630.00	7,763.52	7,590.86	83.33	34.73	90.12	-117.35	2,983.86	983.37	904.71	78.66	12.502		
10,400.00	7,630.00	7,763.63	7,590.97	83.12	34.73	90.13	-117.35	2,983.86	943.21	866.47	76.74	12.291		
10,500.00	7,630.00	7,763.75	7,591.09	82.92	34.73	90.14	-117.35	2,983.86	912.30	836.92	75.39	12.102		
10,600.00	7,630.00	7,763.87	7,591.21	82.75	34.74	90.14	-117.35	2,983.86	891.60	816.74	74.86	11.910		
10,700.00	7,630.00	7,763.99	7,591.33	82.59	34.74	90.15	-117.35	2,983.86	881.81	806.50	75.31	11.709		
10,736.78	7,630.00	7,764.03	7,591.37	82.53	34.74	90.15	-117.35	2,983.86	881.04	805.32	75.72	11.635 CC, ES		
10,800.00	7,630.00	7,764.11	7,591.45	82.45	34.74	90.16	-117.35	2,983.86	883.31	806.63	76.68	11.519		
10,900.00	7,630.00	7,764.24	7,591.58	82.33	34.74	90.17	-117.35	2,983.86	896.03	817.29	78.74	11.379		
11,000.00	7,630.00	7,764.37	7,591.71	82.22	34.74	90.18	-117.35	2,983.86	919.52	838.32	81.20	11.324 SF		
11,100.00	7,630.00	7,764.50	7,591.84	82.14	34.74	90.18	-117.35	2,983.86	952.98	869.19	83.79	11.374		
11,200.00	7,630.00	7,764.64	7,591.98	82.08	34.74	90.19	-117.36	2,983.86	995.39	909.09	86.31	11.533		
11,300.00	7,630.00	7,764.78	7,592.11	82.04	34.74	90.20	-117.36	2,983.86	1,045.68	957.05	88.64	11.797		
11,400.00	7,630.00	7,764.92	7,592.26	82.02	34.74	90.21	-117.36	2,983.87	1,102.77	1,012.04	90.73	12.154		
11,500.00	7,630.00	7,765.07	7,592.40	82.03	34.74	90.22	-117.36	2,983.87	1,165.65	1,073.09	92.57	12.593		
11,600.00	7,630.00	7,765.22	7,592.56	82.06	34.74	90.23	-117.36	2,983.87	1,233.45	1,139.29	94.16	13.100		
11,700.00	7,630.00	7,765.37	7,592.71	82.12	34.74	90.24	-117.36	2,983.87	1,305.39	1,209.86	95.52	13.666		
11,800.00	7,630.00	7,765.53	7,592.87	82.21	34.74	90.25	-117.36	2,983.87	1,380.82	1,284.13	96.69	14.280		
11,900.00	7,630.00	7,765.69	7,593.03	82.33	34.74	90.26	-117.36	2,983.87	1,459.22	1,361.53	97.69	14.937		
12,000.00	7,630.00	7,765.86	7,593.20	82.48	34.74	90.27	-117.36	2,983.87	1,540.12	1,441.57	98.55	15.628		
12,100.00	7,630.00	7,766.04	7,593.37	82.66	34.74	90.28	-117.36	2,983.87	1,623.15	1,523.87	99.28	16.349		
12,200.00	7,630.00	7,766.21	7,593.55	82.88	34.74	90.30	-117.36	2,983.87	1,708.00	1,608.08	99.91	17.095		
12,300.00	7,630.00	7,766.40	7,593.74	83.14	34.74	90.31	-117.36	2,983.87	1,794.41	1,693.95	100.46	17.863		
12,400.00	7,630.00	7,766.59	7,593.92	83.44	34.74	90.32	-117.36	2,983.87	1,882.16	1,781.24	100.93	18.649		
12,500.00	7,630.00	7,766.78	7,594.12	83.79	34.74	90.33	-117.36	2,983.87	1,971.09	1,869.75	101.33	19.452		
12,600.00	7,630.00	7,766.98	7,594.32	84.18	34.74	90.35	-117.36	2,983.87	2,061.03	1,959.34	101.69	20.268		
12,700.00	7,630.00	7,767.19	7,594.53	84.61	34.74	90.36	-117.36	2,983.87	2,151.85	2,049.85	102.00	21.096		
12,800.00	7,630.00	7,767.40	7,594.74	85.10	34.74	90.37	-117.36	2,983.87	2,243.46	2,141.18	102.28	21.935		
12,900.00	7,630.00	7,767.62	7,594.96	85.64	34.75	90.39	-117.36	2,983.87	2,335.76	2,233.24	102.52	22.784		
13,000.00	7,630.00	7,767.85	7,595.19	86.22	34.75	90.40	-117.36	2,983.87	2,428.66	2,325.93	102.73	23.640		
13,100.00	7,630.00	7,768.08	7,595.42	86.86	34.75	90.42	-117.36	2,983.87	2,522.11	2,419.19	102.93	24.504		
13,200.00	7,630.00	7,768.33	7,595.66	87.56	34.75	90.43	-117.36	2,983.87	2,616.04	2,512.95	103.10	25.374		
13,300.00	7,630.00	7,768.58	7,595.92	88.30	34.75	90.45	-117.36	2,983.88	2,710.41	2,607.16	103.25	26.251		
13,400.00	7,630.00	7,768.84	7,596.18	89.10	34.75	90.47	-117.36	2,983.88	2,805.17	2,701.78	103.39	27.132		
13,500.00	7,630.00	7,769.11	7,596.44	89.94	34.75	90.48	-117.36	2,983.88	2,900.28	2,796.76	103.52	28.018		
13,600.00	7,630.00	7,769.38	7,596.72	90.84	34.75	90.50	-117.36	2,983.88	2,995.71	2,892.08	103.63	28.908		
13,700.00	7,630.00	7,769.67	7,597.01	91.78	34.75	90.52	-117.36	2,983.88	3,091.42	2,987.69	103.73	29.801		
13,800.00	7,630.00	7,769.97	7,597.31	92.77	34.75	90.54	-117.36	2,983.88	3,187.40	3,083.57	103.83	30.698		
13,900.00	7,630.00	7,770.29	7,597.62	93.79	34.75	90.56	-117.36	2,983.88	3,283.62	3,179.71	103.92	31.598		
14,000.00	7,630.00	7,770.61	7,597.95	94.86	34.75	90.58	-117.36	2,983.88	3,380.06	3,276.07	104.00	32.501		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ BURY CRANDELL 22-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 91-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,100.00	7,630.00	7,770.95	7,598.29	95.97	34.75	90.60	-117.37	2,983.88	3,476.70	3,372.63	104.07	33.406		
14,200.00	7,630.00	7,771.30	7,598.64	97.11	34.76	90.63	-117.37	2,983.88	3,573.53	3,469.39	104.14	34.314		
14,300.00	7,630.00	7,771.66	7,599.00	98.28	34.76	90.65	-117.37	2,983.88	3,670.53	3,566.32	104.21	35.223		
14,400.00	7,630.00	7,772.04	7,599.38	99.48	34.76	90.68	-117.37	2,983.89	3,767.68	3,663.41	104.27	36.134		
14,500.00	7,630.00	7,772.44	7,599.78	100.72	34.76	90.70	-117.37	2,983.89	3,864.98	3,760.65	104.33	37.047		
14,600.00	7,630.00	7,772.85	7,600.19	101.97	34.76	90.73	-117.37	2,983.89	3,962.41	3,858.03	104.38	37.961		
14,700.00	7,630.00	7,773.29	7,600.63	103.26	34.76	90.76	-117.37	2,983.89	4,059.97	3,955.54	104.43	38.877		
14,800.00	7,630.00	7,773.74	7,601.08	104.56	34.76	90.79	-117.37	2,983.89	4,157.64	4,053.16	104.48	39.794		
14,900.00	7,630.00	7,774.22	7,601.56	105.89	34.76	90.82	-117.37	2,983.89	4,255.42	4,150.90	104.53	40.712		
15,000.00	7,630.00	7,774.71	7,602.05	107.24	34.76	90.85	-117.37	2,983.89	4,353.30	4,248.73	104.57	41.631		
15,100.00	7,630.00	7,775.24	7,602.58	108.60	34.77	90.88	-117.37	2,983.90	4,451.28	4,346.67	104.61	42.550		
15,200.00	7,630.00	7,775.79	7,603.13	109.98	34.77	90.92	-117.38	2,983.90	4,549.34	4,444.69	104.65	43.471		
15,300.00	7,630.00	7,776.37	7,603.71	111.38	34.77	90.96	-117.38	2,983.90	4,647.49	4,542.80	104.69	44.392		
15,400.00	7,630.00	7,776.98	7,604.32	112.79	34.77	91.00	-117.38	2,983.90	4,745.71	4,640.99	104.73	45.314		
15,500.00	7,630.00	7,777.62	7,604.96	114.22	34.77	91.04	-117.38	2,983.90	4,844.01	4,739.25	104.77	46.236		
15,600.00	7,630.00	7,778.30	7,605.64	115.66	34.77	91.08	-117.38	2,983.91	4,942.38	4,837.57	104.80	47.159		
15,700.00	7,630.00	7,779.02	7,606.36	117.11	34.78	91.13	-117.38	2,983.91	5,040.81	4,935.97	104.84	48.082		
15,800.00	7,630.00	7,779.78	7,607.12	118.57	34.78	91.18	-117.39	2,983.91	5,139.30	5,034.42	104.87	49.005		
15,900.00	7,630.00	7,780.60	7,607.93	120.05	34.78	91.23	-117.39	2,983.91	5,237.84	5,132.94	104.91	49.929		
16,000.00	7,630.00	7,781.46	7,608.80	121.53	34.78	91.29	-117.39	2,983.92	5,336.44	5,231.51	104.94	50.853		
16,100.00	7,630.00	7,782.38	7,609.72	123.03	34.78	91.35	-117.40	2,983.92	5,435.10	5,330.13	104.97	51.777		
16,200.00	7,630.00	7,783.36	7,610.70	124.53	34.79	91.41	-117.40	2,983.92	5,533.80	5,428.79	105.00	52.701		
16,300.00	7,630.00	7,784.42	7,611.76	126.04	34.79	91.48	-117.40	2,983.93	5,632.54	5,527.51	105.04	53.625		
16,400.00	7,630.00	7,785.55	7,612.89	127.56	34.79	91.55	-117.41	2,983.93	5,731.33	5,626.27	105.07	54.549		
16,500.00	7,630.00	7,786.77	7,614.11	129.09	34.80	91.63	-117.41	2,983.94	5,830.16	5,725.07	105.10	55.473		
16,600.00	7,630.00	7,788.08	7,615.42	130.62	34.80	91.72	-117.42	2,983.94	5,929.03	5,823.90	105.13	56.397		
16,700.00	7,630.00	7,789.51	7,616.85	132.16	34.80	91.81	-117.42	2,983.95	6,027.94	5,922.78	105.16	57.321		
16,800.00	7,630.00	7,791.06	7,618.39	133.71	34.81	91.91	-117.43	2,983.95	6,126.88	6,021.69	105.19	58.244		
16,900.00	7,630.00	7,792.74	7,620.08	135.27	34.81	92.02	-117.44	2,983.96	6,225.86	6,120.64	105.22	59.167		
17,000.00	7,630.00	7,794.59	7,621.93	136.83	34.82	92.14	-117.44	2,983.97	6,324.87	6,219.61	105.26	60.090		
17,100.00	7,630.00	7,796.62	7,623.96	138.39	34.82	92.27	-117.45	2,983.97	6,423.91	6,318.62	105.29	61.013		
17,200.00	7,630.00	7,798.87	7,626.20	139.97	34.83	92.42	-117.47	2,983.98	6,522.98	6,417.66	105.32	61.935		
17,300.00	7,630.00	7,801.36	7,628.70	141.54	34.84	92.58	-117.48	2,984.00	6,622.07	6,516.72	105.35	62.856		
17,400.00	7,630.00	7,804.14	7,631.48	143.12	34.84	92.76	-117.49	2,984.01	6,721.19	6,615.81	105.39	63.777		
17,500.00	7,630.00	17,500.00	7,579.35	144.71	61.82	89.37	-117.46	2,983.88	6,820.26	6,686.04	134.22	50.813		
17,600.00	7,630.00	17,600.00	7,579.19	146.30	62.10	89.36	-117.46	2,983.88	6,919.44	6,784.90	134.54	51.430		
17,700.00	7,630.00	17,700.00	7,579.02	147.90	62.39	89.35	-117.46	2,983.88	7,018.64	6,883.78	134.86	52.045		
17,800.00	7,630.00	17,800.00	7,578.86	149.50	62.67	89.34	-117.46	2,983.88	7,117.86	6,982.68	135.18	52.656		
17,900.00	7,630.00	17,900.00	7,578.70	151.10	62.96	89.33	-117.46	2,983.88	7,217.10	7,081.60	135.50	53.265		
18,000.00	7,630.00	18,000.00	7,578.53	152.71	63.24	89.32	-117.46	2,983.88	7,316.36	7,180.55	135.81	53.871		
18,100.00	7,630.00	18,100.00	7,578.37	154.32	63.53	89.31	-117.46	2,983.88	7,415.64	7,279.51	136.13	54.474		
18,200.00	7,630.00	18,200.00	7,578.21	155.94	63.81	89.30	-117.47	2,983.88	7,514.94	7,378.49	136.45	55.074		
18,300.00	7,630.00	18,300.00	7,578.04	157.56	64.10	89.29	-117.47	2,983.88	7,614.26	7,477.49	136.77	55.672		
18,400.00	7,630.00	18,400.00	7,577.88	159.18	64.38	89.28	-117.47	2,983.88	7,713.60	7,576.51	137.09	56.266		
18,500.00	7,630.00	18,500.00	7,577.72	160.80	64.67	89.27	-117.47	2,983.88	7,812.95	7,675.54	137.41	56.858		
18,600.00	7,630.00	18,600.00	7,577.56	162.43	64.95	89.26	-117.47	2,983.88	7,912.32	7,774.59	137.73	57.448		
18,700.00	7,630.00	18,700.00	7,577.39	164.06	65.23	89.25	-117.47	2,983.88	8,011.71	7,873.66	138.05	58.034		
18,800.00	7,630.00	7,794.06	7,621.40	165.70	34.82	92.11	-117.44	2,983.96	8,111.19	8,005.41	105.78	76.682		
18,900.00	7,630.00	7,794.39	7,621.73	167.33	34.82	92.13	-117.44	2,983.96	8,210.60	8,104.79	105.81	77.599		
19,000.00	7,630.00	7,794.73	7,622.07	168.97	34.82	92.15	-117.44	2,983.96	8,310.03	8,204.19	105.84	78.515		
19,021.79	7,630.00	7,794.80	7,622.14	169.33	34.82	92.15	-117.44	2,983.96	8,331.70	8,225.85	105.85	78.715		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 109-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	82.08	747.37	5,374.49	5,426.81					
100.00	100.00	1,152.00	1,134.43	0.13	4.79	80.97	832.29	5,234.62	5,416.47	5,411.67	4.79	1,129.912		
200.00	200.00	1,205.96	1,186.62	0.49	5.08	80.88	838.81	5,222.58	5,396.18	5,390.97	5.21	1,035.060		
300.00	300.00	1,254.86	1,234.08	0.85	5.35	80.80	844.44	5,212.23	5,376.88	5,371.16	5.72	940.533		
400.00	400.00	1,333.75	1,310.76	1.21	5.77	80.67	853.39	5,195.99	5,358.19	5,351.79	6.39	838.232		
500.00	500.00	1,452.48	1,426.01	1.57	6.41	80.47	867.80	5,171.37	5,339.50	5,332.22	7.27	734.419		
600.00	600.00	1,643.86	1,610.89	1.93	7.49	80.11	894.05	5,129.49	5,320.08	5,311.56	8.51	624.877		
700.00	700.00	1,716.06	1,680.54	2.29	7.90	79.98	903.78	5,113.15	5,299.81	5,290.60	9.20	575.822		
800.00	799.98	1,821.00	1,781.81	2.64	8.50	18.13	917.90	5,089.54	5,278.10	5,268.05	10.05	525.022		
900.00	899.84	1,881.84	1,840.66	2.99	8.84	18.19	925.56	5,076.13	5,253.51	5,242.82	10.69	491.319		
1,000.00	999.45	1,937.94	1,895.08	3.35	9.15	18.29	932.10	5,064.17	5,226.35	5,215.05	11.31	462.294		
1,100.00	1,098.70	1,994.00	1,949.62	3.73	9.45	18.42	938.23	5,052.75	5,196.81	5,184.89	11.91	436.169		
1,200.00	1,197.47	2,116.42	2,068.73	4.11	10.11	18.50	951.78	5,027.99	5,164.34	5,151.53	12.82	402.960		
1,300.00	1,295.62	2,231.92	2,180.78	4.53	10.75	18.61	965.58	5,003.55	5,127.97	5,114.27	13.70	374.358		
1,400.00	1,393.06	2,304.44	2,251.09	4.97	11.15	18.81	974.54	4,988.24	5,088.69	5,074.30	14.39	353.593		
1,500.00	1,489.64	2,369.26	2,314.04	5.44	11.50	19.05	982.35	4,974.89	5,046.84	5,031.79	15.05	335.292		
1,600.00	1,585.27	2,459.28	2,401.48	5.95	11.99	19.31	993.37	4,956.56	5,002.24	4,986.41	15.83	316.050		
1,700.00	1,679.82	2,569.53	2,508.42	6.51	12.60	19.59	1,007.44	4,933.75	4,954.52	4,937.82	16.70	296.677		
1,800.00	1,773.17	2,626.42	2,563.66	7.13	12.91	19.96	1,014.52	4,922.11	4,904.06	4,886.72	17.34	282.833		
1,900.00	1,865.21	2,697.55	2,632.86	7.79	13.29	20.37	1,022.83	4,907.91	4,851.13	4,833.09	18.04	268.927		
2,000.00	1,955.84	2,000.00	2,804.77	8.51	9.29	20.85	1,043.55	4,871.80	4,795.50	4,780.45	15.06	318.459		
2,100.00	2,044.94	2,988.30	2,914.78	9.30	14.90	21.39	1,057.82	4,846.19	4,735.16	4,715.07	20.09	235.720		
2,200.00	2,132.39	3,038.73	2,963.51	10.15	15.19	22.00	1,064.26	4,834.89	4,672.41	4,651.69	20.73	225.417		
2,300.00	2,218.11	3,087.88	3,010.96	11.07	15.47	22.66	1,071.05	4,824.08	4,607.63	4,586.25	21.37	215.567		
2,400.00	2,301.97	3,160.43	3,080.93	12.06	15.89	23.40	1,081.98	4,808.32	4,540.77	4,518.64	22.13	205.169		
2,500.00	2,383.88	3,238.34	3,155.96	13.11	16.35	24.24	1,093.97	4,791.09	4,471.32	4,448.40	22.92	195.072		
2,512.74	2,394.17	3,245.20	3,162.56	13.25	16.39	24.35	1,095.04	4,789.58	4,462.32	4,439.30	23.01	193.896		
2,600.00	2,464.54	3,292.24	3,207.86	14.22	16.66	24.40	1,102.44	4,779.28	4,400.64	4,377.03	23.62	186.326		
2,700.00	2,545.18	3,395.03	3,306.83	15.35	17.27	24.50	1,118.57	4,756.66	4,329.91	4,305.40	24.52	176.618		
2,800.00	2,625.82	3,506.43	3,414.05	16.50	17.93	24.64	1,134.96	4,731.27	4,258.50	4,233.06	25.44	167.388		
2,900.00	2,706.45	3,590.32	3,494.96	17.65	18.41	24.78	1,145.70	4,711.89	4,186.66	4,160.41	26.25	159.489		
3,000.00	2,787.09	3,622.96	3,526.51	18.82	18.60	24.84	1,149.60	4,704.49	4,115.03	4,088.13	26.89	153.022		
3,100.00	2,867.73	3,659.33	3,561.73	19.99	18.80	24.91	1,153.94	4,696.53	4,043.97	4,016.41	27.56	146.729		
3,200.00	2,948.37	3,740.41	3,640.33	21.17	19.26	25.07	1,163.71	4,679.20	3,973.32	3,944.94	28.38	140.015		
3,300.00	3,029.01	3,808.32	3,706.05	22.36	19.64	25.21	1,172.11	4,664.27	3,902.27	3,873.11	29.16	133.808		
3,400.00	3,109.65	3,856.76	3,752.94	23.55	19.91	25.30	1,178.31	4,653.84	3,831.59	3,801.69	29.90	128.131		
3,500.00	3,190.29	3,500.00	3,840.84	24.74	17.89	25.49	1,189.97	4,634.09	3,760.74	3,732.08	28.66	131.224		
3,600.00	3,270.93	4,013.82	3,904.93	25.94	20.80	25.64	1,198.13	4,619.56	3,689.76	3,658.19	31.57	116.889		
3,700.00	3,351.57	4,055.00	3,944.89	27.14	21.03	25.74	1,202.87	4,610.83	3,619.25	3,586.94	32.32	111.995		
3,800.00	3,432.21	4,100.80	3,989.46	28.35	21.27	25.87	1,207.80	4,601.51	3,549.29	3,516.21	33.08	107.293		
3,900.00	3,512.85	4,150.00	4,037.49	29.56	21.53	26.02	1,212.67	4,592.02	3,479.97	3,446.10	33.86	102.761		
4,000.00	3,593.49	4,186.66	4,073.37	30.76	21.71	26.14	1,215.97	4,585.31	3,411.24	3,376.61	34.63	98.502		
4,100.00	3,674.13	4,243.00	4,128.69	31.97	21.98	26.35	1,220.41	4,575.54	3,343.17	3,307.73	35.44	94.324		
4,200.00	3,754.77	4,269.83	4,155.09	33.19	22.10	26.46	1,222.28	4,571.17	3,275.74	3,239.52	36.22	90.437		
4,300.00	3,835.41	4,306.09	4,190.85	34.40	22.26	26.62	1,224.60	4,565.65	3,209.21	3,172.18	37.03	86.669		
4,400.00	3,916.05	4,337.00	4,221.41	35.62	22.40	26.76	1,226.38	4,561.31	3,143.61	3,105.76	37.85	83.061		
4,500.00	3,996.69	4,380.64	4,264.62	36.83	22.58	26.98	1,228.70	4,555.71	3,078.94	3,040.25	38.69	79.581		
4,600.00	4,077.33	4,430.00	4,313.61	38.05	22.77	27.23	1,231.13	4,550.14	3,015.30	2,975.74	39.56	76.230		
4,700.00	4,157.96	4,470.80	4,354.16	39.27	22.92	27.45	1,232.91	4,545.97	2,952.48	2,912.06	40.43	73.034		
4,800.00	4,238.60	4,523.00	4,406.08	40.49	23.12	27.75	1,234.77	4,540.96	2,890.32	2,849.00	41.33	69.940		
4,900.00	4,319.24	4,573.65	4,456.51	41.71	23.29	28.05	1,236.33	4,536.57	2,828.95	2,786.71	42.24	66.974		
5,000.00	4,399.88	4,617.00	4,499.72	42.93	23.44	28.33	1,237.61	4,533.28	2,768.53	2,725.36	43.17	64.131		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 109-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,480.52	4,668.76	4,551.36	44.15	23.60	28.67	1,238.85	4,529.95	2,709.09	2,664.97	44.12	61.401		
5,200.00	4,561.16	4,718.47	4,601.00	45.37	23.76	29.02	1,239.53	4,527.37	2,650.67	2,605.58	45.10	58.779		
5,300.00	4,641.80	4,776.71	4,659.18	46.59	23.92	29.46	1,239.68	4,524.91	2,593.15	2,547.05	46.09	56.258		
5,400.00	4,722.44	4,836.89	4,719.33	47.82	24.09	29.95	1,239.27	4,522.88	2,536.44	2,489.31	47.12	53.826		
5,500.00	4,803.08	4,897.00	4,779.41	49.04	24.25	30.44	1,239.15	4,521.23	2,480.50	2,432.33	48.18	51.489		
5,600.00	4,883.72	4,947.07	4,829.47	50.27	24.37	30.86	1,239.18	4,520.35	2,425.61	2,376.36	49.24	49.256		
5,700.00	4,964.36	4,999.78	4,882.19	51.49	24.50	31.32	1,239.12	4,520.13	2,372.01	2,321.66	50.34	47.115		
5,800.00	5,045.00	5,083.66	4,966.06	52.71	24.69	32.07	1,238.99	4,520.11	2,319.05	2,267.55	51.50	45.032		
5,900.00	5,125.64	5,178.05	5,060.45	53.94	24.93	32.96	1,238.90	4,519.75	2,266.10	2,213.40	52.70	42.998		
6,000.00	5,206.28	5,265.21	5,147.61	55.17	25.15	33.81	1,238.81	4,519.00	2,213.11	2,159.17	53.94	41.026		
6,100.00	5,286.92	5,343.15	5,225.55	56.39	25.36	34.62	1,238.71	4,518.24	2,160.38	2,105.16	55.22	39.122		
6,200.00	5,367.56	5,424.90	5,307.29	57.62	25.57	35.49	1,238.71	4,517.49	2,108.07	2,051.53	56.54	37.281		
6,300.00	5,448.20	5,509.27	5,391.66	58.84	25.80	36.44	1,238.65	4,516.58	2,056.04	1,998.13	57.92	35.500		
6,400.00	5,528.84	5,596.56	5,478.94	60.07	26.03	37.48	1,238.27	4,515.39	2,004.25	1,944.90	59.34	33.774		
6,500.00	5,609.47	5,684.76	5,567.12	61.30	26.27	38.59	1,237.53	4,513.77	1,952.58	1,891.75	60.83	32.100		
6,600.00	5,690.11	5,768.44	5,650.78	62.53	26.50	39.70	1,236.79	4,511.93	1,901.16	1,838.79	62.37	30.482		
6,700.00	5,770.75	5,847.44	5,729.75	63.75	26.72	40.80	1,236.08	4,510.13	1,850.28	1,786.31	63.97	28.922		
6,800.00	5,851.39	5,926.99	5,809.27	64.98	26.94	41.97	1,235.22	4,508.30	1,800.02	1,734.38	65.65	27.419		
6,900.00	5,932.03	5,997.67	5,879.94	66.21	27.13	43.05	1,234.36	4,506.83	1,750.65	1,683.26	67.39	25.979		
7,000.00	6,012.67	6,075.28	5,957.53	67.44	27.35	44.29	1,233.43	4,505.48	1,702.31	1,633.10	69.21	24.598		
7,100.00	6,093.31	6,155.36	6,037.60	68.66	27.57	45.63	1,232.58	4,504.08	1,654.76	1,583.65	71.10	23.273		
7,200.00	6,173.95	6,236.13	6,118.35	69.89	27.80	47.03	1,232.10	4,502.72	1,608.07	1,534.99	73.08	22.005		
7,300.00	6,254.59	6,321.05	6,203.26	71.12	28.04	48.55	1,232.05	4,501.24	1,562.19	1,487.05	75.14	20.792		
7,400.00	6,335.23	6,409.85	6,292.03	72.35	28.31	50.20	1,233.06	4,499.40	1,516.81	1,439.54	77.26	19.632		
7,500.00	6,415.87	6,482.42	6,364.58	73.58	28.53	51.60	1,234.09	4,497.99	1,472.53	1,393.06	79.47	18.530		
7,600.00	6,496.51	6,555.04	6,437.19	74.81	28.75	53.07	1,234.88	4,496.89	1,429.82	1,348.05	81.77	17.487		
7,700.00	6,577.15	6,627.74	6,509.88	76.04	28.96	54.61	1,235.41	4,496.11	1,388.80	1,304.64	84.16	16.503		
7,800.00	6,657.79	6,702.27	6,584.41	77.27	29.17	56.26	1,235.46	4,495.55	1,349.59	1,262.95	86.64	15.576		
7,900.00	6,738.43	6,780.08	6,662.21	78.50	29.39	58.07	1,235.38	4,495.11	1,312.14	1,222.91	89.22	14.706		
8,000.00	6,819.07	6,855.58	6,737.72	79.73	29.60	59.90	1,235.08	4,494.82	1,276.60	1,184.72	91.88	13.894		
8,100.00	6,899.71	6,936.21	6,818.34	80.96	29.82	61.93	1,234.61	4,494.63	1,243.06	1,148.45	94.62	13.138		
8,200.00	6,980.35	7,014.48	6,896.61	82.18	30.04	63.98	1,234.20	4,494.48	1,211.55	1,114.14	97.41	12.438		
8,240.58	7,013.07	7,045.86	6,928.00	82.68	30.12	64.82	1,234.00	4,494.46	1,199.42	1,100.86	98.55	12.170		
8,250.00	7,020.68	7,053.36	6,935.50	82.80	30.14	63.61	1,233.95	4,494.46	1,196.61	1,097.79	98.82	12.109		
8,300.00	7,061.63	7,095.10	6,977.23	83.40	30.25	56.64	1,233.69	4,494.46	1,180.36	1,080.22	100.15	11.786		
8,350.00	7,103.23	7,137.57	7,019.71	83.97	30.37	48.79	1,233.50	4,494.46	1,161.83	1,060.49	101.34	11.465		
8,400.00	7,145.18	7,177.72	7,059.85	84.51	30.48	40.20	1,233.35	4,494.49	1,141.01	1,038.64	102.37	11.146		
8,450.00	7,187.16	7,217.60	7,099.73	85.01	30.58	31.20	1,233.16	4,494.59	1,118.00	1,014.76	103.25	10.828		
8,500.00	7,228.84	7,259.35	7,141.48	85.46	30.70	22.10	1,232.94	4,494.75	1,092.83	988.86	103.97	10.511		
8,550.00	7,269.91	7,302.38	7,184.51	85.86	30.81	13.07	1,232.75	4,494.88	1,065.46	960.93	104.53	10.193		
8,600.00	7,310.05	7,344.06	7,226.19	86.20	30.93	4.14	1,232.61	4,494.95	1,036.04	931.13	104.91	9.875		
8,650.00	7,348.97	7,383.87	7,266.00	86.50	31.04	-4.70	1,232.49	4,494.98	1,004.76	899.66	105.10	9.560		
8,700.00	7,386.36	7,422.09	7,304.22	86.74	31.14	-13.54	1,232.38	4,494.97	971.89	866.80	105.08	9.249		
8,750.00	7,421.94	7,458.42	7,340.55	86.93	31.25	-22.45	1,232.28	4,494.93	937.72	832.88	104.84	8.944		
8,800.00	7,455.44	7,492.60	7,374.73	87.07	31.34	-31.48	1,232.20	4,494.88	902.61	798.26	104.35	8.650		
8,850.00	7,486.61	7,524.37	7,406.50	87.16	31.43	-40.58	1,232.12	4,494.80	867.00	763.43	103.58	8.371		
8,900.00	7,515.20	7,552.48	7,434.61	87.20	31.51	-49.49	1,232.04	4,494.72	831.42	728.93	102.49	8.112		
8,950.00	7,541.00	7,578.11	7,460.23	87.21	31.59	-58.02	1,231.95	4,494.66	796.45	695.39	101.05	7.881		
9,000.00	7,563.81	7,600.84	7,482.97	87.17	31.65	-65.86	1,231.86	4,494.60	762.73	663.51	99.22	7.687		
9,050.00	7,583.47	7,620.14	7,502.27	87.10	31.71	-72.72	1,231.78	4,494.55	731.02	634.06	96.96	7.539		
9,100.00	7,599.81	7,635.98	7,518.10	87.00	31.75	-78.45	1,231.71	4,494.53	702.10	607.86	94.24	7.450		
9,150.00	7,612.72	7,648.52	7,530.65	86.88	31.78	-83.01	1,231.66	4,494.53	676.82	585.76	91.06	7.433 SF		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ BURY CRANDELL 31-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 109-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,622.09	7,657.68	7,539.81	86.72	31.81	-86.41	1,231.63	4,494.53	655.99	568.51	87.48	7.499		
9,250.00	7,627.87	7,663.38	7,545.50	86.55	31.83	-88.67	1,231.61	4,494.54	640.37	556.76	83.61	7.659		
9,303.98	7,630.00	7,665.60	7,547.73	86.35	31.83	-89.88	1,231.60	4,494.54	630.05	550.73	79.31	7.944	ES	
9,382.75	7,630.00	7,665.86	7,547.98	86.05	31.83	-89.91	1,231.60	4,494.55	625.10	551.58	73.52	8.503	CC	
9,400.00	7,630.00	7,665.91	7,548.04	85.99	31.83	-89.91	1,231.60	4,494.55	625.34	552.94	72.40	8.637		
9,500.00	7,630.00	7,666.24	7,548.36	85.62	31.83	-89.94	1,231.60	4,494.55	636.00	568.16	67.84	9.375		
9,600.00	7,630.00	7,666.56	7,548.69	85.28	31.84	-89.97	1,231.60	4,494.55	661.78	594.44	67.34	9.827		
9,700.00	7,630.00	7,666.88	7,549.01	84.95	31.84	-90.00	1,231.60	4,494.55	701.00	630.56	70.44	9.952		
9,800.00	7,630.00	7,667.20	7,549.33	84.64	31.84	-90.03	1,231.60	4,494.55	751.56	676.19	75.37	9.972		
9,900.00	7,630.00	7,667.52	7,549.65	84.34	31.84	-90.06	1,231.59	4,494.55	811.35	730.69	80.66	10.059		
10,000.00	7,630.00	7,667.84	7,549.97	84.06	31.84	-90.09	1,231.59	4,494.55	878.49	792.91	85.58	10.265		
10,100.00	7,630.00	7,668.16	7,550.29	83.80	31.84	-90.12	1,231.59	4,494.55	951.41	861.54	89.88	10.586		
10,200.00	7,630.00	7,668.48	7,550.60	83.56	31.84	-90.15	1,231.59	4,494.55	1,028.90	935.37	93.53	11.001		
10,300.00	7,630.00	7,668.79	7,550.92	83.33	31.84	-90.18	1,231.59	4,494.55	1,109.99	1,013.39	96.60	11.491		
10,400.00	7,630.00	7,669.11	7,551.23	83.12	31.84	-90.20	1,231.59	4,494.55	1,193.96	1,094.78	99.18	12.038		
10,500.00	7,630.00	7,669.42	7,551.55	82.92	31.84	-90.23	1,231.59	4,494.55	1,280.23	1,178.87	101.35	12.632		
10,600.00	7,630.00	7,669.73	7,551.86	82.75	31.84	-90.26	1,231.59	4,494.55	1,368.37	1,265.18	103.19	13.261		
10,700.00	7,630.00	7,670.04	7,552.17	82.59	31.85	-90.29	1,231.59	4,494.55	1,458.04	1,353.28	104.76	13.918		
10,800.00	7,630.00	7,670.35	7,552.48	82.45	31.85	-90.32	1,231.58	4,494.55	1,548.97	1,442.87	106.10	14.599		
10,900.00	7,630.00	7,670.66	7,552.78	82.33	31.85	-90.35	1,231.58	4,494.55	1,640.96	1,533.70	107.26	15.299		
11,000.00	7,630.00	7,670.96	7,553.09	82.22	31.85	-90.37	1,231.58	4,494.55	1,733.84	1,625.57	108.27	16.014		
11,100.00	7,630.00	7,671.27	7,553.40	82.14	31.85	-90.40	1,231.58	4,494.56	1,827.47	1,718.32	109.15	16.743		
11,200.00	7,630.00	7,671.57	7,553.70	82.08	31.85	-90.43	1,231.58	4,494.56	1,921.74	1,811.82	109.93	17.482		
11,300.00	7,630.00	7,671.88	7,554.00	82.04	31.85	-90.46	1,231.58	4,494.56	2,016.57	1,905.95	110.62	18.230		
11,400.00	7,630.00	7,672.18	7,554.31	82.02	31.85	-90.49	1,231.58	4,494.56	2,111.87	2,000.64	111.23	18.987		
11,500.00	7,630.00	7,672.48	7,554.61	82.03	31.85	-90.51	1,231.58	4,494.56	2,207.59	2,095.81	111.78	19.750		
11,600.00	7,630.00	7,672.78	7,554.91	82.06	31.85	-90.54	1,231.58	4,494.56	2,303.67	2,191.40	112.27	20.519		
11,700.00	7,630.00	7,673.08	7,555.21	82.12	31.85	-90.57	1,231.58	4,494.56	2,400.07	2,287.35	112.71	21.294		
11,800.00	7,630.00	7,673.38	7,555.51	82.21	31.85	-90.60	1,231.57	4,494.56	2,496.75	2,383.63	113.12	22.072		
11,900.00	7,630.00	7,673.68	7,555.80	82.33	31.86	-90.62	1,231.57	4,494.56	2,593.69	2,480.20	113.48	22.855		
12,000.00	7,630.00	7,673.97	7,556.10	82.48	31.86	-90.65	1,231.57	4,494.56	2,690.85	2,577.03	113.82	23.641		
12,100.00	7,630.00	7,674.27	7,556.39	82.66	31.86	-90.68	1,231.57	4,494.56	2,788.21	2,674.08	114.13	24.430		
12,200.00	7,630.00	7,674.56	7,556.69	82.88	31.86	-90.70	1,231.57	4,494.56	2,885.75	2,771.34	114.41	25.222		
12,300.00	7,630.00	7,674.85	7,556.98	83.14	31.86	-90.73	1,231.57	4,494.56	2,983.45	2,868.78	114.68	26.017		
12,400.00	7,630.00	7,675.14	7,557.27	83.44	31.86	-90.76	1,231.57	4,494.56	3,081.30	2,966.39	114.92	26.813		
12,500.00	7,630.00	7,675.43	7,557.56	83.79	31.86	-90.78	1,231.57	4,494.56	3,179.29	3,064.14	115.14	27.611		
12,600.00	7,630.00	7,675.72	7,557.85	84.18	31.86	-90.81	1,231.57	4,494.56	3,277.39	3,162.04	115.35	28.412		
12,700.00	7,630.00	7,676.01	7,558.14	84.61	31.86	-90.84	1,231.57	4,494.57	3,375.61	3,260.06	115.55	29.213		
12,800.00	7,630.00	7,676.30	7,558.43	85.10	31.86	-90.86	1,231.57	4,494.57	3,473.93	3,358.20	115.73	30.016		
12,900.00	7,630.00	7,676.58	7,558.71	85.64	31.86	-90.89	1,231.56	4,494.57	3,572.34	3,456.44	115.91	30.821		
13,000.00	7,630.00	7,676.87	7,559.00	86.22	31.86	-90.92	1,231.56	4,494.57	3,670.84	3,554.77	116.07	31.626		
13,100.00	7,630.00	7,677.15	7,559.28	86.86	31.86	-90.94	1,231.56	4,494.57	3,769.42	3,653.20	116.22	32.433		
13,200.00	7,630.00	7,677.44	7,559.56	87.56	31.87	-90.97	1,231.56	4,494.57	3,868.07	3,751.70	116.37	33.240		
13,300.00	7,630.00	7,677.72	7,559.85	88.30	31.87	-90.99	1,231.56	4,494.57	3,966.79	3,850.28	116.50	34.049		
13,400.00	7,630.00	7,678.00	7,560.13	89.10	31.87	-91.02	1,231.56	4,494.57	4,065.57	3,948.94	116.63	34.858		
13,500.00	7,630.00	7,678.28	7,560.41	89.94	31.87	-91.05	1,231.56	4,494.57	4,164.41	4,047.65	116.76	35.667		
13,600.00	7,630.00	7,678.56	7,560.69	90.84	31.87	-91.07	1,231.56	4,494.57	4,263.30	4,146.43	116.87	36.478		
13,700.00	7,630.00	7,678.84	7,560.96	91.78	31.87	-91.10	1,231.56	4,494.57	4,362.24	4,245.26	116.99	37.289		
13,800.00	7,630.00	7,679.11	7,561.24	92.77	31.87	-91.12	1,231.56	4,494.57	4,461.23	4,344.14	117.09	38.100		
13,900.00	7,630.00	7,679.39	7,561.52	93.79	31.87	-91.15	1,231.56	4,494.57	4,560.27	4,443.07	117.20	38.912		
14,000.00	7,630.00	7,679.67	7,561.79	94.86	31.87	-91.17	1,231.55	4,494.57	4,659.34	4,542.05	117.29	39.724		
14,100.00	7,630.00	7,679.94	7,562.07	95.97	31.87	-91.20	1,231.55	4,494.58	4,758.46	4,641.07	117.39	40.536		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ BURY CRANDELL 31-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 109-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,630.00	7,680.21	7,562.34	97.11	31.87	-91.22	1,231.55	4,494.58	4,857.61	4,740.13	117.48	41.349		
14,300.00	7,630.00	7,680.48	7,562.61	98.28	31.87	-91.25	1,231.55	4,494.58	4,956.79	4,839.23	117.56	42.162		
14,400.00	7,630.00	7,680.76	7,562.88	99.48	31.88	-91.27	1,231.55	4,494.58	5,056.01	4,938.36	117.65	42.976		
14,500.00	7,630.00	7,681.03	7,563.15	100.72	31.88	-91.30	1,231.55	4,494.58	5,155.26	5,037.53	117.73	43.789		
14,600.00	7,630.00	7,681.30	7,563.42	101.97	31.88	-91.32	1,231.55	4,494.58	5,254.53	5,136.73	117.81	44.603		
14,700.00	7,630.00	7,681.56	7,563.69	103.26	31.88	-91.35	1,231.55	4,494.58	5,353.84	5,235.95	117.88	45.416		
14,800.00	7,630.00	7,681.83	7,563.96	104.56	31.88	-91.37	1,231.55	4,494.58	5,453.17	5,335.21	117.96	46.230		
14,900.00	7,630.00	7,682.10	7,564.23	105.89	31.88	-91.40	1,231.55	4,494.58	5,552.52	5,434.49	118.03	47.044		
15,000.00	7,630.00	7,682.36	7,564.49	107.24	31.88	-91.42	1,231.55	4,494.58	5,651.89	5,533.80	118.10	47.858		
15,100.00	7,630.00	7,682.63	7,564.76	108.60	31.88	-91.44	1,231.55	4,494.58	5,751.29	5,633.13	118.16	48.672		
15,200.00	7,630.00	7,682.89	7,565.02	109.98	31.88	-91.47	1,231.54	4,494.58	5,850.71	5,732.48	118.23	49.486		
15,300.00	7,630.00	7,683.16	7,565.28	111.38	31.88	-91.49	1,231.54	4,494.58	5,950.14	5,831.85	118.29	50.300		
15,400.00	7,630.00	7,683.42	7,565.54	112.79	31.88	-91.52	1,231.54	4,494.59	6,049.60	5,931.24	118.36	51.114		
15,500.00	7,630.00	7,683.68	7,565.81	114.22	31.88	-91.54	1,231.54	4,494.59	6,149.07	6,030.66	118.42	51.928		
15,600.00	7,630.00	7,683.94	7,566.07	115.66	31.88	-91.56	1,231.54	4,494.59	6,248.56	6,130.09	118.48	52.741		
15,700.00	7,630.00	7,684.20	7,566.32	117.11	31.88	-91.59	1,231.54	4,494.59	6,348.07	6,229.53	118.53	53.555		
15,800.00	7,630.00	7,684.46	7,566.58	118.57	31.89	-91.61	1,231.54	4,494.59	6,447.59	6,329.00	118.59	54.369		
15,900.00	7,630.00	7,684.71	7,566.84	120.05	31.89	-91.63	1,231.54	4,494.59	6,547.12	6,428.48	118.65	55.182		
16,000.00	7,630.00	7,684.97	7,567.10	121.53	31.89	-91.66	1,231.54	4,494.59	6,646.67	6,527.97	118.70	55.995		
16,100.00	7,630.00	7,685.23	7,567.35	123.03	31.89	-91.68	1,231.54	4,494.59	6,746.24	6,627.48	118.75	56.808		
16,200.00	7,630.00	7,685.48	7,567.61	124.53	31.89	-91.70	1,231.54	4,494.59	6,845.81	6,727.01	118.81	57.621		
16,300.00	7,630.00	7,685.73	7,567.86	126.04	31.89	-91.73	1,231.54	4,494.59	6,945.40	6,826.54	118.86	58.434		
16,400.00	7,630.00	7,685.99	7,568.11	127.56	31.89	-91.75	1,231.54	4,494.59	7,045.00	6,926.09	118.91	59.247		
16,500.00	7,630.00	7,686.24	7,568.37	129.09	31.89	-91.77	1,231.53	4,494.59	7,144.61	7,025.65	118.96	60.059		
16,600.00	7,630.00	7,686.49	7,568.62	130.62	31.89	-91.80	1,231.53	4,494.59	7,244.23	7,125.22	119.01	60.871		
16,700.00	7,630.00	7,686.74	7,568.87	132.16	31.89	-91.82	1,231.53	4,494.60	7,343.86	7,224.80	119.06	61.683		
16,800.00	7,630.00	7,686.99	7,569.12	133.71	31.89	-91.84	1,231.53	4,494.60	7,443.50	7,324.40	119.11	62.495		
16,900.00	7,630.00	7,687.24	7,569.37	135.27	31.89	-91.87	1,231.53	4,494.60	7,543.16	7,424.00	119.15	63.306		
17,000.00	7,630.00	7,687.49	7,569.62	136.83	31.89	-91.89	1,231.53	4,494.60	7,642.82	7,523.61	119.20	64.117		
17,100.00	7,630.00	7,687.74	7,569.86	138.39	31.89	-91.91	1,231.53	4,494.60	7,742.48	7,623.24	119.25	64.928		
17,200.00	7,630.00	7,687.98	7,570.11	139.97	31.90	-91.93	1,231.53	4,494.60	7,842.16	7,722.87	119.29	65.738		
17,300.00	7,630.00	7,688.23	7,570.36	141.54	31.90	-91.96	1,231.53	4,494.60	7,941.85	7,822.51	119.34	66.549		
17,400.00	7,630.00	7,688.47	7,570.60	143.12	31.90	-91.98	1,231.53	4,494.60	8,041.54	7,922.16	119.38	67.358		
17,500.00	7,630.00	7,688.72	7,570.84	144.71	31.90	-92.00	1,231.53	4,494.60	8,141.24	8,021.81	119.43	68.168		
17,600.00	7,630.00	7,688.96	7,571.09	146.30	31.90	-92.02	1,231.53	4,494.60	8,240.95	8,121.48	119.47	68.977		
17,700.00	7,630.00	7,689.20	7,571.33	147.90	31.90	-92.05	1,231.53	4,494.60	8,340.66	8,221.15	119.52	69.786		
17,800.00	7,630.00	7,689.44	7,571.57	149.50	31.90	-92.07	1,231.52	4,494.60	8,440.39	8,320.82	119.56	70.595		
17,900.00	7,630.00	7,689.68	7,571.81	151.10	31.90	-92.09	1,231.52	4,494.61	8,540.11	8,420.51	119.60	71.403		
18,000.00	7,630.00	7,689.92	7,572.05	152.71	31.90	-92.11	1,231.52	4,494.61	8,639.85	8,520.20	119.65	72.211		
18,100.00	7,630.00	7,690.16	7,572.29	154.32	31.90	-92.13	1,231.52	4,494.61	8,739.59	8,619.90	119.69	73.018		
18,200.00	7,630.00	7,690.40	7,572.53	155.94	31.90	-92.16	1,231.52	4,494.61	8,839.33	8,719.60	119.73	73.825		
18,300.00	7,630.00	7,690.64	7,572.77	157.56	31.90	-92.18	1,231.52	4,494.61	8,939.09	8,819.31	119.78	74.632		
18,400.00	7,630.00	7,690.88	7,573.00	159.18	31.90	-92.20	1,231.52	4,494.61	9,038.84	8,919.03	119.82	75.438		
18,500.00	7,630.00	7,691.11	7,573.24	160.80	31.90	-92.22	1,231.52	4,494.61	9,138.61	9,018.75	119.86	76.244		
18,600.00	7,630.00	7,691.35	7,573.47	162.43	31.90	-92.24	1,231.52	4,494.61	9,238.38	9,118.47	119.90	77.049		
18,700.00	7,630.00	7,691.58	7,573.71	164.06	31.91	-92.26	1,231.52	4,494.61	9,338.15	9,218.20	119.94	77.854		
18,800.00	7,630.00	7,691.82	7,573.94	165.70	31.91	-92.28	1,231.52	4,494.61	9,437.93	9,317.94	119.99	78.659		
18,900.00	7,630.00	7,692.05	7,574.18	167.33	31.91	-92.31	1,231.52	4,494.61	9,537.71	9,417.68	120.03	79.463		
19,000.00	7,630.00	7,692.28	7,574.41	168.97	31.91	-92.33	1,231.52	4,494.61	9,637.49	9,517.43	120.07	80.267		
19,021.79	7,630.00	7,692.33	7,574.46	169.33	31.91	-92.33	1,231.52	4,494.61	9,659.24	9,539.16	120.08	80.442		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 79-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	82.06	751.02	5,382.89	5,435.63					
100.00	100.00	36.25	36.25	0.13	0.05	82.06	751.00	5,382.83	5,435.00	5,434.81	0.19	N/A		
200.00	200.00	156.85	156.85	0.49	0.40	82.06	750.84	5,382.09	5,434.34	5,433.45	0.89	6,101.939		
300.00	300.00	248.04	248.04	0.85	0.72	82.06	750.82	5,381.52	5,433.72	5,432.14	1.58	3,448.968		
400.00	400.00	354.33	354.32	1.21	1.11	82.06	750.93	5,380.89	5,433.15	5,430.83	2.31	2,347.668		
492.00	492.00	411.01	411.00	1.54	1.30	82.06	750.44	5,380.78	5,432.86	5,430.01	2.84	1,912.326		
500.00	500.00	416.02	416.01	1.57	1.32	82.06	750.34	5,380.79	5,432.86	5,429.97	2.89	1,881.800		
600.00	600.00	481.00	480.96	1.93	1.55	82.08	748.32	5,381.33	5,433.24	5,429.77	3.47	1,565.450		
700.00	700.00	534.00	533.87	2.29	1.73	82.11	745.57	5,382.22	5,434.28	5,430.27	4.01	1,354.452		
800.00	799.98	591.36	591.07	2.64	1.94	20.37	741.48	5,383.80	5,434.49	5,429.92	4.57	1,189.144		
900.00	899.84	649.48	648.89	2.99	2.15	20.46	736.13	5,386.21	5,432.40	5,427.26	5.13	1,058.384		
1,000.00	999.45	716.00	714.86	3.35	2.39	20.60	728.25	5,389.44	5,427.54	5,421.81	5.74	946.338		
1,100.00	1,098.70	764.50	762.78	3.73	2.59	20.75	721.39	5,392.31	5,420.25	5,413.97	6.28	862.534		
1,200.00	1,197.47	809.00	806.60	4.11	2.77	20.92	714.37	5,395.58	5,410.84	5,404.02	6.82	793.182		
1,300.00	1,295.62	854.27	851.05	4.53	2.96	21.12	706.68	5,399.41	5,399.22	5,391.84	7.38	731.771		
1,400.00	1,393.06	902.00	897.80	4.97	3.17	21.36	698.14	5,403.86	5,385.29	5,377.33	7.95	677.218		
1,500.00	1,489.64	962.82	957.22	5.44	3.44	21.68	686.73	5,410.04	5,368.99	5,360.39	8.60	623.984		
1,600.00	1,585.27	1,021.43	1,014.32	5.95	3.72	22.02	675.19	5,416.47	5,350.31	5,341.05	9.26	577.595		
1,700.00	1,679.82	1,084.48	1,075.44	6.51	4.03	22.42	661.62	5,423.89	5,329.21	5,319.25	9.96	534.794		
1,800.00	1,773.17	1,204.08	1,191.14	7.13	4.64	23.10	634.88	5,438.09	5,305.28	5,294.30	10.98	483.307		
1,900.00	1,865.21	1,282.65	1,267.50	7.79	5.04	23.65	618.62	5,446.94	5,278.04	5,266.24	11.80	447.338		
2,000.00	1,955.84	1,339.00	1,322.22	8.51	5.33	24.14	606.98	5,453.69	5,248.57	5,236.05	12.52	419.049		
2,100.00	2,044.94	1,411.79	1,392.73	9.30	5.72	24.76	591.33	5,462.77	5,216.74	5,203.37	13.36	390.340		
2,200.00	2,132.39	1,483.19	1,461.63	10.15	6.11	25.44	574.97	5,471.83	5,182.35	5,168.12	14.23	364.186		
2,300.00	2,218.11	1,564.71	1,540.01	11.07	6.57	26.23	555.25	5,482.43	5,145.56	5,130.38	15.18	338.893		
2,400.00	2,301.97	1,682.37	1,653.32	12.06	7.23	27.31	527.20	5,497.24	5,105.93	5,089.57	16.36	312.027		
2,500.00	2,383.88	1,755.04	1,723.59	13.11	7.64	28.18	510.88	5,506.01	5,063.46	5,046.14	17.32	292.332		
2,512.74	2,394.17	1,762.02	1,730.34	13.25	7.68	28.28	509.33	5,506.87	5,057.90	5,040.47	17.44	290.096		
2,600.00	2,464.54	1,812.75	1,779.41	14.22	7.96	28.60	498.13	5,513.23	5,019.99	5,001.77	18.22	275.502		
2,700.00	2,545.18	1,909.99	1,873.49	15.35	8.49	29.21	476.78	5,525.39	4,976.90	4,957.55	19.35	257.171		
2,800.00	2,625.82	2,016.83	1,977.15	16.50	9.08	29.88	454.20	5,538.08	4,933.68	4,913.13	20.55	240.073		
2,900.00	2,706.45	2,078.40	2,036.84	17.65	9.41	30.28	441.03	5,545.40	4,890.92	4,869.38	21.53	227.148		
3,000.00	2,787.09	2,185.15	2,140.06	18.82	10.01	30.99	416.88	5,558.00	4,848.53	4,825.74	22.79	212.760		
3,100.00	2,867.73	2,289.03	2,240.30	19.99	10.60	31.71	392.19	5,569.58	4,806.10	4,782.03	24.07	199.710		
3,200.00	2,948.37	2,401.17	2,348.90	21.17	11.22	32.48	366.91	5,581.48	4,763.70	4,738.31	25.39	187.615		
3,300.00	3,029.01	2,504.19	2,449.22	22.36	11.77	33.17	345.85	5,591.67	4,721.09	4,694.42	26.67	177.042		
3,400.00	3,109.65	2,554.00	2,497.69	23.55	12.04	33.52	335.47	5,596.53	4,678.94	4,651.26	27.68	169.018		
3,500.00	3,190.29	2,602.05	2,544.36	24.74	12.30	33.86	325.19	5,601.50	4,637.75	4,609.04	28.71	161.516		
3,600.00	3,270.93	2,648.00	2,588.90	25.94	12.55	34.18	315.18	5,606.77	4,597.81	4,568.06	29.75	154.547		
3,700.00	3,351.57	2,795.23	2,731.69	27.14	13.36	35.25	282.97	5,622.57	4,557.81	4,526.45	31.36	145.325		
3,800.00	3,432.21	2,867.64	2,801.91	28.35	13.76	35.79	266.84	5,629.84	4,517.90	4,485.31	32.59	138.631		
3,900.00	3,512.85	2,931.49	2,863.68	29.56	14.12	36.27	252.06	5,636.35	4,478.74	4,444.95	33.79	132.540		
4,000.00	3,593.49	3,019.32	2,948.67	30.76	14.61	36.95	231.83	5,645.34	4,440.17	4,405.02	35.15	126.320		
4,100.00	3,674.13	3,064.63	2,992.55	31.97	14.87	37.30	221.53	5,650.09	4,402.36	4,366.07	36.28	121.336		
4,200.00	3,754.77	3,115.00	3,041.21	33.19	15.15	37.69	209.83	5,655.75	4,365.73	4,328.28	37.46	116.545		
4,300.00	3,835.41	3,177.98	3,102.03	34.40	15.51	38.19	195.26	5,663.13	4,330.12	4,291.39	38.73	111.812		
4,400.00	3,916.05	3,305.53	3,225.63	35.62	16.22	39.19	167.45	5,677.88	4,294.93	4,254.55	40.38	106.372		
4,500.00	3,996.69	3,390.32	3,307.89	36.83	16.69	39.86	149.04	5,687.01	4,259.65	4,217.85	41.80	101.913		
4,600.00	4,077.33	3,460.27	3,375.60	38.05	17.08	40.44	133.07	5,694.39	4,225.01	4,181.85	43.16	97.891		
4,700.00	4,157.96	3,518.14	3,431.57	39.27	17.41	40.92	119.76	5,700.61	4,191.26	4,146.79	44.47	94.250		
4,800.00	4,238.60	3,567.51	3,479.27	40.49	17.69	41.33	108.37	5,706.23	4,158.69	4,112.95	45.74	90.918		
4,900.00	4,319.24	3,688.25	3,596.25	41.71	18.37	42.33	82.03	5,720.36	4,126.92	4,079.47	47.45	86.969		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 79-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	4,399.88	3,785.99	3,691.53	42.93	18.88	43.11	63.37	5,731.56	4,095.05	4,046.04	49.00	83.564		
5,100.00	4,480.52	3,857.29	3,761.06	44.15	19.25	43.70	49.81	5,739.65	4,063.74	4,013.32	50.42	80.593		
5,200.00	4,561.16	3,924.65	3,826.68	45.37	19.61	44.25	36.68	5,747.33	4,033.25	3,981.41	51.84	77.801		
5,300.00	4,641.80	3,984.59	3,885.54	46.59	19.93	44.76	24.94	5,754.36	4,003.75	3,950.52	53.23	75.216		
5,400.00	4,722.44	4,037.27	3,936.28	47.82	20.22	45.20	14.59	5,760.87	3,975.46	3,920.87	54.59	72.827		
5,500.00	4,803.08	4,124.80	4,021.37	49.04	20.69	45.94	-2.66	5,771.98	3,948.19	3,892.02	56.17	70.287		
5,600.00	4,883.72	4,199.39	4,093.91	50.27	21.09	46.58	-17.34	5,781.27	3,921.47	3,863.77	57.69	67.972		
5,700.00	4,964.36	4,389.86	4,279.93	51.49	22.07	48.19	-51.09	5,804.27	3,894.98	3,835.10	59.88	65.044		
5,800.00	5,045.00	4,472.24	4,360.79	52.71	22.48	48.88	-64.13	5,813.10	3,867.37	3,805.91	61.45	62.933		
5,900.00	5,125.64	4,537.55	4,424.63	53.94	22.80	49.46	-76.15	5,819.83	3,840.90	3,777.94	62.96	61.008		
6,000.00	5,206.28	4,612.04	4,493.78	55.17	24.16	51.94	-124.95	5,842.20	3,813.96	3,748.30	65.66	58.086		
6,100.00	5,286.92	4,675.01	4,755.96	56.39	24.44	52.50	-133.98	5,846.45	3,785.30	3,718.13	67.18	56.348		
6,200.00	5,367.56	5,388.52	5,266.68	57.62	26.32	56.96	-178.54	5,864.51	3,754.76	3,684.57	70.19	53.497		
6,300.00	5,448.20	5,469.79	5,347.85	58.84	26.55	57.68	-182.25	5,863.43	3,718.58	3,646.83	71.74	51.833		
6,400.00	5,528.84	5,594.58	5,472.63	60.07	26.86	58.75	-183.52	5,862.47	3,682.20	3,608.88	73.32	50.224		
6,500.00	5,609.47	5,685.60	5,563.64	61.30	27.07	59.52	-183.07	5,861.96	3,646.18	3,571.34	74.84	48.721		
6,600.00	5,690.11	5,780.91	5,658.95	62.53	27.28	60.34	-182.36	5,860.96	3,610.33	3,533.94	76.38	47.267		
6,700.00	5,770.75	5,858.73	5,736.76	63.75	27.46	61.02	-181.76	5,860.07	3,575.04	3,497.10	77.94	45.872		
6,800.00	5,851.39	5,933.00	5,811.02	64.98	27.63	61.69	-181.49	5,859.19	3,540.52	3,461.01	79.51	44.529		
6,900.00	5,932.03	6,014.85	5,892.87	66.21	27.83	62.43	-181.28	5,858.21	3,506.73	3,425.62	81.11	43.233		
7,000.00	6,012.67	6,120.97	5,998.97	67.44	28.08	63.41	-180.79	5,856.60	3,473.33	3,390.58	82.75	41.974		
7,100.00	6,093.31	6,200.26	6,078.24	68.66	28.27	64.15	-180.16	5,855.23	3,440.38	3,356.00	84.38	40.772		
7,200.00	6,173.95	6,285.43	6,163.40	69.89	28.47	64.95	-179.28	5,853.79	3,408.09	3,322.06	86.03	39.615		
7,300.00	6,254.59	6,361.17	6,239.13	71.12	28.65	65.68	-178.40	5,852.52	3,376.52	3,288.83	87.69	38.505		
7,400.00	6,335.23	6,419.17	6,297.11	72.35	28.79	66.23	-177.65	5,851.79	3,345.98	3,256.63	89.35	37.447		
7,500.00	6,415.87	6,465.39	6,343.33	73.58	28.90	66.68	-177.24	5,851.63	3,316.99	3,225.97	91.02	36.444		
7,600.00	6,496.51	6,528.49	6,406.43	74.81	29.07	67.29	-177.01	5,851.91	3,289.53	3,196.83	92.71	35.483		
7,700.00	6,577.15	6,608.78	6,486.72	76.04	29.29	68.09	-177.08	5,852.17	3,263.07	3,168.63	94.44	34.551		
7,800.00	6,657.79	6,699.16	6,577.10	77.27	29.55	69.00	-177.34	5,852.18	3,237.35	3,141.15	96.21	33.650		
7,900.00	6,738.43	6,790.99	6,668.93	78.50	29.80	69.94	-177.53	5,851.72	3,212.15	3,114.17	97.98	32.783		
8,000.00	6,819.07	6,862.39	6,740.33	79.73	29.99	70.68	-177.61	5,851.47	3,187.91	3,088.17	99.74	31.963		
8,100.00	6,899.71	6,930.28	6,808.22	80.96	30.18	71.38	-177.76	5,851.47	3,164.87	3,063.38	101.50	31.182		
8,200.00	6,980.35	7,006.73	6,884.67	82.18	30.40	72.19	-178.10	5,851.63	3,143.04	3,039.77	103.27	30.434		
8,240.58	7,013.07	7,039.83	6,917.77	82.68	30.50	72.53	-178.26	5,851.69	3,134.46	3,030.46	104.00	30.139		
8,250.00	7,020.68	7,047.53	6,925.47	82.80	30.52	71.29	-178.30	5,851.71	3,132.43	3,028.26	104.17	30.071		
8,300.00	7,061.63	7,092.59	6,970.52	83.40	30.65	64.15	-178.52	5,851.75	3,119.88	3,014.85	105.03	29.705		
8,350.00	7,103.23	7,138.43	7,016.37	83.97	30.78	56.15	-178.74	5,851.71	3,104.33	2,998.51	105.83	29.334		
8,400.00	7,145.18	7,177.27	7,055.21	84.51	30.90	47.46	-178.95	5,851.64	3,085.89	2,979.35	106.54	28.965		
8,450.00	7,187.16	7,215.39	7,093.33	85.01	31.01	38.43	-179.18	5,851.62	3,064.68	2,957.51	107.17	28.597		
8,500.00	7,228.84	7,257.08	7,135.02	85.46	31.13	29.36	-179.46	5,851.61	3,040.82	2,933.10	107.72	28.230		
8,550.00	7,269.91	7,302.55	7,180.48	85.86	31.26	20.47	-179.76	5,851.55	3,014.35	2,906.16	108.18	27.863		
8,600.00	7,310.05	7,344.42	7,222.35	86.20	31.39	11.82	-180.03	5,851.43	2,985.43	2,876.88	108.55	27.502		
8,650.00	7,348.97	7,381.47	7,259.40	86.50	31.50	3.40	-180.30	5,851.32	2,954.33	2,845.51	108.82	27.148		
8,700.00	7,386.36	7,417.13	7,295.06	86.74	31.60	-4.84	-180.59	5,851.20	2,921.28	2,812.29	108.99	26.802		
8,750.00	7,421.94	7,451.15	7,329.08	86.93	31.70	-13.01	-180.91	5,851.08	2,886.53	2,777.47	109.07	26.466		
8,800.00	7,455.44	7,483.27	7,361.20	87.07	31.80	-21.22	-181.24	5,850.97	2,850.36	2,741.32	109.04	26.140		
8,850.00	7,486.61	7,513.26	7,391.18	87.16	31.88	-29.53	-181.57	5,850.86	2,813.06	2,704.14	108.92	25.827		
8,900.00	7,515.20	7,538.00	7,415.92	87.20	31.96	-37.86	-181.88	5,850.77	2,774.96	2,666.26	108.70	25.529		
8,950.00	7,541.00	7,560.23	7,438.15	87.21	32.03	-46.15	-182.20	5,850.70	2,736.43	2,628.05	108.38	25.249		
9,000.00	7,563.81	7,580.09	7,458.01	87.17	32.09	-54.23	-182.52	5,850.65	2,697.81	2,589.84	107.97	24.988		
9,050.00	7,583.47	7,597.43	7,475.34	87.10	32.14	-61.90	-182.82	5,850.61	2,659.46	2,552.00	107.46	24.748		
9,100.00	7,599.81	7,613.05	7,490.96	87.00	32.19	-68.97	-183.11	5,850.57	2,621.76	2,514.89	106.87	24.532		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ BURY CRANDELL 42-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 79-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,150.00	7,612.72	7,628.43	7,506.34	86.88	32.23	-75.36	-183.38	5,850.55	2,585.08	2,478.88	106.20	24.342		
9,200.00	7,622.09	7,639.75	7,517.65	86.72	32.27	-80.86	-183.57	5,850.54	2,549.78	2,444.34	105.44	24.182		
9,250.00	7,627.87	7,646.97	7,524.87	86.55	32.29	-85.45	-183.68	5,850.53	2,516.26	2,411.65	104.61	24.054		
9,303.98	7,630.00	7,650.19	7,528.09	86.35	32.30	-89.40	-183.73	5,850.53	2,482.48	2,378.85	103.64	23.954		
9,400.00	7,630.00	7,651.70	7,529.61	85.99	32.31	-89.44	-183.75	5,850.53	2,426.08	2,324.29	101.79	23.834		
9,500.00	7,630.00	7,653.24	7,531.14	85.62	32.31	-89.48	-183.77	5,850.53	2,370.06	2,270.29	99.77	23.756		
9,600.00	7,630.00	7,654.74	7,532.64	85.28	32.31	-89.53	-183.79	5,850.53	2,316.99	2,219.34	97.65	23.728		
9,700.00	7,630.00	7,656.21	7,534.11	84.95	32.32	-89.57	-183.81	5,850.53	2,267.10	2,171.66	95.44	23.755		
9,800.00	7,630.00	7,657.64	7,535.54	84.64	32.32	-89.61	-183.83	5,850.53	2,220.59	2,127.43	93.15	23.838		
9,900.00	7,630.00	7,659.04	7,536.94	84.34	32.33	-89.65	-183.85	5,850.53	2,177.68	2,086.86	90.82	23.978		
10,000.00	7,630.00	7,660.41	7,538.31	84.06	32.33	-89.69	-183.87	5,850.53	2,138.59	2,050.12	88.47	24.173		
10,100.00	7,630.00	7,661.75	7,539.65	83.80	32.34	-89.73	-183.89	5,850.53	2,103.53	2,017.38	86.14	24.420		
10,200.00	7,630.00	7,663.06	7,540.96	83.56	32.34	-89.77	-183.90	5,850.53	2,072.70	1,988.81	83.89	24.709		
10,300.00	7,630.00	7,664.34	7,542.24	83.33	32.34	-89.81	-183.92	5,850.53	2,046.30	1,964.53	81.77	25.026		
10,400.00	7,630.00	7,665.59	7,543.50	83.12	32.35	-89.84	-183.94	5,850.53	2,024.50	1,944.63	79.86	25.349		
10,500.00	7,630.00	7,666.82	7,544.72	82.92	32.35	-89.88	-183.95	5,850.53	2,007.45	1,929.19	78.25	25.653		
10,600.00	7,630.00	7,668.02	7,545.92	82.75	32.36	-89.91	-183.97	5,850.53	1,995.27	1,918.25	77.02	25.905		
10,700.00	7,630.00	7,669.20	7,547.10	82.59	32.36	-89.95	-183.98	5,850.53	1,988.05	1,911.81	76.24	26.076		
10,793.79	7,630.00	7,670.28	7,548.18	82.46	32.36	-89.98	-184.00	5,850.53	1,985.84	1,909.87	75.97	26.141 CC, ES		
10,800.00	7,630.00	7,670.35	7,548.25	82.45	32.36	-89.98	-184.00	5,850.53	1,985.85	1,909.88	75.96	26.142		
10,900.00	7,630.00	7,671.48	7,549.38	82.33	32.37	-90.01	-184.01	5,850.53	1,988.68	1,912.46	76.22	26.092		
11,000.00	7,630.00	7,672.58	7,550.48	82.22	32.37	-90.04	-184.02	5,850.53	1,996.51	1,919.52	76.99	25.932		
11,100.00	7,630.00	7,673.66	7,551.57	82.14	32.37	-90.07	-184.04	5,850.53	2,009.31	1,931.07	78.24	25.681		
11,200.00	7,630.00	7,674.73	7,552.63	82.08	32.38	-90.10	-184.05	5,850.53	2,026.95	1,947.06	79.90	25.370		
11,300.00	7,630.00	7,675.77	7,553.67	82.04	32.38	-90.13	-184.06	5,850.53	2,049.33	1,967.46	81.88	25.030		
11,400.00	7,630.00	7,676.79	7,554.69	82.02	32.38	-90.16	-184.07	5,850.54	2,076.29	1,992.20	84.09	24.690		
11,500.00	7,630.00	7,677.79	7,555.69	82.03	32.39	-90.19	-184.09	5,850.54	2,107.66	2,021.19	86.47	24.375		
11,600.00	7,630.00	7,678.77	7,556.68	82.06	32.39	-90.22	-184.10	5,850.54	2,143.23	2,054.30	88.93	24.100		
11,700.00	7,630.00	7,679.74	7,557.64	82.12	32.39	-90.25	-184.11	5,850.54	2,182.81	2,091.39	91.42	23.876		
11,800.00	7,630.00	7,680.68	7,558.59	82.21	32.39	-90.28	-184.12	5,850.54	2,226.18	2,132.29	93.90	23.709		
11,900.00	7,630.00	7,681.61	7,559.51	82.33	32.40	-90.30	-184.13	5,850.54	2,273.13	2,176.81	96.32	23.600		
12,000.00	7,630.00	7,682.52	7,560.43	82.48	32.40	-90.33	-184.14	5,850.54	2,323.43	2,224.77	98.66	23.550 SF		
12,100.00	7,630.00	7,683.42	7,561.32	82.66	32.40	-90.36	-184.15	5,850.54	2,376.88	2,275.97	100.90	23.556		
12,200.00	7,630.00	7,684.30	7,562.20	82.88	32.41	-90.38	-184.16	5,850.54	2,433.26	2,330.22	103.04	23.615		
12,300.00	7,630.00	7,685.16	7,563.06	83.14	32.41	-90.41	-184.17	5,850.54	2,492.38	2,387.32	105.06	23.723		
12,400.00	7,630.00	7,686.01	7,563.91	83.44	32.41	-90.43	-184.18	5,850.54	2,554.05	2,447.08	106.97	23.877		
12,500.00	7,630.00	7,686.84	7,564.74	83.79	32.41	-90.45	-184.18	5,850.54	2,618.09	2,509.33	108.76	24.073		
12,600.00	7,630.00	7,687.66	7,565.56	84.18	32.42	-90.48	-184.19	5,850.54	2,684.32	2,573.89	110.43	24.308		
12,700.00	7,630.00	7,688.46	7,566.37	84.61	32.42	-90.50	-184.20	5,850.55	2,752.60	2,640.60	112.00	24.578		
12,800.00	7,630.00	7,689.25	7,567.16	85.10	32.42	-90.52	-184.21	5,850.55	2,822.76	2,709.31	113.46	24.880		
12,900.00	7,630.00	7,690.03	7,567.93	85.64	32.42	-90.55	-184.22	5,850.55	2,894.68	2,779.87	114.82	25.211		
13,000.00	7,630.00	7,690.80	7,568.70	86.22	32.43	-90.57	-184.23	5,850.55	2,968.23	2,852.14	116.08	25.570		
13,100.00	7,630.00	7,691.55	7,569.45	86.86	32.43	-90.59	-184.23	5,850.55	3,043.28	2,926.02	117.26	25.953		
13,200.00	7,630.00	7,692.29	7,570.19	87.56	32.43	-90.61	-184.24	5,850.55	3,119.74	3,001.38	118.36	26.358		
13,300.00	7,630.00	7,693.01	7,570.92	88.30	32.43	-90.63	-184.25	5,850.55	3,197.49	3,078.11	119.38	26.783		
13,400.00	7,630.00	7,693.73	7,571.63	89.10	32.43	-90.65	-184.25	5,850.55	3,276.45	3,156.12	120.34	27.228		
13,500.00	7,630.00	7,694.43	7,572.33	89.94	32.44	-90.67	-184.26	5,850.55	3,356.54	3,235.32	121.22	27.689		
13,600.00	7,630.00	7,695.12	7,573.03	90.84	32.44	-90.69	-184.27	5,850.55	3,437.66	3,315.62	122.05	28.166		
13,700.00	7,630.00	7,695.81	7,573.71	91.78	32.44	-90.71	-184.27	5,850.55	3,519.76	3,396.94	122.82	28.658		
13,800.00	7,630.00	7,696.48	7,574.38	92.77	32.44	-90.73	-184.28	5,850.55	3,602.76	3,479.23	123.54	29.163		
13,900.00	7,630.00	7,704.00	7,581.90	93.79	32.47	-90.95	-184.35	5,850.57	3,686.62	3,562.42	124.20	29.682		
14,000.00	7,630.00	7,704.00	7,581.90	94.86	32.47	-90.95	-184.35	5,850.57	3,771.25	3,646.42	124.83	30.211		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 79-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,100.00	7,630.00	7,704.00	7,581.90	95.97	32.47	-90.95	-184.35	5,850.57	3,856.62	3,731.20	125.42	30.750		
14,200.00	7,630.00	7,704.00	7,581.90	97.11	32.47	-90.95	-184.35	5,850.57	3,942.67	3,816.70	125.97	31.298		
14,300.00	7,630.00	7,704.00	7,581.90	98.28	32.47	-90.95	-184.35	5,850.57	4,029.37	3,902.89	126.49	31.856		
14,400.00	7,630.00	7,704.00	7,581.90	99.48	32.47	-90.95	-184.35	5,850.57	4,116.68	3,989.70	126.97	32.422		
14,500.00	7,630.00	7,704.00	7,581.90	100.72	32.47	-90.95	-184.35	5,850.57	4,204.54	4,077.12	127.43	32.995		
14,600.00	7,630.00	7,704.00	7,581.90	101.97	32.47	-90.95	-184.35	5,850.57	4,292.94	4,165.09	127.86	33.576		
14,700.00	7,630.00	7,704.00	7,581.90	103.26	32.47	-90.95	-184.35	5,850.57	4,381.84	4,253.58	128.26	34.164		
14,800.00	7,630.00	7,704.00	7,581.90	104.56	32.47	-90.95	-184.35	5,850.57	4,471.21	4,342.57	128.64	34.758		
14,900.00	7,630.00	7,704.00	7,581.90	105.89	32.47	-90.95	-184.35	5,850.57	4,561.02	4,432.02	128.99	35.358		
15,000.00	7,630.00	7,704.00	7,581.90	107.24	32.47	-90.95	-184.35	5,850.57	4,651.24	4,521.91	129.33	35.964		
15,100.00	7,630.00	7,704.50	7,582.40	108.60	32.47	-90.96	-184.35	5,850.57	4,741.86	4,612.21	129.65	36.574		
15,200.00	7,630.00	7,705.35	7,583.25	109.98	32.47	-90.99	-184.36	5,850.57	4,832.85	4,702.89	129.95	37.189		
15,300.00	7,630.00	7,706.20	7,584.10	111.38	32.47	-91.01	-184.37	5,850.57	4,924.18	4,793.94	130.24	37.809		
15,400.00	7,630.00	7,707.05	7,584.95	112.79	32.47	-91.04	-184.37	5,850.57	5,015.85	4,885.34	130.51	38.433		
15,500.00	7,630.00	7,707.91	7,585.81	114.22	32.48	-91.06	-184.38	5,850.57	5,107.83	4,977.06	130.76	39.061		
15,600.00	7,630.00	7,708.76	7,586.66	115.66	32.48	-91.09	-184.39	5,850.58	5,200.10	5,069.09	131.01	39.693		
15,700.00	7,630.00	7,709.62	7,587.52	117.11	32.48	-91.11	-184.40	5,850.58	5,292.66	5,161.42	131.24	40.328		
15,800.00	7,630.00	7,710.48	7,588.38	118.57	32.49	-91.14	-184.40	5,850.58	5,385.48	5,254.02	131.46	40.966		
15,900.00	7,630.00	7,711.34	7,589.24	120.05	32.49	-91.16	-184.41	5,850.58	5,478.55	5,346.88	131.67	41.608		
16,000.00	7,630.00	7,712.20	7,590.10	121.53	32.49	-91.19	-184.42	5,850.58	5,571.87	5,440.00	131.87	42.252		
16,100.00	7,630.00	7,713.07	7,590.97	123.03	32.49	-91.21	-184.43	5,850.58	5,665.41	5,533.35	132.06	42.899		
16,200.00	7,630.00	7,713.93	7,591.83	124.53	32.50	-91.24	-184.43	5,850.58	5,759.17	5,626.92	132.25	43.549		
16,300.00	7,630.00	7,714.80	7,592.70	126.04	32.50	-91.26	-184.44	5,850.59	5,853.13	5,720.71	132.42	44.201		
16,400.00	7,630.00	7,715.67	7,593.57	127.56	32.50	-91.29	-184.45	5,850.59	5,947.30	5,814.71	132.59	44.855		
16,500.00	7,630.00	7,716.54	7,594.44	129.09	32.50	-91.31	-184.46	5,850.59	6,041.65	5,908.90	132.75	45.512		
16,600.00	7,630.00	7,717.41	7,595.32	130.62	32.51	-91.34	-184.46	5,850.59	6,136.18	6,003.27	132.90	46.170		
16,700.00	7,630.00	7,718.29	7,596.19	132.16	32.51	-91.36	-184.47	5,850.59	6,230.87	6,097.82	133.05	46.831		
16,800.00	7,630.00	7,719.17	7,597.07	133.71	32.51	-91.39	-184.48	5,850.60	6,325.74	6,192.54	133.19	47.493		
16,900.00	7,630.00	7,720.05	7,597.95	135.27	32.51	-91.41	-184.49	5,850.60	6,420.75	6,287.43	133.33	48.157		
17,000.00	7,630.00	7,720.93	7,598.83	136.83	32.52	-91.44	-184.49	5,850.60	6,515.92	6,382.46	133.46	48.823		
17,100.00	7,630.00	7,721.81	7,599.71	138.39	32.52	-91.46	-184.50	5,850.60	6,611.23	6,477.64	133.59	49.490		
17,200.00	7,630.00	7,722.69	7,600.59	139.97	32.52	-91.49	-184.51	5,850.60	6,706.68	6,572.97	133.71	50.159		
17,300.00	7,630.00	7,723.58	7,601.48	141.54	32.53	-91.51	-184.52	5,850.61	6,802.25	6,668.43	133.83	50.829		
17,400.00	7,630.00	7,724.47	7,602.37	143.12	32.53	-91.54	-184.53	5,850.61	6,897.96	6,764.02	133.94	51.500		
17,500.00	7,630.00	7,725.36	7,603.26	144.71	32.53	-91.57	-184.53	5,850.61	6,993.78	6,859.73	134.05	52.173		
17,600.00	7,630.00	7,726.25	7,604.15	146.30	32.53	-91.59	-184.54	5,850.61	7,089.72	6,955.56	134.16	52.847		
17,700.00	7,630.00	7,727.15	7,605.05	147.90	32.54	-91.62	-184.55	5,850.61	7,185.76	7,051.50	134.26	53.522		
17,800.00	7,630.00	7,728.04	7,605.94	149.50	32.54	-91.64	-184.56	5,850.62	7,281.92	7,147.56	134.36	54.197		
17,900.00	7,630.00	7,728.94	7,606.84	151.10	32.54	-91.67	-184.56	5,850.62	7,378.17	7,243.72	134.46	54.874		
18,000.00	7,630.00	7,729.84	7,607.74	152.71	32.54	-91.69	-184.57	5,850.62	7,474.53	7,339.98	134.55	55.552		
18,100.00	7,630.00	7,730.74	7,608.64	154.32	32.55	-91.72	-184.58	5,850.62	7,570.98	7,436.34	134.64	56.231		
18,200.00	7,630.00	7,731.64	7,609.54	155.94	32.55	-91.75	-184.59	5,850.62	7,667.52	7,532.79	134.73	56.910		
18,300.00	7,630.00	7,732.55	7,610.45	157.56	32.55	-91.77	-184.60	5,850.63	7,764.15	7,629.33	134.82	57.591		
18,400.00	7,630.00	7,733.46	7,611.36	159.18	32.56	-91.80	-184.60	5,850.63	7,860.86	7,725.96	134.90	58.272		
18,500.00	7,630.00	7,734.37	7,612.27	160.80	32.56	-91.82	-184.61	5,850.63	7,957.65	7,822.67	134.98	58.953		
18,600.00	7,630.00	7,735.28	7,613.18	162.43	32.56	-91.85	-184.62	5,850.63	8,054.52	7,919.46	135.06	59.636		
18,700.00	7,630.00	7,736.19	7,614.09	164.06	32.56	-91.88	-184.63	5,850.64	8,151.47	8,016.33	135.14	60.319		
18,800.00	7,630.00	7,737.11	7,615.01	165.70	32.57	-91.90	-184.64	5,850.64	8,248.49	8,113.27	135.22	61.002		
18,900.00	7,630.00	7,738.02	7,615.92	167.33	32.57	-91.93	-184.65	5,850.64	8,345.58	8,210.29	135.29	61.686		
19,000.00	7,630.00	7,738.94	7,616.84	168.97	32.57	-91.96	-184.65	5,850.64	8,442.74	8,307.37	135.36	62.371		
19,021.79	7,630.00	7,739.14	7,617.04	169.33	32.57	-91.96	-184.66	5,850.64	8,463.91	8,328.54	135.38	62.520		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ BURY CRANDELL 6-0-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 139-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	81.97	761.95	5,402.48	5,456.57					
100.00	100.00	54.72	54.72	0.13	0.09	81.97	761.96	5,402.30	5,455.89	5,455.67	0.22	N/A		
200.00	200.00	177.30	177.29	0.49	0.36	81.97	762.17	5,400.71	5,454.55	5,453.69	0.86	6,371.704		
300.00	300.00	230.54	230.52	0.85	0.55	81.96	762.69	5,400.29	5,453.89	5,452.49	1.40	3,889.699		
400.00	400.00	328.34	328.29	1.21	0.90	81.94	765.10	5,399.74	5,453.69	5,451.58	2.11	2,587.622		
426.64	426.64	344.70	344.63	1.31	0.96	81.93	765.79	5,399.63	5,453.67	5,451.40	2.26	2,410.441		
500.00	500.00	395.52	395.37	1.57	1.15	81.90	768.69	5,399.33	5,453.82	5,451.11	2.71	2,013.345		
600.00	600.00	460.81	460.44	1.93	1.39	81.84	774.06	5,399.04	5,454.55	5,451.24	3.31	1,648.702		
700.00	700.00	1,102.83	1,090.40	2.29	4.23	80.61	885.80	5,358.53	5,451.76	5,445.27	6.49	839.508		
800.00	799.98	1,185.86	1,170.81	2.64	4.67	18.69	903.97	5,348.55	5,441.62	5,434.35	7.27	748.494		
900.00	899.84	1,280.93	1,263.19	2.99	5.15	18.57	923.48	5,337.45	5,428.43	5,420.33	8.10	670.101		
1,000.00	999.45	1,321.58	1,302.78	3.35	5.36	18.59	931.50	5,333.00	5,412.57	5,403.91	8.66	625.020		
1,100.00	1,098.70	1,371.00	1,350.95	3.73	5.61	18.61	941.41	5,328.08	5,394.49	5,385.23	9.26	582.329		
1,200.00	1,197.47	1,424.64	1,403.17	4.11	5.88	18.65	952.65	5,323.11	5,374.03	5,364.13	9.90	542.965		
1,300.00	1,295.62	1,526.02	1,501.42	4.53	6.42	18.60	975.80	5,313.84	5,350.87	5,340.08	10.79	495.917		
1,400.00	1,393.06	1,669.39	1,639.58	4.97	7.21	18.47	1,011.18	5,299.21	5,323.83	5,311.90	11.93	446.123		
1,500.00	1,489.64	1,723.79	1,692.17	5.44	7.50	18.57	1,024.04	5,293.82	5,293.73	5,281.13	12.60	420.194		
1,600.00	1,585.27	1,819.88	1,785.46	5.95	8.01	18.63	1,045.27	5,284.81	5,260.86	5,247.38	13.48	390.350		
1,700.00	1,679.82	1,908.37	1,871.65	6.51	8.47	18.76	1,063.52	5,276.64	5,224.79	5,210.49	14.31	365.209		
1,800.00	1,773.17	1,974.35	1,936.17	7.13	8.80	18.96	1,076.08	5,270.91	5,185.94	5,170.91	15.02	345.178		
1,900.00	1,865.21	2,045.08	2,005.31	7.79	9.15	19.19	1,089.82	5,265.17	5,144.61	5,128.83	15.77	326.141		
2,000.00	1,955.84	2,245.27	2,199.68	8.51	10.21	19.28	1,133.76	5,246.09	5,099.58	5,082.38	17.19	296.583		
2,100.00	2,044.94	2,356.34	2,307.76	9.30	10.78	19.56	1,156.36	5,234.10	5,050.20	5,032.04	18.16	278.115		
2,200.00	2,132.39	2,427.19	2,376.99	10.15	11.14	19.94	1,169.43	5,226.68	4,997.99	4,979.06	18.93	264.028		
2,300.00	2,218.11	2,484.27	2,432.73	11.07	11.43	20.36	1,180.32	5,220.91	4,943.42	4,923.77	19.65	251.623		
2,400.00	2,301.97	2,537.61	2,484.72	12.06	11.70	20.83	1,191.05	5,215.72	4,886.59	4,866.22	20.36	239.964		
2,500.00	2,383.88	2,596.64	2,542.17	13.11	12.01	21.34	1,203.45	5,210.24	4,827.58	4,806.46	21.12	228.561		
2,512.74	2,394.17	2,615.82	2,560.82	13.25	12.11	21.41	1,207.55	5,208.46	4,819.88	4,798.60	21.28	226.524		
2,600.00	2,464.54	2,727.23	2,669.07	14.22	12.70	21.38	1,231.47	5,197.39	4,766.56	4,744.35	22.22	214.529		
2,700.00	2,545.18	2,832.49	2,771.36	15.35	13.26	21.36	1,253.71	5,186.30	4,704.97	4,681.77	23.20	202.813		
2,800.00	2,625.82	2,909.18	2,845.70	16.50	13.67	21.33	1,270.53	5,177.82	4,643.10	4,619.03	24.06	192.950		
2,900.00	2,706.45	2,960.00	2,894.87	17.65	13.95	21.31	1,282.10	5,172.26	4,581.47	4,556.65	24.83	184.536		
3,000.00	2,787.09	3,020.42	2,953.16	18.82	14.29	21.27	1,296.62	5,165.81	4,520.23	4,494.58	25.65	176.194		
3,100.00	2,867.73	3,075.92	3,006.50	19.99	14.61	21.22	1,310.86	5,160.10	4,459.50	4,433.03	26.47	168.462		
3,200.00	2,948.37	3,140.66	3,068.67	21.17	14.98	21.15	1,327.73	5,153.65	4,399.09	4,371.74	27.34	160.879		
3,300.00	3,029.01	3,251.14	3,174.76	22.36	15.62	21.03	1,356.45	5,142.48	4,338.57	4,310.15	28.42	152.644		
3,400.00	3,109.65	3,352.62	3,272.15	23.55	16.21	20.92	1,382.82	5,131.57	4,277.54	4,248.08	29.46	145.197		
3,500.00	3,190.29	3,411.59	3,328.69	24.74	16.56	20.85	1,398.32	5,125.24	4,216.56	4,186.24	30.32	139.054		
3,600.00	3,270.93	3,536.44	3,448.19	25.94	17.30	20.68	1,431.67	5,111.25	4,155.33	4,123.87	31.46	132.069		
3,700.00	3,351.57	3,610.04	3,518.53	27.14	17.74	20.58	1,451.49	5,102.57	4,093.67	4,061.27	32.40	126.365		
3,800.00	3,432.21	3,670.76	3,576.74	28.35	18.10	20.50	1,467.33	5,095.67	4,032.21	3,998.94	33.27	121.197		
3,900.00	3,512.85	3,732.19	3,636.02	29.56	18.45	20.44	1,482.11	5,089.23	3,971.14	3,936.99	34.15	116.288		
4,000.00	3,593.49	3,796.86	3,698.45	30.76	18.81	20.38	1,497.69	5,082.71	3,910.38	3,875.34	35.04	111.606		
4,100.00	3,674.13	3,914.00	3,811.17	31.97	19.48	20.24	1,527.00	5,070.32	3,849.39	3,813.29	36.11	106.615		
4,200.00	3,754.77	4,007.29	3,901.28	33.19	20.01	20.16	1,548.87	5,060.10	3,787.87	3,750.78	37.08	102.142		
4,300.00	3,835.41	4,085.14	3,976.70	34.40	20.43	20.10	1,566.24	5,051.63	3,726.23	3,688.23	38.00	98.060		
4,400.00	3,916.05	4,147.21	4,036.97	35.62	20.76	20.06	1,579.57	5,045.11	3,664.75	3,625.88	38.87	94.280		
4,500.00	3,996.69	4,220.11	4,108.03	36.83	21.14	20.04	1,594.18	5,037.98	3,603.59	3,563.82	39.77	90.616		
4,600.00	4,077.33	4,332.18	4,217.37	38.05	21.71	20.02	1,616.06	5,026.79	3,542.25	3,501.51	40.74	86.951		
4,700.00	4,157.96	4,456.14	4,337.91	39.27	22.36	19.96	1,641.20	5,012.50	3,479.76	3,438.03	41.72	83.399		
4,800.00	4,238.60	4,503.53	4,383.96	40.49	22.61	19.94	1,650.91	5,006.92	3,417.16	3,374.58	42.58	80.261		
4,900.00	4,319.24	4,555.00	4,434.14	41.71	22.88	19.93	1,660.99	5,001.52	3,355.34	3,311.89	43.44	77.234		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ BURY CRANDELL 6-0-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 139-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	4,399.88	4,585.63	4,464.11	42.93	23.02	19.93	1,666.64	4,998.73	3,294.37	3,250.09	44.28	74.402		
5,100.00	4,480.52	4,621.87	4,499.72	44.15	23.19	19.94	1,672.83	4,995.99	3,234.47	3,189.34	45.13	71.668		
5,200.00	4,561.16	4,701.67	4,578.48	45.37	23.55	20.02	1,684.74	4,991.28	3,175.50	3,129.48	46.03	68.995		
5,300.00	4,641.80	4,793.99	4,669.88	46.59	23.93	20.17	1,696.32	4,985.41	3,115.76	3,068.85	46.91	66.419		
5,400.00	4,722.44	4,860.17	4,735.61	47.82	24.18	20.31	1,702.99	4,981.74	3,056.30	3,008.52	47.78	63.961		
5,500.00	4,803.08	4,925.43	4,800.56	49.04	24.42	20.48	1,708.70	4,978.62	2,997.25	2,948.59	48.66	61.596		
5,600.00	4,883.72	5,012.50	4,887.32	50.27	24.72	20.75	1,714.98	4,974.88	2,938.36	2,888.82	49.53	59.324		
5,700.00	4,964.36	5,070.76	4,945.44	51.49	24.91	20.96	1,718.24	4,972.66	2,879.65	2,829.23	50.42	57.116		
5,800.00	5,045.00	5,132.22	5,006.82	52.71	25.09	21.22	1,720.90	4,971.03	2,821.68	2,770.37	51.31	54.989		
5,900.00	5,125.64	5,221.79	5,098.36	53.94	25.33	21.68	1,721.68	4,969.30	2,763.84	2,711.64	52.20	52.950		
6,000.00	5,206.28	5,284.08	5,158.63	55.17	25.47	22.05	1,720.72	4,968.53	2,706.29	2,653.18	53.11	50.961		
6,100.00	5,286.92	5,364.95	5,239.48	56.39	25.65	22.57	1,718.77	4,967.89	2,649.13	2,595.11	54.02	49.040		
6,200.00	5,367.56	5,446.12	5,340.62	57.62	25.88	23.24	1,716.47	4,966.59	2,591.77	2,536.84	54.93	47.185		
6,300.00	5,448.20	5,546.87	5,421.33	58.84	26.07	23.81	1,714.56	4,965.05	2,534.06	2,478.17	55.89	45.341		
6,400.00	5,528.84	5,617.31	5,491.74	60.07	26.23	24.32	1,713.06	4,963.83	2,476.70	2,419.80	56.89	43.533		
6,500.00	5,609.47	5,685.72	5,560.13	61.30	26.40	24.82	1,712.04	4,962.90	2,419.86	2,361.94	57.92	41.776		
6,600.00	5,690.11	5,757.38	5,631.79	62.53	26.57	25.36	1,711.27	4,962.15	2,363.53	2,304.55	58.98	40.072		
6,700.00	5,770.75	5,837.42	5,711.83	63.75	26.77	25.98	1,710.58	4,961.45	2,307.55	2,247.50	60.06	38.422		
6,800.00	5,851.39	5,911.81	5,786.21	64.98	26.96	26.59	1,710.06	4,960.82	2,251.82	2,190.64	61.18	36.808		
6,900.00	5,932.03	5,987.59	5,861.99	66.21	27.15	27.22	1,709.81	4,960.41	2,196.58	2,134.25	62.33	35.243		
7,000.00	6,012.67	6,069.71	5,944.10	67.44	27.37	27.93	1,709.62	4,959.91	2,141.54	2,078.03	63.50	33.723		
7,100.00	6,093.31	6,145.86	6,020.26	68.66	27.57	28.62	1,709.68	4,959.51	2,086.82	2,022.09	64.73	32.238		
7,200.00	6,173.95	6,226.46	6,100.85	69.89	27.79	29.38	1,709.98	4,959.14	2,032.45	1,966.46	66.00	30.797		
7,300.00	6,254.59	6,301.61	6,176.00	71.12	28.00	30.11	1,710.40	4,958.86	1,978.46	1,911.15	67.31	29.392		
7,400.00	6,335.23	6,374.90	6,249.30	72.35	28.20	30.86	1,710.82	4,958.84	1,925.04	1,856.36	68.68	28.029		
7,500.00	6,415.87	6,451.89	6,326.29	73.58	28.41	31.70	1,710.84	4,959.14	1,872.27	1,802.17	70.10	26.710		
7,600.00	6,496.51	6,536.75	6,411.14	74.81	28.63	32.68	1,710.85	4,959.36	1,819.77	1,748.22	71.55	25.434		
7,700.00	6,577.15	6,615.53	6,489.92	76.04	28.85	33.63	1,710.80	4,959.56	1,767.67	1,694.59	73.08	24.188		
7,800.00	6,657.79	6,705.09	6,579.48	77.27	29.08	34.78	1,710.61	4,959.59	1,715.84	1,641.19	74.65	22.984		
7,900.00	6,738.43	6,784.58	6,658.97	78.50	29.30	35.87	1,710.46	4,959.44	1,664.33	1,588.00	76.32	21.806		
8,000.00	6,819.07	6,867.34	6,741.73	79.73	29.52	37.05	1,710.40	4,959.29	1,613.33	1,535.27	78.07	20.666		
8,100.00	6,899.71	6,948.59	6,822.97	80.96	29.75	38.28	1,710.39	4,958.99	1,562.82	1,482.92	79.90	19.561		
8,200.00	6,980.35	7,028.97	6,903.35	82.18	29.97	39.57	1,710.32	4,958.72	1,512.95	1,431.13	81.82	18.492		
8,240.58	7,013.07	7,061.67	6,936.06	82.68	30.07	40.11	1,710.30	4,958.61	1,492.91	1,410.28	82.62	18.069		
8,250.00	7,020.68	7,069.28	6,943.67	82.80	30.09	38.53	1,710.30	4,958.58	1,488.26	1,405.44	82.81	17.972		
8,300.00	7,061.63	7,110.04	6,984.43	83.40	30.20	29.56	1,710.28	4,958.45	1,463.04	1,379.34	83.70	17.479		
8,350.00	7,103.23	7,151.42	7,025.81	83.97	30.32	19.70	1,710.31	4,958.32	1,437.03	1,352.60	84.42	17.022		
8,400.00	7,145.18	7,194.17	7,068.56	84.51	30.44	9.18	1,710.39	4,958.18	1,410.33	1,325.38	84.95	16.602		
8,450.00	7,187.16	7,238.20	7,112.58	85.01	30.57	-1.69	1,710.51	4,957.99	1,383.04	1,297.77	85.26	16.221		
8,500.00	7,228.84	7,281.58	7,155.97	85.46	30.69	-12.57	1,710.65	4,957.74	1,355.34	1,269.99	85.36	15.879		
8,550.00	7,269.91	7,323.77	7,198.15	85.86	30.82	-23.16	1,710.78	4,957.45	1,327.51	1,242.28	85.22	15.577		
8,600.00	7,310.05	7,364.94	7,239.33	86.20	30.94	-33.22	1,710.90	4,957.13	1,299.82	1,214.96	84.85	15.319		
8,650.00	7,348.97	7,404.18	7,278.56	86.50	31.05	-42.59	1,711.01	4,956.79	1,272.62	1,188.38	84.24	15.107		
8,700.00	7,386.36	7,441.86	7,316.24	86.74	31.16	-51.21	1,711.16	4,956.45	1,246.30	1,162.92	83.38	14.947		
8,750.00	7,421.94	7,477.63	7,352.01	86.93	31.27	-59.02	1,711.32	4,956.11	1,221.28	1,138.99	82.29	14.841		
8,800.00	7,455.44	7,511.23	7,385.61	87.07	31.37	-65.99	1,711.50	4,955.78	1,198.02	1,117.04	80.97	14.795 SF		
8,850.00	7,486.61	7,542.40	7,416.78	87.16	31.46	-72.11	1,711.69	4,955.47	1,176.98	1,097.52	79.46	14.812		
8,900.00	7,515.20	7,569.06	7,443.43	87.20	31.54	-77.30	1,711.86	4,955.21	1,158.68	1,080.87	77.81	14.891		
8,950.00	7,541.00	7,592.77	7,467.14	87.21	31.61	-81.64	1,711.98	4,955.01	1,143.62	1,067.54	76.08	15.032		
9,000.00	7,563.81	7,613.80	7,488.17	87.17	31.67	-85.18	1,712.08	4,954.87	1,132.21	1,057.88	74.33	15.232		
9,050.00	7,583.47	7,631.96	7,506.33	87.10	31.73	-87.92	1,712.15	4,954.77	1,124.83	1,052.17	72.66	15.480		
9,100.00	7,599.81	7,647.18	7,521.55	87.00	31.77	-89.91	1,712.20	4,954.71	1,121.77	1,050.60	71.17	15.761 ES		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ BURY CRANDELL 6-0-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 139-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,109.16	7,602.43	7,649.65	7,524.02	86.98	31.78	-90.19	1,712.20	4,954.70	1,121.69	1,050.77	70.93	15.815	CC	
9,150.00	7,612.72	7,659.31	7,533.68	86.88	31.81	-91.14	1,712.24	4,954.66	1,123.22	1,053.26	69.96	16.056		
9,200.00	7,622.09	7,668.08	7,542.44	86.72	31.84	-91.61	1,712.26	4,954.63	1,129.26	1,060.16	69.10	16.343		
9,250.00	7,627.87	7,673.41	7,547.78	86.55	31.85	-91.31	1,712.28	4,954.62	1,139.86	1,071.22	68.64	16.606		
9,303.98	7,630.00	7,675.28	7,549.64	86.35	31.86	-90.09	1,712.29	4,954.61	1,156.23	1,087.63	68.59	16.857		
9,400.00	7,630.00	7,674.98	7,549.35	85.99	31.86	-90.07	1,712.29	4,954.61	1,193.13	1,123.61	69.52	17.161		
9,500.00	7,630.00	7,674.67	7,549.04	85.62	31.85	-90.05	1,712.28	4,954.61	1,238.33	1,166.76	71.57	17.303		
9,600.00	7,630.00	7,674.36	7,548.73	85.28	31.85	-90.04	1,712.28	4,954.62	1,289.71	1,215.44	74.27	17.365		
9,700.00	7,630.00	7,674.05	7,548.42	84.95	31.85	-90.02	1,712.28	4,954.62	1,346.57	1,269.29	77.28	17.425		
9,800.00	7,630.00	7,673.74	7,548.11	84.64	31.85	-90.01	1,712.28	4,954.62	1,408.24	1,327.89	80.35	17.527		
9,900.00	7,630.00	7,673.43	7,547.80	84.34	31.85	-89.99	1,712.28	4,954.62	1,474.12	1,390.79	83.33	17.690		
10,000.00	7,630.00	7,673.13	7,547.49	84.06	31.85	-89.97	1,712.28	4,954.62	1,543.67	1,457.53	86.14	17.920		
10,100.00	7,630.00	7,672.82	7,547.19	83.80	31.85	-89.96	1,712.28	4,954.62	1,616.42	1,527.67	88.75	18.212		
10,200.00	7,630.00	7,672.51	7,546.88	83.56	31.85	-89.94	1,712.28	4,954.62	1,691.96	1,600.81	91.15	18.562		
10,300.00	7,630.00	7,672.20	7,546.57	83.33	31.85	-89.92	1,712.28	4,954.62	1,769.92	1,676.58	93.33	18.963		
10,400.00	7,630.00	7,671.89	7,546.26	83.12	31.85	-89.91	1,712.28	4,954.62	1,850.00	1,754.68	95.32	19.409		
10,500.00	7,630.00	7,671.59	7,545.96	82.92	31.85	-89.89	1,712.27	4,954.62	1,931.94	1,834.82	97.12	19.893		
10,600.00	7,630.00	7,671.28	7,545.65	82.75	31.84	-89.88	1,712.27	4,954.62	2,015.51	1,916.76	98.75	20.410		
10,700.00	7,630.00	7,670.97	7,545.34	82.59	31.84	-89.86	1,712.27	4,954.62	2,100.52	2,000.29	100.23	20.956		
10,800.00	7,630.00	7,670.67	7,545.04	82.45	31.84	-89.84	1,712.27	4,954.63	2,186.80	2,085.22	101.58	21.528		
10,900.00	7,630.00	7,670.36	7,544.73	82.33	31.84	-89.83	1,712.27	4,954.63	2,274.20	2,171.39	102.81	22.121		
11,000.00	7,630.00	7,670.05	7,544.42	82.22	31.84	-89.81	1,712.27	4,954.63	2,362.60	2,258.67	103.92	22.734		
11,100.00	7,630.00	7,669.75	7,544.12	82.14	31.84	-89.79	1,712.27	4,954.63	2,451.89	2,346.94	104.95	23.363		
11,200.00	7,630.00	7,669.44	7,543.81	82.08	31.84	-89.78	1,712.27	4,954.63	2,541.98	2,436.09	105.88	24.008		
11,300.00	7,630.00	7,669.14	7,543.51	82.04	31.84	-89.76	1,712.27	4,954.63	2,632.78	2,526.04	106.74	24.665		
11,400.00	7,630.00	7,668.83	7,543.20	82.02	31.84	-89.75	1,712.27	4,954.63	2,724.23	2,616.70	107.53	25.334		
11,500.00	7,630.00	7,668.53	7,542.90	82.03	31.84	-89.73	1,712.26	4,954.63	2,816.26	2,708.00	108.26	26.013		
11,600.00	7,630.00	7,668.22	7,542.59	82.06	31.84	-89.71	1,712.26	4,954.63	2,908.82	2,799.88	108.94	26.702		
11,700.00	7,630.00	7,667.92	7,542.29	82.12	31.83	-89.70	1,712.26	4,954.63	3,001.85	2,892.29	109.56	27.399		
11,800.00	7,630.00	7,667.61	7,541.98	82.21	31.83	-89.68	1,712.26	4,954.63	3,095.32	2,985.18	110.14	28.103		
11,900.00	7,630.00	7,667.31	7,541.68	82.33	31.83	-89.67	1,712.26	4,954.64	3,189.18	3,078.50	110.68	28.815		
12,000.00	7,630.00	7,667.01	7,541.38	82.48	31.83	-89.65	1,712.26	4,954.64	3,283.41	3,172.23	111.18	29.532		
12,100.00	7,630.00	7,666.70	7,541.07	82.66	31.83	-89.63	1,712.26	4,954.64	3,377.97	3,266.31	111.65	30.255		
12,200.00	7,630.00	7,666.40	7,540.77	82.88	31.83	-89.62	1,712.26	4,954.64	3,472.83	3,360.74	112.09	30.982		
12,300.00	7,630.00	7,666.10	7,540.47	83.14	31.83	-89.60	1,712.26	4,954.64	3,567.97	3,455.47	112.50	31.715		
12,400.00	7,630.00	7,665.79	7,540.16	83.44	31.83	-89.59	1,712.26	4,954.64	3,663.38	3,550.49	112.89	32.451		
12,500.00	7,630.00	7,665.49	7,539.86	83.79	31.83	-89.57	1,712.26	4,954.64	3,759.02	3,645.76	113.25	33.191		
12,600.00	7,630.00	7,665.19	7,539.56	84.18	31.83	-89.55	1,712.25	4,954.64	3,854.88	3,741.28	113.60	33.935		
12,700.00	7,630.00	7,664.89	7,539.25	84.61	31.83	-89.54	1,712.25	4,954.64	3,950.95	3,837.03	113.92	34.682		
12,800.00	7,630.00	7,664.58	7,538.95	85.10	31.82	-89.52	1,712.25	4,954.64	4,047.21	3,932.98	114.22	35.432		
12,900.00	7,630.00	7,664.28	7,538.65	85.64	31.82	-89.51	1,712.25	4,954.65	4,143.64	4,029.13	114.51	36.185		
13,000.00	7,630.00	7,663.98	7,538.35	86.22	31.82	-89.49	1,712.25	4,954.65	4,240.24	4,125.45	114.79	36.940		
13,100.00	7,630.00	7,663.68	7,538.05	86.86	31.82	-89.47	1,712.25	4,954.65	4,337.00	4,221.95	115.05	37.697		
13,200.00	7,630.00	7,663.38	7,537.75	87.56	31.82	-89.46	1,712.25	4,954.65	4,433.90	4,318.60	115.30	38.457		
13,300.00	7,630.00	7,663.08	7,537.45	88.30	31.82	-89.44	1,712.25	4,954.65	4,530.93	4,415.40	115.53	39.218		
13,400.00	7,630.00	7,662.78	7,537.15	89.10	31.82	-89.43	1,712.25	4,954.65	4,628.09	4,512.33	115.76	39.982		
13,500.00	7,630.00	7,662.48	7,536.85	89.94	31.82	-89.41	1,712.25	4,954.65	4,725.37	4,609.40	115.97	40.746		
13,600.00	7,630.00	7,662.18	7,536.54	90.84	31.82	-89.39	1,712.24	4,954.65	4,822.76	4,706.58	116.17	41.513		
13,700.00	7,630.00	7,661.88	7,536.24	91.78	31.82	-89.38	1,712.24	4,954.65	4,920.25	4,803.88	116.37	42.281		
13,800.00	7,630.00	7,661.58	7,535.95	92.77	31.82	-89.36	1,712.24	4,954.65	5,017.84	4,901.29	116.56	43.050		
13,900.00	7,630.00	7,661.28	7,535.65	93.79	31.81	-89.35	1,712.24	4,954.66	5,115.53	4,998.79	116.74	43.821		
14,000.00	7,630.00	7,660.98	7,535.35	94.86	31.81	-89.33	1,712.24	4,954.66	5,213.30	5,096.39	116.91	44.592		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ BURY CRANDELL 6-0-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 139-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,100.00	7,630.00	7,660.68	7,535.05	95.97	31.81	-89.32	1,712.24	4,954.66	5,311.16	5,194.08	117.08	45.365		
14,200.00	7,630.00	7,660.38	7,534.75	97.11	31.81	-89.30	1,712.24	4,954.66	5,409.09	5,291.86	117.23	46.139		
14,300.00	7,630.00	7,660.08	7,534.45	98.28	31.81	-89.28	1,712.24	4,954.66	5,507.10	5,389.71	117.39	46.914		
14,400.00	7,630.00	7,659.78	7,534.15	99.48	31.81	-89.27	1,712.24	4,954.66	5,605.18	5,487.65	117.54	47.689		
14,500.00	7,630.00	7,659.48	7,533.85	100.72	31.81	-89.25	1,712.24	4,954.66	5,703.33	5,585.65	117.68	48.465		
14,600.00	7,630.00	7,659.19	7,533.55	101.97	31.81	-89.24	1,712.23	4,954.66	5,801.54	5,683.72	117.82	49.242		
14,700.00	7,630.00	7,658.89	7,533.26	103.26	31.81	-89.22	1,712.23	4,954.66	5,899.81	5,781.86	117.95	50.020		
14,800.00	7,630.00	7,658.59	7,532.96	104.56	31.81	-89.20	1,712.23	4,954.66	5,998.13	5,880.06	118.08	50.798		
14,900.00	7,630.00	7,658.29	7,532.66	105.89	31.81	-89.19	1,712.23	4,954.67	6,096.51	5,978.31	118.20	51.577		
15,000.00	7,630.00	7,658.00	7,532.36	107.24	31.81	-89.17	1,712.23	4,954.67	6,194.95	6,076.62	118.32	52.356		
15,100.00	7,630.00	7,657.70	7,532.07	108.60	31.80	-89.16	1,712.23	4,954.67	6,293.43	6,174.99	118.44	53.136		
15,200.00	7,630.00	7,657.40	7,531.77	109.98	31.80	-89.14	1,712.23	4,954.67	6,391.96	6,273.41	118.55	53.916		
15,300.00	7,630.00	7,661.20	7,535.57	111.38	31.82	-89.34	1,712.23	4,954.66	6,490.53	6,371.86	118.67	54.695		
15,400.00	7,630.00	7,660.91	7,535.28	112.79	31.81	-89.33	1,712.23	4,954.66	6,589.15	6,470.37	118.77	55.476		
15,500.00	7,630.00	7,660.62	7,534.99	114.22	31.81	-89.31	1,712.23	4,954.66	6,687.80	6,568.93	118.88	56.258		
15,600.00	7,630.00	7,660.33	7,534.69	115.66	31.81	-89.30	1,712.23	4,954.66	6,786.50	6,667.52	118.98	57.039		
15,700.00	7,630.00	7,660.03	7,534.40	117.11	31.81	-89.28	1,712.23	4,954.66	6,885.24	6,766.16	119.08	57.821		
15,800.00	7,630.00	7,659.73	7,534.10	118.57	31.81	-89.26	1,712.23	4,954.66	6,984.01	6,864.83	119.17	58.603		
15,900.00	7,630.00	7,659.42	7,533.79	120.05	31.81	-89.25	1,712.23	4,954.66	7,082.81	6,963.55	119.27	59.385		
16,000.00	7,630.00	7,659.12	7,533.49	121.53	31.81	-89.23	1,712.23	4,954.67	7,181.65	7,062.29	119.36	60.168		
16,100.00	7,630.00	7,658.81	7,533.18	123.03	31.81	-89.22	1,712.23	4,954.67	7,280.52	7,161.07	119.45	60.950		
16,200.00	7,630.00	7,658.50	7,532.87	124.53	31.81	-89.20	1,712.23	4,954.67	7,379.43	7,259.89	119.54	61.733		
16,300.00	7,630.00	7,658.19	7,532.55	126.04	31.81	-89.18	1,712.23	4,954.67	7,478.36	7,358.73	119.62	62.516		
16,400.00	7,630.00	7,657.87	7,532.24	127.56	31.81	-89.17	1,712.23	4,954.67	7,577.31	7,457.61	119.71	63.299		
16,500.00	7,630.00	7,657.55	7,531.92	129.09	31.80	-89.15	1,712.22	4,954.67	7,676.30	7,556.51	119.79	64.082		
16,600.00	7,630.00	7,657.23	7,531.60	130.62	31.80	-89.13	1,712.22	4,954.67	7,775.31	7,655.44	119.87	64.865		
16,700.00	7,630.00	7,656.90	7,531.27	132.16	31.80	-89.12	1,712.22	4,954.67	7,874.35	7,754.40	119.95	65.648		
16,800.00	7,630.00	7,656.58	7,530.94	133.71	31.80	-89.10	1,712.22	4,954.67	7,973.41	7,853.38	120.03	66.431		
16,900.00	7,630.00	7,656.24	7,530.61	135.27	31.80	-89.08	1,712.22	4,954.67	8,072.49	7,952.39	120.10	67.214		
17,000.00	7,630.00	7,655.91	7,530.28	136.83	31.80	-89.06	1,712.22	4,954.68	8,171.60	8,051.42	120.18	67.997		
17,100.00	7,630.00	7,655.57	7,529.94	138.39	31.80	-89.05	1,712.22	4,954.68	8,270.72	8,150.47	120.25	68.780		
17,200.00	7,630.00	7,655.23	7,529.60	139.97	31.80	-89.03	1,712.22	4,954.68	8,369.87	8,249.55	120.32	69.562		
17,300.00	7,630.00	7,654.89	7,529.26	141.54	31.80	-89.01	1,712.22	4,954.68	8,469.04	8,348.65	120.39	70.345		
17,400.00	7,630.00	7,654.55	7,528.91	143.12	31.80	-88.99	1,712.22	4,954.68	8,568.23	8,447.76	120.46	71.128		
17,500.00	7,630.00	7,654.20	7,528.56	144.71	31.79	-88.97	1,712.22	4,954.68	8,667.43	8,546.90	120.53	71.910		
17,600.00	7,630.00	7,653.84	7,528.21	146.30	31.79	-88.95	1,712.21	4,954.68	8,766.66	8,646.06	120.60	72.693		
17,700.00	7,630.00	7,653.49	7,527.86	147.90	31.79	-88.94	1,712.21	4,954.68	8,865.90	8,745.23	120.67	73.475		
17,800.00	7,630.00	7,653.13	7,527.50	149.50	31.79	-88.92	1,712.21	4,954.69	8,965.16	8,844.43	120.73	74.257		
17,900.00	7,630.00	7,652.77	7,527.13	151.10	31.79	-88.90	1,712.21	4,954.69	9,064.43	8,943.64	120.80	75.039		
18,000.00	7,630.00	7,652.40	7,526.77	152.71	31.79	-88.88	1,712.21	4,954.69	9,163.72	9,042.86	120.86	75.821		
18,100.00	7,630.00	7,652.03	7,526.40	154.32	31.79	-88.86	1,712.21	4,954.69	9,263.03	9,142.10	120.92	76.603		
18,200.00	7,630.00	7,651.66	7,526.03	155.94	31.79	-88.84	1,712.21	4,954.69	9,362.35	9,241.36	120.99	77.384		
18,300.00	7,630.00	7,651.28	7,525.65	157.56	31.79	-88.82	1,712.21	4,954.69	9,461.68	9,340.64	121.05	78.165		
18,400.00	7,630.00	7,650.90	7,525.27	159.18	31.78	-88.80	1,712.21	4,954.69	9,561.03	9,439.92	121.11	78.946		
18,500.00	7,630.00	7,650.52	7,524.88	160.80	31.78	-88.78	1,712.21	4,954.69	9,660.39	9,539.22	121.17	79.727		
18,600.00	7,630.00	7,650.13	7,524.50	162.43	31.78	-88.76	1,712.20	4,954.70	9,759.77	9,638.54	121.23	80.507		
18,700.00	7,630.00	7,649.74	7,524.11	164.06	31.78	-88.74	1,712.20	4,954.70	9,859.16	9,737.87	121.29	81.288		
18,800.00	7,630.00	7,649.34	7,523.71	165.70	31.78	-88.72	1,712.20	4,954.70	9,958.56	9,837.21	121.35	82.068		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ BURY CRANDELL 8-0-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 138-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	81.86	776.53	5,427.68	5,483.56					
100.00	100.00	0.00	0.00	0.13	0.00	81.86	776.53	5,427.68	5,482.98	5,482.84	0.13	N/A		
200.00	200.00	66.49	66.49	0.49	0.11	81.86	776.85	5,427.95	5,483.50	5,482.90	0.60	9,106.551		
300.00	300.00	138.00	137.98	0.85	0.23	81.85	777.91	5,428.84	5,484.88	5,483.80	1.08	5,093.469		
400.00	400.00	138.00	137.98	1.21	0.23	81.85	777.91	5,428.84	5,487.25	5,485.81	1.44	3,815.110		
500.00	500.00	199.40	199.34	1.57	0.45	81.83	779.66	5,430.43	5,490.47	5,488.45	2.02	2,721.057		
600.00	600.00	229.00	228.89	1.93	0.56	81.82	780.88	5,431.59	5,495.05	5,492.56	2.48	2,212.309		
700.00	700.00	265.70	265.51	2.29	0.70	81.80	782.59	5,433.45	5,500.83	5,497.85	2.98	1,848.166		
800.00	799.98	320.00	319.61	2.64	0.90	19.96	785.28	5,437.16	5,506.37	5,502.84	3.52	1,562.231		
900.00	899.84	320.00	319.61	2.99	0.90	19.94	785.28	5,437.16	5,509.59	5,505.72	3.87	1,423.007		
1,000.00	999.45	370.84	370.19	3.35	1.10	19.93	788.06	5,441.50	5,510.77	5,506.36	4.41	1,249.849		
1,100.00	1,098.70	411.00	410.08	3.73	1.26	19.93	790.49	5,445.40	5,509.78	5,504.87	4.91	1,122.502		
1,200.00	1,197.47	449.55	448.32	4.11	1.41	19.95	793.13	5,449.52	5,506.60	5,501.19	5.41	1,017.850		
1,300.00	1,295.62	503.00	501.22	4.53	1.63	19.99	797.47	5,455.84	5,501.31	5,495.34	5.97	921.089		
1,400.00	1,393.06	527.70	525.61	4.97	1.74	20.05	799.77	5,458.99	5,493.75	5,487.31	6.44	853.619		
1,500.00	1,489.64	567.20	564.53	5.44	1.92	20.11	803.91	5,464.30	5,484.06	5,477.10	6.96	787.400		
1,600.00	1,585.27	594.00	590.87	5.95	2.03	20.20	807.04	5,468.10	5,472.24	5,464.78	7.45	734.299		
1,700.00	1,679.82	660.23	655.75	6.51	2.34	20.30	815.90	5,477.96	5,458.00	5,449.89	8.12	672.267		
1,800.00	1,773.17	707.37	701.75	7.13	2.57	20.41	823.16	5,485.31	5,441.48	5,432.76	8.72	623.836		
1,900.00	1,865.21	751.61	744.77	7.79	2.79	20.54	830.49	5,492.56	5,422.70	5,413.37	9.33	581.088		
2,000.00	1,955.84	810.51	801.84	8.51	3.10	20.70	840.94	5,502.68	5,401.63	5,391.61	10.03	538.698		
2,100.00	2,044.94	899.08	887.36	9.30	3.57	20.86	858.23	5,517.98	5,377.81	5,366.93	10.88	494.501		
2,200.00	2,132.39	996.45	981.05	10.15	4.11	21.05	879.08	5,534.35	5,350.71	5,338.90	11.80	453.349		
2,300.00	2,218.11	1,070.00	1,051.57	11.07	4.52	21.27	895.82	5,546.81	5,320.83	5,308.18	12.64	420.855		
2,400.00	2,301.97	1,275.89	1,248.97	12.06	5.70	21.51	943.98	5,580.01	5,287.41	5,273.26	14.15	373.578		
2,500.00	2,383.88	1,354.31	1,324.43	13.11	6.14	21.82	961.70	5,591.89	5,249.70	5,234.64	15.06	348.608		
2,512.74	2,394.17	1,363.81	1,333.57	13.25	6.19	21.86	963.86	5,593.34	5,244.70	5,229.53	15.18	345.579		
2,600.00	2,464.54	1,430.00	1,397.15	14.22	6.57	21.88	979.16	5,603.53	5,210.43	5,194.46	15.97	326.281		
2,700.00	2,545.18	1,493.19	1,457.72	15.35	6.94	21.88	994.21	5,613.43	5,171.53	5,154.69	16.84	307.183		
2,800.00	2,625.82	1,553.79	1,515.65	16.50	7.30	21.89	1,009.09	5,623.18	5,133.14	5,115.44	17.70	289.952		
2,900.00	2,706.45	1,618.00	1,576.91	17.65	7.68	21.89	1,025.03	5,633.94	5,095.38	5,076.78	18.60	273.906		
3,000.00	2,787.09	1,701.89	1,656.97	18.82	8.19	21.89	1,045.51	5,648.36	5,057.99	5,038.38	19.61	257.983		
3,100.00	2,867.73	1,856.75	1,805.73	19.99	9.09	21.95	1,079.60	5,674.61	5,019.96	4,999.03	20.93	239.883		
3,200.00	2,948.37	2,034.94	1,978.51	21.17	10.05	22.10	1,112.51	5,703.07	4,980.36	4,958.06	22.30	223.324		
3,300.00	3,029.01	2,109.49	2,051.22	22.36	10.43	22.19	1,123.93	5,714.90	4,940.35	4,917.12	23.23	212.677		
3,400.00	3,109.65	2,179.00	2,119.02	23.55	10.79	22.28	1,134.06	5,726.38	4,900.81	4,876.67	24.14	203.004		
3,500.00	3,190.29	2,211.19	2,150.38	24.74	10.96	22.32	1,138.77	5,731.96	4,862.02	4,837.10	24.92	195.099		
3,600.00	3,270.93	2,246.85	2,185.01	25.94	11.15	22.37	1,144.17	5,738.50	4,824.32	4,798.60	25.72	187.558		
3,700.00	3,351.57	2,272.00	2,209.37	27.14	11.28	22.40	1,148.10	5,743.35	4,787.75	4,761.26	26.49	180.748		
3,800.00	3,432.21	2,332.66	2,267.98	28.35	11.62	22.48	1,157.82	5,755.62	4,752.06	4,724.65	27.41	173.377		
3,900.00	3,512.85	2,392.36	2,325.48	29.56	11.96	22.55	1,167.65	5,768.32	4,717.30	4,688.96	28.33	166.490		
4,000.00	3,593.49	2,477.32	2,407.18	30.76	12.45	22.65	1,182.20	5,786.53	4,682.84	4,653.47	29.37	159.438		
4,100.00	3,674.13	2,546.24	2,473.39	31.97	12.85	22.73	1,194.01	5,801.56	4,648.77	4,618.42	30.35	153.171		
4,200.00	3,754.77	2,760.36	2,679.51	33.19	14.08	22.99	1,230.54	5,846.55	4,614.18	4,582.27	31.91	144.589		
4,300.00	3,835.41	2,839.10	2,755.52	34.40	14.53	23.08	1,244.10	5,862.03	4,578.10	4,545.16	32.94	138.982		
4,400.00	3,916.05	2,948.08	2,860.58	35.62	15.15	23.20	1,263.76	5,883.31	4,542.02	4,507.93	34.09	133.227		
4,500.00	3,996.69	3,003.71	2,914.04	36.83	15.48	23.25	1,274.63	5,894.18	4,506.16	4,471.12	35.05	128.568		
4,600.00	4,077.33	3,132.72	3,037.81	38.05	16.24	23.36	1,300.99	5,919.24	4,470.34	4,434.04	36.30	123.160		
4,700.00	4,157.96	3,196.19	3,098.77	39.27	16.61	23.41	1,313.62	5,931.57	4,434.45	4,397.15	37.30	118.898		
4,800.00	4,238.60	3,299.46	3,198.06	40.49	17.22	23.52	1,333.34	5,952.05	4,398.85	4,360.40	38.45	114.410		
4,900.00	4,319.24	3,364.48	3,260.58	41.71	17.60	23.59	1,345.56	5,965.05	4,363.37	4,323.91	39.46	110.570		
5,000.00	4,399.88	3,447.38	3,340.12	42.93	18.09	23.67	1,361.61	5,982.04	4,328.43	4,287.88	40.55	106.744		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ BURY CRANDELL 8-0-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 138-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,480.52	3,546.43	3,435.08	44.15	18.68	23.76	1,381.30	6,002.19	4,293.44	4,251.73	41.70	102.952		
5,200.00	4,561.16	3,638.64	3,523.41	45.37	19.23	23.85	1,400.05	6,020.83	4,258.40	4,215.56	42.84	99.413		
5,300.00	4,641.80	3,793.77	3,672.47	46.59	20.14	24.01	1,430.40	6,051.21	4,222.63	4,178.44	44.19	95.562		
5,400.00	4,722.44	3,849.84	3,726.43	47.82	20.47	24.07	1,441.09	6,062.10	4,186.69	4,141.49	45.20	92.629		
5,500.00	4,803.08	3,927.08	3,800.61	49.04	20.93	24.15	1,456.00	6,077.61	4,151.41	4,105.12	46.29	89.685		
5,600.00	4,883.72	4,016.15	3,886.11	50.27	21.45	24.25	1,473.25	6,095.67	4,116.34	4,068.91	47.42	86.801		
5,700.00	4,964.36	5,700.00	4,002.97	51.49	31.16	24.41	1,495.36	6,119.91	4,080.82	4,024.81	56.01	72.858		
5,800.00	5,045.00	4,216.32	4,078.89	52.71	22.61	24.52	1,509.66	6,135.37	4,045.07	3,995.29	49.78	81.266		
5,900.00	5,125.64	4,371.95	4,228.70	53.94	23.51	24.70	1,539.39	6,165.26	4,008.98	3,957.85	51.13	78.413		
6,000.00	5,206.28	4,453.64	4,307.30	55.17	23.98	24.80	1,555.63	6,180.46	3,972.44	3,920.19	52.25	76.022		
6,100.00	5,286.92	4,553.28	4,403.22	56.39	24.56	24.91	1,575.34	6,198.89	3,935.80	3,882.36	53.44	73.649		
6,200.00	5,367.56	4,685.97	4,530.73	57.62	25.34	25.04	1,603.00	6,223.05	3,899.16	3,844.44	54.71	71.263		
6,300.00	5,448.20	4,893.65	4,731.59	58.84	26.48	25.28	1,644.15	6,255.95	3,859.87	3,803.73	56.14	68.750		
6,400.00	5,528.84	4,979.53	4,814.92	60.07	26.94	25.39	1,680.73	6,268.53	3,819.64	3,762.35	57.29	66.677		
6,500.00	5,609.47	5,238.98	5,068.32	61.30	28.23	25.82	1,705.57	6,301.02	3,776.90	3,718.20	58.70	64.344		
6,600.00	5,690.11	5,324.87	5,153.06	62.53	28.60	26.05	1,715.74	6,310.56	3,732.78	3,672.95	59.84	62.382		
6,700.00	5,770.75	5,897.49	5,723.03	63.75	30.48	28.33	1,746.29	6,343.62	3,686.34	3,625.33	61.02	60.417		
6,800.00	5,851.39	6,002.05	5,827.58	64.98	30.71	28.87	1,746.70	6,342.16	3,631.00	3,568.90	62.10	58.474		
6,900.00	5,932.03	6,093.71	5,919.21	66.21	30.92	29.37	1,747.10	6,340.50	3,575.50	3,512.29	63.21	56.568		
7,000.00	6,012.67	6,176.08	6,001.57	67.44	31.10	29.82	1,747.48	6,338.82	3,519.99	3,455.64	64.35	54.700		
7,100.00	6,093.31	6,253.60	6,079.07	68.66	31.27	30.27	1,747.78	6,337.25	3,464.64	3,399.11	65.52	52.876		
7,200.00	6,173.95	6,335.03	6,160.49	69.89	31.45	30.75	1,747.90	6,335.66	3,409.52	3,342.80	66.72	51.105		
7,300.00	6,254.59	6,417.40	6,242.84	71.12	31.63	31.27	1,747.46	6,333.94	3,354.44	3,286.51	67.93	49.379		
7,400.00	6,335.23	6,485.00	6,310.42	72.35	31.78	31.71	1,746.84	6,332.63	3,299.68	3,230.48	69.20	47.681		
7,500.00	6,415.87	6,549.88	6,375.30	73.58	31.93	32.14	1,746.44	6,331.63	3,245.46	3,174.96	70.51	46.031		
7,600.00	6,496.51	6,623.22	6,448.63	74.81	32.10	32.63	1,746.56	6,330.83	3,191.83	3,120.01	71.82	44.442		
7,700.00	6,577.15	6,701.00	6,526.41	76.04	32.29	33.16	1,746.89	6,329.98	3,138.43	3,065.27	73.16	42.899		
7,800.00	6,657.79	6,771.39	6,596.79	77.27	32.46	33.65	1,747.24	6,329.39	3,085.46	3,010.92	74.54	41.394		
7,900.00	6,738.43	6,843.33	6,668.73	78.50	32.64	34.16	1,747.48	6,329.00	3,032.98	2,957.03	75.95	39.934		
8,000.00	6,819.07	6,916.46	6,741.86	79.73	32.82	34.71	1,747.47	6,328.80	2,980.97	2,903.57	77.39	38.517		
8,100.00	6,899.71	6,991.67	6,817.07	80.96	33.00	35.29	1,747.22	6,328.75	2,929.42	2,850.55	78.87	37.142		
8,200.00	6,980.35	7,068.90	6,894.30	82.18	33.18	35.91	1,746.73	6,328.80	2,878.28	2,797.90	80.39	35.806		
8,240.58	7,013.07	7,100.50	6,925.90	82.68	33.26	36.17	1,746.45	6,328.84	2,857.64	2,776.63	81.01	35.275		
8,250.00	7,020.68	7,107.85	6,933.25	82.80	33.28	34.50	1,746.37	6,328.85	2,852.85	2,771.69	81.15	35.153		
8,300.00	7,061.63	7,147.38	6,972.78	83.40	33.37	25.07	1,745.93	6,328.92	2,827.00	2,745.16	81.84	34.543		
8,350.00	7,103.23	7,186.59	7,011.98	83.97	33.46	14.85	1,745.44	6,329.01	2,800.62	2,718.23	82.39	33.992		
8,400.00	7,145.18	7,226.36	7,051.74	84.51	33.56	4.11	1,744.92	6,329.13	2,773.86	2,691.07	82.79	33.505		
8,450.00	7,187.16	7,271.09	7,096.48	85.01	33.67	-6.80	1,744.34	6,329.27	2,746.89	2,663.87	83.02	33.085		
8,500.00	7,228.84	7,316.64	7,142.02	85.46	33.78	-17.54	1,743.81	6,329.36	2,719.85	2,636.75	83.09	32.732		
8,550.00	7,269.91	7,358.90	7,184.27	85.86	33.88	-27.78	1,743.35	6,329.39	2,692.97	2,609.97	83.00	32.444		
8,600.00	7,310.05	7,399.42	7,224.79	86.20	33.98	-37.31	1,742.85	6,329.42	2,666.56	2,583.80	82.76	32.222		
8,650.00	7,348.97	7,437.59	7,262.96	86.50	34.07	-45.99	1,742.32	6,329.45	2,640.87	2,558.51	82.35	32.068		
8,700.00	7,386.36	7,473.01	7,298.37	86.74	34.16	-53.78	1,741.76	6,329.50	2,616.21	2,534.40	81.80	31.983		
8,750.00	7,421.94	7,506.91	7,332.27	86.93	34.24	-60.69	1,741.16	6,329.58	2,592.86	2,511.76	81.11	31.968 SF		
8,800.00	7,455.44	7,538.30	7,363.66	87.07	34.32	-66.76	1,740.57	6,329.68	2,571.14	2,490.84	80.29	32.022		
8,850.00	7,486.61	7,567.41	7,392.76	87.16	34.39	-72.02	1,740.03	6,329.80	2,551.31	2,471.95	79.36	32.147		
8,900.00	7,515.20	7,594.24	7,419.58	87.20	34.45	-76.52	1,739.53	6,329.94	2,533.68	2,455.34	78.34	32.341		
8,950.00	7,541.00	7,618.94	7,444.28	87.21	34.51	-80.33	1,739.08	6,330.10	2,518.50	2,441.25	77.25	32.602		
9,000.00	7,563.81	7,641.34	7,466.67	87.17	34.57	-83.48	1,738.68	6,330.25	2,506.00	2,429.89	76.11	32.925		
9,050.00	7,583.47	7,660.76	7,486.09	87.10	34.62	-85.99	1,738.34	6,330.39	2,496.41	2,421.46	74.95	33.306		
9,100.00	7,599.81	7,677.07	7,502.40	87.00	34.66	-87.90	1,738.05	6,330.51	2,489.91	2,416.11	73.80	33.737		
9,150.00	7,612.72	7,690.13	7,515.45	86.88	34.69	-89.21	1,737.82	6,330.62	2,486.64	2,413.95	72.69	34.208 ES		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ BURY CRANDELL 8-0-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 138-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,174.33	7,617.73	7,695.28	7,520.60	86.80	34.70	-89.65	1,737.73	6,330.66	2,486.24	2,414.07	72.17	34.448	CC	
9,200.00	7,622.09	7,699.84	7,525.16	86.72	34.71	-89.96	1,737.65	6,330.70	2,486.69	2,415.04	71.64	34.710		
9,250.00	7,627.87	7,706.13	7,531.46	86.55	34.73	-90.13	1,737.55	6,330.75	2,490.09	2,419.42	70.67	35.233		
9,303.98	7,630.00	7,708.08	7,533.40	86.35	34.74	-89.66	1,737.51	6,330.77	2,497.53	2,427.78	69.75	35.805		
9,400.00	7,630.00	7,709.42	7,534.74	85.99	34.74	-89.69	1,737.49	6,330.78	2,515.97	2,447.52	68.45	36.757		
9,500.00	7,630.00	7,710.81	7,536.13	85.62	34.74	-89.72	1,737.47	6,330.79	2,538.89	2,471.31	67.58	37.571		
9,600.00	7,630.00	7,712.20	7,537.52	85.28	34.75	-89.76	1,737.44	6,330.80	2,565.50	2,498.29	67.21	38.173		
9,700.00	7,630.00	7,713.58	7,538.90	84.95	34.75	-89.79	1,737.42	6,330.82	2,595.70	2,528.38	67.32	38.558		
9,800.00	7,630.00	7,714.95	7,540.28	84.64	34.75	-89.82	1,737.39	6,330.83	2,629.35	2,561.49	67.87	38.743		
9,900.00	7,630.00	7,716.33	7,541.65	84.34	34.76	-89.85	1,737.37	6,330.84	2,666.33	2,597.54	68.79	38.760		
10,000.00	7,630.00	7,717.70	7,543.02	84.06	34.76	-89.88	1,737.35	6,330.86	2,706.50	2,636.48	70.02	38.651		
10,100.00	7,630.00	7,719.06	7,544.38	83.80	34.76	-89.92	1,737.32	6,330.87	2,749.73	2,678.22	71.50	38.457		
10,200.00	7,630.00	7,720.42	7,545.74	83.56	34.77	-89.95	1,737.30	6,330.88	2,795.86	2,722.70	73.16	38.214		
10,300.00	7,630.00	7,721.78	7,547.10	83.33	34.77	-89.98	1,737.28	6,330.90	2,844.76	2,769.80	74.95	37.953		
10,400.00	7,630.00	7,723.13	7,548.45	83.12	34.77	-90.01	1,737.26	6,330.91	2,896.28	2,819.45	76.83	37.696		
10,500.00	7,630.00	7,724.47	7,549.79	82.92	34.78	-90.04	1,737.23	6,330.92	2,950.30	2,871.54	78.76	37.459		
10,600.00	7,630.00	7,725.81	7,551.13	82.75	34.78	-90.07	1,737.21	6,330.94	3,006.67	2,925.96	80.71	37.253		
10,700.00	7,630.00	7,727.15	7,552.47	82.59	34.78	-90.10	1,737.19	6,330.95	3,065.27	2,982.61	82.66	37.083		
10,800.00	7,630.00	7,728.49	7,553.81	82.45	34.79	-90.14	1,737.17	6,330.97	3,125.97	3,041.38	84.59	36.955		
10,900.00	7,630.00	7,729.82	7,555.13	82.33	34.79	-90.17	1,737.14	6,330.98	3,188.65	3,102.16	86.49	36.869		
11,000.00	7,630.00	7,731.14	7,556.46	82.22	34.79	-90.20	1,737.12	6,330.99	3,253.19	3,164.85	88.34	36.825		
11,100.00	7,630.00	7,732.46	7,557.78	82.14	34.80	-90.23	1,737.10	6,331.01	3,319.50	3,229.35	90.15	36.822		
11,200.00	7,630.00	7,733.78	7,559.10	82.08	34.80	-90.26	1,737.08	6,331.02	3,387.45	3,295.55	91.90	36.859		
11,300.00	7,630.00	7,735.09	7,560.41	82.04	34.80	-90.29	1,737.06	6,331.04	3,456.96	3,363.37	93.60	36.934		
11,400.00	7,630.00	7,736.40	7,561.72	82.02	34.81	-90.32	1,737.03	6,331.05	3,527.94	3,432.71	95.24	37.044		
11,500.00	7,630.00	7,737.70	7,563.02	82.03	34.81	-90.35	1,737.01	6,331.07	3,600.30	3,503.48	96.81	37.188		
11,600.00	7,630.00	7,739.00	7,564.32	82.06	34.81	-90.38	1,736.99	6,331.08	3,673.95	3,575.62	98.33	37.363		
11,700.00	7,630.00	7,740.30	7,565.61	82.12	34.82	-90.41	1,736.97	6,331.10	3,748.82	3,649.03	99.79	37.567		
11,800.00	7,630.00	7,741.59	7,566.91	82.21	34.82	-90.44	1,736.95	6,331.11	3,824.84	3,723.65	101.19	37.798		
11,900.00	7,630.00	7,742.88	7,568.19	82.33	34.82	-90.47	1,736.93	6,331.13	3,901.94	3,799.41	102.54	38.054		
12,000.00	7,630.00	7,744.16	7,569.48	82.48	34.83	-90.50	1,736.91	6,331.14	3,980.07	3,876.24	103.83	38.333		
12,100.00	7,630.00	7,745.44	7,570.76	82.66	34.83	-90.53	1,736.88	6,331.16	4,059.15	3,954.08	105.07	38.635		
12,200.00	7,630.00	7,746.72	7,572.03	82.88	34.83	-90.56	1,736.86	6,331.18	4,139.13	4,032.88	106.25	38.956		
12,300.00	7,630.00	7,747.99	7,573.30	83.14	34.84	-90.59	1,736.84	6,331.19	4,219.97	4,112.58	107.39	39.296		
12,400.00	7,630.00	7,749.25	7,574.57	83.44	34.84	-90.62	1,736.82	6,331.21	4,301.61	4,193.13	108.48	39.654		
12,500.00	7,630.00	7,750.52	7,575.83	83.79	34.84	-90.65	1,736.80	6,331.22	4,384.02	4,274.49	109.52	40.028		
12,600.00	7,630.00	7,751.78	7,577.09	84.18	34.85	-90.68	1,736.78	6,331.24	4,467.14	4,356.61	110.53	40.417		
12,700.00	7,630.00	7,753.03	7,578.35	84.61	34.85	-90.71	1,736.76	6,331.26	4,550.94	4,439.45	111.49	40.821		
12,800.00	7,630.00	7,754.28	7,579.60	85.10	34.85	-90.74	1,736.74	6,331.27	4,635.38	4,522.97	112.41	41.237		
12,900.00	7,630.00	7,755.53	7,580.85	85.64	34.86	-90.76	1,736.72	6,331.29	4,720.43	4,607.14	113.29	41.666		
13,000.00	7,630.00	7,756.78	7,582.09	86.22	34.86	-90.79	1,736.70	6,331.30	4,806.05	4,691.91	114.14	42.106		
13,100.00	7,630.00	7,758.02	7,583.33	86.86	34.86	-90.82	1,736.68	6,331.32	4,892.22	4,777.27	114.96	42.557		
13,200.00	7,630.00	7,759.25	7,584.56	87.56	34.87	-90.85	1,736.66	6,331.34	4,978.91	4,863.17	115.74	43.018		
13,300.00	7,630.00	7,760.48	7,585.80	88.30	34.87	-90.88	1,736.64	6,331.35	5,066.09	4,949.60	116.49	43.489		
13,400.00	7,630.00	7,761.71	7,587.02	89.10	34.87	-90.91	1,736.62	6,331.37	5,153.73	5,036.51	117.22	43.968		
13,500.00	7,630.00	7,762.94	7,588.25	89.94	34.88	-90.94	1,736.60	6,331.39	5,241.81	5,123.90	117.91	44.456		
13,600.00	7,630.00	7,764.16	7,589.47	90.84	34.88	-90.97	1,736.58	6,331.40	5,330.32	5,211.74	118.58	44.951		
13,700.00	7,630.00	7,765.38	7,590.69	91.78	34.88	-90.99	1,736.56	6,331.42	5,419.22	5,300.00	119.22	45.454		
13,800.00	7,630.00	7,766.59	7,591.90	92.77	34.88	-91.02	1,736.54	6,331.44	5,508.51	5,388.66	119.84	45.964		
13,900.00	7,630.00	7,767.80	7,593.11	93.79	34.89	-91.05	1,736.52	6,331.45	5,598.15	5,477.71	120.44	46.480		
14,000.00	7,630.00	7,769.01	7,594.32	94.86	34.89	-91.08	1,736.50	6,331.47	5,688.14	5,567.13	121.02	47.002		
14,100.00	7,630.00	7,770.21	7,595.52	95.97	34.89	-91.11	1,736.48	6,331.49	5,778.46	5,656.89	121.57	47.530		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 138-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,630.00	7,771.41	7,596.72	97.11	34.90	-91.13	1,736.47	6,331.51	5,869.10	5,746.99	122.11	48.064		
14,300.00	7,630.00	7,772.60	7,597.91	98.28	34.90	-91.16	1,736.45	6,331.52	5,960.03	5,837.40	122.63	48.603		
14,400.00	7,630.00	7,773.79	7,599.10	99.48	34.90	-91.19	1,736.43	6,331.54	6,051.25	5,928.12	123.13	49.146		
14,500.00	7,630.00	7,774.98	7,600.29	100.72	34.91	-91.22	1,736.41	6,331.56	6,142.74	6,019.13	123.61	49.694		
14,600.00	7,630.00	7,776.16	7,601.47	101.97	34.91	-91.25	1,736.39	6,331.58	6,234.49	6,110.42	124.08	50.247		
14,700.00	7,630.00	7,777.35	7,602.65	103.26	34.91	-91.27	1,736.37	6,331.59	6,326.50	6,201.97	124.53	50.804		
14,800.00	7,630.00	7,778.52	7,603.83	104.56	34.92	-91.30	1,736.35	6,331.61	6,418.74	6,293.77	124.96	51.364		
14,900.00	7,630.00	7,779.70	7,605.00	105.89	34.92	-91.33	1,736.33	6,331.63	6,511.21	6,385.82	125.39	51.929		
15,000.00	7,630.00	7,780.87	7,606.17	107.24	34.92	-91.35	1,736.32	6,331.65	6,603.90	6,478.10	125.80	52.497		
15,100.00	7,630.00	7,782.03	7,607.34	108.60	34.92	-91.38	1,736.30	6,331.67	6,696.80	6,570.60	126.19	53.068		
15,200.00	7,630.00	7,783.20	7,608.50	109.98	34.93	-91.41	1,736.28	6,331.68	6,789.90	6,663.32	126.58	53.642		
15,300.00	7,630.00	7,784.35	7,609.66	111.38	34.93	-91.44	1,736.26	6,331.70	6,883.19	6,756.24	126.95	54.220		
15,400.00	7,630.00	7,785.51	7,610.82	112.79	34.93	-91.46	1,736.24	6,331.72	6,976.67	6,849.36	127.31	54.800		
15,500.00	7,630.00	7,786.66	7,611.97	114.22	34.94	-91.49	1,736.22	6,331.74	7,070.33	6,942.67	127.66	55.383		
15,600.00	7,630.00	7,787.81	7,613.12	115.66	34.94	-91.52	1,736.21	6,331.76	7,164.16	7,036.15	128.00	55.969		
15,700.00	7,630.00	7,788.96	7,614.26	117.11	34.94	-91.54	1,736.19	6,331.77	7,258.15	7,129.82	128.33	56.557		
15,800.00	7,630.00	7,790.10	7,615.41	118.57	34.94	-91.57	1,736.17	6,331.79	7,352.30	7,223.65	128.65	57.148		
15,900.00	7,630.00	7,796.00	7,621.30	120.05	34.96	-91.71	1,736.08	6,331.89	7,446.61	7,317.64	128.97	57.740		
16,000.00	7,630.00	7,796.00	7,621.30	121.53	34.96	-91.71	1,736.08	6,331.89	7,541.06	7,411.79	129.27	58.335		
16,100.00	7,630.00	7,796.00	7,621.30	123.03	34.96	-91.71	1,736.08	6,331.89	7,635.65	7,506.08	129.57	58.932		
16,200.00	7,630.00	7,796.00	7,621.30	124.53	34.96	-91.71	1,736.08	6,331.89	7,730.38	7,600.52	129.85	59.531		
16,300.00	7,630.00	7,796.00	7,621.30	126.04	34.96	-91.71	1,736.08	6,331.89	7,825.23	7,695.10	130.13	60.132		
16,400.00	7,630.00	7,798.43	7,623.73	127.56	34.97	-91.76	1,736.04	6,331.93	7,920.22	7,789.81	130.41	60.734		
16,500.00	7,630.00	7,801.59	7,626.89	129.09	34.97	-91.84	1,735.99	6,331.98	8,015.32	7,884.65	130.68	61.338		
16,600.00	7,630.00	7,804.83	7,630.13	130.62	34.98	-91.91	1,735.94	6,332.04	8,110.55	7,979.61	130.94	61.943		
16,700.00	7,630.00	7,808.15	7,633.45	132.16	34.99	-91.99	1,735.89	6,332.09	8,205.88	8,074.69	131.19	62.549		
16,800.00	7,630.00	7,811.57	7,636.87	133.71	35.00	-92.07	1,735.83	6,332.15	8,301.33	8,169.89	131.44	63.157		
16,900.00	7,630.00	7,815.07	7,640.37	135.27	35.01	-92.15	1,735.78	6,332.20	8,396.88	8,265.20	131.68	63.766		
17,000.00	7,630.00	7,818.67	7,643.97	136.83	35.02	-92.23	1,735.71	6,332.26	8,492.53	8,360.61	131.92	64.377		
17,100.00	7,630.00	7,822.36	7,647.66	138.39	35.03	-92.32	1,735.65	6,332.32	8,588.28	8,456.13	132.15	64.989		
17,200.00	7,630.00	7,826.16	7,651.46	139.97	35.04	-92.41	1,735.59	6,332.38	8,684.13	8,551.75	132.38	65.601		
17,300.00	7,630.00	7,830.07	7,655.37	141.54	35.05	-92.50	1,735.52	6,332.45	8,780.07	8,647.47	132.60	66.215		
17,400.00	7,630.00	7,834.09	7,659.38	143.12	35.06	-92.59	1,735.45	6,332.51	8,876.09	8,743.28	132.82	66.830		
17,500.00	7,630.00	7,838.23	7,663.52	144.71	35.07	-92.69	1,735.37	6,332.58	8,972.21	8,839.18	133.03	67.445		
17,600.00	7,630.00	7,842.49	7,667.78	146.30	35.08	-92.79	1,735.30	6,332.65	9,068.40	8,935.16	133.24	68.062		
17,700.00	7,630.00	7,846.87	7,672.16	147.90	35.09	-92.89	1,735.22	6,332.72	9,164.68	9,031.24	133.44	68.679		
17,800.00	7,630.00	7,851.39	7,676.68	149.50	35.10	-92.99	1,735.13	6,332.79	9,261.03	9,127.39	133.64	69.297		
17,900.00	7,630.00	7,856.05	7,681.34	151.10	35.11	-93.10	1,735.04	6,332.86	9,357.46	9,223.62	133.84	69.916		
18,000.00	7,630.00	7,860.85	7,686.14	152.71	35.13	-93.21	1,734.95	6,332.94	9,453.97	9,319.93	134.03	70.536		
18,100.00	7,630.00	7,865.81	7,691.10	154.32	35.14	-93.33	1,734.85	6,333.02	9,550.54	9,416.32	134.22	71.156		
18,200.00	7,630.00	7,870.93	7,696.21	155.94	35.15	-93.45	1,734.75	6,333.10	9,647.18	9,512.78	134.41	71.776		
18,300.00	7,630.00	7,876.22	7,701.50	157.56	35.17	-93.57	1,734.64	6,333.18	9,743.89	9,609.30	134.59	72.398		
18,400.00	7,630.00	7,881.68	7,706.96	159.18	35.18	-93.69	1,734.53	6,333.26	9,840.67	9,705.90	134.77	73.019		
18,500.00	7,630.00	7,887.33	7,712.61	160.80	35.20	-93.82	1,734.41	6,333.35	9,937.50	9,802.56	134.94	73.641		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ BURY CRANDELL 8-2-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 47-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	81.95	765.60	5,410.88	5,465.38					
100.00	100.00	38.39	38.39	0.13	0.05	81.95	765.63	5,410.81	5,464.74	5,464.56	0.18	N/A		
200.00	200.00	138.00	138.00	0.49	0.39	81.94	765.78	5,410.24	5,464.20	5,463.32	0.88	6,210.843		
268.16	268.16	187.16	187.16	0.74	0.56	81.95	765.53	5,410.11	5,464.00	5,462.71	1.29	4,220.321		
300.00	300.00	205.30	205.30	0.85	0.62	81.95	765.29	5,410.17	5,464.04	5,462.57	1.47	3,712.439		
400.00	400.00	229.00	228.99	1.21	0.70	81.95	764.86	5,410.33	5,464.87	5,462.95	1.91	2,855.473		
500.00	500.00	274.76	274.73	1.57	0.86	81.97	763.71	5,411.23	5,466.76	5,464.33	2.43	2,247.455		
600.00	600.00	320.00	319.90	1.93	1.02	81.99	762.20	5,413.12	5,470.14	5,467.19	2.95	1,856.298		
700.00	700.00	320.00	319.90	2.29	1.02	81.99	762.20	5,413.12	5,474.69	5,471.38	3.31	1,655.893		
800.00	799.98	369.27	369.03	2.64	1.20	20.20	760.04	5,416.17	5,478.79	5,474.95	3.83	1,428.968		
900.00	899.84	411.00	410.56	2.99	1.36	20.22	757.74	5,419.48	5,480.88	5,476.55	4.33	1,265.635		
1,000.00	999.45	441.49	440.86	3.35	1.47	20.26	755.78	5,422.29	5,480.84	5,476.05	4.79	1,143.212		
1,100.00	1,098.70	502.00	500.85	3.73	1.70	20.36	751.23	5,428.75	5,478.78	5,473.40	5.37	1,019.432		
1,200.00	1,197.47	502.00	500.85	4.11	1.70	20.39	751.23	5,428.75	5,474.41	5,468.68	5.73	955.567		
1,300.00	1,295.62	547.63	545.97	4.53	1.89	20.51	747.50	5,434.45	5,468.01	5,461.75	6.27	872.447		
1,400.00	1,393.06	593.00	590.73	4.97	2.08	20.65	743.87	5,440.90	5,459.71	5,452.90	6.81	801.520		
1,500.00	1,489.64	593.00	590.73	5.44	2.08	20.73	743.87	5,440.90	5,449.38	5,442.20	7.18	758.501		
1,600.00	1,585.27	645.32	642.20	5.95	2.31	20.93	739.67	5,449.27	5,436.90	5,429.12	7.78	698.948		
1,700.00	1,679.82	684.00	680.14	6.51	2.48	21.12	736.48	5,456.08	5,422.49	5,414.17	8.33	651.062		
1,800.00	1,773.17	719.18	714.60	7.13	2.64	21.33	733.75	5,462.64	5,406.02	5,397.14	8.88	608.908		
1,900.00	1,865.21	776.00	770.21	7.79	2.91	21.61	730.22	5,473.75	5,387.44	5,377.91	9.53	565.252		
2,000.00	1,955.84	809.20	802.66	8.51	3.07	21.86	728.43	5,480.52	5,366.59	5,356.48	10.10	531.131		
2,100.00	2,044.94	870.00	861.98	9.30	3.36	22.20	724.94	5,493.40	5,343.54	5,332.73	10.81	494.433		
2,200.00	2,132.39	931.65	922.05	10.15	3.67	22.59	721.45	5,506.82	5,318.04	5,306.50	11.54	460.820		
2,300.00	2,218.11	1,023.93	1,011.98	11.07	4.13	23.10	716.89	5,527.00	5,289.78	5,277.37	12.41	426.122		
2,400.00	2,301.97	1,120.58	1,106.24	12.06	4.62	23.68	712.68	5,547.97	5,258.48	5,245.14	13.33	394.395		
2,500.00	2,383.88	1,209.06	1,192.53	13.11	5.07	24.28	708.83	5,567.13	5,224.26	5,210.01	14.24	366.762		
2,512.74	2,394.17	1,219.87	1,203.07	13.25	5.13	24.36	708.28	5,569.48	5,219.70	5,205.33	14.36	363.415		
2,600.00	2,464.54	1,280.21	1,261.84	14.22	5.44	24.59	704.88	5,582.68	5,188.47	5,173.36	15.11	343.387		
2,700.00	2,545.18	1,341.25	1,321.19	15.35	5.76	24.83	700.75	5,596.38	5,153.27	5,137.32	15.95	323.054		
2,800.00	2,625.82	1,422.19	1,399.78	16.50	6.20	25.16	694.83	5,614.82	5,118.56	5,101.66	16.90	302.853		
2,900.00	2,706.45	1,484.13	1,459.87	17.65	6.54	25.42	690.36	5,629.11	5,084.32	5,066.53	17.78	285.878		
3,000.00	2,787.09	1,543.44	1,517.36	18.82	6.86	25.66	686.24	5,643.12	5,050.79	5,032.11	18.67	270.486		
3,100.00	2,867.73	1,602.85	1,574.85	19.99	7.19	25.91	682.03	5,657.49	5,017.97	4,998.40	19.58	256.321		
3,200.00	2,948.37	1,744.88	1,712.38	21.17	7.98	26.50	672.08	5,691.51	4,985.16	4,964.31	20.86	239.033		
3,300.00	3,029.01	1,829.94	1,794.88	22.36	8.45	26.86	666.46	5,711.46	4,952.11	4,930.22	21.90	226.159		
3,400.00	3,109.65	1,921.80	1,883.98	23.55	8.96	27.25	660.76	5,733.07	4,919.36	4,896.38	22.98	214.090		
3,500.00	3,190.29	2,037.48	1,996.40	24.74	9.59	27.73	654.84	5,759.70	4,886.34	4,862.17	24.17	202.198		
3,600.00	3,270.93	2,127.50	2,083.93	25.94	10.07	28.10	650.67	5,780.30	4,853.42	4,828.17	25.26	192.170		
3,700.00	3,351.57	2,214.93	2,168.93	27.14	10.55	28.48	646.14	5,800.24	4,820.66	4,794.31	26.35	182.939		
3,800.00	3,432.21	2,299.28	2,250.82	28.35	11.01	28.86	640.37	5,819.62	4,788.26	4,760.81	27.45	174.412		
3,900.00	3,512.85	2,413.40	2,361.67	29.56	11.64	29.38	632.38	5,845.54	4,755.88	4,727.18	28.70	165.707		
4,000.00	3,593.49	2,491.01	2,437.12	30.76	12.06	29.74	626.74	5,862.86	4,723.42	4,693.62	29.80	158.487		
4,100.00	3,674.13	2,555.00	2,499.20	31.97	12.41	30.04	622.13	5,877.67	4,691.87	4,661.01	30.86	152.038		
4,200.00	3,754.77	2,636.17	2,577.92	33.19	12.87	30.43	616.76	5,896.74	4,660.91	4,628.91	32.00	145.648		
4,300.00	3,835.41	2,835.00	2,771.74	34.40	13.92	31.35	605.47	5,939.55	4,627.69	4,594.05	33.64	137.551		
4,400.00	3,916.05	2,890.22	2,825.67	35.62	14.21	31.62	602.15	5,950.95	4,594.90	4,560.20	34.70	132.422		
4,500.00	3,996.69	2,928.00	2,862.38	36.83	14.41	31.81	599.40	5,959.40	4,563.66	4,527.96	35.69	127.863		
4,600.00	4,077.33	2,998.42	2,930.72	38.05	14.80	32.16	594.50	5,975.68	4,533.43	4,496.59	36.84	123.056		
4,700.00	4,157.96	3,098.54	3,027.98	39.27	15.35	32.64	588.98	5,998.82	4,503.41	4,465.28	38.12	118.124		
4,800.00	4,238.60	3,190.80	3,117.63	40.49	15.86	33.10	583.85	6,019.95	4,473.47	4,434.08	39.39	113.573		
4,900.00	4,319.24	3,317.14	3,240.53	41.71	16.54	33.73	576.30	6,048.27	4,443.39	4,402.58	40.82	108.862		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 47-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	4,399.88	3,384.78	3,306.36	42.93	16.91	34.07	572.82	6,063.37	4,413.46	4,371.46	42.00	105.084		
5,100.00	4,480.52	3,452.39	3,372.10	44.15	17.27	34.41	569.39	6,078.78	4,384.24	4,341.04	43.20	101.497		
5,200.00	4,561.16	3,525.70	3,443.28	45.37	17.68	34.79	564.79	6,095.74	4,355.71	4,311.27	44.44	98.020		
5,300.00	4,641.80	3,629.73	3,544.19	46.59	18.26	35.36	556.83	6,119.74	4,327.63	4,281.79	45.84	94.401		
5,400.00	4,722.44	3,781.43	3,691.77	47.82	19.08	36.19	546.43	6,153.24	4,298.86	4,251.39	47.47	90.552		
5,500.00	4,803.08	3,905.25	3,812.62	49.04	19.73	36.86	539.37	6,179.24	4,269.29	4,220.31	48.98	87.168		
5,600.00	4,883.72	3,987.13	3,892.62	50.27	20.15	37.29	536.04	6,196.41	4,239.83	4,189.53	50.31	84.281		
5,700.00	4,964.36	4,056.61	3,960.43	51.49	20.51	37.67	532.83	6,211.17	4,211.01	4,159.41	51.60	81.610		
5,800.00	5,045.00	4,128.09	4,030.14	52.71	20.89	38.06	529.14	6,226.59	4,182.88	4,129.96	52.92	79.043		
5,900.00	5,125.64	5,160.01	5,052.76	53.94	24.91	44.19	501.21	6,340.26	4,147.26	4,090.31	56.95	72.828		
6,000.00	5,206.28	5,247.18	5,139.92	55.17	25.12	44.75	501.73	6,340.08	4,100.59	4,042.31	58.28	70.364		
6,100.00	5,286.92	5,331.13	5,223.88	56.39	25.33	45.30	502.21	6,339.82	4,054.18	3,994.56	59.63	67.994		
6,200.00	5,367.56	5,425.09	5,317.83	57.62	25.55	45.93	503.16	6,339.46	4,007.98	3,946.98	61.00	65.704		
6,300.00	5,448.20	5,513.15	5,405.88	58.84	25.77	46.52	504.19	6,338.85	3,961.83	3,899.44	62.39	63.501		
6,400.00	5,528.84	5,595.62	5,488.34	60.07	25.97	47.09	505.15	6,338.21	3,915.98	3,852.18	63.80	61.379		
6,500.00	5,609.47	5,681.77	5,574.48	61.30	26.17	47.70	506.08	6,337.46	3,870.43	3,805.20	65.23	59.332		
6,600.00	5,690.11	5,773.56	5,666.26	62.53	26.40	48.37	506.73	6,336.35	3,825.08	3,758.38	66.69	57.352		
6,700.00	5,770.75	5,867.18	5,759.86	63.75	26.62	49.07	507.38	6,334.90	3,779.85	3,711.67	68.18	55.439		
6,800.00	5,851.39	5,958.03	5,850.70	64.98	26.84	49.76	508.00	6,333.16	3,734.76	3,665.07	69.69	53.593		
6,900.00	5,932.03	6,040.63	5,933.28	66.21	27.04	50.41	508.51	6,331.40	3,689.95	3,618.73	71.22	51.812		
7,000.00	6,012.67	6,115.13	6,007.77	67.44	27.22	51.00	508.99	6,329.87	3,645.64	3,572.86	72.77	50.096		
7,100.00	6,093.31	6,188.97	6,081.58	68.66	27.40	51.60	509.34	6,328.43	3,601.91	3,527.56	74.35	48.442		
7,200.00	6,173.95	6,269.58	6,162.18	69.89	27.60	52.28	509.45	6,326.85	3,558.76	3,482.79	75.97	46.845		
7,300.00	6,254.59	6,338.14	6,230.73	71.12	27.77	52.86	509.38	6,325.48	3,516.14	3,438.54	77.61	45.307		
7,400.00	6,335.23	6,394.00	6,286.58	72.35	27.91	53.34	509.20	6,324.61	3,474.47	3,395.21	79.27	43.833		
7,500.00	6,415.87	6,446.08	6,338.66	73.58	28.05	53.80	508.98	6,324.20	3,433.96	3,353.00	80.95	42.419		
7,600.00	6,496.51	6,488.00	6,380.58	74.81	28.16	54.17	508.82	6,324.27	3,394.77	3,312.12	82.65	41.074		
7,700.00	6,577.15	6,546.91	6,439.49	76.04	28.34	54.69	508.55	6,324.92	3,356.86	3,272.47	84.39	39.778		
7,800.00	6,657.79	6,637.48	6,530.04	77.27	28.61	55.50	507.96	6,326.52	3,320.10	3,233.91	86.19	38.520		
7,900.00	6,738.43	6,742.14	6,634.70	78.50	28.92	56.46	507.39	6,327.30	3,283.10	3,195.06	88.03	37.294		
8,000.00	6,819.07	6,831.73	6,724.28	79.73	29.17	57.30	506.89	6,327.64	3,246.51	3,156.63	89.88	36.120		
8,100.00	6,899.71	6,915.61	6,808.16	80.96	29.41	58.11	506.32	6,327.71	3,210.40	3,118.65	91.75	34.991		
8,200.00	6,980.35	6,989.32	6,881.86	82.18	29.62	58.83	505.78	6,327.77	3,175.02	3,081.39	93.63	33.909		
8,240.58	7,013.07	7,016.44	6,908.98	82.68	29.70	59.10	505.54	6,327.84	3,160.95	3,066.55	94.40	33.484		
8,250.00	7,020.68	7,022.75	6,915.30	82.80	29.71	57.68	505.47	6,327.87	3,157.67	3,063.09	94.58	33.387		
8,300.00	7,061.63	7,058.73	6,951.27	83.40	29.82	49.61	505.09	6,328.04	3,139.01	3,043.54	95.47	32.881		
8,350.00	7,103.23	7,103.39	6,995.94	83.97	29.95	40.73	504.62	6,328.25	3,118.24	3,021.98	96.26	32.394		
8,400.00	7,145.18	7,148.44	7,040.98	84.51	30.08	31.16	504.17	6,328.42	3,095.41	2,998.46	96.94	31.930		
8,450.00	7,187.16	7,188.08	7,080.61	85.01	30.20	21.19	503.76	6,328.57	3,070.68	2,973.18	97.50	31.493		
8,500.00	7,228.84	7,228.09	7,120.62	85.46	30.31	11.14	503.32	6,328.74	3,044.23	2,946.29	97.94	31.083		
8,550.00	7,269.91	7,272.73	7,165.26	85.86	30.44	1.28	502.79	6,328.90	3,016.21	2,917.96	98.25	30.700		
8,600.00	7,310.05	7,317.60	7,210.12	86.20	30.57	-8.29	502.21	6,328.96	2,986.75	2,888.33	98.43	30.345		
8,650.00	7,348.97	7,358.08	7,250.60	86.50	30.69	-17.47	501.66	6,328.95	2,956.11	2,857.65	98.47	30.021		
8,700.00	7,386.36	7,395.86	7,288.38	86.74	30.80	-26.26	501.16	6,328.95	2,924.59	2,826.21	98.37	29.729		
8,750.00	7,421.94	7,431.85	7,324.37	86.93	30.90	-34.63	500.72	6,328.96	2,892.45	2,794.31	98.14	29.472		
8,800.00	7,455.44	7,465.78	7,358.30	87.07	31.00	-42.59	500.32	6,328.98	2,860.00	2,762.23	97.78	29.250		
8,850.00	7,486.61	7,497.38	7,389.90	87.16	31.09	-50.08	499.97	6,329.01	2,827.57	2,730.29	97.28	29.066		
8,900.00	7,515.20	7,527.00	7,419.51	87.20	31.18	-57.07	499.66	6,329.04	2,795.48	2,698.82	96.66	28.922		
8,950.00	7,541.00	7,554.85	7,447.36	87.21	31.26	-63.51	499.39	6,329.07	2,764.06	2,668.15	95.91	28.819		
9,000.00	7,563.81	7,579.46	7,471.96	87.17	31.33	-69.31	499.18	6,329.09	2,733.68	2,638.63	95.05	28.761		
9,050.00	7,583.47	7,600.65	7,493.15	87.10	31.40	-74.43	499.02	6,329.10	2,704.67	2,610.59	94.08	28.748 SF		
9,100.00	7,599.81	7,618.27	7,510.78	87.00	31.45	-78.86	498.90	6,329.11	2,677.39	2,584.37	93.02	28.783		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ BURY CRANDELL 8-2-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 47-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,150.00	7,612.72	7,628.53	7,521.04	86.88	31.48	-82.51	498.83	6,329.13	2,652.19	2,560.31	91.88	28.867		
9,200.00	7,622.09	7,637.08	7,529.58	86.72	31.50	-85.51	498.77	6,329.15	2,629.35	2,538.69	90.66	29.002		
9,250.00	7,627.87	7,642.45	7,534.96	86.55	31.52	-87.87	498.73	6,329.16	2,609.16	2,519.77	89.39	29.187		
9,303.98	7,630.00	7,644.65	7,537.15	86.35	31.53	-89.72	498.72	6,329.16	2,590.61	2,502.62	87.98	29.444		
9,400.00	7,630.00	7,645.21	7,537.72	85.99	31.53	-89.74	498.71	6,329.17	2,562.38	2,476.92	85.46	29.984		
9,500.00	7,630.00	7,645.80	7,538.31	85.62	31.53	-89.75	498.71	6,329.17	2,536.51	2,453.65	82.86	30.610		
9,600.00	7,630.00	7,646.39	7,538.89	85.28	31.53	-89.76	498.71	6,329.17	2,514.36	2,434.01	80.35	31.293		
9,700.00	7,630.00	7,646.97	7,539.48	84.95	31.53	-89.78	498.70	6,329.17	2,496.02	2,418.05	77.96	32.017		
9,800.00	7,630.00	7,647.56	7,540.07	84.64	31.53	-89.79	498.70	6,329.17	2,481.57	2,405.82	75.75	32.760		
9,900.00	7,630.00	7,648.14	7,540.65	84.34	31.54	-89.81	498.69	6,329.17	2,471.09	2,397.32	73.78	33.494		
10,000.00	7,630.00	7,648.73	7,541.23	84.06	31.54	-89.82	498.69	6,329.17	2,464.63	2,392.53	72.10	34.183		
10,100.00	7,630.00	7,649.31	7,541.82	83.80	31.54	-89.83	498.69	6,329.18	2,462.21	2,391.43	70.78	34.785 ES		
10,109.50	7,630.00	7,649.37	7,541.87	83.78	31.54	-89.83	498.69	6,329.18	2,462.20	2,391.51	70.68	34.835 CC		
10,200.00	7,630.00	7,649.89	7,542.40	83.56	31.54	-89.85	498.68	6,329.18	2,463.86	2,393.99	69.87	35.263		
10,300.00	7,630.00	7,650.47	7,542.98	83.33	31.54	-89.86	498.68	6,329.18	2,469.55	2,400.15	69.40	35.583		
10,400.00	7,630.00	7,651.06	7,543.56	83.12	31.54	-89.87	498.67	6,329.18	2,479.27	2,409.88	69.40	35.727		
10,500.00	7,630.00	7,651.64	7,544.14	82.92	31.55	-89.89	498.67	6,329.18	2,492.97	2,423.13	69.84	35.695		
10,600.00	7,630.00	7,652.21	7,544.72	82.75	31.55	-89.90	498.67	6,329.19	2,510.58	2,439.86	70.71	35.504		
10,700.00	7,630.00	7,652.79	7,545.30	82.59	31.55	-89.91	498.66	6,329.19	2,532.01	2,460.05	71.96	35.184		
10,800.00	7,630.00	7,653.37	7,545.88	82.45	31.55	-89.93	498.66	6,329.19	2,557.18	2,483.64	73.54	34.773		
10,900.00	7,630.00	7,653.95	7,546.45	82.33	31.55	-89.94	498.66	6,329.19	2,585.98	2,510.60	75.37	34.309		
11,000.00	7,630.00	7,654.52	7,547.03	82.22	31.56	-89.95	498.65	6,329.19	2,618.28	2,540.87	77.41	33.824		
11,100.00	7,630.00	7,655.10	7,547.60	82.14	31.56	-89.97	498.65	6,329.19	2,653.95	2,574.37	79.59	33.347		
11,200.00	7,630.00	7,655.67	7,548.18	82.08	31.56	-89.98	498.64	6,329.20	2,692.87	2,611.01	81.86	32.897		
11,300.00	7,630.00	7,656.25	7,548.75	82.04	31.56	-89.99	498.64	6,329.20	2,734.89	2,650.71	84.18	32.488		
11,400.00	7,630.00	7,656.82	7,549.33	82.02	31.56	-90.01	498.64	6,329.20	2,779.88	2,693.36	86.52	32.130		
11,500.00	7,630.00	7,657.39	7,549.90	82.03	31.56	-90.02	498.63	6,329.20	2,827.69	2,738.84	88.85	31.825		
11,600.00	7,630.00	7,657.97	7,550.47	82.06	31.57	-90.03	498.63	6,329.20	2,878.18	2,787.03	91.15	31.578		
11,700.00	7,630.00	7,658.54	7,551.04	82.12	31.57	-90.05	498.63	6,329.21	2,931.21	2,837.82	93.39	31.386		
11,800.00	7,630.00	7,659.11	7,551.61	82.21	31.57	-90.06	498.62	6,329.21	2,986.65	2,891.07	95.58	31.248		
11,900.00	7,630.00	7,659.68	7,552.18	82.33	31.57	-90.07	498.62	6,329.21	3,044.37	2,946.68	97.69	31.163		
12,000.00	7,630.00	7,660.25	7,552.75	82.48	31.57	-90.09	498.61	6,329.21	3,104.23	3,004.51	99.73	31.127		
12,100.00	7,630.00	7,660.81	7,553.32	82.66	31.57	-90.10	498.61	6,329.21	3,166.13	3,064.44	101.68	31.137		
12,200.00	7,630.00	7,661.38	7,553.89	82.88	31.58	-90.11	498.61	6,329.22	3,229.93	3,126.37	103.56	31.190		
12,300.00	7,630.00	7,661.95	7,554.45	83.14	31.58	-90.13	498.60	6,329.22	3,295.53	3,190.19	105.35	31.283		
12,400.00	7,630.00	7,662.51	7,555.02	83.44	31.58	-90.14	498.60	6,329.22	3,362.83	3,255.78	107.05	31.413		
12,500.00	7,630.00	7,663.08	7,555.58	83.79	31.58	-90.15	498.60	6,329.22	3,431.72	3,323.04	108.68	31.577		
12,600.00	7,630.00	7,663.64	7,556.15	84.18	31.58	-90.17	498.59	6,329.22	3,502.11	3,391.89	110.22	31.773		
12,700.00	7,630.00	7,664.21	7,556.71	84.61	31.58	-90.18	498.59	6,329.23	3,573.91	3,462.22	111.69	31.998		
12,800.00	7,630.00	7,664.77	7,557.27	85.10	31.59	-90.19	498.58	6,329.23	3,647.04	3,533.95	113.09	32.249		
12,900.00	7,630.00	7,665.33	7,557.84	85.64	31.59	-90.21	498.58	6,329.23	3,721.43	3,607.01	114.42	32.526		
13,000.00	7,630.00	7,665.89	7,558.40	86.22	31.59	-90.22	498.58	6,329.23	3,796.98	3,681.31	115.67	32.825		
13,100.00	7,630.00	7,666.45	7,558.96	86.86	31.59	-90.23	498.57	6,329.23	3,873.65	3,756.78	116.87	33.146		
13,200.00	7,630.00	7,667.01	7,559.52	87.56	31.59	-90.24	498.57	6,329.24	3,951.36	3,833.36	118.00	33.486		
13,300.00	7,630.00	7,667.57	7,560.08	88.30	31.59	-90.26	498.57	6,329.24	4,030.05	3,910.98	119.08	33.844		
13,400.00	7,630.00	7,668.13	7,560.64	89.10	31.60	-90.27	498.56	6,329.24	4,109.67	3,989.57	120.10	34.220		
13,500.00	7,630.00	7,668.69	7,561.20	89.94	31.60	-90.28	498.56	6,329.24	4,190.16	4,069.10	121.07	34.610		
13,600.00	7,630.00	7,669.25	7,561.75	90.84	31.60	-90.30	498.55	6,329.25	4,271.48	4,149.49	121.99	35.016		
13,700.00	7,630.00	7,669.80	7,562.31	91.78	31.60	-90.31	498.55	6,329.25	4,353.58	4,230.71	122.86	35.435		
13,800.00	7,630.00	7,670.36	7,562.86	92.77	31.60	-90.32	498.55	6,329.25	4,436.41	4,312.71	123.69	35.866		
13,900.00	7,630.00	7,670.92	7,563.42	93.79	31.60	-90.34	498.54	6,329.25	4,519.93	4,395.45	124.48	36.310		
14,000.00	7,630.00	7,671.47	7,563.97	94.86	31.61	-90.35	498.54	6,329.25	4,604.11	4,478.88	125.24	36.764		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ BURY CRANDELL 8-2-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 47-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,100.00	7,630.00	7,672.02	7,564.53	95.97	31.61	-90.36	498.54	6,329.26	4,688.91	4,562.96	125.95	37.228		
14,200.00	7,630.00	7,672.58	7,565.08	97.11	31.61	-90.37	498.53	6,329.26	4,774.30	4,647.67	126.63	37.702		
14,300.00	7,630.00	7,673.13	7,565.63	98.28	31.61	-90.39	498.53	6,329.26	4,860.25	4,732.97	127.28	38.185		
14,400.00	7,630.00	7,673.68	7,566.19	99.48	31.61	-90.40	498.53	6,329.26	4,946.73	4,818.83	127.90	38.676		
14,500.00	7,630.00	7,674.23	7,566.74	100.72	31.61	-90.41	498.52	6,329.27	5,033.71	4,905.21	128.49	39.175		
14,600.00	7,630.00	7,674.78	7,567.29	101.97	31.62	-90.43	498.52	6,329.27	5,121.16	4,992.10	129.05	39.682		
14,700.00	7,630.00	7,675.33	7,567.84	103.26	31.62	-90.44	498.52	6,329.27	5,209.06	5,079.47	129.59	40.196		
14,800.00	7,630.00	7,675.88	7,568.38	104.56	31.62	-90.45	498.51	6,329.27	5,297.39	5,167.29	130.11	40.716		
14,900.00	7,630.00	7,676.43	7,568.93	105.89	31.62	-90.46	498.51	6,329.28	5,386.14	5,255.54	130.60	41.242		
15,000.00	7,630.00	7,676.98	7,569.48	107.24	31.62	-90.48	498.50	6,329.28	5,475.26	5,344.19	131.07	41.774		
15,100.00	7,630.00	7,677.52	7,570.03	108.60	31.62	-90.49	498.50	6,329.28	5,564.76	5,433.24	131.52	42.311		
15,200.00	7,630.00	7,678.07	7,570.57	109.98	31.63	-90.50	498.50	6,329.28	5,654.61	5,522.66	131.95	42.854		
15,300.00	7,630.00	7,678.61	7,571.12	111.38	31.63	-90.51	498.49	6,329.29	5,744.80	5,612.43	132.36	43.401		
15,400.00	7,630.00	7,679.16	7,571.66	112.79	31.63	-90.53	498.49	6,329.29	5,835.30	5,702.54	132.76	43.953		
15,500.00	7,630.00	7,679.70	7,572.21	114.22	31.63	-90.54	498.49	6,329.29	5,926.11	5,792.97	133.14	44.510		
15,600.00	7,630.00	7,680.25	7,572.75	115.66	31.63	-90.55	498.48	6,329.29	6,017.22	5,883.71	133.51	45.070		
15,700.00	7,630.00	7,680.79	7,573.29	117.11	31.63	-90.57	498.48	6,329.30	6,108.60	5,974.74	133.86	45.635		
15,800.00	7,630.00	7,681.33	7,573.84	118.57	31.64	-90.58	498.48	6,329.30	6,200.24	6,066.05	134.20	46.203		
15,900.00	7,630.00	7,681.87	7,574.38	120.05	31.64	-90.59	498.47	6,329.30	6,292.14	6,157.62	134.52	46.774		
16,000.00	7,630.00	7,682.41	7,574.92	121.53	31.64	-90.60	498.47	6,329.30	6,384.29	6,249.45	134.83	47.349		
16,100.00	7,630.00	7,682.95	7,575.46	123.03	31.64	-90.62	498.47	6,329.31	6,476.66	6,341.53	135.13	47.927		
16,200.00	7,630.00	7,683.49	7,576.00	124.53	31.64	-90.63	498.46	6,329.31	6,569.26	6,433.84	135.43	48.508		
16,300.00	7,630.00	7,684.03	7,576.53	126.04	31.64	-90.64	498.46	6,329.31	6,662.08	6,526.37	135.70	49.092		
16,400.00	7,630.00	7,684.57	7,577.07	127.56	31.64	-90.65	498.46	6,329.31	6,755.10	6,619.12	135.97	49.679		
16,500.00	7,630.00	7,685.11	7,577.61	129.09	31.65	-90.67	498.45	6,329.32	6,848.31	6,712.08	136.24	50.268		
16,600.00	7,630.00	7,685.64	7,578.15	130.62	31.65	-90.68	498.45	6,329.32	6,941.72	6,805.23	136.49	50.860		
16,700.00	7,630.00	7,686.18	7,578.68	132.16	31.65	-90.69	498.45	6,329.32	7,035.30	6,898.57	136.73	51.454		
16,800.00	7,630.00	7,686.71	7,579.22	133.71	31.65	-90.70	498.44	6,329.32	7,129.06	6,992.10	136.97	52.050		
16,900.00	7,630.00	7,687.25	7,579.75	135.27	31.65	-90.72	498.44	6,329.33	7,222.99	7,085.80	137.19	52.648		
17,000.00	7,630.00	7,687.78	7,580.29	136.83	31.65	-90.73	498.44	6,329.33	7,317.08	7,179.67	137.41	53.249		
17,100.00	7,630.00	7,688.31	7,580.82	138.39	31.66	-90.74	498.43	6,329.33	7,411.32	7,273.70	137.63	53.851		
17,200.00	7,630.00	7,688.85	7,581.35	139.97	31.66	-90.75	498.43	6,329.34	7,505.72	7,367.88	137.83	54.455		
17,300.00	7,630.00	7,689.38	7,581.88	141.54	31.66	-90.77	498.42	6,329.34	7,600.25	7,462.22	138.03	55.061		
17,400.00	7,630.00	7,689.91	7,582.41	143.12	31.66	-90.78	498.42	6,329.34	7,694.92	7,556.70	138.23	55.668		
17,500.00	7,630.00	7,690.44	7,582.95	144.71	31.66	-90.79	498.42	6,329.34	7,789.73	7,651.31	138.42	56.277		
17,600.00	7,630.00	7,690.97	7,583.48	146.30	31.66	-90.80	498.41	6,329.35	7,884.67	7,746.07	138.60	56.888		
17,700.00	7,630.00	7,691.50	7,584.00	147.90	31.67	-90.81	498.41	6,329.35	7,979.72	7,840.95	138.78	57.500		
17,800.00	7,630.00	7,692.03	7,584.53	149.50	31.67	-90.83	498.41	6,329.35	8,074.90	7,935.95	138.95	58.113		
17,900.00	7,630.00	7,692.56	7,585.06	151.10	31.67	-90.84	498.40	6,329.36	8,170.19	8,031.08	139.12	58.728		
18,000.00	7,630.00	7,693.08	7,585.59	152.71	31.67	-90.85	498.40	6,329.36	8,265.60	8,126.32	139.28	59.344		
18,100.00	7,630.00	7,693.61	7,586.11	154.32	31.67	-90.86	498.40	6,329.36	8,361.11	8,221.67	139.44	59.961		
18,200.00	7,630.00	7,694.14	7,586.64	155.94	31.67	-90.88	498.39	6,329.36	8,456.73	8,317.13	139.60	60.579		
18,300.00	7,630.00	7,694.66	7,587.17	157.56	31.67	-90.89	498.39	6,329.37	8,552.44	8,412.69	139.75	61.198		
18,400.00	7,630.00	7,695.19	7,587.69	159.18	31.68	-90.90	498.39	6,329.37	8,648.25	8,508.36	139.90	61.819		
18,500.00	7,630.00	7,695.71	7,588.21	160.80	31.68	-90.91	498.38	6,329.37	8,744.16	8,604.12	140.04	62.440		
18,600.00	7,630.00	7,713.37	7,587.13	162.43	31.73	-90.89	498.39	6,329.36	8,840.16	8,699.92	140.24	63.038		
18,700.00	7,630.00	7,712.75	7,587.76	164.06	31.73	-90.90	498.39	6,329.37	8,936.24	8,795.87	140.37	63.662		
18,800.00	7,630.00	7,712.12	7,588.38	165.70	31.73	-90.92	498.38	6,329.37	9,032.41	8,891.91	140.50	64.288		
18,900.00	7,630.00	7,711.50	7,589.01	167.33	31.73	-90.93	498.38	6,329.38	9,128.66	8,988.04	140.63	64.914		
19,000.00	7,630.00	7,710.87	7,589.63	168.97	31.72	-90.95	498.38	6,329.38	9,224.99	9,084.24	140.75	65.541		
19,021.79	7,630.00	7,710.73	7,589.77	169.33	31.72	-90.95	498.37	6,329.38	9,245.99	9,105.22	140.78	65.678		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 78-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	82.00	758.31	5,394.09	5,447.74					
100.00	100.00	22.29	22.29	0.13	0.03	82.00	758.29	5,394.08	5,447.12	5,446.95	0.17	N/A		
199.32	199.32	117.32	117.32	0.49	0.26	82.00	757.65	5,394.01	5,446.97	5,446.22	0.75	7,276.181		
200.00	200.00	117.82	117.81	0.49	0.26	82.00	757.65	5,394.02	5,446.97	5,446.21	0.75	7,235.558		
300.00	300.00	169.00	168.97	0.85	0.45	82.02	756.20	5,394.31	5,447.28	5,445.98	1.30	4,203.677		
400.00	400.00	236.05	235.92	1.21	0.70	82.06	752.78	5,395.42	5,448.30	5,446.40	1.90	2,864.530		
500.00	500.00	293.86	293.54	1.57	0.91	82.11	748.42	5,397.16	5,450.22	5,447.74	2.48	2,198.117		
600.00	600.00	351.00	350.39	1.93	1.13	82.16	743.13	5,399.38	5,452.85	5,449.80	3.06	1,783.226		
700.00	700.00	412.48	411.41	2.29	1.38	82.24	736.25	5,402.38	5,456.23	5,452.57	3.66	1,488.822		
800.00	799.98	442.00	440.64	2.64	1.50	20.48	732.48	5,404.08	5,458.90	5,454.77	4.14	1,319.496		
900.00	899.84	495.86	493.81	2.99	1.74	20.57	724.74	5,407.84	5,459.28	5,454.56	4.72	1,156.623		
1,000.00	999.45	533.00	530.32	3.35	1.90	20.66	718.75	5,411.05	5,457.64	5,452.41	5.23	1,043.042		
1,100.00	1,098.70	567.25	563.88	3.73	2.07	20.77	712.78	5,414.45	5,453.93	5,448.18	5.75	949.005		
1,200.00	1,197.47	624.00	619.21	4.11	2.34	20.96	702.05	5,421.02	5,448.28	5,441.91	6.37	855.004		
1,300.00	1,295.62	647.85	642.36	4.53	2.47	21.09	697.20	5,424.06	5,440.32	5,433.47	6.86	793.619		
1,400.00	1,393.06	715.00	707.22	4.97	2.82	21.39	682.32	5,433.01	5,430.04	5,422.47	7.57	717.452		
1,500.00	1,489.64	758.43	748.91	5.44	3.07	21.65	671.84	5,439.18	5,417.38	5,409.19	8.19	661.820		
1,600.00	1,585.27	808.00	796.25	5.95	3.36	21.96	659.20	5,446.72	5,402.55	5,393.71	8.85	610.708		
1,700.00	1,679.82	857.10	842.88	6.51	3.67	22.30	645.99	5,454.62	5,385.50	5,375.97	9.54	564.715		
1,800.00	1,773.17	912.02	894.73	7.13	4.01	22.71	630.41	5,463.84	5,366.17	5,355.89	10.28	522.148		
1,900.00	1,865.21	971.56	950.80	7.79	4.40	23.17	613.27	5,474.19	5,344.53	5,333.46	11.07	482.737		
2,000.00	1,955.84	1,054.64	1,028.92	8.51	4.96	23.80	589.14	5,488.94	5,320.46	5,308.41	12.04	441.785		
2,100.00	2,044.94	1,136.78	1,105.89	9.30	5.52	24.47	564.44	5,503.50	5,293.64	5,280.60	13.04	405.948		
2,200.00	2,132.39	2,200.00	1,286.29	10.15	12.70	25.83	507.74	5,535.20	5,262.99	5,242.68	20.31	259.153		
2,300.00	2,218.11	1,389.11	1,343.41	11.07	7.24	26.50	489.90	5,544.66	5,229.31	5,213.64	15.68	333.557		
2,400.00	2,301.97	1,433.00	1,384.64	12.06	7.54	27.12	476.73	5,551.92	5,193.82	5,177.32	16.50	314.776		
2,500.00	2,383.88	1,463.67	1,413.34	13.11	7.76	27.70	467.33	5,557.23	5,156.52	5,139.25	17.27	298.524		
2,512.74	2,394.17	1,468.22	1,417.60	13.25	7.79	27.78	465.91	5,558.03	5,151.65	5,134.27	17.38	296.396		
2,600.00	2,464.54	1,499.27	1,446.52	14.22	8.01	27.99	456.11	5,563.63	5,118.59	5,100.48	18.11	282.707		
2,700.00	2,545.18	1,544.99	1,488.90	15.35	8.35	28.32	441.26	5,572.22	5,081.77	5,062.74	19.03	267.039		
2,800.00	2,625.82	1,628.01	1,565.77	16.50	8.97	28.91	414.08	5,587.86	5,045.65	5,025.40	20.25	249.184		
2,900.00	2,706.45	1,701.67	1,634.06	17.65	9.51	29.44	390.21	5,601.73	5,010.09	4,988.67	21.42	233.913		
3,000.00	2,787.09	1,850.11	1,772.43	18.82	10.59	30.51	343.58	5,628.41	4,974.28	4,951.15	23.12	215.108		
3,100.00	2,867.73	1,919.71	1,837.66	19.99	11.08	31.00	322.65	5,640.69	4,938.88	4,914.60	24.28	203.373		
3,200.00	2,948.37	1,998.41	1,911.59	21.17	11.64	31.56	299.56	5,654.65	4,904.10	4,878.58	25.52	192.182		
3,300.00	3,029.01	2,069.38	1,978.31	22.36	12.13	32.07	278.91	5,667.28	4,869.94	4,843.23	26.71	182.306		
3,400.00	3,109.65	2,130.20	2,035.42	23.55	12.56	32.51	261.06	5,678.20	4,836.53	4,808.67	27.86	173.605		
3,500.00	3,190.29	2,187.18	2,088.76	24.74	12.97	32.93	243.93	5,688.61	4,804.06	4,775.06	29.00	165.676		
3,600.00	3,270.93	2,246.64	2,144.31	25.94	13.40	33.38	225.86	5,699.67	4,772.53	4,742.35	30.17	158.180		
3,700.00	3,351.57	2,398.10	2,286.20	27.14	14.48	34.51	180.63	5,727.25	4,741.37	4,709.37	32.01	148.131		
3,800.00	3,432.21	2,485.73	2,368.77	28.35	15.08	35.16	155.50	5,742.40	4,709.93	4,676.54	33.40	141.026		
3,900.00	3,512.85	2,550.67	2,429.91	29.56	15.53	35.66	136.73	5,753.67	4,679.23	4,644.59	34.65	135.062		
4,000.00	3,593.49	2,609.11	2,484.75	30.76	15.95	36.11	119.31	5,763.90	4,649.46	4,613.59	35.87	129.612		
4,100.00	3,674.13	2,684.16	2,554.89	31.97	16.48	36.70	96.14	5,777.13	4,620.66	4,583.43	37.23	124.096		
4,200.00	3,754.77	2,775.95	2,641.18	33.19	17.13	37.41	69.30	5,793.26	4,592.27	4,553.54	38.73	118.582		
4,300.00	3,835.41	2,836.00	2,697.58	34.40	17.55	37.88	51.60	5,803.82	4,564.68	4,524.68	40.00	114.121		
4,400.00	3,916.05	2,890.68	2,748.78	35.62	17.95	38.32	35.09	5,813.58	4,538.16	4,496.91	41.25	110.012		
4,500.00	3,996.69	2,943.80	2,798.38	36.83	18.33	38.75	18.72	5,823.29	4,512.84	4,470.34	42.51	106.171		
4,600.00	4,077.33	3,004.54	2,854.97	38.05	18.78	39.24	-0.23	5,834.57	4,488.63	4,444.80	43.83	102.405		
4,700.00	4,157.96	3,074.73	2,920.25	39.27	19.30	39.82	-22.40	5,847.72	4,465.43	4,420.18	45.25	98.686		
4,800.00	4,238.60	3,152.70	2,992.65	40.49	19.88	40.47	-47.49	5,862.22	4,443.10	4,396.35	46.75	95.047		
4,900.00	4,319.24	3,254.71	3,087.13	41.71	20.65	41.33	-81.20	5,880.66	4,421.48	4,373.02	48.46	91.237		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 78-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	4,399.88	3,367.29	3,191.99	42.93	21.48	42.29	-117.15	5,900.36	4,399.98	4,349.72	50.26	87.543		
5,100.00	4,480.52	3,438.74	3,258.99	44.15	21.99	42.88	-138.44	5,913.10	4,379.10	4,327.38	51.72	84.668		
5,200.00	4,561.16	3,492.00	3,308.93	45.37	22.37	43.32	-154.19	5,922.82	4,359.34	4,306.30	53.04	82.189		
5,300.00	4,641.80	3,539.16	3,353.02	46.59	22.71	43.72	-168.42	5,931.62	4,340.90	4,286.58	54.32	79.909		
5,400.00	4,722.44	3,586.00	3,396.59	47.82	23.06	44.12	-183.10	5,940.56	4,323.96	4,268.35	55.61	77.759		
5,500.00	4,803.08	3,665.90	3,470.84	49.04	23.65	44.80	-208.24	5,956.03	4,308.19	4,251.01	57.18	75.343		
5,600.00	4,883.72	3,832.38	3,626.70	50.27	24.85	46.21	-257.97	5,986.77	4,291.88	4,232.42	59.47	72.172		
5,700.00	4,964.36	3,902.15	3,692.22	51.49	25.35	46.80	-278.42	5,999.33	4,276.24	4,215.27	60.96	70.145		
5,800.00	5,045.00	3,961.00	3,747.25	52.71	25.77	47.31	-296.51	6,009.70	4,261.71	4,199.33	62.38	68.320		
5,900.00	5,125.64	4,008.33	3,791.38	53.94	26.12	47.73	-311.39	6,018.16	4,248.54	4,184.84	63.70	66.691		
6,000.00	5,206.28	4,056.00	3,835.77	55.17	26.47	48.15	-326.29	6,027.12	4,236.91	4,171.88	65.03	65.151		
6,100.00	5,286.92	4,127.17	3,902.00	56.39	27.00	48.77	-348.41	6,040.86	4,226.56	4,159.99	66.57	63.493		
6,200.00	5,367.56	4,244.93	4,011.64	57.62	27.87	49.80	-385.25	6,062.97	4,216.90	4,148.37	68.53	61.533		
6,300.00	5,448.20	4,300.83	4,063.69	58.84	28.28	50.30	-402.91	6,073.16	4,207.93	4,137.99	69.94	60.162		
6,400.00	5,528.84	4,355.77	4,114.83	60.07	28.69	50.78	-420.05	6,083.58	4,200.30	4,128.96	71.34	58.874		
6,500.00	5,609.47	4,407.22	4,162.68	61.30	29.07	51.23	-436.06	6,093.68	4,194.09	4,121.38	72.71	57.685		
6,600.00	5,690.11	4,473.96	4,224.64	62.53	29.57	51.82	-456.88	6,107.12	4,189.23	4,115.02	74.21	56.449		
6,700.00	5,770.75	4,554.82	4,299.66	63.75	30.18	52.53	-482.41	6,123.21	4,185.36	4,109.50	75.86	55.174		
6,800.00	5,851.39	4,632.23	4,371.30	64.98	30.77	53.23	-507.84	6,137.85	4,182.38	4,104.90	77.48	53.978		
6,900.00	5,932.03	4,690.88	4,425.39	66.21	31.23	53.77	-527.76	6,148.64	4,180.62	4,101.69	78.93	52.965		
6,976.41	5,993.65	4,727.56	4,459.14	67.15	31.51	54.10	-540.45	6,155.39	4,180.22	4,100.27	79.95	52.285		
7,000.00	6,012.67	4,737.00	4,467.82	67.44	31.59	54.19	-543.69	6,157.18	4,180.29	4,100.04	80.24	52.094		
7,100.00	6,093.31	4,839.07	4,526.86	68.66	32.09	54.77	-584.84	6,307.94	4,156.54	4,066.43	90.10	46.131		
7,200.00	6,173.95	4,923.15	4,610.94	69.89	32.24	55.14	-605.07	6,307.38	4,129.38	4,037.79	91.58	45.088		
7,300.00	6,254.59	5,013.67	4,691.46	71.12	32.41	55.86	-605.31	6,306.55	4,102.74	4,009.66	93.08	44.078		
7,400.00	6,335.23	5,104.14	4,781.92	72.35	32.57	56.60	-605.36	6,305.60	4,076.63	3,982.04	94.58	43.101		
7,500.00	6,415.87	5,194.02	4,870.79	73.58	32.72	57.32	-605.22	6,304.48	4,050.98	3,954.88	96.10	42.156		
7,600.00	6,496.51	5,283.26	4,960.03	74.81	32.84	57.89	-605.00	6,303.75	4,026.13	3,928.52	97.61	41.247		
7,700.00	6,577.15	5,372.78	5,049.54	76.04	32.96	58.46	-604.21	6,302.00	4,001.58	3,902.44	99.14	40.362		
7,800.00	6,657.79	5,462.30	5,139.06	77.27	33.07	59.03	-603.76	6,300.67	3,977.55	3,876.87	100.68	39.507		
7,900.00	6,738.43	5,551.82	5,228.58	78.50	33.18	59.60	-603.07	6,297.94	3,953.99	3,851.76	102.23	38.676		
8,000.00	6,819.07	5,641.34	5,318.10	79.73	33.29	60.17	-602.03	6,295.18	3,930.71	3,826.92	103.79	37.872		
8,100.00	6,899.71	5,730.86	5,407.62	80.96	33.39	60.74	-601.07	6,293.19	3,908.03	3,802.67	105.36	37.094		
8,200.00	6,980.35	5,820.38	5,497.14	82.18	33.49	61.31	-600.24	6,292.08	3,886.59	3,779.66	106.92	36.349		
8,240.58	7,013.07	5,909.90	5,586.66	82.68	33.58	61.88	-799.94	6,291.91	3,878.34	3,770.78	107.56	36.057		
8,250.00	7,020.68	5,917.51	5,594.27	82.80	33.59	61.90	-799.87	6,291.88	3,876.41	3,768.70	107.71	35.990		
8,300.00	7,061.63	5,960.03	5,637.73	83.40	33.68	62.48	-799.38	6,291.83	3,864.36	3,755.91	108.46	35.630		
8,350.00	7,103.23	5,999.55	5,676.33	83.97	33.76	63.05	-798.68	6,290.94	3,849.08	3,739.91	109.17	35.257		
8,400.00	7,145.18	6,039.06	5,715.93	84.51	33.84	63.62	-798.76	6,288.65	3,830.46	3,720.64	109.82	34.878		
8,450.00	7,187.16	6,078.57	5,755.53	85.01	33.92	64.19	-799.56	6,285.09	3,808.61	3,698.21	110.41	34.496		
8,500.00	7,228.84	6,118.08	5,795.13	85.46	33.99	64.76	-799.50	6,285.45	3,784.18	3,673.27	110.91	34.118		
8,550.00	7,269.91	6,157.59	5,834.73	85.86	34.06	65.33	-799.78	6,284.72	3,757.27	3,645.93	111.34	33.746		
8,600.00	7,310.05	6,197.10	5,874.33	86.20	34.13	65.90	-800.08	6,284.11	3,728.09	3,616.40	111.68	33.381		
8,650.00	7,348.97	6,236.61	5,913.93	86.50	34.19	66.47	-800.79	6,283.23	3,696.91	3,584.96	111.96	33.021		
8,700.00	7,386.36	6,276.12	5,953.53	86.74	34.25	67.04	-800.79	6,283.23	3,663.63	3,551.51	112.12	32.676		
8,750.00	7,421.94	6,315.63	5,993.13	86.93	34.31	67.61	-801.17	6,282.97	3,628.77	3,516.55	112.21	32.338		
8,800.00	7,455.44	6,355.14	6,032.73	87.07	34.37	68.18	-801.55	6,282.83	3,592.42	3,480.20	112.23	32.010		
8,850.00	7,486.61	6,394.65	6,072.33	87.16	34.43	68.75	-801.87	6,282.83	3,554.87	3,442.71	112.16	31.695		
8,900.00	7,515.20	6,434.16	6,111.93	87.20	34.49	69.32	-802.13	6,282.95	3,516.40	3,404.39	112.01	31.393		
8,950.00	7,541.00	6,473.67	6,151.53	87.21	34.55	69.89	-802.38	6,283.21	3,477.33	3,365.53	111.79	31.105		
9,000.00	7,563.81	6,513.18	6,191.13	87.17	34.61	70.46	-802.38	6,283.21	3,437.98	3,326.50	111.48	30.840		
9,050.00	7,583.47	6,552.69	6,230.73	87.10	34.66	71.03	-802.69	6,283.62	3,398.63	3,287.50	111.12	30.584		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 78-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,100.00	7,599.81	7,736.77	7,424.15	87.00	41.68	-65.24	-802.86	6,283.82	3,359.69	3,249.00	110.69	30.352		
9,150.00	7,612.72	7,744.74	7,432.12	86.88	41.70	-71.96	-803.00	6,284.00	3,321.48	3,211.28	110.20	30.141		
9,200.00	7,622.09	7,750.75	7,438.13	86.72	41.72	-77.90	-803.12	6,284.14	3,284.34	3,174.69	109.65	29.952		
9,250.00	7,627.87	7,754.71	7,442.09	86.55	41.73	-82.99	-803.20	6,284.23	3,248.62	3,139.57	109.05	29.789		
9,303.98	7,630.00	7,756.63	7,444.00	86.35	41.73	-87.54	-803.24	6,284.28	3,212.04	3,103.68	108.36	29.642		
9,400.00	7,630.00	7,757.82	7,445.20	85.99	41.74	-87.57	-803.27	6,284.31	3,149.87	3,042.80	107.07	29.420		
9,500.00	7,630.00	7,759.09	7,446.46	85.62	41.74	-87.60	-803.29	6,284.34	3,086.97	2,981.30	105.67	29.213		
9,600.00	7,630.00	7,760.39	7,447.76	85.28	41.74	-87.63	-803.32	6,284.37	3,026.06	2,921.83	104.23	29.033		
9,700.00	7,630.00	7,761.71	7,449.08	84.95	41.75	-87.66	-803.35	6,284.41	2,967.27	2,864.53	102.74	28.880		
9,800.00	7,630.00	7,763.06	7,450.43	84.64	41.75	-87.69	-803.38	6,284.44	2,910.73	2,809.51	101.22	28.756		
9,900.00	7,630.00	7,764.44	7,451.81	84.34	41.75	-87.73	-803.41	6,284.47	2,856.57	2,756.90	99.67	28.660		
10,000.00	7,630.00	7,765.85	7,453.22	84.06	41.76	-87.76	-803.45	6,284.51	2,804.94	2,706.83	98.10	28.592		
10,100.00	7,630.00	7,767.30	7,454.67	83.80	41.76	-87.79	-803.48	6,284.55	2,755.96	2,659.43	96.53	28.552		
10,200.00	7,630.00	7,768.77	7,456.14	83.56	41.77	-87.83	-803.51	6,284.59	2,709.79	2,614.83	94.96	28.536		
10,300.00	7,630.00	7,770.28	7,457.65	83.33	41.77	-87.86	-803.55	6,284.63	2,666.57	2,573.14	93.42	28.543		
10,400.00	7,630.00	7,771.83	7,459.19	83.12	41.77	-87.90	-803.59	6,284.67	2,626.44	2,534.50	91.94	28.565		
10,500.00	7,630.00	7,773.41	7,460.77	82.92	41.78	-87.94	-803.62	6,284.71	2,589.56	2,499.01	90.55	28.598		
10,600.00	7,630.00	7,775.02	7,462.39	82.75	41.78	-87.98	-803.66	6,284.75	2,556.05	2,466.78	89.28	28.630		
10,700.00	7,630.00	7,776.68	7,464.04	82.59	41.79	-88.01	-803.70	6,284.80	2,526.07	2,437.90	88.17	28.651		
10,800.00	7,630.00	7,778.38	7,465.74	82.45	41.79	-88.05	-803.75	6,284.84	2,499.72	2,412.47	87.26	28.648		
10,900.00	7,630.00	7,780.11	7,467.47	82.33	41.80	-88.10	-803.79	6,284.89	2,477.13	2,390.54	86.59	28.608		
11,000.00	7,630.00	7,781.90	7,469.25	82.22	41.80	-88.14	-803.84	6,284.94	2,458.41	2,372.20	86.21	28.517		
11,100.00	7,630.00	7,783.72	7,471.08	82.14	41.81	-88.18	-803.88	6,284.99	2,443.63	2,357.48	86.15	28.365		
11,200.00	7,630.00	7,785.59	7,472.95	82.08	41.81	-88.23	-803.93	6,285.05	2,432.87	2,346.44	86.44	28.147		
11,300.00	7,630.00	7,787.51	7,474.87	82.04	41.82	-88.27	-803.98	6,285.10	2,426.19	2,339.12	87.08	27.863		
11,400.00	7,630.00	7,789.48	7,476.83	82.02	41.82	-88.32	-804.04	6,285.16	2,423.62	2,335.55	88.07	27.519		
11,412.37	7,630.00	7,789.73	7,477.08	82.02	41.82	-88.32	-804.04	6,285.17	2,423.59	2,335.37	88.22	27.472 CC, ES		
11,500.00	7,630.00	7,791.50	7,478.85	82.03	41.83	-88.37	-804.09	6,285.22	2,425.17	2,335.78	89.40	27.128		
11,600.00	7,630.00	7,793.58	7,480.93	82.06	41.83	-88.41	-804.15	6,285.28	2,430.84	2,339.82	91.02	26.706		
11,700.00	7,630.00	7,799.00	7,486.34	82.12	41.85	-88.54	-804.30	6,285.44	2,440.59	2,347.71	92.88	26.277		
11,800.00	7,630.00	7,799.00	7,486.34	82.21	41.85	-88.54	-804.30	6,285.44	2,454.38	2,359.39	94.99	25.839		
11,900.00	7,630.00	7,800.20	7,487.54	82.33	41.85	-88.57	-804.33	6,285.48	2,472.13	2,374.89	97.25	25.421		
12,000.00	7,630.00	7,802.58	7,489.92	82.48	41.86	-88.63	-804.40	6,285.55	2,493.77	2,394.17	99.61	25.036		
12,100.00	7,630.00	7,805.00	7,492.34	82.66	41.86	-88.68	-804.47	6,285.63	2,519.20	2,417.16	102.04	24.689		
12,200.00	7,630.00	7,807.46	7,494.79	82.88	41.87	-88.74	-804.55	6,285.70	2,548.29	2,443.80	104.49	24.387		
12,300.00	7,630.00	7,809.96	7,497.29	83.14	41.88	-88.80	-804.62	6,285.78	2,580.93	2,473.99	106.94	24.133		
12,400.00	7,630.00	7,812.51	7,499.84	83.44	41.89	-88.86	-804.70	6,285.86	2,616.98	2,507.62	109.36	23.930		
12,500.00	7,630.00	7,815.10	7,502.43	83.79	41.89	-88.92	-804.78	6,285.95	2,656.31	2,544.59	111.72	23.776		
12,600.00	7,630.00	7,817.74	7,505.06	84.18	41.90	-88.98	-804.86	6,286.03	2,698.77	2,584.76	114.01	23.672		
12,700.00	7,630.00	7,820.42	7,507.75	84.61	41.91	-89.05	-804.94	6,286.12	2,744.22	2,628.01	116.21	23.615		
12,800.00	7,630.00	7,823.16	7,510.48	85.10	41.92	-89.11	-805.02	6,286.21	2,792.50	2,674.19	118.31	23.602 SF		
12,900.00	7,630.00	7,825.94	7,513.26	85.64	41.93	-89.18	-805.11	6,286.30	2,843.48	2,723.16	120.32	23.633		
13,000.00	7,630.00	7,828.77	7,516.09	86.22	41.93	-89.25	-805.20	6,286.40	2,897.01	2,774.80	122.22	23.703		
13,100.00	7,630.00	7,831.66	7,518.97	86.86	41.94	-89.31	-805.29	6,286.50	2,952.96	2,828.95	124.01	23.811		
13,200.00	7,630.00	7,834.60	7,521.91	87.56	41.95	-89.38	-805.39	6,286.60	3,011.19	2,885.48	125.71	23.954		
13,300.00	7,630.00	7,837.60	7,524.90	88.30	41.96	-89.45	-805.48	6,286.70	3,071.56	2,944.27	127.29	24.130		
13,400.00	7,630.00	7,840.65	7,527.95	89.10	41.97	-89.53	-805.58	6,286.81	3,133.96	3,005.18	128.78	24.335		
13,500.00	7,630.00	7,843.76	7,531.06	89.94	41.98	-89.60	-805.69	6,286.92	3,198.27	3,068.09	130.18	24.568		
13,600.00	7,630.00	7,846.94	7,534.23	90.84	41.99	-89.67	-805.79	6,287.03	3,264.37	3,132.89	131.48	24.827		
13,700.00	7,630.00	7,850.17	7,537.46	91.78	42.00	-89.75	-805.90	6,287.15	3,332.16	3,199.46	132.70	25.110		
13,800.00	7,630.00	7,853.47	7,540.76	92.77	42.01	-89.83	-806.02	6,287.27	3,401.53	3,267.70	133.84	25.415		
13,900.00	7,630.00	7,856.84	7,544.12	93.79	42.01	-89.91	-806.13	6,287.39	3,472.40	3,337.50	134.90	25.741		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 78-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,000.00	7,630.00	7,860.27	7,547.55	94.86	42.02	-89.99	-806.25	6,287.52	3,544.67	3,408.78	135.89	26.086		
14,100.00	7,630.00	7,863.78	7,551.05	95.97	42.03	-90.07	-806.37	6,287.65	3,618.25	3,481.44	136.81	26.448		
14,200.00	7,630.00	7,867.35	7,554.62	97.11	42.05	-90.16	-806.50	6,287.78	3,693.07	3,555.41	137.66	26.827		
14,300.00	7,630.00	7,871.01	7,558.27	98.28	42.06	-90.24	-806.63	6,287.92	3,769.06	3,630.60	138.46	27.221		
14,400.00	7,630.00	7,874.73	7,561.99	99.48	42.07	-90.33	-806.77	6,288.07	3,846.14	3,706.93	139.21	27.629		
14,500.00	7,630.00	7,878.54	7,565.80	100.72	42.08	-90.42	-806.91	6,288.22	3,924.25	3,784.35	139.90	28.050		
14,600.00	7,630.00	7,882.43	7,569.68	101.97	42.09	-90.51	-807.05	6,288.37	4,003.34	3,862.79	140.55	28.484		
14,700.00	7,630.00	7,886.41	7,573.65	103.26	42.10	-90.61	-807.20	6,288.53	4,083.33	3,942.18	141.15	28.929		
14,800.00	7,630.00	7,890.47	7,577.71	104.56	42.11	-90.70	-807.35	6,288.69	4,164.19	4,022.48	141.71	29.385		
14,900.00	7,630.00	7,895.28	7,582.51	105.89	42.13	-90.81	-807.54	6,288.89	4,245.86	4,103.62	142.24	29.850		
15,000.00	7,630.00	7,900.43	7,587.65	107.24	42.14	-90.94	-807.73	6,289.09	4,328.30	4,185.57	142.73	30.325		
15,100.00	7,630.00	7,905.48	7,592.69	108.60	42.16	-91.06	-807.92	6,289.28	4,411.45	4,268.27	143.19	30.809		
15,200.00	7,630.00	7,910.44	7,597.65	109.98	42.17	-91.17	-808.11	6,289.47	4,495.29	4,351.68	143.62	31.301		
15,300.00	7,630.00	7,915.32	7,602.52	111.38	42.18	-91.29	-808.28	6,289.65	4,579.78	4,435.76	144.02	31.800		
15,400.00	7,630.00	7,920.11	7,607.31	112.79	42.20	-91.40	-808.46	6,289.82	4,664.87	4,520.48	144.39	32.307		
15,500.00	7,630.00	7,924.83	7,612.01	114.22	42.21	-91.51	-808.63	6,289.98	4,750.54	4,605.80	144.75	32.820		
15,600.00	7,630.00	7,929.46	7,616.64	115.66	42.23	-91.62	-808.80	6,290.13	4,836.76	4,691.68	145.08	33.339		
15,700.00	7,630.00	7,934.01	7,621.18	117.11	42.24	-91.73	-808.96	6,290.28	4,923.50	4,778.11	145.39	33.865		
15,800.00	7,630.00	7,938.48	7,625.65	118.57	42.25	-91.83	-809.12	6,290.42	5,010.72	4,865.05	145.68	34.396		
15,900.00	7,630.00	7,942.88	7,630.05	120.05	42.26	-91.94	-809.27	6,290.56	5,098.42	4,952.47	145.95	34.932		
16,000.00	7,630.00	7,947.21	7,634.38	121.53	42.28	-92.04	-809.42	6,290.69	5,186.55	5,040.34	146.21	35.474		
16,100.00	7,630.00	7,951.47	7,638.63	123.03	42.29	-92.14	-809.57	6,290.81	5,275.11	5,128.66	146.45	36.020		
16,200.00	7,630.00	7,955.66	7,642.81	124.53	42.30	-92.24	-809.71	6,290.93	5,364.06	5,217.38	146.68	36.570		
16,300.00	7,630.00	7,959.78	7,646.93	126.04	42.31	-92.33	-809.85	6,291.04	5,453.40	5,306.51	146.89	37.125		
16,400.00	7,630.00	7,963.84	7,650.98	127.56	42.33	-92.43	-809.98	6,291.14	5,543.10	5,396.00	147.10	37.684		
16,500.00	7,630.00	7,967.83	7,654.97	129.09	42.34	-92.52	-810.12	6,291.25	5,633.14	5,485.85	147.29	38.246		
16,600.00	7,630.00	7,971.76	7,658.90	130.62	42.35	-92.61	-810.25	6,291.34	5,723.51	5,576.04	147.47	38.812		
16,700.00	7,630.00	7,975.63	7,662.76	132.16	42.36	-92.71	-810.37	6,291.44	5,814.19	5,666.55	147.64	39.381		
16,800.00	7,630.00	7,979.44	7,666.57	133.71	42.37	-92.79	-810.50	6,291.52	5,905.17	5,757.37	147.80	39.954		
16,900.00	7,630.00	7,983.19	7,670.32	135.27	42.38	-92.88	-810.62	6,291.61	5,996.44	5,848.49	147.95	40.529		
17,000.00	7,630.00	7,986.88	7,674.01	136.83	42.39	-92.97	-810.74	6,291.69	6,087.98	5,939.88	148.10	41.108		
17,100.00	7,630.00	7,990.52	7,677.64	138.39	42.40	-93.05	-810.85	6,291.76	6,179.78	6,031.54	148.24	41.689		
17,200.00	7,630.00	7,994.10	7,681.22	139.97	42.41	-93.14	-810.96	6,291.83	6,271.83	6,123.46	148.37	42.273		
17,300.00	7,630.00	7,997.63	7,684.75	141.54	42.42	-93.22	-811.08	6,291.90	6,364.12	6,215.63	148.49	42.859		
17,400.00	7,630.00	8,001.10	7,688.22	143.12	42.43	-93.30	-811.18	6,291.97	6,456.63	6,308.02	148.61	43.447		
17,500.00	7,630.00	7,986.00	7,673.13	144.71	42.39	-92.95	-810.71	6,291.67	6,549.39	6,400.69	148.70	44.043		
17,600.00	7,630.00	7,986.00	7,673.13	146.30	42.39	-92.95	-810.71	6,291.67	6,642.34	6,493.53	148.81	44.638		
17,700.00	7,630.00	7,999.67	7,686.79	147.90	42.43	-93.27	-811.13	6,291.94	6,735.47	6,586.56	148.91	45.231		
17,800.00	7,630.00	8,001.38	7,688.50	149.50	42.43	-93.31	-811.18	6,291.97	6,828.81	6,679.80	149.01	45.828		
17,900.00	7,630.00	8,003.06	7,690.17	151.10	42.43	-93.35	-811.22	6,292.00	6,922.34	6,773.24	149.10	46.428		
18,000.00	7,630.00	8,004.69	7,691.81	152.71	42.44	-93.39	-811.27	6,292.03	7,016.04	6,866.86	149.19	47.029		
18,100.00	7,630.00	8,006.29	7,693.41	154.32	42.44	-93.43	-811.32	6,292.06	7,109.92	6,960.65	149.27	47.632		
18,200.00	7,630.00	8,007.86	7,694.97	155.94	42.45	-93.46	-811.36	6,292.08	7,203.96	7,054.61	149.35	48.236		
18,300.00	7,630.00	8,009.39	7,696.51	157.56	42.45	-93.50	-811.40	6,292.11	7,298.16	7,148.73	149.42	48.843		
18,400.00	7,630.00	8,010.89	7,698.01	159.18	42.46	-93.53	-811.44	6,292.13	7,392.51	7,243.01	149.49	49.450		
18,500.00	7,630.00	8,012.36	7,699.47	160.80	42.46	-93.57	-811.48	6,292.15	7,487.00	7,337.44	149.56	50.059		
18,600.00	7,630.00	8,013.80	7,700.91	162.43	42.46	-93.60	-811.52	6,292.18	7,581.64	7,432.01	149.63	50.670		
18,700.00	7,630.00	8,015.21	7,702.32	164.06	42.47	-93.63	-811.56	6,292.20	7,676.41	7,526.72	149.69	51.281		
18,800.00	7,630.00	8,016.59	7,703.70	165.70	42.47	-93.67	-811.59	6,292.22	7,771.31	7,621.56	149.75	51.894		
18,900.00	7,630.00	8,017.94	7,705.05	167.33	42.47	-93.70	-811.63	6,292.24	7,866.34	7,716.53	149.81	52.508		
19,000.00	7,630.00	8,019.27	7,706.38	168.97	42.48	-93.73	-811.66	6,292.26	7,961.49	7,811.62	149.87	53.123		
19,021.79	7,630.00	8,019.55	7,706.66	169.33	42.48	-93.74	-811.67	6,292.26	7,982.24	7,832.36	149.88	53.257		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ CURY CRANDELL 32-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 109-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	1,144.94	1,122.48	0.00	5.07	83.30	614.07	5,227.11	5,398.90					
100.00	100.00	1,215.00	1,189.69	0.13	5.49	83.44	599.56	5,213.64	5,376.99	5,371.71	5.28	1,018.202		
200.00	200.00	1,294.81	1,266.27	0.49	5.96	83.60	582.80	5,198.64	5,355.53	5,349.68	5.85	915.480		
300.00	300.00	1,374.62	1,346.84	0.85	6.43	83.76	566.04	5,184.16	5,334.26	5,332.88	1.37	3,879.785		
400.00	400.00	1,454.43	1,427.05	1.21	6.90	83.92	549.15	5,171.24	5,308.73	5,300.06	8.67	612.385		
500.00	500.00	1,534.24	1,507.86	1.57	7.37	84.08	532.26	5,157.72	5,283.62	5,274.37	9.25	570.966		
600.00	600.00	1,614.05	1,588.67	1.93	7.84	84.24	515.37	5,144.80	5,258.93	5,248.83	10.10	520.788		
700.00	700.00	1,693.86	1,669.28	2.29	8.31	84.40	498.48	5,131.88	5,234.68	5,223.98	10.70	489.289		
800.00	799.98	1,773.67	1,749.09	2.64	8.78	84.56	481.59	5,118.96	5,209.66	5,198.33	11.33	459.678		
900.00	899.84	1,853.48	1,829.90	2.99	9.25	84.72	464.70	5,106.04	5,184.25	5,170.26	11.99	432.123		
1,000.00	999.45	1,933.29	1,910.11	3.35	9.72	84.88	447.81	5,093.12	5,151.07	5,137.88	13.19	390.568		
1,100.00	1,098.70	2,013.10	1,990.52	3.73	10.19	85.04	430.92	5,079.21	5,116.57	5,102.54	14.03	364.642		
1,200.00	1,197.47	2,092.91	2,070.33	4.11	10.66	85.20	414.03	5,065.30	5,093.32	5,064.44	14.77	343.960		
1,300.00	1,295.62	2,172.72	2,150.14	4.53	11.13	85.36	397.14	5,051.41	5,039.32	5,023.78	15.54	324.379		
1,400.00	1,393.06	2,252.53	2,230.95	4.97	11.60	85.52	380.25	5,037.50	5,025.43	4,980.42	16.28	307.000		
1,500.00	1,489.64	2,332.34	2,311.16	5.44	12.07	85.68	363.36	5,023.59	5,011.51	4,934.94	16.93	292.556		
1,600.00	1,585.27	2,412.15	2,391.97	5.95	12.54	85.84	346.47	5,009.68	4,997.42	4,887.01	17.75	276.293		
1,700.00	1,679.82	2,491.96	2,472.58	6.51	13.01	86.00	329.58	5,000.00	4,985.20	4,836.77	18.43	263.507		
1,800.00	1,773.17	2,571.77	2,553.39	7.13	13.48	86.16	312.69	4,990.32	4,972.84	4,784.71	19.13	251.069		
1,900.00	1,865.21	2,651.58	2,634.20	7.79	13.95	86.32	295.80	4,980.41	4,964.96	4,728.39	20.55	231.069		
2,000.00	1,955.84	2,731.39	2,715.01	8.51	14.42	86.48	278.91	4,970.50	4,959.07	4,669.89	21.18	221.510		
2,100.00	2,044.94	2,811.20	2,796.82	9.30	14.89	86.64	262.02	4,960.59	4,949.16	4,609.89	21.83	212.204		
2,200.00	2,132.39	2,891.01	2,877.43	10.15	15.36	86.80	245.13	4,950.68	4,939.23	4,547.42	22.84	200.119		
2,300.00	2,218.11	2,970.82	2,958.04	11.07	15.83	86.96	228.24	4,940.77	4,928.32	4,482.98	23.69	190.230		
2,400.00	2,301.97	3,050.63	3,038.85	12.06	16.30	87.12	211.35	4,930.86	4,917.41	4,416.80	24.54	180.948		
2,500.00	2,383.88	3,130.44	3,119.06	13.11	16.77	87.28	194.46	4,920.95	4,907.50	4,349.02	25.44	171.922		
2,512.74	2,394.17	3,172.25	3,161.87	13.25	16.82	40.42	187.87	4,751.01	4,365.84	4,340.30	25.54	170.917		
2,600.00	2,464.54	3,252.06	3,242.68	14.22	17.29	40.95	171.44	4,739.54	4,351.93	4,280.44	26.38	163.267		
2,700.00	2,545.18	3,331.87	3,322.50	15.35	17.76	41.51	155.01	4,727.91	4,338.02	4,212.24	27.34	155.073		
2,800.00	2,625.82	3,411.68	3,402.31	16.50	18.23	41.98	138.58	4,716.32	4,324.11	4,144.66	28.30	147.473		
2,900.00	2,706.45	3,491.49	3,482.12	17.65	18.70	42.43	122.15	4,704.73	4,310.20	4,077.74	29.28	140.284		
3,000.00	2,787.09	3,571.30	3,562.92	18.82	19.17	42.84	105.29	4,701.81	4,300.00	4,011.61	30.27	133.532		
3,100.00	2,867.73	3,651.11	3,643.73	19.99	19.64	43.29	88.46	4,693.62	4,289.79	3,946.29	31.31	127.026		
3,200.00	2,948.37	3,730.92	3,723.54	21.17	20.11	43.58	71.57	4,688.77	4,279.68	3,881.96	32.32	121.126		
3,300.00	3,029.01	3,810.73	3,803.35	22.36	20.58	43.89	54.68	4,683.60	4,269.57	3,818.68	33.36	115.456		
3,400.00	3,109.65	3,890.54	3,883.16	23.55	21.05	44.34	37.79	4,676.80	4,259.46	3,756.48	34.50	109.895		
3,500.00	3,190.29	3,970.35	3,962.97	24.74	21.52	45.21	20.90	4,663.95	4,249.35	3,694.87	35.83	104.117		
3,600.00	3,270.93	4,050.16	4,042.78	25.94	22.00	47.09	7.91	4,634.25	4,239.24	3,631.95	37.58	97.640		
3,700.00	3,351.57	4,129.97	4,122.59	27.14	22.47	47.89	-9.02	4,621.23	4,229.13	3,569.59	38.94	92.664		
3,800.00	3,432.21	4,209.78	4,202.40	28.35	22.94	48.53	-26.13	4,611.17	4,219.02	3,508.05	40.27	88.113		
3,900.00	3,512.85	4,289.59	4,282.21	29.56	23.41	49.42	-43.24	4,597.39	4,208.91	3,447.20	41.72	83.633		
4,000.00	3,593.49	4,369.40	4,362.02	30.76	23.88	50.46	-60.35	4,581.31	4,198.80	3,386.62	43.25	79.309		
4,100.00	3,674.13	4,449.21	4,441.83	31.97	24.35	51.34	-77.46	4,567.86	4,188.69	3,326.69	44.77	75.306		
4,200.00	3,754.77	4,529.02	4,521.64	33.19	24.82	52.69	-94.57	4,547.44	4,178.58	3,267.04	46.50	71.263		
4,300.00	3,835.41	4,608.83	4,601.45	34.40	25.29	53.70	-111.68	4,532.15	4,168.47	3,207.98	48.15	67.624		
4,400.00	3,916.05	4,688.64	4,681.26	35.62	25.76	54.82	-128.79	4,515.14	4,158.36	3,149.58	49.89	64.130		
4,500.00	3,996.69	4,768.45	4,761.07	36.83	26.23	55.98	-145.90	4,497.73	4,148.25	3,091.84	51.68	60.821		
4,600.00	4,077.33	4,848.26	4,840.88	38.05	26.70	57.16	-163.01	4,480.09	4,138.14	3,034.88	53.53	57.699		
4,700.00	4,157.96	4,928.07	4,920.69	39.27	27.17	58.42	-180.12	4,461.13	4,128.03	2,978.67	55.43	54.742		
4,800.00	4,238.60	4,997.88	4,990.50	40.49	27.64	58.99	-197.23	4,442.26	4,117.92	2,928.61	57.15	52.164		
4,900.00	4,319.24	5,077.69	5,070.31	41.71	28.11	59.62	-214.34	4,423.39	4,107.81	2,878.55	58.93	49.718		
5,000.00	4,399.88	5,157.50	5,150.12	42.93	28.58	60.28	-231.45	4,404.52	4,097.70	2,828.49	60.75	47.406		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													SEC 23-T1N-R68W - EXIST HZ CURY CRANDELL 32-23 - OWB - FINAL SURVEY		Offset Site Error: 0.00 usft	
Survey Program: 109-MWD OWSG													Offset Well Error: 0.00 usft			
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor				
5,100.00	4,480.52	4,931.88	4,751.10	44.15	28.25	60.98	-108.96	4,425.56	2,832.36	2,769.73	62.63	45.227				
5,200.00	4,561.16	4,989.28	4,805.85	45.37	28.62	61.95	-120.96	4,413.20	2,786.42	2,721.80	64.62	43.118				
5,300.00	4,641.80	5,065.57	4,878.66	46.59	29.10	63.26	-136.48	4,396.50	2,741.72	2,674.95	66.76	41.066				
5,400.00	4,722.44	5,116.06	4,926.92	47.82	29.41	64.14	-146.49	4,385.55	2,698.65	2,629.87	68.78	39.236				
5,500.00	4,803.08	5,167.90	4,976.60	49.04	29.73	65.05	-156.48	4,374.65	2,657.48	2,586.66	70.82	37.524				
5,600.00	4,883.72	5,222.47	5,029.19	50.27	30.05	65.99	-166.21	4,363.76	2,618.23	2,545.35	72.88	35.924				
5,700.00	4,964.36	5,271.27	5,076.49	51.49	30.32	66.83	-174.08	4,354.69	2,580.97	2,506.07	74.90	34.458				
5,800.00	5,045.00	5,318.97	5,123.00	52.71	30.58	67.64	-180.92	4,346.70	2,545.89	2,468.99	76.90	33.105				
5,900.00	5,125.64	5,367.51	5,170.61	53.94	30.81	68.45	-187.09	4,339.47	2,513.02	2,434.13	78.89	31.856				
6,000.00	5,206.28	5,417.49	5,219.81	55.17	31.04	69.28	-192.83	4,332.90	2,482.38	2,401.52	80.86	30.699				
6,100.00	5,286.92	5,465.50	5,267.25	56.39	31.25	70.06	-197.82	4,327.43	2,454.03	2,371.24	82.79	29.640				
6,200.00	5,367.56	5,521.00	5,322.25	57.62	31.47	70.96	-203.10	4,322.18	2,428.06	2,343.33	84.74	28.654				
6,300.00	5,448.20	5,577.64	5,378.51	58.84	31.68	71.86	-207.91	4,317.77	2,404.27	2,317.63	86.64	27.751				
6,400.00	5,528.84	5,645.71	5,446.26	60.07	31.92	72.93	-212.80	4,313.47	2,382.39	2,293.84	88.55	26.905				
6,500.00	5,609.47	5,718.02	5,518.40	61.30	32.15	74.04	-216.61	4,310.34	2,362.29	2,271.87	90.42	26.125				
6,600.00	5,690.11	5,795.37	5,595.69	62.53	32.36	75.19	-219.14	4,308.51	2,343.80	2,251.55	92.25	25.408				
6,700.00	5,770.75	5,873.72	5,674.03	63.75	32.54	76.33	-220.33	4,308.04	2,326.81	2,232.80	94.01	24.750				
6,800.00	5,851.39	5,954.20	5,754.51	64.98	32.71	77.49	-220.74	4,308.42	2,311.26	2,215.52	95.74	24.142				
6,900.00	5,932.03	6,036.11	5,836.42	66.21	32.89	78.69	-221.21	4,308.71	2,297.10	2,199.66	97.44	23.574				
7,000.00	6,012.67	6,116.29	5,916.60	67.44	33.07	79.87	-221.77	4,308.83	2,284.35	2,185.22	99.13	23.045				
7,100.00	6,093.31	6,194.04	5,994.34	68.66	33.24	81.02	-222.40	4,308.97	2,273.16	2,172.38	100.78	22.556				
7,200.00	6,173.95	6,274.25	6,074.55	69.89	33.42	82.22	-223.07	4,309.16	2,263.51	2,161.11	102.40	22.105				
7,300.00	6,254.59	6,357.53	6,157.83	71.12	33.61	83.46	-223.62	4,309.47	2,255.34	2,151.36	103.99	21.689				
7,400.00	6,335.23	6,441.73	6,242.02	72.35	33.79	84.72	-224.00	4,309.84	2,248.58	2,143.05	105.53	21.308				
7,500.00	6,415.87	6,526.32	6,326.61	73.58	33.98	86.00	-224.32	4,310.07	2,243.22	2,136.19	107.04	20.957				
7,600.00	6,496.51	6,607.69	6,407.98	74.81	34.17	87.23	-224.58	4,310.15	2,239.31	2,130.82	108.49	20.640				
7,700.00	6,577.15	6,690.24	6,490.53	76.04	34.36	88.48	-224.79	4,310.32	2,236.95	2,127.05	109.90	20.354				
7,800.00	6,657.79	6,769.32	6,569.61	77.27	34.53	89.67	-224.90	4,310.46	2,236.06	2,124.81	111.25	20.099				
7,801.13	6,658.70	6,770.13	6,570.42	77.28	34.54	89.68	-224.91	4,310.46	2,236.06	2,124.80	111.26	20.097				
7,900.00	6,738.43	6,842.40	6,642.69	78.50	34.70	90.78	-225.16	4,310.77	2,236.97	2,124.44	112.53	19.879				
8,000.00	6,819.07	6,921.14	6,721.42	79.73	34.88	91.96	-225.53	4,311.27	2,239.60	2,125.83	113.77	19.685				
8,100.00	6,899.71	7,001.11	6,801.39	80.96	35.05	93.16	-225.87	4,312.00	2,243.81	2,128.86	114.95	19.519				
8,200.00	6,980.35	7,085.86	6,886.14	82.18	35.24	94.42	-226.12	4,312.91	2,249.51	2,133.42	116.09	19.377				
8,240.58	7,013.07	7,120.67	6,920.95	82.68	35.32	94.94	-226.20	4,313.21	2,252.21	2,135.67	116.54	19.325				
8,250.00	7,020.68	7,127.63	6,927.91	82.80	35.33	93.87	-226.22	4,313.27	2,252.80	2,136.15	116.64	19.314				
8,300.00	7,061.63	7,168.23	6,968.50	83.40	35.42	87.74	-226.32	4,313.61	2,253.68	2,136.51	117.17	19.234				
8,350.00	7,103.23	7,209.48	7,009.75	83.97	35.52	80.90	-226.43	4,313.95	2,250.76	2,133.08	117.67	19.127				
8,400.00	7,145.18	7,251.06	7,051.33	84.51	35.61	73.58	-226.55	4,314.29	2,244.02	2,125.87	118.15	18.992				
8,450.00	7,187.16	7,292.68	7,092.95	85.01	35.71	66.10	-226.69	4,314.63	2,233.48	2,114.88	118.60	18.831				
8,500.00	7,228.84	7,333.71	7,133.97	85.46	35.80	58.80	-226.85	4,314.95	2,219.16	2,100.14	119.02	18.645				
8,550.00	7,269.91	7,374.09	7,174.36	85.86	35.90	51.91	-227.02	4,315.26	2,201.14	2,081.73	119.40	18.434				
8,600.00	7,310.05	7,414.50	7,214.76	86.20	35.99	45.61	-227.21	4,315.55	2,179.49	2,059.73	119.75	18.200				
8,650.00	7,348.97	7,454.38	7,254.65	86.50	36.09	39.90	-227.40	4,315.79	2,154.31	2,034.24	120.07	17.942				
8,700.00	7,386.36	7,492.67	7,292.94	86.74	36.18	34.75	-227.58	4,315.99	2,125.75	2,005.40	120.35	17.663				
8,750.00	7,421.94	7,529.09	7,329.35	86.93	36.27	30.02	-227.75	4,316.14	2,093.98	1,973.39	120.59	17.365				
8,800.00	7,455.44	7,563.36	7,363.62	87.07	36.35	25.58	-227.91	4,316.25	2,059.20	1,938.41	120.79	17.047				
8,850.00	7,486.61	7,595.23	7,395.49	87.16	36.43	21.24	-228.06	4,316.33	2,021.65	1,900.68	120.97	16.713				
8,900.00	7,515.20	7,621.66	7,421.92	87.20	36.50	16.71	-228.20	4,316.43	1,981.61	1,860.51	121.10	16.363				
8,950.00	7,541.00	7,646.53	7,446.79	87.21	36.56	11.72	-228.33	4,316.55	1,939.34	1,818.13	121.21	16.000				
9,000.00	7,563.81	7,668.61	7,468.87	87.17	36.61	5.78	-228.46	4,316.67	1,895.14	1,773.86	121.29	15.625				
9,050.00	7,583.47	7,689.20	7,489.46	87.10	36.66	-1.86	-228.58	4,316.80	1,849.33	1,727.99	121.34	15.240				
9,100.00	7,599.81	7,706.70	7,506.96	87.00	36.70	-12.46	-228.68	4,316.92	1,802.24	1,680.87	121.38	14.848				

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ CURY CRANDELL 32-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 109-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,150.00	7,612.72	7,720.54	7,520.80	86.88	36.74	-27.60	-228.74	4,317.02	1,754.25	1,632.86	121.39	14.451		
9,200.00	7,622.09	7,730.63	7,530.89	86.72	36.76	-47.86	-228.78	4,317.10	1,705.73	1,584.35	121.38	14.052		
9,250.00	7,627.87	7,736.91	7,537.16	86.55	36.78	-69.73	-228.81	4,317.14	1,657.10	1,535.75	121.36	13.655		
9,303.98	7,630.00	7,739.37	7,539.62	86.35	36.78	-88.81	-228.82	4,317.16	1,604.96	1,483.66	121.30	13.231		
9,400.00	7,630.00	7,739.75	7,540.01	85.99	36.78	-88.86	-228.82	4,317.17	1,513.08	1,391.91	121.17	12.487		
9,500.00	7,630.00	7,740.15	7,540.40	85.62	36.78	-88.91	-228.82	4,317.17	1,417.97	1,296.99	120.98	11.721		
9,600.00	7,630.00	7,740.54	7,540.80	85.28	36.79	-88.96	-228.82	4,317.17	1,323.59	1,202.87	120.73	10.964		
9,700.00	7,630.00	7,740.93	7,541.19	84.95	36.79	-89.01	-228.82	4,317.17	1,230.10	1,109.72	120.38	10.218		
9,800.00	7,630.00	7,741.32	7,541.58	84.64	36.79	-89.06	-228.83	4,317.18	1,137.71	1,017.80	119.91	9.488		
9,900.00	7,630.00	7,741.71	7,541.96	84.34	36.79	-89.11	-228.83	4,317.18	1,046.73	927.46	119.27	8.776		
10,000.00	7,630.00	7,742.09	7,542.34	84.06	36.79	-89.16	-228.83	4,317.18	957.54	839.17	118.37	8.089		
10,100.00	7,630.00	7,742.47	7,542.73	83.80	36.79	-89.21	-228.83	4,317.19	870.71	753.60	117.11	7.435		
10,200.00	7,630.00	7,742.85	7,543.10	83.56	36.79	-89.25	-228.83	4,317.19	787.00	671.70	115.31	6.825		
10,300.00	7,630.00	7,743.22	7,543.48	83.33	36.79	-89.30	-228.83	4,317.19	707.55	594.83	112.72	6.277		
10,400.00	7,630.00	7,743.60	7,543.85	83.12	36.79	-89.35	-228.83	4,317.20	633.93	524.94	108.99	5.816		
10,500.00	7,630.00	7,743.97	7,544.22	82.92	36.79	-89.40	-228.84	4,317.20	568.43	464.74	103.68	5.482		
10,600.00	7,630.00	7,744.34	7,544.59	82.75	36.79	-89.44	-228.84	4,317.20	514.15	417.67	96.49	5.329 SF		
10,700.00	7,630.00	7,744.70	7,544.96	82.59	36.80	-89.49	-228.84	4,317.20	474.97	387.17	87.80	5.410		
10,800.00	7,630.00	7,745.06	7,545.32	82.45	36.80	-89.53	-228.84	4,317.21	454.80	375.01	79.78	5.700 ES		
10,843.78	7,630.00	7,745.22	7,545.48	82.39	36.80	-89.55	-228.84	4,317.21	452.69	375.23	77.46	5.844 CC		
10,900.00	7,630.00	7,745.43	7,545.68	82.33	36.80	-89.58	-228.84	4,317.21	456.16	380.05	76.11	5.993		
11,000.00	7,630.00	7,745.78	7,546.04	82.22	36.80	-89.63	-228.84	4,317.21	478.88	400.73	78.15	6.128		
11,100.00	7,630.00	7,746.14	7,546.40	82.14	36.80	-89.67	-228.84	4,317.21	520.17	436.75	83.42	6.236		
11,200.00	7,630.00	7,746.49	7,546.75	82.08	36.80	-89.72	-228.85	4,317.22	576.03	486.79	89.24	6.455		
11,300.00	7,630.00	7,746.85	7,547.10	82.04	36.80	-89.76	-228.85	4,317.22	642.70	548.28	94.41	6.807		
11,400.00	7,630.00	7,747.20	7,547.45	82.02	36.80	-89.80	-228.85	4,317.22	717.15	618.51	98.64	7.270		
11,500.00	7,630.00	7,747.54	7,547.80	82.03	36.80	-89.85	-228.85	4,317.23	797.21	695.21	102.00	7.816		
11,600.00	7,630.00	7,747.89	7,548.14	82.06	36.80	-89.89	-228.85	4,317.23	881.35	776.70	104.65	8.422		
11,700.00	7,630.00	7,748.23	7,548.49	82.12	36.80	-89.94	-228.85	4,317.23	968.52	861.76	106.76	9.072		
11,800.00	7,630.00	7,748.57	7,548.83	82.21	36.81	-89.98	-228.85	4,317.23	1,057.95	949.50	108.45	9.755		
11,900.00	7,630.00	7,748.91	7,549.17	82.33	36.81	-90.02	-228.85	4,317.24	1,149.13	1,039.31	109.82	10.463		
12,000.00	7,630.00	7,749.25	7,549.50	82.48	36.81	-90.06	-228.86	4,317.24	1,241.67	1,130.72	110.95	11.191		
12,100.00	7,630.00	7,749.58	7,549.84	82.66	36.81	-90.11	-228.86	4,317.24	1,335.29	1,223.40	111.89	11.934		
12,200.00	7,630.00	7,749.91	7,550.17	82.88	36.81	-90.15	-228.86	4,317.24	1,429.76	1,317.09	112.68	12.689		
12,300.00	7,630.00	7,750.24	7,550.50	83.14	36.81	-90.19	-228.86	4,317.25	1,524.95	1,411.60	113.35	13.454		
12,400.00	7,630.00	7,750.57	7,550.83	83.44	36.81	-90.23	-228.86	4,317.25	1,620.71	1,506.79	113.92	14.226		
12,500.00	7,630.00	7,750.90	7,551.15	83.79	36.81	-90.27	-228.86	4,317.25	1,716.96	1,602.54	114.42	15.006		
12,600.00	7,630.00	7,751.22	7,551.48	84.18	36.81	-90.31	-228.86	4,317.25	1,813.61	1,698.76	114.85	15.791		
12,700.00	7,630.00	7,751.54	7,551.80	84.61	36.81	-90.35	-228.86	4,317.26	1,910.61	1,795.37	115.24	16.580		
12,800.00	7,630.00	7,751.86	7,552.12	85.10	36.81	-90.39	-228.86	4,317.26	2,007.90	1,892.33	115.57	17.373		
12,900.00	7,630.00	7,752.18	7,552.44	85.64	36.81	-90.44	-228.87	4,317.26	2,105.45	1,989.57	115.87	18.170		
13,000.00	7,630.00	7,752.50	7,552.75	86.22	36.81	-90.48	-228.87	4,317.26	2,203.21	2,087.07	116.14	18.970		
13,100.00	7,630.00	7,752.81	7,553.07	86.86	36.82	-90.51	-228.87	4,317.27	2,301.17	2,184.78	116.39	19.772		
13,200.00	7,630.00	7,753.12	7,553.38	87.56	36.82	-90.55	-228.87	4,317.27	2,399.30	2,282.69	116.61	20.576		
13,300.00	7,630.00	7,753.44	7,553.69	88.30	36.82	-90.59	-228.87	4,317.27	2,497.57	2,380.76	116.81	21.382		
13,400.00	7,630.00	7,753.74	7,554.00	89.10	36.82	-90.63	-228.87	4,317.27	2,595.98	2,478.99	116.99	22.190		
13,500.00	7,630.00	7,754.05	7,554.31	89.94	36.82	-90.67	-228.87	4,317.28	2,694.50	2,577.34	117.16	22.999		
13,600.00	7,630.00	7,754.36	7,554.61	90.84	36.82	-90.71	-228.87	4,317.28	2,793.13	2,675.82	117.31	23.809		
13,700.00	7,630.00	7,754.66	7,554.91	91.78	36.82	-90.75	-228.87	4,317.28	2,891.85	2,774.40	117.46	24.621		
13,800.00	7,630.00	7,754.96	7,555.22	92.77	36.82	-90.79	-228.88	4,317.28	2,990.66	2,873.07	117.59	25.433		
13,900.00	7,630.00	7,755.26	7,555.51	93.79	36.82	-90.82	-228.88	4,317.29	3,089.54	2,971.83	117.71	26.246		
14,000.00	7,630.00	7,755.56	7,555.81	94.86	36.82	-90.86	-228.88	4,317.29	3,188.50	3,070.67	117.83	27.060		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ CURY CRANDELL 32-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 109-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,100.00	7,630.00	7,755.85	7,556.11	95.97	36.82	-90.90	-228.88	4,317.29	3,287.51	3,169.58	117.94	27.875		
14,200.00	7,630.00	7,756.15	7,556.40	97.11	36.82	-90.94	-228.88	4,317.29	3,386.59	3,268.55	118.04	28.690		
14,300.00	7,630.00	7,756.44	7,556.69	98.28	36.82	-90.97	-228.88	4,317.30	3,485.72	3,367.58	118.14	29.506		
14,400.00	7,630.00	7,756.73	7,556.99	99.48	36.82	-91.01	-228.88	4,317.30	3,584.89	3,466.66	118.23	30.322		
14,500.00	7,630.00	7,757.02	7,557.27	100.72	36.83	-91.05	-228.88	4,317.30	3,684.11	3,565.80	118.32	31.138		
14,600.00	7,630.00	7,757.31	7,557.56	101.97	36.83	-91.08	-228.88	4,317.30	3,783.38	3,664.98	118.40	31.955		
14,700.00	7,630.00	7,757.59	7,557.85	103.26	36.83	-91.12	-228.88	4,317.31	3,882.67	3,764.20	118.48	32.772		
14,800.00	7,630.00	7,757.88	7,558.13	104.56	36.83	-91.16	-228.88	4,317.31	3,982.01	3,863.46	118.55	33.589		
14,900.00	7,630.00	7,758.16	7,558.41	105.89	36.83	-91.19	-228.89	4,317.31	4,081.38	3,962.75	118.62	34.406		
15,000.00	7,630.00	7,758.44	7,558.69	107.24	36.83	-91.23	-228.89	4,317.31	4,180.77	4,062.08	118.69	35.224		
15,100.00	7,630.00	7,758.72	7,558.97	108.60	36.83	-91.26	-228.89	4,317.31	4,280.20	4,161.44	118.76	36.042		
15,200.00	7,630.00	7,759.00	7,559.25	109.98	36.83	-91.30	-228.89	4,317.32	4,379.65	4,260.83	118.82	36.859		
15,300.00	7,630.00	7,759.27	7,559.53	111.38	36.83	-91.33	-228.89	4,317.32	4,479.13	4,360.24	118.88	37.677		
15,400.00	7,630.00	7,759.55	7,559.80	112.79	36.83	-91.37	-228.89	4,317.32	4,578.62	4,459.68	118.94	38.495		
15,500.00	7,630.00	7,759.82	7,560.07	114.22	36.83	-91.40	-228.89	4,317.32	4,678.14	4,559.15	119.00	39.312		
15,600.00	7,630.00	7,760.09	7,560.35	115.66	36.83	-91.44	-228.89	4,317.33	4,777.68	4,658.63	119.05	40.130		
15,700.00	7,630.00	7,760.36	7,560.62	117.11	36.83	-91.47	-228.89	4,317.33	4,877.24	4,758.13	119.11	40.948		
15,800.00	7,630.00	7,760.63	7,560.88	118.57	36.83	-91.50	-228.89	4,317.33	4,976.82	4,857.66	119.16	41.765		
15,900.00	7,630.00	7,760.89	7,561.15	120.05	36.83	-91.54	-228.89	4,317.33	5,076.41	4,957.20	119.21	42.583		
16,000.00	7,630.00	7,761.16	7,561.42	121.53	36.84	-91.57	-228.90	4,317.33	5,176.02	5,056.76	119.26	43.400		
16,100.00	7,630.00	7,761.42	7,561.68	123.03	36.84	-91.60	-228.90	4,317.34	5,275.65	5,156.33	119.31	44.217		
16,200.00	7,630.00	7,761.69	7,561.94	124.53	36.84	-91.64	-228.90	4,317.34	5,375.28	5,255.92	119.36	45.034		
16,300.00	7,630.00	7,761.95	7,562.20	126.04	36.84	-91.67	-228.90	4,317.34	5,474.93	5,355.53	119.41	45.851		
16,400.00	7,630.00	7,762.21	7,562.46	127.56	36.84	-91.70	-228.90	4,317.34	5,574.60	5,455.14	119.45	46.668		
16,500.00	7,630.00	7,762.46	7,562.72	129.09	36.84	-91.74	-228.90	4,317.34	5,674.27	5,554.77	119.50	47.484		
16,600.00	7,630.00	7,762.72	7,562.98	130.62	36.84	-91.77	-228.90	4,317.35	5,773.96	5,654.42	119.54	48.301		
16,700.00	7,630.00	7,762.98	7,563.23	132.16	36.84	-91.80	-228.90	4,317.35	5,873.66	5,754.07	119.59	49.117		
16,800.00	7,630.00	7,763.23	7,563.49	133.71	36.84	-91.83	-228.90	4,317.35	5,973.36	5,853.73	119.63	49.933		
16,900.00	7,630.00	7,763.48	7,563.74	135.27	36.84	-91.86	-228.90	4,317.35	6,073.08	5,953.41	119.67	50.748		
17,000.00	7,630.00	7,763.73	7,563.99	136.83	36.84	-91.90	-228.90	4,317.35	6,172.81	6,053.09	119.71	51.564		
17,100.00	7,630.00	7,763.98	7,564.24	138.39	36.84	-91.93	-228.90	4,317.36	6,272.54	6,152.79	119.75	52.379		
17,200.00	7,630.00	7,764.23	7,564.49	139.97	36.84	-91.96	-228.90	4,317.36	6,372.28	6,252.49	119.79	53.194		
17,300.00	7,630.00	7,764.48	7,564.73	141.54	36.84	-91.99	-228.91	4,317.36	6,472.03	6,352.20	119.83	54.008		
17,400.00	7,630.00	7,764.72	7,564.98	143.12	36.84	-92.02	-228.91	4,317.36	6,571.79	6,451.92	119.87	54.822		
17,500.00	7,630.00	7,764.97	7,565.22	144.71	36.84	-92.05	-228.91	4,317.37	6,671.56	6,551.64	119.91	55.636		
17,600.00	7,630.00	7,765.21	7,565.47	146.30	36.85	-92.08	-228.91	4,317.37	6,771.33	6,651.38	119.95	56.450		
17,700.00	7,630.00	7,765.45	7,565.71	147.90	36.85	-92.11	-228.91	4,317.37	6,871.11	6,751.12	119.99	57.263		
17,800.00	7,630.00	7,767.00	7,567.26	149.50	36.85	-92.31	-228.91	4,317.38	6,970.89	6,850.86	120.03	58.075		
17,900.00	7,630.00	7,767.00	7,567.26	151.10	36.85	-92.31	-228.91	4,317.38	7,070.69	6,950.62	120.07	58.888		
18,000.00	7,630.00	7,767.00	7,567.26	152.71	36.85	-92.31	-228.91	4,317.38	7,170.48	7,050.37	120.11	59.700		
18,100.00	7,630.00	7,767.00	7,567.26	154.32	36.85	-92.31	-228.91	4,317.38	7,270.29	7,150.14	120.15	60.512		
18,200.00	7,630.00	7,767.00	7,567.26	155.94	36.85	-92.31	-228.91	4,317.38	7,370.09	7,249.91	120.18	61.323		
18,300.00	7,630.00	7,767.00	7,567.26	157.56	36.85	-92.31	-228.91	4,317.38	7,469.91	7,349.69	120.22	62.134		
18,400.00	7,630.00	7,767.13	7,567.38	159.18	36.85	-92.32	-228.91	4,317.38	7,569.73	7,449.47	120.26	62.945		
18,500.00	7,630.00	7,767.40	7,567.65	160.80	36.85	-92.36	-228.91	4,317.38	7,669.55	7,549.25	120.30	63.755		
18,600.00	7,630.00	7,767.67	7,567.93	162.43	36.85	-92.39	-228.92	4,317.39	7,769.38	7,649.04	120.33	64.565		
18,700.00	7,630.00	7,767.94	7,568.20	164.06	36.85	-92.43	-228.92	4,317.39	7,869.21	7,748.84	120.37	65.375		
18,800.00	7,630.00	7,768.21	7,568.47	165.70	36.85	-92.46	-228.92	4,317.39	7,969.04	7,848.64	120.41	66.183		
18,900.00	7,630.00	7,768.48	7,568.74	167.33	36.85	-92.50	-228.92	4,317.39	8,068.88	7,948.44	120.45	66.992		
19,000.00	7,630.00	7,768.75	7,569.01	168.97	36.85	-92.53	-228.92	4,317.40	8,168.73	8,048.25	120.48	67.800		
19,021.79	7,630.00	7,768.81	7,569.07	169.33	36.85	-92.54	-228.92	4,317.40	8,190.48	8,069.99	120.49	67.976		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ HELEN 0-4-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 122-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	134.25	-2,069.07	2,124.00	2,965.56					
100.00	100.00	71.61	71.61	0.13	0.12	134.25	-2,068.96	2,123.80	2,965.04	2,964.79	0.25	N/A		
200.00	200.00	184.68	184.67	0.49	0.42	134.26	-2,068.40	2,122.89	2,964.10	2,963.18	0.92	3,237.721		
300.00	300.00	299.89	299.87	0.85	0.84	134.26	-2,067.41	2,121.87	2,962.87	2,961.19	1.69	1,756.448		
400.00	400.00	395.24	395.22	1.21	1.18	134.26	-2,066.42	2,120.86	2,961.39	2,959.00	2.39	1,240.739		
500.00	500.00	485.53	485.50	1.57	1.50	134.25	-2,065.30	2,120.40	2,960.16	2,957.10	3.07	965.513		
600.00	600.00	645.55	645.47	1.93	2.07	134.22	-2,061.92	2,118.75	2,957.86	2,953.87	4.00	740.202		
700.00	700.00	765.88	765.72	2.29	2.51	134.20	-2,058.30	2,116.45	2,954.39	2,949.60	4.79	617.357		
800.00	799.98	856.20	855.98	2.64	2.83	72.50	-2,055.18	2,114.93	2,950.26	2,944.79	5.46	539.982		
900.00	899.84	1,727.63	1,712.85	2.99	6.45	73.40	-1,947.15	2,027.65	2,937.46	2,928.60	8.85	331.814		
1,000.00	999.45	1,992.05	1,963.31	3.35	7.95	74.45	-1,883.70	1,971.67	2,903.32	2,893.20	10.13	286.640		
1,100.00	1,098.70	2,144.53	2,105.57	3.73	8.91	75.58	-1,842.20	1,935.79	2,864.22	2,853.19	11.04	259.495		
1,200.00	1,197.47	2,212.82	2,169.13	4.11	9.36	76.65	-1,823.56	1,919.13	2,823.79	2,812.11	11.68	241.717		
1,300.00	1,295.62	2,282.24	2,233.98	4.53	9.82	77.78	-1,805.16	1,902.59	2,783.57	2,771.22	12.35	225.363		
1,400.00	1,393.06	2,364.45	2,310.91	4.97	10.36	79.07	-1,784.07	1,882.71	2,743.16	2,730.07	13.09	209.586		
1,500.00	1,489.64	2,447.35	2,388.55	5.44	10.90	80.44	-1,762.55	1,863.15	2,702.52	2,688.66	13.86	194.992		
1,600.00	1,585.27	2,529.74	2,465.75	5.95	11.45	81.88	-1,740.74	1,844.38	2,661.76	2,647.09	14.67	181.475		
1,700.00	1,679.82	2,644.20	2,572.82	6.51	12.22	83.68	-1,710.27	1,817.79	2,620.47	2,604.86	15.61	167.833		
1,800.00	1,773.17	2,719.30	2,643.01	7.13	12.74	85.28	-1,690.36	1,800.01	2,579.01	2,562.51	16.49	156.377		
1,900.00	1,865.21	2,791.73	2,710.78	7.79	13.23	86.91	-1,671.05	1,783.22	2,538.01	2,520.59	17.42	145.703		
2,000.00	1,955.84	2,902.42	2,814.25	8.51	13.99	89.06	-1,641.27	1,757.56	2,497.34	2,478.83	18.51	134.927		
2,100.00	2,044.94	3,024.10	2,927.23	9.30	14.86	91.51	-1,607.43	1,727.61	2,455.88	2,436.19	19.69	124.755		
2,200.00	2,132.39	3,103.91	3,001.08	10.15	15.44	93.52	-1,584.76	1,707.60	2,414.83	2,394.01	20.83	115.955		
2,300.00	2,218.11	3,156.57	3,049.90	11.07	15.83	95.17	-1,570.13	1,694.35	2,375.40	2,353.42	21.98	108.059		
2,400.00	2,301.97	3,219.54	3,108.45	12.06	16.28	96.99	-1,553.13	1,678.59	2,338.13	2,314.88	23.25	100.586		
2,500.00	2,383.88	3,300.66	3,183.85	13.11	16.86	99.13	-1,530.83	1,658.65	2,302.64	2,278.02	24.63	93.502		
2,512.74	2,394.17	3,309.16	3,191.75	13.25	16.93	99.38	-1,528.48	1,656.54	2,298.26	2,273.45	24.80	92.653		
2,600.00	2,464.54	3,373.74	3,251.70	14.22	17.40	100.53	-1,510.62	1,640.52	2,268.95	2,242.89	26.06	87.068		
2,700.00	2,545.18	3,459.71	3,331.36	15.35	18.03	102.11	-1,486.70	1,618.78	2,236.75	2,209.20	27.55	81.179		
2,800.00	2,625.82	3,561.19	3,424.99	16.50	18.79	104.00	-1,457.57	1,592.62	2,205.71	2,176.61	29.10	75.802		
2,900.00	2,706.45	3,618.34	3,477.59	17.65	19.22	105.08	-1,440.80	1,577.88	2,176.19	2,145.58	30.61	71.100		
3,000.00	2,787.09	3,665.00	3,520.69	18.82	19.57	105.97	-1,427.26	1,566.21	2,149.23	2,117.10	32.13	66.893		
3,100.00	2,867.73	3,717.67	3,569.54	19.99	19.96	106.98	-1,412.33	1,553.35	2,124.99	2,091.31	33.68	63.098		
3,200.00	2,948.37	3,768.63	3,617.01	21.17	20.33	107.96	-1,398.39	1,541.14	2,103.66	2,068.42	35.24	59.697		
3,300.00	3,029.01	3,850.22	3,693.08	22.36	20.91	109.54	-1,376.03	1,521.88	2,084.62	2,047.77	36.85	56.578		
3,400.00	3,109.65	3,935.91	3,772.71	23.55	21.54	111.23	-1,352.21	1,501.05	2,067.38	2,028.92	38.47	53.747		
3,500.00	3,190.29	4,009.76	3,841.12	24.74	22.09	112.71	-1,331.56	1,482.40	2,052.15	2,012.07	40.08	51.203		
3,600.00	3,270.93	4,077.59	3,904.02	25.94	22.59	114.07	-1,312.37	1,465.80	2,039.28	1,997.60	41.68	48.927		
3,700.00	3,351.57	4,141.58	3,963.50	27.14	23.06	115.35	-1,294.30	1,450.62	2,029.01	1,985.74	43.27	46.897		
3,800.00	3,432.21	4,202.89	4,020.57	28.35	23.51	116.58	-1,277.19	1,436.17	2,021.45	1,976.62	44.83	45.088		
3,900.00	3,512.85	4,279.32	4,091.74	29.56	24.06	118.12	-1,256.08	1,418.00	2,016.55	1,970.15	46.40	43.463		
4,000.00	3,593.49	4,360.47	4,167.16	30.76	24.66	119.75	-1,233.12	1,398.75	2,013.63	1,965.69	47.94	42.002		
4,070.66	3,650.47	4,410.28	4,213.38	31.62	25.03	120.76	-1,218.98	1,386.72	2,013.00	1,963.99	49.01	41.072 CC		
4,100.00	3,674.13	4,429.60	4,231.29	31.97	25.17	121.16	-1,213.50	1,382.00	2,013.11	1,963.66	49.45	40.710 ES		
4,200.00	3,754.77	4,491.12	4,288.43	33.19	25.62	122.40	-1,196.20	1,367.08	2,015.31	1,964.39	50.92	39.580		
4,300.00	3,835.41	4,546.66	4,340.12	34.40	26.03	123.53	-1,180.84	1,353.84	2,020.38	1,968.05	52.34	38.605		
4,400.00	3,916.05	4,598.59	4,388.66	35.62	26.40	124.56	-1,166.92	1,341.71	2,028.54	1,974.85	53.70	37.777		
4,500.00	3,996.69	4,647.72	4,434.79	36.83	26.74	125.54	-1,154.22	1,330.54	2,039.81	1,984.82	55.00	37.090		
4,600.00	4,077.33	4,704.00	4,487.94	38.05	27.13	126.63	-1,140.34	1,318.29	2,054.22	1,997.97	56.25	36.519		
4,700.00	4,157.96	4,746.84	4,528.60	39.27	27.40	127.46	-1,130.26	1,309.34	2,071.59	2,014.18	57.41	36.085		
4,800.00	4,238.60	4,798.00	4,577.38	40.49	27.73	128.42	-1,118.77	1,299.07	2,091.88	2,033.35	58.52	35.744		
4,900.00	4,319.24	4,842.60	4,620.14	41.71	27.99	129.24	-1,109.35	1,290.56	2,115.04	2,055.49	59.55	35.517		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ HELEN 0-4-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 122-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	4,399.88	4,893.00	4,668.74	42.93	28.29	130.14	-1,099.51	1,281.56	2,141.08	2,080.55	60.53	35.370		
5,100.00	4,480.52	4,950.80	4,724.74	44.15	28.61	131.15	-1,088.92	1,271.90	2,169.58	2,108.11	61.47	35.293		
5,200.00	4,561.16	5,010.25	4,782.50	45.37	28.92	132.16	-1,078.46	1,262.55	2,200.11	2,137.74	62.37	35.277		
5,300.00	4,641.80	5,062.91	4,833.86	46.59	29.19	133.02	-1,069.85	1,254.74	2,232.86	2,169.68	63.19	35.338		
5,400.00	4,722.44	5,120.45	4,890.17	47.82	29.47	133.94	-1,061.16	1,246.69	2,267.74	2,203.77	63.97	35.450		
5,500.00	4,803.08	5,176.00	4,944.67	49.04	29.74	134.80	-1,053.32	1,239.35	2,304.47	2,239.76	64.71	35.613		
5,600.00	4,883.72	5,236.85	5,004.63	50.27	30.00	135.70	-1,045.63	1,232.38	2,342.99	2,277.57	65.41	35.819		
5,700.00	4,964.36	5,295.36	5,062.57	51.49	30.23	136.50	-1,039.37	1,227.17	2,383.21	2,317.14	66.08	36.067		
5,800.00	5,045.00	5,355.32	5,122.11	52.71	30.45	137.29	-1,033.87	1,222.77	2,424.97	2,358.26	66.71	36.350		
5,900.00	5,125.64	5,420.29	5,186.77	53.94	30.67	138.09	-1,028.82	1,218.97	2,468.09	2,400.75	67.33	36.655		
6,000.00	5,206.28	5,489.40	5,255.68	55.17	30.89	138.89	-1,024.39	1,216.10	2,512.32	2,444.37	67.95	36.971		
6,100.00	5,286.92	5,553.00	5,319.17	56.39	31.07	139.58	-1,021.08	1,214.59	2,557.47	2,488.94	68.53	37.319		
6,200.00	5,367.56	5,610.62	5,376.75	57.62	31.22	140.16	-1,018.90	1,213.86	2,603.79	2,534.74	69.05	37.708		
6,300.00	5,448.20	5,663.40	5,429.52	58.84	31.35	140.68	-1,017.76	1,213.43	2,651.54	2,582.01	69.53	38.134		
6,400.00	5,528.84	5,722.21	5,488.32	60.07	31.48	141.23	-1,017.14	1,213.04	2,700.45	2,630.43	70.03	38.564		
6,500.00	5,609.47	5,802.49	5,568.60	61.30	31.66	141.96	-1,016.87	1,212.66	2,750.21	2,679.58	70.63	38.941		
6,600.00	5,690.11	5,890.04	5,656.14	62.53	31.86	142.72	-1,016.48	1,212.57	2,800.11	2,728.84	71.26	39.293		
6,700.00	5,770.75	5,970.27	5,736.37	63.75	32.05	143.40	-1,015.76	1,212.06	2,850.26	2,778.41	71.85	39.669		
6,800.00	5,851.39	6,047.74	5,813.84	64.98	32.24	144.05	-1,015.07	1,211.41	2,900.84	2,828.42	72.42	40.056		
6,900.00	5,932.03	6,129.19	5,895.27	66.21	32.43	144.71	-1,014.30	1,210.63	2,951.77	2,878.77	73.01	40.431		
7,000.00	6,012.67	6,201.24	5,967.31	67.44	32.61	145.28	-1,013.68	1,209.85	3,003.13	2,929.59	73.54	40.839		
7,100.00	6,093.31	6,280.20	6,046.27	68.66	32.80	145.88	-1,013.10	1,208.92	3,054.91	2,980.81	74.10	41.226		
7,200.00	6,173.95	6,364.02	6,130.08	69.89	33.01	146.51	-1,012.45	1,207.94	3,106.95	3,032.26	74.69	41.597		
7,300.00	6,254.59	6,446.46	6,212.51	71.12	33.21	147.10	-1,011.75	1,207.07	3,159.15	3,083.87	75.27	41.969		
7,400.00	6,335.23	6,526.70	6,292.75	72.35	33.41	147.66	-1,011.19	1,206.41	3,211.60	3,135.76	75.84	42.347		
7,500.00	6,415.87	6,612.86	6,378.91	73.58	33.62	148.23	-1,010.78	1,206.04	3,264.26	3,187.82	76.44	42.702		
7,600.00	6,496.51	6,706.82	6,472.87	74.81	33.84	148.83	-1,010.39	1,206.41	3,316.78	3,239.69	77.09	43.025		
7,700.00	6,577.15	6,774.86	6,540.90	76.04	34.00	149.25	-1,010.08	1,206.55	3,369.58	3,292.00	77.58	43.433		
7,800.00	6,657.79	6,864.11	6,630.16	77.27	34.23	149.79	-1,009.48	1,206.31	3,422.67	3,344.47	78.20	43.767		
7,900.00	6,738.43	6,935.50	6,701.54	78.50	34.41	150.21	-1,008.87	1,206.03	3,475.90	3,397.18	78.72	44.158		
8,000.00	6,819.07	7,015.35	6,781.39	79.73	34.61	150.68	-1,008.44	1,205.66	3,529.53	3,450.25	79.28	44.520		
8,100.00	6,899.71	7,110.24	6,876.28	80.96	34.85	151.21	-1,007.81	1,205.51	3,583.13	3,503.19	79.94	44.825		
8,200.00	6,980.35	7,201.15	6,967.18	82.18	35.08	151.69	-1,007.10	1,205.80	3,636.57	3,556.00	80.57	45.136		
8,240.58	7,013.07	7,235.31	7,001.34	82.68	35.16	151.87	-1,006.79	1,205.90	3,658.27	3,577.46	80.81	45.270		
8,250.00	7,020.68	7,243.26	7,009.29	82.80	35.18	150.36	-1,006.71	1,205.93	3,663.26	3,582.39	80.86	45.301		
8,300.00	7,061.63	7,280.07	7,046.10	83.40	35.28	142.11	-1,006.34	1,205.99	3,688.00	3,606.87	81.13	45.459		
8,350.00	7,103.23	7,315.31	7,081.33	83.97	35.37	133.58	-1,005.97	1,205.95	3,709.78	3,628.39	81.38	45.585		
8,400.00	7,145.18	7,351.60	7,117.62	84.51	35.46	125.01	-1,005.58	1,205.79	3,728.46	3,646.83	81.64	45.672		
8,450.00	7,187.16	7,399.25	7,165.27	85.01	35.59	116.76	-1,004.94	1,205.44	3,743.88	3,661.93	81.96	45.682		
8,500.00	7,228.84	7,446.26	7,212.27	85.46	35.72	109.05	-1,004.11	1,204.96	3,755.91	3,673.65	82.26	45.659		
8,550.00	7,269.91	7,481.57	7,247.57	85.86	35.82	102.03	-1,003.39	1,204.49	3,764.58	3,682.09	82.48	45.641		
8,600.00	7,310.05	7,516.53	7,282.52	86.20	35.92	95.93	-1,002.65	1,203.93	3,769.91	3,687.22	82.69	45.593		
8,650.00	7,348.97	7,552.30	7,318.27	86.50	36.02	90.81	-1,001.87	1,203.26	3,771.91	3,689.04	82.88	45.512		
8,700.00	7,386.36	7,589.96	7,355.92	86.74	36.13	86.67	-1,001.15	1,202.68	3,770.58	3,687.52	83.06	45.394		
8,750.00	7,421.94	7,626.10	7,392.06	86.93	36.23	83.41	-1,000.59	1,202.28	3,765.95	3,682.73	83.23	45.250		
8,800.00	7,455.44	7,665.44	7,451.39	87.07	36.38	81.25	-1,000.08	1,202.38	3,758.01	3,674.50	83.51	45.000		
8,850.00	7,486.61	8,850.00	7,479.03	87.16	39.31	79.50	-1,000.18	1,203.10	3,746.72	3,660.27	86.45	43.339		
8,900.00	7,515.20	7,750.81	7,516.75	87.20	36.54	78.57	-1,000.25	1,203.90	3,732.48	3,648.77	83.71	44.586		
8,950.00	7,541.00	7,767.50	7,533.42	87.21	36.58	78.03	-1,000.33	1,204.26	3,715.45	3,631.76	83.69	44.396		
9,000.00	7,563.81	7,782.19	7,548.12	87.17	36.61	78.07	-1,000.40	1,204.52	3,695.78	3,612.14	83.64	44.188		
9,050.00	7,583.47	7,794.83	7,560.75	87.10	36.64	78.66	-1,000.46	1,204.71	3,673.61	3,590.04	83.56	43.962		
9,100.00	7,599.81	7,805.32	7,571.24	87.00	36.66	79.80	-1,000.50	1,204.83	3,649.09	3,565.63	83.47	43.718		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													SEC 23-T1N-R68W - EXIST HZ HELEN 0-4-23 - OWB - FINAL SURVEY		Offset Site Error: 0.00 usft	
Survey Program: 122-MWD OWSG															Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis		Distance								Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor				
9,150.00	7,612.72	7,819.00	7,584.92	86.88	36.69	81.59	-1,000.56	1,204.96	3,622.42	3,539.02	83.40	43.437				
9,200.00	7,622.09	7,819.00	7,584.92	86.72	36.69	83.71	-1,000.56	1,204.96	3,593.74	3,510.51	83.23	43.178				
9,250.00	7,627.87	7,819.00	7,584.92	86.55	36.69	86.41	-1,000.56	1,204.96	3,563.28	3,480.21	83.07	42.895				
9,303.98	7,630.00	7,819.00	7,584.92	86.35	36.69	90.02	-1,000.56	1,204.96	3,528.61	3,445.70	82.91	42.559				
9,400.00	7,630.00	7,819.00	7,584.92	85.99	36.69	90.02	-1,000.56	1,204.96	3,466.17	3,383.53	82.64	41.942				
9,500.00	7,630.00	7,819.00	7,584.92	85.62	36.69	90.02	-1,000.56	1,204.96	3,402.82	3,320.45	82.37	41.313				
9,600.00	7,630.00	7,819.00	7,584.92	85.28	36.69	90.02	-1,000.56	1,204.96	3,341.25	3,259.15	82.10	40.697				
9,700.00	7,630.00	7,819.00	7,584.92	84.95	36.69	90.02	-1,000.56	1,204.96	3,281.58	3,199.74	81.85	40.095				
9,800.00	7,630.00	7,819.00	7,584.92	84.64	36.69	90.02	-1,000.56	1,204.96	3,223.91	3,142.31	81.60	39.507				
9,900.00	7,630.00	7,819.00	7,584.92	84.34	36.69	90.02	-1,000.56	1,204.96	3,168.34	3,086.96	81.38	38.932				
10,000.00	7,630.00	7,819.00	7,584.92	84.06	36.69	90.02	-1,000.56	1,204.96	3,115.00	3,033.82	81.18	38.372				
10,100.00	7,630.00	7,819.00	7,584.92	83.80	36.69	90.02	-1,000.56	1,204.96	3,063.99	2,982.99	81.00	37.826				
10,200.00	7,630.00	7,819.00	7,584.92	83.56	36.69	90.02	-1,000.56	1,204.96	3,015.43	2,934.58	80.85	37.295				
10,300.00	7,630.00	7,828.23	7,594.15	83.33	36.72	90.22	-1,000.61	1,205.02	2,969.43	2,888.60	80.83	36.736				
10,400.00	7,630.00	7,828.56	7,594.48	83.12	36.72	90.23	-1,000.61	1,205.02	2,926.14	2,845.38	80.76	36.233				
10,500.00	7,630.00	7,828.89	7,594.81	82.92	36.72	90.23	-1,000.61	1,205.03	2,885.67	2,804.95	80.73	35.746				
10,600.00	7,630.00	7,829.22	7,595.14	82.75	36.72	90.24	-1,000.61	1,205.03	2,848.14	2,767.40	80.74	35.277				
10,700.00	7,630.00	7,829.56	7,595.48	82.59	36.72	90.25	-1,000.61	1,205.03	2,813.66	2,732.87	80.79	34.825				
10,800.00	7,630.00	7,829.90	7,595.82	82.45	36.72	90.25	-1,000.61	1,205.03	2,782.36	2,701.46	80.90	34.393				
10,900.00	7,630.00	7,830.24	7,596.16	82.33	36.72	90.26	-1,000.62	1,205.03	2,754.32	2,673.27	81.05	33.982				
11,000.00	7,630.00	7,830.59	7,596.51	82.22	36.72	90.27	-1,000.62	1,205.04	2,729.67	2,648.41	81.26	33.594				
11,100.00	7,630.00	7,830.93	7,596.86	82.14	36.72	90.28	-1,000.62	1,205.04	2,708.49	2,626.98	81.51	33.230				
11,200.00	7,630.00	7,831.29	7,597.21	82.08	36.72	90.28	-1,000.62	1,205.04	2,690.85	2,609.05	81.80	32.894				
11,300.00	7,630.00	7,831.64	7,597.56	82.04	36.72	90.29	-1,000.62	1,205.04	2,676.84	2,594.70	82.14	32.588				
11,400.00	7,630.00	7,832.00	7,597.92	82.02	36.73	90.30	-1,000.63	1,205.04	2,666.51	2,583.99	82.52	32.312				
11,500.00	7,630.00	7,832.36	7,598.28	82.03	36.73	90.31	-1,000.63	1,205.05	2,659.90	2,576.96	82.94	32.071				
11,600.00	7,630.00	7,832.73	7,598.65	82.06	36.73	90.32	-1,000.63	1,205.05	2,657.04	2,573.66	83.38	31.865				
11,626.03	7,630.00	7,832.82	7,598.74	82.08	36.73	90.32	-1,000.63	1,205.05	2,656.92	2,573.41	83.51	31.816				
11,700.00	7,630.00	7,833.09	7,599.02	82.12	36.73	90.32	-1,000.63	1,205.05	2,657.94	2,574.09	83.85	31.697				
11,800.00	7,630.00	7,833.47	7,599.39	82.21	36.73	90.33	-1,000.63	1,205.05	2,662.61	2,578.26	84.35	31.568				
11,900.00	7,630.00	7,833.84	7,599.76	82.33	36.73	90.34	-1,000.63	1,205.05	2,671.00	2,586.15	84.85	31.479				
12,000.00	7,630.00	7,834.22	7,600.14	82.48	36.73	90.35	-1,000.64	1,205.06	2,683.11	2,597.74	85.37	31.431				
12,100.00	7,630.00	7,834.60	7,600.52	82.66	36.73	90.36	-1,000.64	1,205.06	2,698.86	2,612.98	85.88	31.424 SF				
12,200.00	7,630.00	7,834.99	7,600.91	82.88	36.73	90.36	-1,000.64	1,205.06	2,718.21	2,631.80	86.40	31.459				
12,300.00	7,630.00	7,835.38	7,601.30	83.14	36.73	90.37	-1,000.64	1,205.06	2,741.06	2,654.15	86.92	31.536				
12,400.00	7,630.00	7,835.77	7,601.69	83.44	36.73	90.38	-1,000.64	1,205.06	2,767.35	2,679.92	87.43	31.654				
12,500.00	7,630.00	7,836.17	7,602.09	83.79	36.74	90.39	-1,000.65	1,205.07	2,796.97	2,709.04	87.92	31.812				
12,600.00	7,630.00	7,836.57	7,602.49	84.18	36.74	90.40	-1,000.65	1,205.07	2,829.81	2,741.40	88.41	32.009				
12,700.00	7,630.00	7,836.97	7,602.89	84.61	36.74	90.41	-1,000.65	1,205.07	2,865.76	2,776.89	88.88	32.245				
12,800.00	7,630.00	7,837.38	7,603.30	85.10	36.74	90.42	-1,000.65	1,205.07	2,904.72	2,815.39	89.33	32.517				
12,900.00	7,630.00	7,837.79	7,603.71	85.64	36.74	90.43	-1,000.66	1,205.07	2,946.55	2,856.79	89.76	32.825				
13,000.00	7,630.00	7,838.20	7,604.13	86.22	36.74	90.43	-1,000.66	1,205.08	2,991.15	2,900.97	90.18	33.168				
13,100.00	7,630.00	7,838.62	7,604.55	86.86	36.74	90.44	-1,000.66	1,205.08	3,038.38	2,947.80	90.58	33.543				
13,200.00	7,630.00	7,839.05	7,604.97	87.56	36.74	90.45	-1,000.66	1,205.08	3,088.13	2,997.17	90.96	33.950				
13,300.00	7,630.00	7,839.48	7,605.40	88.30	36.74	90.46	-1,000.67	1,205.08	3,140.28	3,048.95	91.32	34.386				
13,400.00	7,630.00	7,839.91	7,605.83	89.10	36.74	90.47	-1,000.67	1,205.08	3,194.70	3,103.03	91.67	34.851				
13,500.00	7,630.00	7,840.35	7,606.27	89.94	36.75	90.48	-1,000.67	1,205.09	3,251.29	3,159.30	91.99	35.342				
13,600.00	7,630.00	7,840.79	7,606.71	90.84	36.75	90.49	-1,000.67	1,205.09	3,309.94	3,217.63	92.30	35.859				
13,700.00	7,630.00	7,841.23	7,607.15	91.78	36.75	90.50	-1,000.68	1,205.09	3,370.53	3,277.93	92.60	36.400				
13,800.00	7,630.00	7,841.68	7,607.60	92.77	36.75	90.51	-1,000.68	1,205.09	3,432.97	3,340.09	92.87	36.963				
13,900.00	7,630.00	7,842.14	7,608.06	93.79	36.75	90.52	-1,000.68	1,205.09	3,497.15	3,404.01	93.14	37.548				
14,000.00	7,630.00	7,842.60	7,608.52	94.86	36.75	90.53	-1,000.68	1,205.10	3,562.98	3,469.60	93.38	38.154				

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ HELEN 0-4-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 122-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,100.00	7,630.00	7,843.06	7,608.98	95.97	36.75	90.54	-1,000.69	1,205.10	3,630.37	3,536.76	93.62	38.778		
14,200.00	7,630.00	7,843.53	7,609.45	97.11	36.75	90.55	-1,000.69	1,205.10	3,699.24	3,605.40	93.84	39.421		
14,300.00	7,630.00	7,844.00	7,609.92	98.28	36.75	90.56	-1,000.69	1,205.10	3,769.51	3,675.46	94.05	40.080		
14,400.00	7,630.00	7,844.48	7,610.40	99.48	36.76	90.57	-1,000.69	1,205.10	3,841.09	3,746.84	94.25	40.756		
14,500.00	7,630.00	7,844.96	7,610.88	100.72	36.76	90.58	-1,000.70	1,205.11	3,913.92	3,819.49	94.43	41.447		
14,600.00	7,630.00	7,845.45	7,611.37	101.97	36.76	90.59	-1,000.70	1,205.11	3,987.92	3,893.31	94.61	42.152		
14,700.00	7,630.00	7,845.94	7,611.86	103.26	36.76	90.60	-1,000.70	1,205.11	4,063.04	3,968.27	94.77	42.871		
14,800.00	7,630.00	7,846.44	7,612.36	104.56	36.76	90.61	-1,000.71	1,205.11	4,139.21	4,044.28	94.93	43.602		
14,900.00	7,630.00	7,846.95	7,612.87	105.89	36.76	90.62	-1,000.71	1,205.11	4,216.38	4,121.30	95.08	44.345		
15,000.00	7,630.00	7,847.46	7,613.38	107.24	36.76	90.63	-1,000.71	1,205.11	4,294.49	4,199.27	95.22	45.100		
15,100.00	7,630.00	7,847.97	7,613.89	108.60	36.76	90.64	-1,000.71	1,205.12	4,373.49	4,278.14	95.35	45.866		
15,200.00	7,630.00	7,848.49	7,614.41	109.98	36.76	90.66	-1,000.72	1,205.12	4,453.34	4,357.86	95.48	46.641		
15,300.00	7,630.00	7,849.02	7,614.94	111.38	36.77	90.67	-1,000.72	1,205.12	4,533.98	4,438.38	95.60	47.426		
15,400.00	7,630.00	7,849.55	7,615.47	112.79	36.77	90.68	-1,000.72	1,205.12	4,615.38	4,519.67	95.71	48.220		
15,500.00	7,630.00	7,850.09	7,616.01	114.22	36.77	90.69	-1,000.73	1,205.12	4,697.50	4,601.68	95.82	49.023		
15,600.00	7,630.00	7,850.63	7,616.55	115.66	36.77	90.70	-1,000.73	1,205.12	4,780.30	4,684.38	95.93	49.833		
15,700.00	7,630.00	7,851.18	7,617.10	117.11	36.77	90.71	-1,000.73	1,205.13	4,863.75	4,767.73	96.02	50.652		
15,800.00	7,630.00	7,851.74	7,617.66	118.57	36.77	90.73	-1,000.74	1,205.13	4,947.81	4,851.70	96.12	51.477		
15,900.00	7,630.00	7,852.30	7,618.22	120.05	36.77	90.74	-1,000.74	1,205.13	5,032.46	4,936.25	96.21	52.309		
16,000.00	7,630.00	7,852.87	7,618.79	121.53	36.78	90.75	-1,000.75	1,205.13	5,117.66	5,021.36	96.29	53.148		
16,100.00	7,630.00	7,853.44	7,619.36	123.03	36.78	90.76	-1,000.75	1,205.13	5,203.38	5,107.01	96.37	53.992		
16,200.00	7,630.00	7,854.02	7,619.94	124.53	36.78	90.78	-1,000.75	1,205.13	5,289.61	5,193.16	96.45	54.843		
16,300.00	7,630.00	7,854.61	7,620.53	126.04	36.78	90.79	-1,000.76	1,205.13	5,376.31	5,279.79	96.53	55.699		
16,400.00	7,630.00	7,855.21	7,621.13	127.56	36.78	90.80	-1,000.76	1,205.14	5,463.47	5,366.87	96.60	56.559		
16,500.00	7,630.00	7,855.81	7,621.73	129.09	36.78	90.81	-1,000.76	1,205.14	5,551.06	5,454.39	96.67	57.425		
16,600.00	7,630.00	7,856.42	7,622.34	130.62	36.78	90.83	-1,000.77	1,205.14	5,639.06	5,542.33	96.73	58.295		
16,700.00	7,630.00	7,857.03	7,622.95	132.16	36.79	90.84	-1,000.77	1,205.14	5,727.46	5,630.66	96.80	59.170		
16,800.00	7,630.00	7,857.66	7,623.58	133.71	36.79	90.85	-1,000.78	1,205.14	5,816.23	5,719.37	96.86	60.049		
16,900.00	7,630.00	7,858.29	7,624.21	135.27	36.79	90.87	-1,000.78	1,205.14	5,905.36	5,808.45	96.92	60.932		
17,000.00	7,630.00	7,858.93	7,624.85	136.83	36.79	90.88	-1,000.79	1,205.14	5,994.84	5,897.86	96.98	61.818		
17,100.00	7,630.00	7,859.57	7,625.49	138.39	36.79	90.89	-1,000.79	1,205.14	6,084.64	5,987.61	97.03	62.707		
17,200.00	7,630.00	7,860.23	7,626.15	139.97	36.79	90.91	-1,000.79	1,205.14	6,174.76	6,077.67	97.09	63.600		
17,300.00	7,630.00	7,860.89	7,626.81	141.54	36.79	90.92	-1,000.80	1,205.15	6,265.17	6,168.03	97.14	64.496		
17,400.00	7,630.00	7,861.56	7,627.48	143.12	36.80	90.94	-1,000.80	1,205.15	6,355.87	6,258.68	97.19	65.395		
17,500.00	7,630.00	7,862.24	7,628.16	144.71	36.80	90.95	-1,000.81	1,205.15	6,446.85	6,349.61	97.24	66.297		
17,600.00	7,630.00	7,862.92	7,628.84	146.30	36.80	90.97	-1,000.81	1,205.15	6,538.09	6,440.80	97.29	67.201		
17,700.00	7,630.00	7,863.62	7,629.54	147.90	36.80	90.98	-1,000.82	1,205.15	6,629.59	6,532.25	97.34	68.108		
17,800.00	7,630.00	7,864.32	7,630.24	149.50	36.80	91.00	-1,000.82	1,205.15	6,721.32	6,623.94	97.39	69.017		
17,900.00	7,630.00	7,865.04	7,630.96	151.10	36.80	91.01	-1,000.83	1,205.15	6,813.29	6,715.86	97.43	69.928		
18,000.00	7,630.00	7,865.76	7,631.68	152.71	36.81	91.03	-1,000.83	1,205.15	6,905.48	6,808.00	97.48	70.841		
18,100.00	7,630.00	7,866.49	7,632.41	154.32	36.81	91.04	-1,000.84	1,205.15	6,997.89	6,900.36	97.52	71.756		
18,200.00	7,630.00	7,867.23	7,633.15	155.94	36.81	91.06	-1,000.84	1,205.15	7,090.50	6,992.93	97.57	72.673		
18,300.00	7,630.00	7,867.98	7,633.90	157.56	36.81	91.08	-1,000.85	1,205.15	7,183.31	7,085.70	97.61	73.592		
18,400.00	7,630.00	7,868.74	7,634.66	159.18	36.81	91.09	-1,000.86	1,205.15	7,276.31	7,178.66	97.65	74.512		
18,500.00	7,630.00	7,869.51	7,635.43	160.80	36.82	91.11	-1,000.86	1,205.15	7,369.49	7,271.80	97.70	75.433		
18,600.00	7,630.00	7,870.30	7,636.22	162.43	36.82	91.13	-1,000.87	1,205.15	7,462.85	7,365.12	97.74	76.356		
18,700.00	7,630.00	7,871.09	7,637.01	164.06	36.82	91.14	-1,000.87	1,205.15	7,556.38	7,458.60	97.78	77.280		
18,800.00	7,630.00	7,871.89	7,637.81	165.70	36.82	91.16	-1,000.88	1,205.15	7,650.08	7,552.26	97.82	78.206		
18,900.00	7,630.00	7,872.70	7,638.62	167.33	36.82	91.18	-1,000.89	1,205.15	7,743.93	7,646.07	97.86	79.132		
19,000.00	7,630.00	7,873.52	7,639.44	168.97	36.82	91.20	-1,000.89	1,205.15	7,837.93	7,740.03	97.90	80.059		
19,021.79	7,630.00	7,873.71	7,639.63	169.33	36.83	91.20	-1,000.89	1,205.15	7,858.43	7,760.52	97.91	80.262		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ HELEN 14-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 120-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	134.41	-2,072.71	2,115.60	2,962.09					
100.00	100.00	62.68	62.68	0.13	0.10	134.41	-2,072.60	2,115.58	2,961.66	2,961.42	0.24	N/A		
200.00	200.00	166.60	166.59	0.49	0.36	134.41	-2,072.02	2,115.48	2,961.20	2,960.34	0.85	3,469.038		
300.00	300.00	265.54	265.53	0.85	0.72	134.40	-2,071.62	2,115.39	2,960.85	2,959.28	1.57	1,890.018		
400.00	400.00	372.83	372.83	1.21	1.10	134.40	-2,071.11	2,115.13	2,960.34	2,958.04	2.31	1,282.485		
500.00	500.00	610.54	610.38	1.57	1.95	134.46	-2,069.15	2,108.17	2,958.07	2,954.56	3.51	841.623		
600.00	600.00	731.15	730.54	1.93	2.39	134.61	-2,069.44	2,097.81	2,952.04	2,947.73	4.31	685.488		
700.00	700.00	819.82	818.72	2.29	2.72	134.76	-2,071.41	2,088.67	2,946.26	2,941.27	4.99	590.321		
800.00	799.98	896.28	894.61	2.64	3.02	73.27	-2,074.46	2,079.96	2,940.48	2,934.85	5.63	521.902		
900.00	899.84	963.58	961.28	2.99	3.28	73.62	-2,078.62	2,071.79	2,934.76	2,928.51	6.25	469.681		
1,000.00	999.45	1,028.65	1,025.56	3.35	3.54	74.02	-2,084.16	2,063.36	2,929.25	2,922.38	6.87	426.490		
1,100.00	1,098.70	1,080.38	1,076.53	3.73	3.76	74.41	-2,089.68	2,056.42	2,924.21	2,916.76	7.45	392.470		
1,200.00	1,197.47	1,139.00	1,134.18	4.11	4.00	74.87	-2,097.15	2,048.86	2,920.14	2,912.06	8.08	361.353		
1,300.00	1,295.62	1,172.97	1,167.53	4.53	4.14	75.17	-2,102.06	2,044.66	2,916.99	2,908.36	8.63	337.996		
1,400.00	1,393.06	1,233.00	1,226.36	4.97	4.40	75.69	-2,111.73	2,037.70	2,915.09	2,905.76	9.32	312.747		
1,500.00	1,489.64	1,262.00	1,254.72	5.44	4.53	75.97	-2,116.90	2,034.55	2,914.25	2,904.34	9.91	294.196		
1,508.12	1,497.45	1,262.00	1,254.72	5.48	4.53	75.97	-2,116.90	2,034.55	2,914.24	2,904.29	9.95	293.033		
1,600.00	1,585.27	1,306.68	1,298.33	5.95	4.72	76.37	-2,125.40	2,029.90	2,914.74	2,904.14	10.60	274.941		
1,700.00	1,679.82	1,338.00	1,328.86	6.51	4.86	76.65	-2,131.66	2,026.75	2,916.45	2,905.17	11.28	258.663		
1,800.00	1,773.17	1,396.31	1,385.52	7.13	5.12	77.21	-2,144.19	2,021.07	2,919.32	2,907.18	12.13	240.627		
1,900.00	1,865.21	1,433.00	1,421.04	7.79	5.29	77.54	-2,152.73	2,017.61	2,923.76	2,910.82	12.93	226.082		
2,000.00	1,955.84	1,471.65	1,458.33	8.51	5.48	77.88	-2,162.28	2,014.16	2,929.82	2,916.02	13.80	212.317		
2,100.00	2,044.94	1,527.00	1,511.51	9.30	5.74	78.42	-2,176.96	2,009.72	2,937.81	2,922.99	14.81	198.333		
2,200.00	2,132.39	1,527.00	1,511.51	10.15	5.74	78.23	-2,176.96	2,009.72	2,947.30	2,931.71	15.58	189.158		
2,300.00	2,218.11	1,570.82	1,553.44	11.07	5.96	78.60	-2,189.34	2,006.70	2,958.71	2,942.06	16.65	177.733		
2,400.00	2,301.97	1,622.00	1,602.22	12.06	6.22	79.05	-2,204.55	2,003.84	2,972.20	2,954.39	17.82	166.835		
2,500.00	2,383.88	1,641.10	1,620.39	13.11	6.32	79.02	-2,210.38	2,002.94	2,987.28	2,968.43	18.85	158.440		
2,512.74	2,394.17	1,648.28	1,627.22	13.25	6.35	79.08	-2,212.56	2,002.62	2,989.33	2,970.32	19.02	157.188		
2,600.00	2,464.54	1,697.84	1,674.40	14.22	6.61	79.80	-2,227.61	2,000.63	3,004.23	2,984.08	20.15	149.088		
2,700.00	2,545.18	1,812.93	1,784.27	15.35	7.20	81.43	-2,261.62	1,996.61	3,022.70	3,000.90	21.80	138.640		
2,800.00	2,625.82	1,860.38	1,829.68	16.50	7.45	82.09	-2,275.28	1,995.05	3,042.37	3,019.32	23.05	131.971		
2,900.00	2,706.45	1,916.70	1,883.56	17.65	7.75	82.87	-2,291.64	1,993.66	3,064.08	3,039.73	24.35	125.822		
3,000.00	2,787.09	2,016.57	1,979.38	18.82	8.28	84.23	-2,319.72	1,991.96	3,086.97	3,061.06	25.90	119.166		
3,100.00	2,867.73	2,078.70	2,039.09	19.99	8.61	85.06	-2,336.88	1,991.20	3,111.23	3,084.00	27.22	114.293		
3,200.00	2,948.37	2,145.99	2,103.71	21.17	8.97	85.95	-2,355.65	1,990.19	3,137.07	3,108.50	28.56	109.826		
3,300.00	3,029.01	2,203.56	2,158.87	22.36	9.29	86.72	-2,372.03	1,988.55	3,164.43	3,134.60	29.83	106.065		
3,400.00	3,109.65	2,245.05	2,198.55	23.55	9.53	87.28	-2,384.08	1,987.48	3,193.71	3,162.72	30.99	103.056		
3,500.00	3,190.29	2,297.56	2,248.70	24.74	9.82	87.97	-2,399.64	1,986.60	3,224.94	3,192.75	32.20	100.164		
3,600.00	3,270.93	2,397.06	2,344.11	25.94	10.37	89.23	-2,427.84	1,986.91	3,256.98	3,223.29	33.69	96.679		
3,700.00	3,351.57	2,443.76	2,388.88	27.14	10.63	89.81	-2,441.12	1,987.14	3,290.45	3,255.63	34.82	94.491		
3,800.00	3,432.21	2,506.74	2,449.11	28.35	10.99	90.60	-2,459.53	1,986.95	3,325.55	3,289.50	36.05	92.252		
3,900.00	3,512.85	2,584.92	2,523.93	29.56	11.43	91.57	-2,482.20	1,986.60	3,361.66	3,324.30	37.36	89.977		
4,000.00	3,593.49	2,648.68	2,585.02	30.76	11.79	92.34	-2,500.47	1,987.37	3,398.94	3,360.38	38.56	88.146		
4,100.00	3,674.13	2,862.04	2,790.23	31.97	13.00	94.92	-2,558.36	1,983.27	3,435.61	3,394.86	40.75	84.316		
4,200.00	3,754.77	2,905.70	2,832.29	33.19	13.25	95.46	-2,569.81	1,980.84	3,472.55	3,430.75	41.80	83.078		
4,300.00	3,835.41	2,953.99	2,878.78	34.40	13.52	96.04	-2,582.69	1,978.86	3,511.09	3,468.23	42.86	81.920		
4,400.00	3,916.05	3,016.88	2,939.36	35.62	13.88	96.77	-2,599.51	1,977.25	3,550.93	3,506.93	44.00	80.703		
4,500.00	3,996.69	3,095.17	3,014.80	36.83	14.32	97.67	-2,620.39	1,975.68	3,591.79	3,546.55	45.23	79.410		
4,600.00	4,077.33	3,156.50	3,073.85	38.05	14.67	98.38	-2,636.76	1,973.30	3,633.50	3,587.17	46.33	78.428		
4,700.00	4,157.96	3,202.48	3,118.03	39.27	14.94	98.91	-2,649.29	1,971.09	3,676.54	3,629.24	47.30	77.721		
4,800.00	4,238.60	3,271.08	3,183.85	40.49	15.34	99.70	-2,668.31	1,967.40	3,720.85	3,672.43	48.42	76.843		
4,900.00	4,319.24	3,348.40	3,258.11	41.71	15.80	100.57	-2,689.44	1,963.40	3,765.84	3,716.25	49.59	75.947		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ HELEN 14-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 120-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	4,399.88	3,412.40	3,319.62	42.93	16.17	101.28	-2,706.90	1,960.68	3,811.73	3,761.09	50.64	75.269		
5,100.00	4,480.52	3,456.94	3,362.41	44.15	16.43	101.76	-2,719.20	1,959.05	3,858.71	3,807.17	51.54	74.867		
5,200.00	4,561.16	3,507.00	3,410.40	45.37	16.73	102.30	-2,733.32	1,957.30	3,906.92	3,854.46	52.47	74.467		
5,300.00	4,641.80	3,577.30	3,477.77	46.59	17.14	103.03	-2,753.28	1,955.30	3,956.07	3,902.54	53.53	73.908		
5,400.00	4,722.44	3,648.82	3,546.38	47.82	17.56	103.76	-2,773.45	1,954.02	4,005.80	3,951.21	54.59	73.381		
5,500.00	4,803.08	3,712.36	3,607.33	49.04	17.94	104.39	-2,791.38	1,953.37	4,056.24	4,000.66	55.58	72.979		
5,600.00	4,883.72	3,765.42	3,658.19	50.27	18.25	104.91	-2,806.50	1,952.65	4,107.54	4,051.06	56.48	72.725		
5,700.00	4,964.36	3,812.66	3,703.40	51.49	18.53	105.38	-2,820.13	1,951.62	4,159.77	4,102.45	57.32	72.568		
5,800.00	5,045.00	3,854.30	3,743.19	52.71	18.79	105.79	-2,832.36	1,950.13	4,213.03	4,154.93	58.11	72.507		
5,900.00	5,125.64	3,897.91	3,792.30	53.94	19.07	106.20	-2,844.48	1,948.92	4,264.53	4,206.73	58.80	72.447		
6,000.00	5,206.28	3,940.67	3,841.00	55.17	19.35	106.61	-2,856.61	1,947.71	4,315.63	4,257.83	59.49	72.387		
6,100.00	5,286.92	3,983.43	3,891.76	56.39	19.63	107.02	-2,868.74	1,946.50	4,366.73	4,308.93	60.18	72.327		
6,200.00	5,367.56	4,026.19	3,942.50	57.62	19.91	107.43	-2,880.87	1,945.29	4,417.83	4,360.03	60.87	72.267		
6,300.00	5,448.20	4,068.95	3,993.26	58.84	20.19	107.84	-2,893.00	1,944.08	4,468.93	4,411.13	61.56	72.207		
6,400.00	5,528.84	4,111.71	4,044.00	60.07	20.47	108.25	-2,905.13	1,942.87	4,520.03	4,462.23	62.25	72.147		
6,500.00	5,609.47	4,154.47	4,094.76	61.30	20.75	108.66	-2,917.26	1,941.66	4,571.13	4,513.33	62.94	72.087		
6,600.00	5,690.11	4,197.23	4,145.52	62.53	21.03	109.07	-2,929.39	1,940.45	4,622.23	4,564.43	63.63	72.027		
6,700.00	5,770.75	4,240.00	4,196.28	63.75	21.31	109.48	-2,941.52	1,939.24	4,673.33	4,615.53	64.32	71.967		
6,800.00	5,851.39	4,282.76	4,247.04	64.98	21.59	109.89	-2,953.65	1,938.03	4,724.43	4,666.63	65.01	71.907		
6,900.00	5,932.03	4,325.52	4,297.80	66.21	21.87	110.30	-2,965.78	1,936.82	4,775.53	4,717.73	65.70	71.847		
7,000.00	6,012.67	4,368.28	4,348.56	67.44	22.15	110.71	-2,977.91	1,935.61	4,826.63	4,768.83	66.39	71.787		
7,100.00	6,093.31	4,411.04	4,399.32	68.66	22.43	111.12	-2,990.04	1,934.40	4,877.73	4,819.93	67.08	71.727		
7,200.00	6,173.95	4,453.80	4,450.08	69.89	22.71	111.53	-2,999.99	1,933.19	4,928.83	4,871.03	67.77	71.667		
7,300.00	6,254.59	4,496.56	4,499.84	71.12	22.99	111.94	-3,009.94	1,931.98	4,979.93	4,922.13	68.46	71.607		
7,400.00	6,335.23	4,539.32	4,549.60	72.35	23.27	112.35	-3,019.89	1,930.77	5,030.03	4,973.23	69.15	71.547		
7,500.00	6,415.87	4,582.08	4,599.36	73.58	23.55	112.76	-3,029.84	1,929.56	5,080.13	5,023.33	69.84	71.487		
7,600.00	6,496.51	4,624.84	4,649.12	74.81	23.83	113.17	-3,039.79	1,928.35	5,130.23	5,073.43	70.53	71.427		
7,700.00	6,577.15	4,667.60	4,699.88	76.04	24.11	113.58	-3,049.74	1,927.14	5,180.33	5,123.53	71.22	71.367		
7,800.00	6,657.79	4,710.36	4,750.64	77.27	24.39	113.99	-3,059.69	1,925.93	5,230.43	5,173.63	71.91	71.307		
7,900.00	6,738.43	4,753.12	4,790.40	78.50	24.67	114.40	-3,069.64	1,924.72	5,280.53	5,223.73	72.60	71.247		
8,000.00	6,819.07	4,795.88	4,831.16	79.73	24.95	114.81	-3,079.59	1,923.51	5,330.63	5,273.83	73.29	71.187		
8,100.00	6,899.71	4,838.64	4,871.92	80.96	25.23	115.22	-3,089.54	1,922.30	5,380.73	5,323.93	73.98	71.127		
8,200.00	6,980.35	4,881.40	4,914.68	82.18	25.51	115.63	-3,099.49	1,921.09	5,430.83	5,374.03	74.67	71.067		
8,240.58	7,013.07	4,904.16	4,946.44	82.68	25.66	115.79	-3,103.68	1,920.41	5,453.11	5,396.31	74.95	71.047		
8,250.00	7,020.68	4,911.77	4,954.05	82.80	25.78	115.84	-3,105.69	1,920.17	5,465.14	5,408.34	75.07	71.037		
8,300.00	7,061.63	4,942.72	4,995.00	83.40	26.06	116.25	-3,115.64	1,918.96	5,515.24	5,458.44	75.76	70.977		
8,350.00	7,103.23	4,983.67	5,035.96	83.97	26.34	116.66	-3,125.59	1,917.75	5,565.34	5,508.54	76.45	70.917		
8,400.00	7,145.18	5,024.62	5,076.92	84.51	26.62	117.07	-3,135.54	1,916.54	5,615.44	5,558.64	77.14	70.857		
8,450.00	7,187.16	5,065.57	5,117.88	85.01	26.90	117.48	-3,145.49	1,915.33	5,665.54	5,608.74	77.83	70.797		
8,500.00	7,228.84	5,106.52	5,158.84	85.46	27.18	117.89	-3,155.44	1,914.12	5,715.64	5,658.84	78.52	70.737		
8,550.00	7,269.91	5,147.47	5,199.91	85.86	27.46	118.30	-3,165.39	1,912.91	5,765.74	5,708.94	79.21	70.677		
8,600.00	7,310.05	5,188.42	5,240.97	86.20	27.74	118.71	-3,175.34	1,911.70	5,815.84	5,759.04	79.90	70.617		
8,650.00	7,348.97	5,229.37	5,281.92	86.50	28.02	119.12	-3,185.29	1,910.49	5,865.94	5,809.14	80.59	70.557		
8,700.00	7,386.36	5,269.32	5,322.88	86.74	28.30	119.53	-3,195.24	1,909.28	5,916.04	5,859.24	81.28	70.497		
8,750.00	7,421.94	5,309.27	5,363.84	86.93	28.58	119.94	-3,205.19	1,908.07	5,966.14	5,909.34	81.97	70.437		
8,800.00	7,455.44	5,349.22	5,404.79	87.07	28.86	120.35	-3,215.14	1,906.86	6,016.24	5,959.44	82.66	70.377		
8,850.00	7,486.61	5,389.17	5,445.75	87.16	29.14	120.76	-3,225.09	1,905.65	6,066.34	6,009.54	83.35	70.317		
8,900.00	7,515.20	5,429.12	5,486.70	87.20	29.42	121.17	-3,235.04	1,904.44	6,116.44	6,059.64	84.04	70.257		
8,950.00	7,541.00	5,469.07	5,527.66	87.21	29.70	121.58	-3,245.00	1,903.23	6,166.54	6,109.74	84.73	70.197		
9,000.00	7,563.81	5,509.02	5,568.61	87.17	29.98	121.99	-3,254.95	1,902.02	6,216.64	6,159.84	85.42	70.137		
9,050.00	7,583.47	5,548.97	5,609.57	87.10	30.26	122.40	-3,264.90	1,900.81	6,266.74	6,209.94	86.11	70.077		
9,100.00	7,599.81	5,588.92	5,650.52	87.00	30.54	122.81	-3,274.85	1,899.60	6,316.84	6,259.04	86.80	70.017		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ HELEN 14-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 120-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,150.00	7,612.72	7,726.86	7,593.49	86.88	31.71	70.80	-3,038.50	1,890.98	4,914.51	4,820.41	94.10	52.225		
9,200.00	7,622.09	7,731.52	7,598.15	86.72	31.72	75.42	-3,038.50	1,891.04	4,872.22	4,778.05	94.18	51.735		
9,250.00	7,627.87	7,734.42	7,601.05	86.55	31.73	81.64	-3,038.50	1,891.07	4,828.42	4,734.18	94.24	51.237		
9,303.98	7,630.00	7,735.52	7,602.15	86.35	31.73	90.53	-3,038.50	1,891.08	4,779.79	4,685.50	94.29	50.695		
9,400.00	7,630.00	7,735.56	7,602.20	85.99	31.73	90.53	-3,038.50	1,891.08	4,692.41	4,598.05	94.36	49.728		
9,500.00	7,630.00	7,735.61	7,602.24	85.62	31.73	90.53	-3,038.50	1,891.08	4,601.78	4,507.34	94.45	48.724		
9,600.00	7,630.00	7,735.66	7,602.29	85.28	31.73	90.53	-3,038.50	1,891.08	4,511.55	4,417.01	94.54	47.723		
9,700.00	7,630.00	7,735.71	7,602.34	84.95	31.73	90.53	-3,038.50	1,891.08	4,421.74	4,327.11	94.63	46.726		
9,800.00	7,630.00	7,735.76	7,602.39	84.64	31.73	90.54	-3,038.50	1,891.08	4,332.37	4,237.64	94.73	45.732		
9,900.00	7,630.00	7,735.81	7,602.44	84.34	31.73	90.54	-3,038.50	1,891.08	4,243.48	4,148.64	94.84	44.742		
10,000.00	7,630.00	7,735.86	7,602.49	84.06	31.73	90.54	-3,038.50	1,891.08	4,155.09	4,060.13	94.96	43.756		
10,100.00	7,630.00	7,735.91	7,602.55	83.80	31.73	90.54	-3,038.50	1,891.08	4,067.25	3,972.16	95.09	42.774		
10,200.00	7,630.00	7,735.97	7,602.60	83.56	31.73	90.54	-3,038.50	1,891.09	3,979.97	3,884.75	95.22	41.797		
10,300.00	7,630.00	7,736.03	7,602.66	83.33	31.73	90.54	-3,038.50	1,891.09	3,893.31	3,797.94	95.37	40.825		
10,400.00	7,630.00	7,736.08	7,602.71	83.12	31.73	90.55	-3,038.50	1,891.09	3,807.30	3,711.78	95.52	39.858		
10,500.00	7,630.00	7,736.14	7,602.77	82.92	31.73	90.55	-3,038.50	1,891.09	3,721.99	3,626.31	95.69	38.898		
10,600.00	7,630.00	7,736.20	7,602.83	82.75	31.73	90.55	-3,038.50	1,891.09	3,637.43	3,541.57	95.86	37.944		
10,700.00	7,630.00	7,736.26	7,602.89	82.59	31.73	90.55	-3,038.50	1,891.09	3,553.67	3,457.62	96.05	36.998		
10,800.00	7,630.00	7,736.33	7,602.96	82.45	31.73	90.55	-3,038.50	1,891.09	3,470.77	3,374.52	96.25	36.059		
10,900.00	7,630.00	7,736.39	7,603.02	82.33	31.73	90.55	-3,038.50	1,891.09	3,388.80	3,292.33	96.47	35.128		
11,000.00	7,630.00	7,736.46	7,603.09	82.22	31.73	90.56	-3,038.51	1,891.09	3,307.82	3,211.11	96.70	34.206		
11,100.00	7,630.00	7,736.53	7,603.16	82.14	31.73	90.56	-3,038.51	1,891.09	3,227.90	3,130.95	96.95	33.295		
11,200.00	7,630.00	7,736.60	7,603.23	82.08	31.73	90.56	-3,038.51	1,891.09	3,149.13	3,051.92	97.21	32.394		
11,300.00	7,630.00	7,736.67	7,603.30	82.04	31.73	90.56	-3,038.51	1,891.09	3,071.59	2,974.10	97.49	31.505		
11,400.00	7,630.00	7,736.74	7,603.38	82.02	31.74	90.57	-3,038.51	1,891.09	2,995.39	2,897.60	97.79	30.629		
11,500.00	7,630.00	7,736.82	7,603.45	82.03	31.74	90.57	-3,038.51	1,891.09	2,920.63	2,822.51	98.11	29.768		
11,600.00	7,630.00	7,736.90	7,603.53	82.06	31.74	90.57	-3,038.51	1,891.10	2,847.41	2,748.96	98.45	28.921		
11,700.00	7,630.00	7,736.98	7,603.61	82.12	31.74	90.57	-3,038.51	1,891.10	2,775.86	2,677.05	98.81	28.092		
11,800.00	7,630.00	7,737.06	7,603.69	82.21	31.74	90.57	-3,038.51	1,891.10	2,706.12	2,606.93	99.20	27.280		
11,900.00	7,630.00	7,737.15	7,603.78	82.33	31.74	90.58	-3,038.51	1,891.10	2,638.33	2,538.73	99.60	26.489		
12,000.00	7,630.00	7,737.24	7,603.87	82.48	31.74	90.58	-3,038.51	1,891.10	2,572.64	2,472.61	100.02	25.720		
12,100.00	7,630.00	7,737.33	7,603.96	82.66	31.74	90.58	-3,038.51	1,891.10	2,509.21	2,408.74	100.47	24.975		
12,200.00	7,630.00	7,737.42	7,604.05	82.88	31.74	90.58	-3,038.51	1,891.10	2,448.23	2,347.30	100.93	24.256		
12,300.00	7,630.00	7,737.52	7,604.15	83.14	31.74	90.59	-3,038.51	1,891.10	2,389.88	2,288.46	101.42	23.565		
12,400.00	7,630.00	7,737.62	7,604.25	83.44	31.74	90.59	-3,038.51	1,891.10	2,334.35	2,232.44	101.92	22.905		
12,500.00	7,630.00	7,737.72	7,604.35	83.79	31.74	90.59	-3,038.51	1,891.11	2,281.86	2,179.44	102.43	22.278		
12,600.00	7,630.00	7,737.83	7,604.46	84.18	31.74	90.60	-3,038.51	1,891.11	2,232.62	2,129.67	102.94	21.688		
12,700.00	7,630.00	7,737.94	7,604.57	84.61	31.74	90.60	-3,038.51	1,891.11	2,186.84	2,083.37	103.46	21.136		
12,800.00	7,630.00	7,738.05	7,604.68	85.10	31.74	90.60	-3,038.51	1,891.11	2,144.75	2,040.76	103.98	20.626		
12,900.00	7,630.00	7,738.17	7,604.80	85.64	31.74	90.61	-3,038.51	1,891.11	2,106.57	2,002.08	104.49	20.160		
13,000.00	7,630.00	7,738.29	7,604.92	86.22	31.74	90.61	-3,038.51	1,891.11	2,072.51	1,967.53	104.98	19.742		
13,100.00	7,630.00	7,738.42	7,605.05	86.86	31.74	90.61	-3,038.51	1,891.11	2,042.79	1,937.34	105.44	19.373		
13,200.00	7,630.00	7,738.55	7,605.18	87.56	31.74	90.62	-3,038.51	1,891.11	2,017.59	1,911.72	105.87	19.057		
13,300.00	7,630.00	7,738.69	7,605.32	88.30	31.74	90.62	-3,038.51	1,891.12	1,997.09	1,890.83	106.26	18.794		
13,400.00	7,630.00	7,738.83	7,605.46	89.10	31.74	90.63	-3,038.51	1,891.12	1,981.42	1,874.83	106.60	18.588		
13,500.00	7,630.00	7,738.97	7,605.60	89.94	31.74	90.63	-3,038.51	1,891.12	1,970.71	1,863.84	106.88	18.439		
13,600.00	7,630.00	7,739.13	7,605.76	90.84	31.74	90.63	-3,038.51	1,891.12	1,965.04	1,857.95	107.09	18.349		
13,661.59	7,630.00	7,739.22	7,605.85	91.41	31.74	90.64	-3,038.51	1,891.12	1,964.08	1,856.89	107.19	18.323 CC, ES		
13,700.00	7,630.00	7,739.29	7,605.92	91.78	31.74	90.64	-3,038.51	1,891.12	1,964.45	1,857.22	107.24	18.319 SF		
13,800.00	7,630.00	7,739.45	7,606.08	92.77	31.74	90.64	-3,038.51	1,891.12	1,968.95	1,861.63	107.32	18.347		
13,900.00	7,630.00	7,739.62	7,606.25	93.79	31.74	90.65	-3,038.51	1,891.13	1,978.50	1,871.17	107.33	18.434		
14,000.00	7,630.00	7,739.80	7,606.43	94.86	31.74	90.65	-3,038.51	1,891.13	1,993.02	1,885.75	107.27	18.579		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ HELEN 14-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 120-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,100.00	7,630.00	7,739.99	7,606.62	95.97	31.74	90.66	-3,038.51	1,891.13	2,012.41	1,905.26	107.15	18.781		
14,200.00	7,630.00	7,740.19	7,606.82	97.11	31.74	90.67	-3,038.51	1,891.13	2,036.54	1,929.57	106.97	19.038		
14,300.00	7,630.00	7,740.39	7,607.02	98.28	31.75	90.67	-3,038.51	1,891.13	2,065.23	1,958.49	106.74	19.348		
14,400.00	7,630.00	7,740.61	7,607.24	99.48	31.75	90.68	-3,038.51	1,891.14	2,098.30	1,991.83	106.47	19.708		
14,500.00	7,630.00	7,740.83	7,607.46	100.72	31.75	90.68	-3,038.51	1,891.14	2,135.54	2,029.38	106.16	20.117		
14,600.00	7,630.00	7,741.07	7,607.70	101.97	31.75	90.69	-3,038.51	1,891.14	2,176.75	2,070.93	105.82	20.571		
14,700.00	7,630.00	7,741.32	7,607.95	103.26	31.75	90.70	-3,038.51	1,891.14	2,221.69	2,116.23	105.46	21.067		
14,800.00	7,630.00	7,741.58	7,608.21	104.56	31.75	90.71	-3,038.51	1,891.15	2,270.15	2,165.07	105.08	21.604		
14,900.00	7,630.00	7,741.86	7,608.49	105.89	31.75	90.71	-3,038.51	1,891.15	2,321.91	2,217.22	104.69	22.179		
15,000.00	7,630.00	7,742.15	7,608.78	107.24	31.75	90.72	-3,038.51	1,891.15	2,376.75	2,272.45	104.30	22.788		
15,100.00	7,630.00	7,742.45	7,609.08	108.60	31.75	90.73	-3,038.52	1,891.16	2,434.47	2,330.56	103.91	23.429		
15,200.00	7,630.00	7,742.78	7,609.41	109.98	31.75	90.74	-3,038.52	1,891.16	2,494.86	2,391.33	103.52	24.100		
15,300.00	7,630.00	7,743.12	7,609.75	111.38	31.75	90.75	-3,038.52	1,891.16	2,557.73	2,454.59	103.14	24.798		
15,400.00	7,630.00	7,743.49	7,610.12	112.79	31.75	90.76	-3,038.52	1,891.17	2,622.91	2,520.14	102.77	25.522		
15,500.00	7,630.00	7,743.88	7,610.51	114.22	31.76	90.77	-3,038.52	1,891.17	2,690.23	2,587.82	102.41	26.268		
15,600.00	7,630.00	7,744.29	7,610.92	115.66	31.76	90.79	-3,038.52	1,891.18	2,759.53	2,657.47	102.07	27.036		
15,700.00	7,630.00	7,744.74	7,611.37	117.11	31.76	90.80	-3,038.52	1,891.18	2,830.67	2,728.94	101.73	27.824		
15,800.00	7,630.00	7,745.21	7,611.84	118.57	31.76	90.81	-3,038.52	1,891.19	2,903.51	2,802.10	101.42	28.629		
15,900.00	7,630.00	7,745.72	7,612.35	120.05	31.76	90.83	-3,038.52	1,891.19	2,977.93	2,876.82	101.11	29.451		
16,000.00	7,630.00	7,746.27	7,612.90	121.53	31.76	90.84	-3,038.53	1,891.20	3,053.81	2,952.98	100.83	30.288		
16,100.00	7,630.00	7,746.86	7,613.49	123.03	31.76	90.86	-3,038.53	1,891.21	3,131.04	3,030.49	100.55	31.139		
16,200.00	7,630.00	7,747.50	7,614.13	124.53	31.77	90.88	-3,038.53	1,891.21	3,209.53	3,109.24	100.29	32.002		
16,300.00	7,630.00	7,748.19	7,614.82	126.04	31.77	90.90	-3,038.53	1,891.22	3,289.19	3,189.14	100.05	32.876		
16,400.00	7,630.00	7,748.95	7,615.58	127.56	31.77	90.92	-3,038.54	1,891.23	3,369.94	3,270.12	99.82	33.761		
16,500.00	7,630.00	7,749.78	7,616.41	129.09	31.77	90.95	-3,038.54	1,891.24	3,451.69	3,352.09	99.60	34.656		
16,600.00	7,630.00	7,750.69	7,617.32	130.62	31.77	90.97	-3,038.54	1,891.25	3,534.38	3,434.98	99.39	35.560		
16,700.00	7,630.00	7,751.69	7,618.32	132.16	31.78	91.00	-3,038.55	1,891.26	3,617.94	3,518.74	99.20	36.471		
16,800.00	7,630.00	7,752.81	7,619.44	133.71	31.78	91.03	-3,038.55	1,891.27	3,702.32	3,603.30	99.02	37.390		
16,900.00	7,630.00	7,754.05	7,620.68	135.27	31.78	91.07	-3,038.56	1,891.28	3,787.46	3,688.61	98.85	38.316		
17,000.00	7,630.00	7,755.44	7,622.07	136.83	31.79	91.11	-3,038.57	1,891.30	3,873.31	3,774.62	98.69	39.248		
17,100.00	7,630.00	7,757.02	7,623.65	138.39	31.79	91.16	-3,038.57	1,891.31	3,959.82	3,861.28	98.54	40.185		
17,200.00	7,630.00	7,758.82	7,625.45	139.97	31.80	91.21	-3,038.58	1,891.33	4,046.96	3,948.56	98.40	41.128		
17,300.00	7,630.00	7,760.88	7,627.51	141.54	31.80	91.27	-3,038.60	1,891.36	4,134.67	4,036.40	98.27	42.075		
17,400.00	7,630.00	7,763.70	7,630.33	143.12	31.81	91.35	-3,038.62	1,891.38	4,222.93	4,124.78	98.15	43.025		
17,500.00	7,630.00	7,767.12	7,633.75	144.71	31.82	91.45	-3,038.64	1,891.42	4,311.71	4,213.67	98.04	43.978		
17,600.00	7,630.00	7,771.33	7,637.95	146.30	31.83	91.57	-3,038.67	1,891.46	4,400.96	4,303.02	97.94	44.933		
17,700.00	7,630.00	7,776.63	7,643.25	147.90	31.85	91.73	-3,038.72	1,891.52	4,490.67	4,392.82	97.86	45.891		
17,800.00	7,630.00	7,783.51	7,650.14	149.50	31.87	91.93	-3,038.79	1,891.59	4,580.80	4,483.03	97.78	46.849		
17,900.00	7,630.00	17,900.00	7,591.76	151.10	60.48	90.23	-3,038.73	1,890.93	4,671.21	4,542.36	128.85	36.253		
18,000.00	7,630.00	18,000.00	7,591.39	152.71	60.77	90.22	-3,038.73	1,890.92	4,762.13	4,633.02	129.11	36.884		
18,100.00	7,630.00	7,826.55	7,693.17	154.32	32.00	93.18	-3,039.46	1,892.03	4,853.50	4,755.85	97.65	49.701		
18,200.00	7,630.00	7,862.21	7,728.81	155.94	32.11	94.22	-3,040.31	1,892.40	4,945.09	4,847.40	97.69	50.619		
18,300.00	7,630.00	7,858.27	7,724.88	157.56	32.10	94.11	-3,040.20	1,892.36	5,036.99	4,939.39	97.60	51.607		
18,400.00	7,630.00	7,861.12	7,727.73	159.18	32.11	94.19	-3,040.28	1,892.39	5,129.19	5,031.65	97.54	52.585		
18,500.00	7,630.00	7,863.98	7,730.59	160.80	32.12	94.27	-3,040.35	1,892.42	5,221.68	5,124.19	97.49	53.564		
18,600.00	7,630.00	7,866.86	7,733.47	162.43	32.13	94.36	-3,040.43	1,892.45	5,314.44	5,217.00	97.43	54.545		
18,700.00	7,630.00	7,869.76	7,736.36	164.06	32.14	94.44	-3,040.50	1,892.48	5,407.45	5,310.07	97.38	55.527		
18,800.00	7,630.00	18,800.00	7,687.35	165.70	66.03	93.01	-3,039.56	1,891.97	5,500.63	5,367.62	133.01	41.356		
18,900.00	7,630.00	18,900.00	7,688.96	167.33	66.35	93.06	-3,039.59	1,891.99	5,594.14	5,460.84	133.30	41.965		
19,000.00	7,630.00	19,000.00	7,690.58	168.97	66.66	93.11	-3,039.62	1,892.01	5,687.87	5,554.26	133.60	42.572		
19,021.79	7,630.00	19,021.79	7,690.93	169.33	66.72	93.12	-3,039.62	1,892.01	5,708.32	5,574.65	133.67	42.704		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ HELEN 4-6-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 120-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	109.24	-1,475.01	4,226.89	4,477.13					
100.00	100.00	33.44	33.44	0.13	0.05	109.24	-1,475.00	4,226.96	4,476.96	4,476.77	0.19	N/A		
200.00	200.00	99.00	99.00	0.49	0.16	109.23	-1,474.93	4,227.53	4,477.73	4,477.09	0.65	6,899.897		
300.00	300.00	244.16	244.15	0.85	0.63	109.22	-1,474.44	4,228.97	4,478.64	4,477.16	1.48	3,027.400		
400.00	400.00	519.80	519.40	1.21	1.60	109.36	-1,483.14	4,220.83	4,477.00	4,474.19	2.81	1,595.051		
500.00	500.00	618.22	617.10	1.57	1.97	109.50	-1,492.35	4,213.39	4,472.96	4,469.42	3.54	1,264.156		
600.00	600.00	686.00	684.03	1.93	2.25	109.64	-1,501.49	4,207.85	4,469.69	4,465.52	4.17	1,071.653		
700.00	700.00	790.93	786.84	2.29	2.71	109.90	-1,519.87	4,197.88	4,466.62	4,461.63	4.99	894.761		
800.00	799.98	873.66	867.30	2.64	3.11	48.44	-1,537.03	4,189.17	4,462.60	4,456.86	5.74	777.394		
900.00	899.84	942.12	933.67	2.99	3.45	48.77	-1,552.24	4,181.96	4,456.90	4,450.46	6.44	692.472		
1,000.00	999.45	1,087.87	1,074.78	3.35	4.21	49.48	-1,585.15	4,166.31	4,449.14	4,441.58	7.55	589.210		
1,100.00	1,098.70	1,213.85	1,196.88	3.73	4.88	50.19	-1,612.37	4,151.40	4,437.89	4,429.31	8.58	517.260		
1,200.00	1,197.47	1,268.99	1,250.38	4.11	5.17	50.65	-1,624.12	4,145.12	4,425.04	4,415.79	9.25	478.596		
1,300.00	1,295.62	1,343.94	1,323.16	4.53	5.57	51.24	-1,640.21	4,137.18	4,411.01	4,400.97	10.03	439.567		
1,400.00	1,393.06	1,436.35	1,412.53	4.97	6.07	52.01	-1,661.21	4,126.72	4,395.02	4,384.07	10.95	401.466		
1,500.00	1,489.64	1,501.49	1,475.36	5.44	6.44	52.68	-1,676.75	4,119.33	4,377.69	4,365.95	11.74	372.785		
1,600.00	1,585.27	1,593.71	1,564.18	5.95	6.96	53.59	-1,699.23	4,108.82	4,358.92	4,346.19	12.73	342.464		
1,700.00	1,679.82	1,652.41	1,620.70	6.51	7.30	54.32	-1,713.64	4,102.24	4,338.87	4,325.31	13.56	320.009		
1,800.00	1,773.17	1,734.99	1,700.27	7.13	7.76	55.28	-1,733.90	4,093.38	4,317.80	4,303.23	14.56	296.476		
1,900.00	1,865.21	1,836.93	1,798.68	7.79	8.34	56.44	-1,758.08	4,082.33	4,295.08	4,279.36	15.72	273.219		
2,000.00	1,955.84	1,952.68	1,910.60	8.51	8.99	57.79	-1,784.65	4,069.48	4,270.79	4,253.79	17.00	251.244		
2,100.00	2,044.94	2,056.72	2,011.39	9.30	9.56	59.13	-1,807.50	4,057.47	4,244.77	4,226.51	18.26	232.457		
2,200.00	2,132.39	2,221.36	2,171.01	10.15	10.47	61.09	-1,841.74	4,036.21	4,216.18	4,196.27	19.91	211.790		
2,300.00	2,218.11	2,291.69	2,239.30	11.07	10.85	62.29	-1,855.77	4,026.93	4,186.76	4,165.65	21.10	198.388		
2,400.00	2,301.97	2,355.38	2,301.14	12.06	11.19	63.47	-1,868.53	4,018.54	4,156.80	4,134.46	22.33	186.125		
2,500.00	2,383.88	2,401.25	2,345.69	13.11	11.44	64.51	-1,877.74	4,012.69	4,126.66	4,103.12	23.54	175.317		
2,512.74	2,394.17	2,407.01	2,351.28	13.25	11.47	64.64	-1,878.90	4,011.98	4,122.82	4,099.12	23.70	173.981		
2,600.00	2,464.54	2,447.65	2,390.79	14.22	11.69	65.07	-1,887.06	4,007.06	4,097.09	4,072.28	24.80	165.180		
2,700.00	2,545.18	2,501.99	2,443.60	15.35	11.99	65.64	-1,898.10	4,000.62	4,068.92	4,042.77	26.15	155.628		
2,800.00	2,625.82	2,597.30	2,536.18	16.50	12.50	66.65	-1,917.71	3,989.18	4,042.00	4,014.26	27.74	145.693		
2,900.00	2,706.45	2,669.28	2,606.09	17.65	12.89	67.43	-1,932.17	3,980.03	4,015.66	3,986.43	29.24	137.340		
3,000.00	2,787.09	2,719.29	2,654.71	18.82	13.16	67.96	-1,942.15	3,973.93	3,990.80	3,960.16	30.63	130.271		
3,100.00	2,867.73	2,770.16	2,704.23	19.99	13.43	68.51	-1,952.21	3,968.05	3,967.44	3,935.40	32.05	123.797		
3,200.00	2,948.37	2,823.30	2,756.03	21.17	13.71	69.08	-1,962.55	3,962.30	3,945.61	3,912.13	33.49	117.819		
3,300.00	3,029.01	2,899.18	2,830.08	22.36	14.11	69.89	-1,977.13	3,954.31	3,925.08	3,890.02	35.06	111.942		
3,400.00	3,109.65	2,975.15	2,904.22	23.55	14.50	70.71	-1,991.56	3,946.23	3,905.69	3,869.04	36.65	106.560		
3,500.00	3,190.29	3,039.27	2,966.80	24.74	14.84	71.41	-2,003.72	3,939.32	3,887.50	3,849.31	38.19	101.791		
3,600.00	3,270.93	3,093.90	3,019.98	25.94	15.13	72.01	-2,014.57	3,933.19	3,870.82	3,831.13	39.69	97.532		
3,700.00	3,351.57	3,145.87	3,070.47	27.14	15.41	72.58	-2,025.34	3,927.21	3,855.74	3,814.56	41.18	93.624		
3,800.00	3,432.21	3,197.13	3,120.20	28.35	15.69	73.16	-2,036.28	3,921.28	3,842.31	3,799.63	42.68	90.028		
3,900.00	3,512.85	3,252.55	3,174.00	29.56	15.99	73.77	-2,048.07	3,915.17	3,830.52	3,786.33	44.20	86.668		
4,000.00	3,593.49	3,308.11	3,228.08	30.76	16.29	74.39	-2,059.53	3,909.64	3,820.34	3,774.62	45.71	83.571		
4,100.00	3,674.13	3,361.51	3,280.13	31.97	16.57	74.98	-2,070.44	3,904.73	3,811.78	3,764.57	47.21	80.745		
4,200.00	3,754.77	3,435.87	3,352.61	33.19	16.97	75.79	-2,085.67	3,898.05	3,804.75	3,755.92	48.83	77.919		
4,300.00	3,835.41	3,517.74	3,432.27	34.40	17.40	76.71	-2,102.70	3,889.95	3,798.88	3,748.38	50.50	75.232		
4,400.00	3,916.05	3,613.60	3,525.44	35.62	17.91	77.78	-2,122.75	3,879.61	3,794.15	3,741.91	52.24	72.628		
4,500.00	3,996.69	3,735.68	3,644.53	36.83	18.55	79.14	-2,146.28	3,866.68	3,790.04	3,735.91	54.13	70.016		
4,600.00	4,077.33	3,825.12	3,732.15	38.05	18.99	80.12	-2,161.86	3,857.84	3,786.61	3,730.82	55.79	67.871		
4,700.00	4,157.96	3,911.22	3,816.84	39.27	19.40	81.04	-2,175.56	3,850.50	3,784.26	3,726.84	57.42	65.909		
4,800.00	4,238.60	4,122.02	4,025.53	40.49	20.30	83.23	-2,201.52	3,836.57	3,782.17	3,722.59	59.57	63.487		
4,900.00	4,319.24	4,269.87	4,172.84	41.71	20.82	84.68	-2,212.17	3,829.93	3,778.70	3,717.39	61.32	61.627		
5,000.00	4,399.88	4,393.21	4,296.02	42.93	21.21	85.85	-2,217.20	3,826.63	3,775.07	3,712.16	62.91	60.005		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ HELEN 4-6-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 120-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,480.52	4,505.21	4,407.98	44.15	21.54	86.89	-2,219.84	3,824.65	3,771.73	3,707.28	64.44	58.529		
5,200.00	4,561.16	4,619.73	4,522.49	45.37	21.87	87.94	-2,220.75	3,823.54	3,768.65	3,702.68	65.97	57.128		
5,300.00	4,641.80	4,726.20	4,628.95	46.59	22.15	88.91	-2,220.55	3,822.59	3,765.87	3,698.43	67.43	55.846		
5,400.00	4,722.44	4,824.45	4,727.19	47.82	22.39	89.79	-2,219.65	3,821.71	3,763.51	3,694.64	68.87	54.650		
5,500.00	4,803.08	4,910.96	4,813.70	49.04	22.60	90.58	-2,218.66	3,820.82	3,761.89	3,691.62	70.26	53.540		
5,600.00	4,883.72	4,995.77	4,898.49	50.27	22.82	91.35	-2,217.63	3,819.69	3,761.04	3,689.39	71.65	52.489		
5,629.81	4,907.76	5,015.23	4,917.94	50.63	22.87	91.52	-2,217.42	3,819.41	3,760.99	3,688.93	72.06	52.195		
5,700.00	4,964.36	5,061.01	4,963.72	51.49	23.00	91.94	-2,217.01	3,818.77	3,761.30	3,688.30	73.00	51.524		
5,800.00	5,045.00	5,126.15	5,028.85	52.71	23.17	92.54	-2,216.65	3,817.91	3,762.82	3,688.49	74.33	50.620		
5,900.00	5,125.64	5,191.18	5,093.87	53.94	23.35	93.13	-2,216.55	3,817.10	3,765.62	3,689.97	75.66	49.774		
6,000.00	5,206.28	5,256.09	5,158.78	55.17	23.53	93.72	-2,216.71	3,816.34	3,769.69	3,692.73	76.96	48.981		
6,100.00	5,286.92	5,329.09	5,231.77	56.39	23.74	94.39	-2,217.11	3,815.55	3,774.96	3,696.67	78.28	48.221		
6,200.00	5,367.56	5,407.17	5,309.85	57.62	23.97	95.10	-2,217.62	3,814.74	3,781.27	3,701.66	79.61	47.497		
6,300.00	5,448.20	5,496.64	5,399.31	58.84	24.23	95.91	-2,218.16	3,813.80	3,788.48	3,707.53	80.96	46.796		
6,400.00	5,528.84	5,591.28	5,493.94	60.07	24.50	96.77	-2,218.34	3,812.68	3,796.28	3,713.98	82.30	46.126		
6,500.00	5,609.47	5,677.93	5,580.59	61.30	24.75	97.55	-2,218.30	3,811.63	3,804.83	3,721.22	83.61	45.508		
6,600.00	5,690.11	5,757.18	5,659.84	62.53	24.98	98.26	-2,218.14	3,810.68	3,814.18	3,729.30	84.88	44.937		
6,700.00	5,770.75	5,819.26	5,721.91	63.75	25.16	98.82	-2,218.23	3,809.90	3,824.70	3,738.62	86.08	44.429		
6,800.00	5,851.39	5,952.83	5,855.46	64.98	25.54	100.01	-2,217.83	3,808.03	3,835.77	3,748.29	87.48	43.847		
6,900.00	5,932.03	6,037.77	5,940.39	66.21	25.78	100.76	-2,216.88	3,806.77	3,847.09	3,758.37	88.71	43.365		
7,000.00	6,012.67	6,107.51	6,010.12	67.44	25.97	101.38	-2,216.17	3,805.79	3,859.39	3,769.50	89.89	42.933		
7,100.00	6,093.31	6,189.72	6,092.32	68.66	26.21	102.10	-2,215.42	3,804.74	3,872.68	3,781.59	91.09	42.515		
7,200.00	6,173.95	6,271.46	6,174.05	69.89	26.44	102.82	-2,214.62	3,803.66	3,886.79	3,794.52	92.27	42.124		
7,300.00	6,254.59	6,348.20	6,250.77	71.12	26.66	103.49	-2,213.94	3,802.38	3,901.77	3,808.35	93.42	41.766		
7,400.00	6,335.23	6,423.25	6,325.81	72.35	26.88	104.14	-2,213.39	3,801.05	3,917.72	3,823.17	94.55	41.435		
7,500.00	6,415.87	6,501.36	6,403.90	73.58	27.11	104.82	-2,212.90	3,799.54	3,934.59	3,838.91	95.67	41.125		
7,600.00	6,496.51	6,564.69	6,467.23	74.81	27.30	105.37	-2,212.65	3,798.42	3,952.49	3,855.76	96.73	40.860		
7,700.00	6,577.15	6,637.51	6,540.04	76.04	27.52	105.99	-2,212.55	3,797.43	3,971.49	3,873.68	97.81	40.605		
7,800.00	6,657.79	6,710.94	6,613.46	77.27	27.74	106.61	-2,212.48	3,796.63	3,991.38	3,892.51	98.87	40.371		
7,900.00	6,738.43	6,777.16	6,679.68	78.50	27.94	107.17	-2,212.61	3,795.96	4,012.29	3,912.40	99.88	40.169		
8,000.00	6,819.07	6,848.23	6,750.75	79.73	28.17	107.76	-2,212.96	3,795.21	4,034.21	3,933.31	100.90	39.981		
8,100.00	6,899.71	6,919.64	6,822.15	80.96	28.39	108.36	-2,213.48	3,794.32	4,057.08	3,955.17	101.91	39.812		
8,200.00	6,980.35	6,990.88	6,893.38	82.18	28.62	108.95	-2,214.16	3,793.30	4,080.87	3,977.98	102.89	39.662		
8,240.58	7,013.07	7,019.51	6,922.00	82.68	28.71	109.19	-2,214.48	3,792.82	4,090.79	3,987.51	103.29	39.607		
8,250.00	7,020.68	7,026.16	6,928.65	82.80	28.74	108.07	-2,214.55	3,792.70	4,093.04	3,989.67	103.38	39.594		
8,300.00	7,061.63	7,061.87	6,964.35	83.40	28.85	101.69	-2,215.00	3,792.01	4,102.60	3,998.74	103.86	39.501		
8,350.00	7,103.23	7,105.33	7,007.80	83.97	28.99	94.74	-2,215.57	3,791.05	4,108.05	4,003.68	104.37	39.359		
8,400.00	7,145.18	7,149.07	7,051.52	84.51	29.14	87.41	-2,216.12	3,789.96	4,109.33	4,004.45	104.88	39.180		
8,450.00	7,187.16	7,186.27	7,088.70	85.01	29.26	79.98	-2,216.60	3,788.95	4,106.46	4,001.10	105.35	38.978		
8,500.00	7,228.84	7,222.01	7,124.43	85.46	29.38	72.82	-2,217.10	3,787.94	4,099.49	3,993.69	105.80	38.747		
8,550.00	7,269.91	7,257.58	7,159.97	85.86	29.50	66.20	-2,217.65	3,786.91	4,088.47	3,982.24	106.23	38.487		
8,600.00	7,310.05	7,293.55	7,195.92	86.20	29.62	60.30	-2,218.24	3,785.84	4,073.47	3,966.83	106.64	38.199		
8,650.00	7,348.97	7,328.46	7,230.81	86.50	29.74	55.17	-2,218.84	3,784.76	4,054.56	3,947.55	107.02	37.887		
8,700.00	7,386.36	7,362.07	7,264.40	86.74	29.85	50.77	-2,219.46	3,783.69	4,031.89	3,924.52	107.37	37.553		
8,750.00	7,421.94	7,394.14	7,296.44	86.93	29.96	47.07	-2,220.07	3,782.64	4,005.59	3,897.91	107.68	37.198		
8,800.00	7,455.44	7,604.33	7,506.53	87.07	30.62	45.87	-2,219.87	3,777.10	3,975.48	3,866.87	108.61	36.603		
8,850.00	7,486.61	7,645.98	7,548.16	87.16	30.73	43.63	-2,218.72	3,776.75	3,941.00	3,832.10	108.90	36.188		
8,900.00	7,515.20	7,669.94	7,572.12	87.20	30.80	41.74	-2,218.06	3,776.57	3,903.60	3,794.49	109.11	35.775		
8,950.00	7,541.00	7,691.47	7,593.64	87.21	30.86	40.34	-2,217.48	3,776.42	3,863.55	3,754.25	109.30	35.349		
9,000.00	7,563.81	7,710.40	7,612.56	87.17	30.91	39.40	-2,216.99	3,776.29	3,821.13	3,711.68	109.45	34.913		
9,050.00	7,583.47	7,727.62	7,629.77	87.10	30.96	38.99	-2,216.55	3,776.18	3,776.62	3,667.05	109.57	34.467		
9,100.00	7,599.81	7,743.36	7,645.50	87.00	31.01	39.25	-2,216.15	3,776.09	3,730.34	3,620.67	109.67	34.014		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ HELEN 4-6-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 120-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,150.00	7,612.72	7,755.50	7,657.64	86.88	31.04	40.49	-2,215.84	3,776.03	3,682.62	3,572.87	109.75	33.555		
9,200.00	7,622.09	7,763.94	7,666.08	86.72	31.06	43.77	-2,215.63	3,776.01	3,633.81	3,524.01	109.80	33.095		
9,250.00	7,627.87	7,768.62	7,670.76	86.55	31.08	54.09	-2,215.51	3,775.99	3,584.26	3,474.43	109.83	32.635		
9,303.98	7,630.00	7,769.39	7,671.53	86.35	31.08	137.88	-2,215.49	3,775.99	3,530.37	3,420.53	109.84	32.142		
9,400.00	7,630.00	7,766.82	7,668.96	85.99	31.07	137.06	-2,215.55	3,776.00	3,434.40	3,324.57	109.84	31.268		
9,500.00	7,630.00	7,764.15	7,666.29	85.62	31.06	136.18	-2,215.62	3,776.00	3,334.47	3,224.63	109.84	30.359		
9,600.00	7,630.00	7,761.49	7,663.63	85.28	31.06	135.27	-2,215.69	3,776.01	3,234.53	3,124.69	109.84	29.449		
9,700.00	7,630.00	7,758.83	7,660.97	84.95	31.05	134.34	-2,215.76	3,776.02	3,134.60	3,024.76	109.84	28.538		
9,800.00	7,630.00	7,756.17	7,658.31	84.64	31.04	133.38	-2,215.83	3,776.03	3,034.66	2,924.82	109.84	27.628		
9,900.00	7,630.00	7,753.52	7,655.66	84.34	31.04	132.38	-2,215.89	3,776.04	2,934.73	2,824.89	109.84	26.717		
10,000.00	7,630.00	7,750.88	7,653.02	84.06	31.03	131.36	-2,215.96	3,776.05	2,834.81	2,724.96	109.85	25.807		
10,100.00	7,630.00	7,748.24	7,650.38	83.80	31.02	130.31	-2,216.03	3,776.07	2,734.88	2,625.03	109.85	24.896		
10,200.00	7,630.00	7,745.60	7,647.75	83.56	31.01	129.22	-2,216.10	3,776.08	2,634.96	2,525.10	109.86	23.985		
10,300.00	7,630.00	7,742.97	7,645.12	83.33	31.01	128.10	-2,216.16	3,776.09	2,535.04	2,425.17	109.87	23.074		
10,400.00	7,630.00	7,740.35	7,642.49	83.12	31.00	126.95	-2,216.23	3,776.10	2,435.13	2,325.25	109.88	22.162		
10,500.00	7,630.00	7,737.73	7,639.88	82.92	30.99	125.77	-2,216.30	3,776.12	2,335.22	2,225.33	109.89	21.251		
10,600.00	7,630.00	7,735.11	7,637.26	82.75	30.98	124.55	-2,216.36	3,776.13	2,235.31	2,125.41	109.90	20.339		
10,700.00	7,630.00	7,732.50	7,634.65	82.59	30.98	123.29	-2,216.43	3,776.15	2,135.42	2,025.50	109.92	19.428		
10,800.00	7,630.00	7,729.90	7,632.05	82.45	30.97	122.00	-2,216.50	3,776.16	2,035.52	1,925.59	109.93	18.516		
10,900.00	7,630.00	7,727.30	7,629.45	82.33	30.96	120.68	-2,216.56	3,776.18	1,935.64	1,825.69	109.95	17.605		
11,000.00	7,630.00	7,724.70	7,626.86	82.22	30.95	119.32	-2,216.63	3,776.19	1,835.77	1,725.79	109.97	16.693		
11,100.00	7,630.00	7,722.11	7,624.27	82.14	30.95	117.92	-2,216.69	3,776.21	1,735.90	1,625.91	110.00	15.781		
11,200.00	7,630.00	7,719.64	7,621.80	82.08	30.94	116.56	-2,216.75	3,776.23	1,636.05	1,526.03	110.02	14.870		
11,300.00	7,630.00	7,717.25	7,619.40	82.04	30.93	115.20	-2,216.82	3,776.24	1,536.21	1,426.16	110.06	13.958		
11,400.00	7,630.00	7,714.83	7,616.99	82.02	30.93	113.80	-2,216.88	3,776.26	1,436.40	1,326.30	110.10	13.047		
11,500.00	7,630.00	7,712.40	7,614.56	82.03	30.92	112.36	-2,216.94	3,776.28	1,336.60	1,226.46	110.14	12.136		
11,600.00	7,630.00	7,709.96	7,612.11	82.06	30.91	110.88	-2,217.00	3,776.29	1,236.83	1,126.65	110.19	11.225		
11,700.00	7,630.00	7,707.49	7,609.65	82.12	30.91	109.36	-2,217.07	3,776.31	1,137.10	1,026.86	110.25	10.314		
11,800.00	7,630.00	7,705.01	7,607.17	82.21	30.90	107.80	-2,217.13	3,776.33	1,037.42	927.10	110.31	9.404		
11,900.00	7,630.00	7,702.51	7,604.67	82.33	30.89	106.19	-2,217.19	3,776.35	937.79	827.40	110.39	8.495		
12,000.00	7,630.00	7,699.99	7,602.15	82.48	30.89	104.55	-2,217.26	3,776.36	838.25	727.75	110.49	7.587		
12,100.00	7,630.00	7,697.45	7,599.62	82.66	30.88	102.87	-2,217.33	3,776.38	738.82	628.21	110.61	6.680		
12,200.00	7,630.00	7,694.90	7,597.06	82.88	30.87	101.16	-2,217.39	3,776.40	639.55	528.80	110.76	5.774		
12,300.00	7,630.00	7,692.33	7,594.49	83.14	30.86	99.41	-2,217.46	3,776.42	540.55	429.61	110.94	4.873		
12,400.00	7,630.00	7,689.73	7,591.90	83.44	30.86	97.62	-2,217.53	3,776.43	441.98	330.81	111.17	3.976		
12,500.00	7,630.00	7,687.12	7,589.29	83.79	30.85	95.81	-2,217.60	3,776.45	344.21	232.76	111.45	3.088		
12,600.00	7,630.00	7,684.49	7,586.66	84.18	30.84	93.98	-2,217.67	3,776.47	248.20	136.50	111.71	2.222		
12,700.00	7,630.00	7,681.84	7,584.01	84.61	30.83	92.12	-2,217.74	3,776.49	157.21	46.06	111.15	1.414 Level 3		
12,800.00	7,630.00	7,679.17	7,581.34	85.10	30.83	90.24	-2,217.81	3,776.51	88.38	-13.44	101.82	0.868 Level 1, ES		
12,834.58	7,630.00	7,678.25	7,580.42	85.28	30.82	89.59	-2,217.84	3,776.51	81.33	-12.41	93.74	0.868 Level 1, CC, SF		
12,900.00	7,630.00	7,676.49	7,578.66	85.64	30.82	88.35	-2,217.88	3,776.53	104.36	11.69	92.67	1.126 Level 2		
13,000.00	7,630.00	7,673.78	7,575.95	86.22	30.81	86.44	-2,217.96	3,776.55	184.28	82.98	101.30	1.819		
13,100.00	7,630.00	7,671.05	7,573.22	86.86	30.80	84.53	-2,218.03	3,776.57	277.51	172.88	104.62	2.652		
13,200.00	7,630.00	7,668.30	7,570.47	87.56	30.80	82.62	-2,218.10	3,776.59	374.23	268.12	106.11	3.527		
13,300.00	7,630.00	7,665.53	7,567.70	88.30	30.79	80.71	-2,218.18	3,776.61	472.30	365.37	106.93	4.417		
13,400.00	7,630.00	7,662.74	7,564.91	89.10	30.78	78.80	-2,218.26	3,776.63	571.03	463.59	107.44	5.315		
13,500.00	7,630.00	7,659.93	7,562.10	89.94	30.77	76.90	-2,218.33	3,776.65	670.13	562.34	107.78	6.217		
13,600.00	7,630.00	7,657.09	7,559.27	90.84	30.77	75.02	-2,218.41	3,776.67	769.44	661.41	108.03	7.122		
13,700.00	7,630.00	7,654.24	7,556.42	91.78	30.76	73.15	-2,218.49	3,776.69	868.91	760.69	108.22	8.029		
13,800.00	7,630.00	7,651.36	7,553.54	92.77	30.75	71.30	-2,218.57	3,776.71	968.48	860.10	108.37	8.936		
13,900.00	7,630.00	7,648.46	7,550.64	93.79	30.74	69.48	-2,218.65	3,776.73	1,068.12	959.62	108.49	9.845		
14,000.00	7,630.00	7,645.54	7,547.72	94.86	30.73	67.69	-2,218.73	3,776.75	1,167.81	1,059.22	108.60	10.754		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ HELEN 4-6-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 120-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,100.00	7,630.00	7,642.60	7,544.78	95.97	30.73	65.93	-2,218.82	3,776.77	1,267.55	1,158.87	108.68	11.663		
14,200.00	7,630.00	7,639.63	7,541.82	97.11	30.72	64.20	-2,218.90	3,776.79	1,367.32	1,258.57	108.75	12.573		
14,300.00	7,630.00	7,636.64	7,538.83	98.28	30.71	62.50	-2,218.98	3,776.82	1,467.12	1,358.30	108.82	13.482		
14,400.00	7,630.00	7,633.63	7,535.81	99.48	30.70	60.85	-2,219.07	3,776.84	1,566.93	1,458.06	108.87	14.392		
14,500.00	7,630.00	7,630.59	7,532.78	100.72	30.69	59.23	-2,219.16	3,776.86	1,666.76	1,557.84	108.93	15.302		
14,600.00	7,630.00	7,628.00	7,530.19	101.97	30.68	57.89	-2,219.23	3,776.88	1,766.61	1,657.64	108.97	16.212		
14,700.00	7,630.00	7,628.00	7,530.19	103.26	30.68	57.89	-2,219.23	3,776.88	1,866.47	1,757.46	109.01	17.122		
14,800.00	7,630.00	7,623.19	7,525.39	104.56	30.67	55.50	-2,219.37	3,776.92	1,966.34	1,857.29	109.05	18.031		
14,900.00	7,630.00	7,621.04	7,523.24	105.89	30.66	54.48	-2,219.43	3,776.94	2,066.22	1,957.13	109.09	18.941		
15,000.00	7,630.00	7,618.95	7,521.14	107.24	30.66	53.50	-2,219.49	3,776.95	2,166.11	2,056.99	109.12	19.851		
15,100.00	7,630.00	7,616.89	7,519.09	108.60	30.65	52.56	-2,219.54	3,776.97	2,266.00	2,156.85	109.15	20.760		
15,200.00	7,630.00	7,614.89	7,517.09	109.98	30.65	51.67	-2,219.60	3,776.99	2,365.90	2,256.72	109.18	21.669		
15,300.00	7,630.00	7,612.93	7,515.13	111.38	30.64	50.82	-2,219.65	3,777.01	2,465.81	2,356.60	109.21	22.579		
15,400.00	7,630.00	7,611.01	7,513.21	112.79	30.64	50.01	-2,219.70	3,777.03	2,565.73	2,456.49	109.24	23.488		
15,500.00	7,630.00	7,609.14	7,511.34	114.22	30.63	49.23	-2,219.75	3,777.05	2,665.64	2,556.38	109.26	24.396		
15,600.00	7,630.00	7,607.31	7,509.50	115.66	30.62	48.49	-2,219.79	3,777.07	2,765.57	2,656.27	109.29	25.305		
15,700.00	7,630.00	7,605.51	7,507.71	117.11	30.62	47.77	-2,219.84	3,777.09	2,865.49	2,756.18	109.32	26.213		
15,800.00	7,630.00	7,603.75	7,505.96	118.57	30.61	47.09	-2,219.88	3,777.11	2,965.42	2,856.08	109.34	27.121		
15,900.00	7,630.00	7,602.04	7,504.24	120.05	30.61	46.44	-2,219.93	3,777.13	3,065.35	2,955.99	109.37	28.029		
16,000.00	7,630.00	7,600.35	7,502.55	121.53	30.60	45.81	-2,219.97	3,777.15	3,165.29	3,055.90	109.39	28.936		
16,100.00	7,630.00	7,598.70	7,500.91	123.03	30.60	45.20	-2,220.01	3,777.17	3,265.23	3,155.81	109.41	29.843		
16,200.00	7,630.00	7,597.09	7,499.29	124.53	30.59	44.62	-2,220.05	3,777.19	3,365.17	3,255.73	109.44	30.750		
16,300.00	7,630.00	7,595.50	7,497.71	126.04	30.59	44.07	-2,220.08	3,777.21	3,465.11	3,355.65	109.46	31.656		
16,400.00	7,630.00	7,593.95	7,496.16	127.56	30.59	43.53	-2,220.12	3,777.23	3,565.06	3,455.57	109.48	32.563		
16,500.00	7,630.00	7,592.43	7,494.64	129.09	30.58	43.02	-2,220.16	3,777.25	3,665.00	3,555.50	109.51	33.468		
16,600.00	7,630.00	7,590.94	7,493.15	130.62	30.58	42.52	-2,220.19	3,777.28	3,764.95	3,655.42	109.53	34.374		
16,700.00	7,630.00	7,589.48	7,491.69	132.16	30.57	42.04	-2,220.23	3,777.30	3,864.90	3,755.35	109.55	35.279		
16,800.00	7,630.00	7,588.05	7,490.25	133.71	30.57	41.58	-2,220.26	3,777.32	3,964.85	3,855.28	109.58	36.184		
16,900.00	7,630.00	7,586.64	7,488.85	135.27	30.56	41.14	-2,220.29	3,777.34	4,064.81	3,955.21	109.60	37.088		
17,000.00	7,630.00	7,585.26	7,487.47	136.83	30.56	40.71	-2,220.32	3,777.36	4,164.76	4,055.14	109.62	37.992		
17,100.00	7,630.00	7,583.91	7,486.11	138.39	30.56	40.30	-2,220.35	3,777.38	4,264.72	4,155.08	109.64	38.896		
17,200.00	7,630.00	7,582.58	7,484.78	139.97	30.55	39.90	-2,220.38	3,777.40	4,364.68	4,255.01	109.67	39.799		
17,300.00	7,630.00	7,581.27	7,483.48	141.54	30.55	39.51	-2,220.41	3,777.42	4,464.64	4,354.95	109.69	40.702		
17,400.00	7,630.00	7,579.99	7,482.20	143.12	30.55	39.14	-2,220.44	3,777.44	4,564.60	4,454.88	109.71	41.604		
17,500.00	7,630.00	7,578.73	7,480.94	144.71	30.54	38.78	-2,220.46	3,777.46	4,664.56	4,554.82	109.74	42.506		
17,600.00	7,630.00	7,577.50	7,479.71	146.30	30.54	38.43	-2,220.49	3,777.48	4,764.52	4,654.76	109.76	43.408		
17,700.00	7,630.00	7,576.28	7,478.49	147.90	30.53	38.09	-2,220.51	3,777.50	4,864.49	4,754.70	109.79	44.309		
17,800.00	7,630.00	7,575.09	7,477.30	149.50	30.53	37.76	-2,220.54	3,777.52	4,964.45	4,854.64	109.81	45.209		
17,900.00	7,630.00	7,573.92	7,476.13	151.10	30.53	37.44	-2,220.56	3,777.54	5,064.42	4,954.58	109.83	46.110		
18,000.00	7,630.00	7,572.76	7,474.98	152.71	30.52	37.13	-2,220.59	3,777.56	5,164.38	5,054.52	109.86	47.009		
18,100.00	7,630.00	7,571.63	7,473.84	154.32	30.52	36.83	-2,220.61	3,777.58	5,264.35	5,154.47	109.88	47.908		
18,200.00	7,630.00	7,570.52	7,472.73	155.94	30.52	36.54	-2,220.63	3,777.60	5,364.32	5,254.41	109.91	48.807		
18,300.00	7,630.00	7,569.42	7,471.64	157.56	30.51	36.26	-2,220.65	3,777.62	5,464.29	5,354.35	109.93	49.705		
18,400.00	7,630.00	7,568.35	7,470.56	159.18	30.51	35.99	-2,220.67	3,777.63	5,564.26	5,454.30	109.96	50.603		
18,500.00	7,630.00	7,567.29	7,469.50	160.80	30.51	35.72	-2,220.69	3,777.65	5,664.23	5,554.24	109.98	51.500		
18,600.00	7,630.00	7,566.25	7,468.46	162.43	30.51	35.46	-2,220.72	3,777.67	5,764.20	5,654.19	110.01	52.397		
18,700.00	7,630.00	7,565.22	7,467.44	164.06	30.50	35.21	-2,220.73	3,777.69	5,864.17	5,754.13	110.04	53.293		
18,800.00	7,630.00	7,564.22	7,466.43	165.70	30.50	34.97	-2,220.75	3,777.71	5,964.14	5,854.08	110.06	54.189		
18,900.00	7,630.00	7,563.23	7,465.44	167.33	30.50	34.73	-2,220.77	3,777.73	6,064.11	5,954.03	110.09	55.084		
19,000.00	7,630.00	7,562.25	7,464.47	168.97	30.49	34.50	-2,220.79	3,777.75	6,164.09	6,053.97	110.12	55.978		
19,021.79	7,630.00	7,562.04	7,464.25	169.33	30.49	34.45	-2,220.80	3,777.75	6,185.87	6,075.75	110.12	56.173		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ HELEN 8-8-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 91-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	123.91	-3,055.96	4,546.40	5,478.21					
100.00	100.00	48.98	48.98	0.13	0.08	123.91	-3,056.05	4,546.37	5,478.04	5,477.83	0.21	N/A		
200.00	200.00	149.91	149.91	0.49	0.35	123.92	-3,056.64	4,546.13	5,478.17	5,477.32	0.85	6,474.724		
300.00	300.00	207.79	207.78	0.85	0.56	123.92	-3,057.01	4,546.04	5,478.50	5,477.09	1.41	3,883.967		
400.00	400.00	246.07	246.06	1.21	0.69	123.92	-3,057.35	4,546.46	5,479.91	5,478.00	1.90	2,877.254		
500.00	500.00	273.00	272.98	1.57	0.79	123.92	-3,057.65	4,547.03	5,482.47	5,480.11	2.36	2,324.699		
600.00	600.00	316.57	316.52	1.93	0.94	123.91	-3,058.20	4,548.52	5,486.17	5,483.30	2.87	1,911.798		
700.00	700.00	364.00	363.88	2.29	1.11	123.91	-3,058.87	4,551.03	5,491.15	5,487.76	3.39	1,618.657		
800.00	799.98	364.00	363.88	2.64	1.11	62.02	-3,058.87	4,551.03	5,496.53	5,492.78	3.74	1,467.711		
900.00	899.84	405.72	405.49	2.99	1.27	61.94	-3,059.60	4,554.11	5,501.48	5,497.24	4.24	1,296.823		
1,000.00	999.45	455.00	454.51	3.35	1.45	61.88	-3,060.78	4,558.89	5,506.39	5,501.62	4.77	1,154.468		
1,100.00	1,098.70	455.00	454.51	3.73	1.45	61.81	-3,060.78	4,558.89	5,510.64	5,505.51	5.13	1,074.170		
1,200.00	1,197.47	779.22	775.39	4.11	2.71	61.99	-3,054.90	4,594.78	5,510.09	5,503.38	6.71	821.400		
1,213.40	1,210.66	779.93	776.08	4.17	2.72	61.99	-3,054.85	4,594.87	5,509.91	5,503.14	6.76	814.665		
1,300.00	1,295.62	824.00	819.44	4.53	2.88	62.05	-3,054.63	4,602.57	5,511.47	5,504.21	7.27	758.319		
1,400.00	1,393.06	824.00	819.44	4.97	2.88	62.08	-3,054.63	4,602.57	5,509.58	5,501.90	7.68	716.959		
1,500.00	1,489.64	824.00	819.44	5.44	2.88	62.11	-3,054.63	4,602.57	5,507.87	5,499.74	8.13	677.615		
1,600.00	1,585.27	824.00	819.44	5.95	2.88	62.14	-3,054.63	4,602.57	5,506.34	5,497.74	8.60	639.976		
1,700.00	1,679.82	824.00	819.44	6.51	2.88	62.16	-3,054.63	4,602.57	5,505.00	5,495.88	9.12	603.856		
1,800.00	1,773.17	824.00	819.44	7.13	2.88	62.18	-3,054.63	4,602.57	5,503.84	5,494.17	9.67	569.161		
1,900.00	1,865.21	824.00	819.44	7.79	2.88	62.20	-3,054.63	4,602.57	5,502.87	5,492.60	10.27	535.864		
2,000.00	1,955.84	824.00	819.44	8.51	2.88	62.22	-3,054.63	4,602.57	5,502.09	5,491.17	10.92	503.980		
2,100.00	2,044.94	824.00	819.44	9.30	2.88	62.23	-3,054.63	4,602.57	5,501.50	5,489.88	11.62	473.543		
2,200.00	2,132.39	867.21	861.44	10.15	3.10	62.40	-3,056.97	4,612.45	5,500.64	5,488.09	12.55	438.306		
2,300.00	2,218.11	919.00	911.53	11.07	3.35	62.62	-3,059.66	4,625.31	5,499.50	5,485.91	13.58	404.845		
2,400.00	2,301.97	919.00	911.53	12.06	3.35	62.65	-3,059.66	4,625.31	5,497.90	5,483.44	14.46	380.290		
2,500.00	2,383.88	957.90	948.96	13.11	3.56	62.85	-3,061.78	4,635.68	5,496.05	5,480.47	15.57	352.954		
2,512.74	2,394.17	961.22	952.15	13.25	3.58	62.87	-3,061.97	4,636.60	5,495.80	5,480.09	15.71	349.824		
2,600.00	2,464.54	1,013.00	1,001.65	14.22	3.85	63.10	-3,065.28	4,651.40	5,494.91	5,478.10	16.80	327.001		
2,665.83	2,517.62	1,013.00	1,001.65	14.97	3.85	63.10	-3,065.28	4,651.40	5,494.51	5,477.05	17.46	314.636		
2,700.00	2,545.18	1,013.00	1,001.65	15.35	3.85	63.10	-3,065.28	4,651.40	5,494.62	5,476.81	17.81	308.592		
2,800.00	2,625.82	1,013.00	1,001.65	16.50	3.85	63.10	-3,065.28	4,651.40	5,496.15	5,477.33	18.82	292.080		
2,900.00	2,706.45	1,060.59	1,046.85	17.65	4.14	63.32	-3,068.93	4,665.85	5,498.76	5,478.69	20.07	273.943		
3,000.00	2,787.09	1,107.00	1,090.64	18.82	4.42	63.53	-3,073.22	4,680.62	5,503.09	5,481.75	21.34	257.923		
3,100.00	2,867.73	1,107.00	1,090.64	19.99	4.42	63.53	-3,073.22	4,680.62	5,508.53	5,486.16	22.37	246.273		
3,200.00	2,948.37	1,160.05	1,140.39	21.17	4.77	63.76	-3,078.42	4,698.27	5,515.28	5,491.59	23.69	232.819		
3,300.00	3,029.01	1,214.00	1,190.73	22.36	5.12	63.99	-3,083.48	4,717.01	5,523.08	5,498.06	25.02	220.724		
3,400.00	3,109.65	1,276.07	1,248.48	23.55	5.56	64.26	-3,089.35	4,738.99	5,531.75	5,505.33	26.42	209.385		
3,500.00	3,190.29	1,365.53	1,331.69	24.74	6.19	64.64	-3,098.11	4,770.64	5,540.94	5,512.95	27.99	197.960		
3,600.00	3,270.93	1,463.22	1,422.45	25.94	6.90	65.05	-3,106.90	4,805.72	5,550.31	5,520.68	29.63	187.303		
3,700.00	3,351.57	1,532.29	1,486.51	27.14	7.42	65.34	-3,112.77	4,830.84	5,560.04	5,528.92	31.12	178.686		
3,800.00	3,432.21	1,591.00	1,540.83	28.35	7.86	65.58	-3,117.97	4,852.52	5,570.61	5,538.06	32.54	171.174		
3,900.00	3,512.85	1,668.56	1,612.46	29.56	8.46	65.89	-3,125.00	4,881.41	5,581.84	5,547.74	34.10	163.672		
4,000.00	3,593.49	1,810.86	1,744.13	30.76	9.56	66.47	-3,137.22	4,933.98	5,592.72	5,556.62	36.11	154.891		
4,100.00	3,674.13	1,874.00	1,802.53	31.97	10.04	66.72	-3,142.70	4,957.33	5,604.05	5,566.45	37.60	149.062		
4,200.00	3,754.77	4,200.00	1,943.99	33.19	27.74	67.34	-3,156.53	5,012.87	5,615.63	5,564.40	51.23	109.607		
4,300.00	3,835.41	2,158.00	2,066.63	34.40	12.20	67.88	-3,167.51	5,058.72	5,625.63	5,583.98	41.66	135.050		
4,400.00	3,916.05	2,209.67	2,114.76	35.62	12.60	68.09	-3,171.66	5,077.06	5,636.45	5,593.35	43.09	130.794		
4,500.00	3,996.69	2,252.00	2,153.97	36.83	12.93	68.26	-3,175.20	5,092.61	5,648.46	5,603.99	44.47	127.028		
4,600.00	4,077.33	2,377.52	2,270.28	38.05	13.91	68.76	-3,185.77	5,138.60	5,660.71	5,614.27	46.44	121.896		
4,700.00	4,157.96	2,459.49	2,346.24	39.27	14.55	69.08	-3,192.63	5,168.64	5,673.21	5,625.10	48.11	117.928		
4,800.00	4,238.60	2,561.30	2,440.80	40.49	15.34	69.48	-3,201.16	5,205.39	5,685.59	5,635.66	49.93	113.877		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ HELEN 8-8-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 91-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,900.00	4,319.24	2,604.72	2,481.03	41.71	15.68	69.66	-3,204.93	5,221.29	5,698.82	5,647.49	51.33	111.034		
5,000.00	4,399.88	2,656.34	2,528.67	42.93	16.09	69.86	-3,209.56	5,240.63	5,713.05	5,660.26	52.79	108.232		
5,100.00	4,480.52	2,724.00	2,590.91	44.15	16.64	70.11	-3,215.66	5,266.45	5,728.04	5,673.66	54.37	105.349		
5,200.00	4,561.16	2,803.22	2,663.66	45.37	17.29	70.41	-3,222.88	5,296.94	5,743.56	5,687.50	56.06	102.461		
5,300.00	4,641.80	2,939.15	2,788.80	46.59	18.40	70.93	-3,235.13	5,348.58	5,758.89	5,700.70	58.19	98.962		
5,400.00	4,722.44	3,007.00	2,851.34	47.82	18.95	71.19	-3,241.40	5,374.15	5,774.45	5,714.65	59.80	96.570		
5,500.00	4,803.08	3,079.29	2,917.86	49.04	19.54	71.47	-3,248.20	5,401.63	5,790.59	5,729.15	61.44	94.250		
5,600.00	4,883.72	3,140.31	2,973.87	50.27	20.05	71.69	-3,253.89	5,425.17	5,807.30	5,744.31	63.00	92.186		
5,700.00	4,964.36	3,209.00	3,039.09	51.49	21.55	72.07	-3,263.42	5,466.09	5,824.61	5,744.48	65.13	90.133		
5,800.00	5,045.00	3,352.89	3,168.55	52.71	21.82	72.47	-3,272.83	5,508.40	5,841.52	5,774.63	66.89	87.334		
5,900.00	5,125.64	3,461.85	3,268.70	53.94	22.72	72.87	-3,283.11	5,550.07	5,858.79	5,789.94	68.86	85.087		
6,000.00	5,206.28	3,570.57	3,368.90	55.17	23.61	73.27	-3,293.18	5,591.03	5,875.78	5,804.95	70.83	82.959		
6,100.00	5,286.92	3,606.44	3,401.86	56.39	23.91	73.40	-3,296.41	5,604.83	5,893.31	5,821.12	72.19	81.636		
6,200.00	5,367.56	3,640.00	3,432.54	57.62	24.19	73.52	-3,299.58	5,618.04	5,911.96	5,838.44	73.52	80.409		
6,300.00	5,448.20	3,816.64	3,594.07	58.84	25.68	74.15	-3,316.10	5,687.58	5,930.84	5,854.72	76.13	77.908		
6,400.00	5,528.84	3,908.39	3,678.58	60.07	26.43	74.48	-3,325.07	5,722.14	5,949.10	5,871.13	77.97	76.298		
6,500.00	5,609.47	4,026.07	3,787.15	61.30	27.38	74.92	-3,336.55	5,766.08	5,967.38	5,887.34	80.05	74.550		
6,600.00	5,690.11	4,150.23	3,901.69	62.53	28.39	75.36	-3,347.66	5,812.70	5,985.41	5,903.23	82.18	72.829		
6,700.00	5,770.75	4,267.09	4,009.80	63.75	29.33	75.78	-3,357.59	5,855.93	6,002.92	5,918.66	84.26	71.242		
6,800.00	5,851.39	4,329.00	4,067.07	64.98	29.82	76.00	-3,363.16	5,878.78	6,021.01	5,935.15	85.86	70.125		
6,900.00	5,932.03	4,392.10	4,125.35	66.21	30.33	76.23	-3,369.09	5,902.23	6,039.77	5,952.30	87.47	69.050		
7,000.00	6,012.67	4,455.21	4,183.60	67.44	30.84	76.46	-3,375.02	5,926.26	6,058.49	5,969.42	89.08	67.933		
7,100.00	6,093.31	4,518.36	4,241.75	68.66	31.35	76.69	-3,381.00	5,950.29	6,077.21	5,990.15	90.69	66.816		
7,200.00	6,173.95	4,581.51	4,300.00	69.89	31.86	76.92	-3,387.03	5,974.32	6,095.94	6,010.88	92.30	65.699		
7,300.00	6,254.59	4,644.66	4,358.25	71.12	32.37	77.15	-3,393.11	5,998.35	6,120.69	6,031.61	93.91	64.582		
7,400.00	6,335.23	4,707.81	4,416.50	72.35	32.88	77.38	-3,399.24	6,022.38	6,145.44	6,052.34	95.52	63.465		
7,500.00	6,415.87	4,770.96	4,474.75	73.58	33.39	77.61	-3,405.37	6,046.41	6,169.19	6,073.07	97.13	62.348		
7,600.00	6,496.51	4,834.11	4,533.00	74.81	33.90	77.84	-3,411.50	6,070.44	6,192.92	6,094.80	98.74	61.231		
7,700.00	6,577.15	4,897.26	4,591.25	76.04	34.41	78.07	-3,417.63	6,094.47	6,216.65	6,116.53	100.35	60.114		
7,800.00	6,657.79	4,960.41	4,649.50	77.27	34.92	78.30	-3,423.76	6,118.50	6,240.38	6,138.26	101.96	58.997		
7,900.00	6,738.43	5,023.56	4,707.75	78.50	35.43	78.53	-3,429.89	6,142.53	6,264.11	6,161.99	103.57	57.880		
8,000.00	6,819.07	5,086.71	4,766.00	79.73	35.94	78.76	-3,436.02	6,166.56	6,287.84	6,183.72	105.18	56.763		
8,100.00	6,899.71	5,149.86	4,824.25	80.96	36.45	78.99	-3,442.15	6,190.59	6,311.57	6,205.45	106.79	55.646		
8,200.00	6,980.35	5,213.01	4,882.50	82.18	36.96	79.22	-3,448.28	6,214.62	6,335.30	6,227.18	108.40	54.529		
8,240.58	7,013.07	5,246.73	4,916.22	82.68	37.19	79.34	-3,449.84	6,221.16	6,341.84	6,233.72	108.91	54.242		
8,250.00	7,020.68	5,254.34	4,923.83	82.80	37.31	79.36	-3,449.89	6,221.69	6,342.37	6,234.25	108.96	54.197		
8,300.00	7,061.63	5,295.29	4,964.78	83.40	37.82	79.59	-3,444.36	6,273.21	6,384.79	6,276.69	110.57	53.080		
8,350.00	7,103.23	5,336.24	5,005.73	83.97	38.33	79.82	-3,444.17	6,273.26	6,384.84	6,276.74	110.58	53.075		
8,400.00	7,145.18	5,377.19	5,046.68	84.51	38.84	80.05	-3,444.07	6,273.26	6,384.84	6,276.74	110.58	53.075		
8,450.00	7,187.16	5,418.14	5,087.63	85.01	39.35	80.28	-3,444.05	6,273.18	6,384.76	6,276.66	110.56	53.073		
8,500.00	7,228.84	5,459.09	5,128.58	85.46	39.86	80.51	-3,443.65	6,272.67	6,384.25	6,276.15	110.51	53.018		
8,550.00	7,269.91	5,500.04	5,169.53	85.86	40.37	80.74	-3,441.92	6,271.21	6,382.79	6,274.69	110.46	52.963		
8,600.00	7,310.05	5,540.99	5,210.48	86.20	40.88	80.97	-3,440.35	6,270.43	6,381.01	6,272.91	110.41	52.908		
8,650.00	7,348.97	5,581.94	5,251.43	86.50	41.39	81.20	-3,439.46	6,270.02	6,380.40	6,272.30	110.40	52.903		
8,700.00	7,386.36	5,622.89	5,292.38	86.74	41.90	81.43	-3,438.71	6,269.70	6,379.78	6,271.68	110.39	52.898		
8,750.00	7,421.94	5,663.84	5,333.33	86.93	42.41	81.66	-3,438.71	6,269.70	6,379.78	6,271.68	110.39	52.898		
8,800.00	7,455.44	5,704.79	5,374.28	87.07	42.92	81.89	-3,438.71	6,269.70	6,379.78	6,271.68	110.39	52.898		
8,850.00	7,486.61	5,745.74	5,415.23	87.16	43.43	82.12	-3,438.71	6,269.70	6,379.78	6,271.68	110.39	52.898		
8,900.00	7,515.20	5,786.69	5,456.18	87.20	43.94	82.35	-3,437.97	6,269.48	6,378.56	6,270.46	110.38	52.893		
8,950.00	7,541.00	5,827.64	5,497.13	87.21	44.45	82.58	-3,437.89	6,269.48	6,378.48	6,270.38	110.38	52.892		
9,000.00	7,563.81	5,868.59	5,538.08	87.17	44.96	82.81	-3,437.82	6,269.49	6,378.49	6,270.39	110.38	52.892		
9,050.00	7,583.47	5,909.54	5,579.03	87.10	45.47	83.04	-3,437.78	6,269.52	6,378.52	6,270.42	110.38	52.892		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ HELEN 8-8-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 91-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,100.00	7,599.81	7,886.15	7,561.88	87.00	42.80	-42.27	-3,437.76	6,269.54	5,509.29	5,384.86	124.43	44.275		
9,150.00	7,612.72	7,918.00	7,593.74	86.88	42.87	-55.96	-3,437.78	6,269.87	5,463.19	5,338.91	124.28	43.959		
9,200.00	7,622.09	7,918.00	7,593.74	86.72	42.87	-68.76	-3,437.78	6,269.87	5,416.84	5,292.81	124.02	43.675		
9,250.00	7,627.87	7,918.00	7,593.74	86.55	42.87	-80.15	-3,437.78	6,269.87	5,370.90	5,247.17	123.73	43.408		
9,303.98	7,630.00	7,918.00	7,593.74	86.35	42.87	-90.23	-3,437.78	6,269.87	5,322.20	5,198.82	123.38	43.138		
9,400.00	7,630.00	7,918.00	7,593.74	85.99	42.87	-90.23	-3,437.78	6,269.87	5,236.82	5,114.12	122.70	42.679		
9,500.00	7,630.00	7,918.00	7,593.74	85.62	42.87	-90.23	-3,437.78	6,269.87	5,148.31	5,026.33	121.98	42.206		
9,600.00	7,630.00	7,918.00	7,593.74	85.28	42.87	-90.23	-3,437.78	6,269.87	5,060.22	4,938.99	121.23	41.741		
9,700.00	7,630.00	7,918.00	7,593.74	84.95	42.87	-90.23	-3,437.78	6,269.87	4,972.59	4,852.13	120.46	41.282		
9,800.00	7,630.00	7,918.00	7,593.74	84.64	42.87	-90.23	-3,437.78	6,269.87	4,885.43	4,765.77	119.65	40.830		
9,900.00	7,630.00	7,918.00	7,593.74	84.34	42.87	-90.23	-3,437.78	6,269.87	4,798.77	4,679.94	118.82	40.385		
10,000.00	7,630.00	7,918.00	7,593.74	84.06	42.87	-90.23	-3,437.78	6,269.87	4,712.64	4,594.67	117.97	39.949		
10,100.00	7,630.00	7,918.00	7,593.74	83.80	42.87	-90.23	-3,437.78	6,269.87	4,627.06	4,509.98	117.08	39.520		
10,200.00	7,630.00	7,918.00	7,593.74	83.56	42.87	-90.23	-3,437.78	6,269.87	4,542.08	4,425.91	116.16	39.101		
10,300.00	7,630.00	7,918.00	7,593.74	83.33	42.87	-90.23	-3,437.78	6,269.87	4,457.72	4,342.50	115.22	38.690		
10,400.00	7,630.00	7,918.00	7,593.74	83.12	42.87	-90.23	-3,437.78	6,269.87	4,374.02	4,259.78	114.24	38.289		
10,500.00	7,630.00	7,918.00	7,593.74	82.92	42.87	-90.23	-3,437.78	6,269.87	4,291.01	4,177.79	113.23	37.898		
10,600.00	7,630.00	7,918.00	7,593.74	82.75	42.87	-90.23	-3,437.78	6,269.87	4,208.75	4,096.56	112.18	37.517		
10,700.00	7,630.00	7,918.00	7,593.74	82.59	42.87	-90.23	-3,437.78	6,269.87	4,127.27	4,016.16	111.11	37.146		
10,800.00	7,630.00	7,918.00	7,593.74	82.45	42.87	-90.23	-3,437.78	6,269.87	4,046.62	3,936.61	110.00	36.786		
10,900.00	7,630.00	7,918.00	7,593.74	82.33	42.87	-90.23	-3,437.78	6,269.87	3,966.85	3,857.98	108.87	36.438		
11,000.00	7,630.00	7,918.00	7,593.74	82.22	42.87	-90.23	-3,437.78	6,269.87	3,888.01	3,780.32	107.70	36.101		
11,100.00	7,630.00	7,918.00	7,593.74	82.14	42.87	-90.23	-3,437.78	6,269.87	3,810.17	3,703.67	106.50	35.775		
11,200.00	7,630.00	7,918.00	7,593.74	82.08	42.87	-90.23	-3,437.78	6,269.87	3,733.39	3,628.11	105.28	35.461		
11,300.00	7,630.00	7,918.00	7,593.74	82.04	42.87	-90.23	-3,437.78	6,269.87	3,657.73	3,553.69	104.04	35.158		
11,400.00	7,630.00	7,918.00	7,593.74	82.02	42.87	-90.23	-3,437.78	6,269.87	3,583.26	3,480.48	102.77	34.865		
11,500.00	7,630.00	7,918.00	7,593.74	82.03	42.87	-90.23	-3,437.78	6,269.87	3,510.06	3,408.56	101.50	34.582		
11,600.00	7,630.00	7,918.00	7,593.74	82.06	42.87	-90.23	-3,437.78	6,269.87	3,438.21	3,337.99	100.22	34.308		
11,700.00	7,630.00	7,893.74	7,569.47	82.12	42.82	-89.66	-3,437.73	6,269.60	3,367.58	3,268.63	98.95	34.033		
11,800.00	7,630.00	7,893.65	7,569.39	82.21	42.82	-89.65	-3,437.73	6,269.60	3,298.70	3,201.01	97.69	33.767		
11,900.00	7,630.00	7,893.56	7,569.30	82.33	42.82	-89.65	-3,437.73	6,269.59	3,231.44	3,134.99	96.45	33.504		
12,000.00	7,630.00	7,893.47	7,569.21	82.48	42.82	-89.65	-3,437.73	6,269.59	3,165.91	3,070.66	95.25	33.238		
12,100.00	7,630.00	7,893.38	7,569.12	82.66	42.82	-89.65	-3,437.73	6,269.59	3,102.22	3,008.11	94.11	32.965		
12,200.00	7,630.00	7,893.29	7,569.02	82.88	42.82	-89.64	-3,437.73	6,269.59	3,040.48	2,947.44	93.04	32.681		
12,300.00	7,630.00	7,893.19	7,568.93	83.14	42.82	-89.64	-3,437.73	6,269.59	2,980.82	2,888.76	92.06	32.378		
12,400.00	7,630.00	7,893.09	7,568.83	83.44	42.82	-89.64	-3,437.73	6,269.59	2,923.37	2,832.16	91.21	32.051		
12,500.00	7,630.00	7,892.99	7,568.72	83.79	42.82	-89.64	-3,437.73	6,269.59	2,868.25	2,777.75	90.50	31.693		
12,600.00	7,630.00	7,892.88	7,568.62	84.18	42.82	-89.64	-3,437.73	6,269.59	2,815.61	2,725.64	89.97	31.296		
12,700.00	7,630.00	7,892.77	7,568.50	84.61	42.82	-89.63	-3,437.73	6,269.59	2,765.58	2,675.95	89.63	30.855		
12,800.00	7,630.00	7,892.65	7,568.39	85.10	42.82	-89.63	-3,437.73	6,269.59	2,718.31	2,628.78	89.53	30.363		
12,900.00	7,630.00	7,892.54	7,568.27	85.64	42.82	-89.63	-3,437.73	6,269.59	2,673.95	2,584.28	89.67	29.819		
13,000.00	7,630.00	7,892.41	7,568.15	86.22	42.82	-89.62	-3,437.73	6,269.59	2,632.64	2,542.55	90.09	29.222		
13,100.00	7,630.00	7,892.29	7,568.03	86.86	42.82	-89.62	-3,437.73	6,269.58	2,594.52	2,503.73	90.80	28.575		
13,200.00	7,630.00	7,892.16	7,567.90	87.56	42.82	-89.62	-3,437.73	6,269.58	2,559.75	2,467.95	91.81	27.882		
13,300.00	7,630.00	7,892.02	7,567.76	88.30	42.82	-89.61	-3,437.73	6,269.58	2,528.46	2,435.34	93.12	27.154		
13,400.00	7,630.00	7,891.88	7,567.62	89.10	42.82	-89.61	-3,437.73	6,269.58	2,500.78	2,406.05	94.73	26.400		
13,500.00	7,630.00	7,891.74	7,567.48	89.94	42.82	-89.61	-3,437.74	6,269.58	2,476.83	2,380.21	96.62	25.634		
13,600.00	7,630.00	7,891.59	7,567.33	90.84	42.82	-89.60	-3,437.74	6,269.58	2,456.72	2,357.93	98.79	24.869		
13,700.00	7,630.00	7,891.43	7,567.17	91.78	42.82	-89.60	-3,437.74	6,269.58	2,440.54	2,339.34	101.20	24.117		
13,800.00	7,630.00	7,891.27	7,567.01	92.77	42.82	-89.60	-3,437.74	6,269.58	2,428.38	2,324.55	103.82	23.390		
13,900.00	7,630.00	7,891.10	7,566.84	93.79	42.81	-89.59	-3,437.74	6,269.58	2,420.29	2,313.66	106.63	22.698		
14,000.00	7,630.00	7,890.93	7,566.66	94.86	42.81	-89.59	-3,437.74	6,269.57	2,416.31	2,306.73	109.59	22.050		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST HZ HELEN 8-8-23 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 91-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,046.10	7,630.00	7,890.84	7,566.58	95.37	42.81	-89.59	-3,437.74	6,269.57	2,415.87	2,304.89	110.99	21.767	CC	
14,100.00	7,630.00	7,890.75	7,566.48	95.97	42.81	-89.58	-3,437.74	6,269.57	2,416.48	2,303.83	112.65	21.451	ES	
14,200.00	7,630.00	7,890.56	7,566.29	97.11	42.81	-89.58	-3,437.74	6,269.57	2,420.77	2,304.99	115.79	20.907		
14,300.00	7,630.00	7,890.36	7,566.09	98.28	42.81	-89.58	-3,437.74	6,269.57	2,429.18	2,310.22	118.96	20.421		
14,400.00	7,630.00	7,890.15	7,565.89	99.48	42.81	-89.57	-3,437.74	6,269.57	2,441.66	2,319.53	122.13	19.992		
14,500.00	7,630.00	7,889.93	7,565.67	100.72	42.81	-89.57	-3,437.74	6,269.57	2,458.14	2,332.87	125.27	19.622		
14,600.00	7,630.00	7,889.71	7,565.45	101.97	42.81	-89.56	-3,437.74	6,269.57	2,478.56	2,350.20	128.36	19.309		
14,700.00	7,630.00	7,889.47	7,565.21	103.26	42.81	-89.55	-3,437.74	6,269.56	2,502.81	2,371.44	131.36	19.053		
14,800.00	7,630.00	7,889.23	7,564.96	104.56	42.81	-89.55	-3,437.74	6,269.56	2,530.77	2,396.51	134.26	18.849		
14,900.00	7,630.00	7,888.97	7,564.70	105.89	42.81	-89.54	-3,437.74	6,269.56	2,562.34	2,425.29	137.05	18.697		
15,000.00	7,630.00	7,888.69	7,564.43	107.24	42.81	-89.54	-3,437.74	6,269.56	2,597.38	2,457.68	139.70	18.593		
15,100.00	7,630.00	7,888.41	7,564.14	108.60	42.81	-89.53	-3,437.75	6,269.56	2,635.74	2,493.53	142.21	18.534		
15,200.00	7,630.00	7,888.10	7,563.84	109.98	42.81	-89.52	-3,437.75	6,269.56	2,677.30	2,532.72	144.58	18.518	SF	
15,300.00	7,630.00	7,887.78	7,563.52	111.38	42.81	-89.51	-3,437.75	6,269.55	2,721.89	2,575.10	146.80	18.542		
15,400.00	7,630.00	7,887.45	7,563.18	112.79	42.81	-89.51	-3,437.75	6,269.55	2,769.38	2,620.51	148.87	18.603		
15,500.00	7,630.00	7,887.09	7,562.83	114.22	42.81	-89.50	-3,437.75	6,269.55	2,819.62	2,668.82	150.80	18.698		
15,600.00	7,630.00	7,886.71	7,562.45	115.66	42.81	-89.49	-3,437.75	6,269.55	2,872.46	2,719.88	152.58	18.826		
15,700.00	7,630.00	7,886.31	7,562.05	117.11	42.80	-89.48	-3,437.75	6,269.54	2,927.77	2,773.54	154.23	18.983		
15,800.00	7,630.00	7,885.89	7,561.63	118.57	42.80	-89.47	-3,437.76	6,269.54	2,985.40	2,829.65	155.75	19.168		
15,900.00	7,630.00	7,885.44	7,561.17	120.05	42.80	-89.46	-3,437.76	6,269.54	3,045.22	2,888.08	157.14	19.379		
16,000.00	7,630.00	7,884.95	7,560.69	121.53	42.80	-89.45	-3,437.76	6,269.54	3,107.11	2,948.69	158.42	19.614		
16,100.00	7,630.00	7,884.43	7,560.17	123.03	42.80	-89.43	-3,437.76	6,269.53	3,170.95	3,011.37	159.58	19.870		
16,200.00	7,630.00	7,883.88	7,559.62	124.53	42.80	-89.42	-3,437.77	6,269.53	3,236.62	3,075.97	160.65	20.147		
16,300.00	7,630.00	7,883.28	7,559.02	126.04	42.80	-89.41	-3,437.77	6,269.53	3,304.01	3,142.39	161.61	20.444		
16,400.00	7,630.00	7,882.64	7,558.38	127.56	42.80	-89.39	-3,437.77	6,269.52	3,373.02	3,210.52	162.49	20.758		
16,500.00	7,630.00	7,881.95	7,557.68	129.09	42.79	-89.38	-3,437.78	6,269.52	3,443.55	3,280.25	163.29	21.088		
16,600.00	7,630.00	7,881.19	7,556.93	130.62	42.79	-89.36	-3,437.78	6,269.52	3,515.51	3,351.49	164.01	21.434		
16,700.00	7,630.00	7,880.37	7,556.11	132.16	42.79	-89.34	-3,437.79	6,269.51	3,588.81	3,424.14	164.67	21.794		
16,800.00	7,630.00	7,879.48	7,555.21	133.71	42.79	-89.32	-3,437.79	6,269.51	3,663.38	3,498.12	165.26	22.168		
16,900.00	7,630.00	7,878.49	7,554.23	135.27	42.79	-89.29	-3,437.80	6,269.51	3,739.13	3,573.34	165.79	22.554		
17,000.00	7,630.00	7,877.41	7,553.15	136.83	42.78	-89.27	-3,437.81	6,269.50	3,816.00	3,649.74	166.26	22.951		
17,100.00	7,630.00	7,876.22	7,551.95	138.39	42.78	-89.24	-3,437.82	6,269.50	3,893.92	3,727.23	166.69	23.360		
17,200.00	7,630.00	7,874.88	7,550.62	139.97	42.78	-89.21	-3,437.83	6,269.49	3,972.83	3,805.75	167.08	23.779		
17,300.00	7,630.00	7,873.39	7,549.13	141.54	42.78	-89.17	-3,437.84	6,269.49	4,052.67	3,885.25	167.42	24.207		
17,400.00	7,630.00	7,871.71	7,547.45	143.12	42.77	-89.13	-3,437.86	6,269.48	4,133.39	3,965.66	167.73	24.644		
17,500.00	7,630.00	7,869.80	7,545.54	144.71	42.77	-89.09	-3,437.87	6,269.48	4,214.93	4,046.93	168.00	25.089		
17,600.00	7,630.00	7,867.61	7,543.35	146.30	42.76	-89.04	-3,437.90	6,269.48	4,297.26	4,129.01	168.24	25.542		
17,700.00	7,630.00	7,865.07	7,540.81	147.90	42.76	-88.98	-3,437.93	6,269.48	4,380.31	4,211.86	168.46	26.003		
17,800.00	7,630.00	7,862.11	7,537.85	149.50	42.75	-88.91	-3,437.96	6,269.48	4,464.07	4,295.42	168.65	26.470		
17,900.00	7,630.00	7,858.59	7,534.32	151.10	42.74	-88.82	-3,438.01	6,269.48	4,548.47	4,379.66	168.81	26.944		
18,000.00	7,630.00	7,854.34	7,530.08	152.71	42.73	-88.72	-3,438.07	6,269.49	4,633.50	4,464.54	168.96	27.423		
18,100.00	7,630.00	7,849.11	7,524.85	154.32	42.72	-88.60	-3,438.15	6,269.50	4,719.12	4,550.02	169.09	27.909		
18,200.00	7,630.00	7,842.53	7,518.27	155.94	42.71	-88.44	-3,438.27	6,269.54	4,805.28	4,636.08	169.20	28.399		
18,300.00	7,630.00	7,833.99	7,509.73	157.56	42.69	-88.24	-3,438.45	6,269.59	4,891.97	4,722.67	169.31	28.894		
18,400.00	7,630.00	7,822.90	7,498.64	159.18	42.67	-87.98	-3,438.71	6,269.70	4,979.16	4,809.76	169.40	29.393		
18,500.00	7,630.00	7,820.35	7,496.10	160.80	42.66	-87.92	-3,438.78	6,269.73	5,066.81	4,897.35	169.46	29.900		
18,600.00	7,630.00	7,817.80	7,493.55	162.43	42.65	-87.86	-3,438.85	6,269.75	5,154.91	4,985.40	169.51	30.411		
18,700.00	7,630.00	7,815.24	7,490.99	164.06	42.65	-87.80	-3,438.91	6,269.78	5,243.44	5,073.89	169.55	30.926		
18,800.00	7,630.00	7,812.68	7,488.43	165.70	42.64	-87.73	-3,438.98	6,269.81	5,332.38	5,162.80	169.58	31.445		
18,900.00	7,630.00	7,810.11	7,485.86	167.33	42.64	-87.67	-3,439.04	6,269.84	5,421.69	5,252.09	169.60	31.967		
19,000.00	7,630.00	7,807.54	7,483.29	168.97	42.63	-87.61	-3,439.11	6,269.87	5,511.38	5,341.76	169.62	32.493		
19,021.79	7,630.00	7,806.98	7,482.73	169.33	42.63	-87.60	-3,439.12	6,269.87	5,530.96	5,361.35	169.62	32.609		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST VERT BURY CRANDELL C UNIT 1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	81.88	772.15	5,415.08	5,470.58					
100.00	100.00	11.00	11.00	0.13	0.09	81.88	772.15	5,415.08	5,469.86	5,469.64	0.22	N/A		
200.00	200.00	111.00	111.00	0.49	0.97	81.88	772.15	5,415.08	5,469.86	5,468.40	1.46	3,742.486		
300.00	300.00	211.00	211.00	0.85	2.71	81.88	772.15	5,415.08	5,469.86	5,466.29	3.57	1,534.168		
400.00	400.00	311.00	311.00	1.21	4.46	81.88	772.15	5,415.08	5,469.86	5,464.19	5.67	964.845		
500.00	500.00	411.00	411.00	1.57	6.20	81.88	772.15	5,415.08	5,469.86	5,462.08	7.77	703.703		
600.00	600.00	511.00	511.00	1.93	7.95	81.88	772.15	5,415.08	5,469.86	5,459.98	9.88	553.811		
700.00	700.00	611.00	611.00	2.29	9.70	81.88	772.15	5,415.08	5,469.86	5,457.88	11.98	456.561		
800.00	799.98	710.98	710.98	2.64	11.44	20.12	772.15	5,415.08	5,468.22	5,454.14	14.08	388.377		
900.00	899.84	810.84	810.84	2.99	13.18	20.17	772.15	5,415.08	5,463.30	5,447.13	16.18	337.754		
1,000.00	999.45	910.45	910.45	3.35	14.92	20.26	772.15	5,415.08	5,455.12	5,436.85	18.27	298.593		
1,100.00	1,098.70	1,009.70	1,009.70	3.73	16.65	20.38	772.15	5,415.08	5,443.68	5,423.32	20.36	267.374		
1,200.00	1,197.47	1,108.47	1,108.47	4.11	18.38	20.54	772.15	5,415.08	5,429.01	5,406.56	22.45	241.880		
1,300.00	1,295.62	1,206.62	1,206.62	4.53	20.09	20.74	772.15	5,415.08	5,411.11	5,386.59	24.52	220.648		
1,400.00	1,393.06	1,304.06	1,304.06	4.97	21.79	20.98	772.15	5,415.08	5,390.02	5,363.43	26.59	202.671		
1,500.00	1,489.64	1,400.64	1,400.64	5.44	23.48	21.26	772.15	5,415.08	5,365.77	5,337.12	28.66	187.236		
1,600.00	1,585.27	1,503.73	1,496.27	5.95	25.28	21.58	772.15	5,415.08	5,338.40	5,307.56	30.84	173.090		
1,700.00	1,679.82	1,609.18	1,590.82	6.51	27.12	21.95	772.15	5,415.08	5,307.94	5,274.87	33.08	160.478		
1,800.00	1,773.17	1,684.17	1,684.17	7.13	28.43	22.36	772.15	5,415.08	5,274.44	5,239.66	34.79	151.616		
1,900.00	1,865.21	1,776.21	1,776.21	7.79	30.03	22.82	772.15	5,415.08	5,237.96	5,201.15	36.81	142.297		
2,000.00	1,955.84	1,866.84	1,866.84	8.51	31.61	23.34	772.15	5,415.08	5,198.53	5,159.71	38.82	133.913		
2,100.00	2,044.94	1,955.94	1,955.94	9.30	33.17	23.91	772.15	5,415.08	5,156.24	5,115.42	40.82	126.321		
2,200.00	2,132.39	2,043.39	2,043.39	10.15	34.70	24.54	772.15	5,415.08	5,111.12	5,068.32	42.80	119.408		
2,300.00	2,218.11	2,129.11	2,129.11	11.07	36.19	25.24	772.15	5,415.08	5,063.27	5,018.49	44.78	113.078		
2,400.00	2,301.97	2,212.97	2,212.97	12.06	37.65	26.01	772.15	5,415.08	5,012.74	4,966.00	46.74	107.255		
2,500.00	2,383.88	2,305.12	2,294.88	13.11	39.26	26.85	772.15	5,415.08	4,959.61	4,910.75	48.86	101.502		
2,512.74	2,394.17	2,305.17	2,305.17	13.25	39.26	26.96	772.15	5,415.08	4,952.66	4,903.73	48.93	101.212		
2,600.00	2,464.54	2,375.54	2,375.54	14.22	40.49	27.23	772.15	5,415.08	4,904.96	4,854.33	50.63	96.886		
2,700.00	2,545.18	2,456.18	2,456.18	15.35	41.90	27.53	772.15	5,415.08	4,850.39	4,797.81	52.58	92.244		
2,800.00	2,625.82	2,536.82	2,536.82	16.50	43.31	27.85	772.15	5,415.08	4,795.93	4,741.37	54.56	87.909		
2,900.00	2,706.45	2,617.45	2,617.45	17.65	44.71	28.17	772.15	5,415.08	4,741.58	4,685.03	56.54	83.856		
3,000.00	2,787.09	2,701.91	2,698.09	18.82	46.19	28.49	772.15	5,415.08	4,687.34	4,628.73	58.62	79.967		
3,100.00	2,867.73	2,778.73	2,778.73	19.99	47.53	28.83	772.15	5,415.08	4,633.23	4,572.66	60.57	76.495		
3,200.00	2,948.37	2,859.37	2,859.37	21.17	48.94	29.17	772.15	5,415.08	4,579.24	4,516.64	62.60	73.147		
3,300.00	3,029.01	2,940.01	2,940.01	22.36	50.34	29.52	772.15	5,415.08	4,525.38	4,460.73	64.65	69.996		
3,400.00	3,109.65	3,020.65	3,020.65	23.55	51.75	29.88	772.15	5,415.08	4,471.65	4,404.94	66.71	67.027		
3,500.00	3,190.29	3,101.29	3,101.29	24.74	53.16	30.24	772.15	5,415.08	4,418.06	4,349.27	68.79	64.224		
3,600.00	3,270.93	3,181.93	3,181.93	25.94	54.57	30.61	772.15	5,415.08	4,364.62	4,293.73	70.88	61.576		
3,700.00	3,351.57	3,262.57	3,262.57	27.14	55.97	31.00	772.15	5,415.08	4,311.32	4,238.33	72.99	59.069		
3,800.00	3,432.21	3,343.21	3,343.21	28.35	57.38	31.39	772.15	5,415.08	4,258.18	4,183.07	75.11	56.695		
3,900.00	3,512.85	3,423.85	3,423.85	29.56	58.79	31.78	772.15	5,415.08	4,205.19	4,127.95	77.24	54.443		
4,000.00	3,593.49	3,504.49	3,504.49	30.76	60.20	32.19	772.15	5,415.08	4,152.38	4,072.99	79.39	52.304		
4,100.00	3,674.13	3,585.13	3,585.13	31.97	61.60	32.61	772.15	5,415.08	4,099.73	4,018.18	81.55	50.271		
4,200.00	3,754.77	3,665.77	3,665.77	33.19	63.01	33.04	772.15	5,415.08	4,047.27	3,963.53	83.73	48.336		
4,300.00	3,835.41	3,746.41	3,746.41	34.40	64.42	33.47	772.15	5,415.08	3,994.99	3,909.06	85.93	46.493		
4,400.00	3,916.05	3,827.05	3,827.05	35.62	65.83	33.92	772.15	5,415.08	3,942.90	3,854.76	88.14	44.736		
4,500.00	3,996.69	3,907.69	3,907.69	36.83	67.23	34.38	772.15	5,415.08	3,891.02	3,800.65	90.37	43.059		
4,600.00	4,077.33	3,988.33	3,988.33	38.05	68.64	34.85	772.15	5,415.08	3,839.35	3,746.74	92.61	41.457		
4,700.00	4,157.96	4,068.96	4,068.96	39.27	70.05	35.33	772.15	5,415.08	3,787.89	3,693.02	94.87	39.926		
4,800.00	4,238.60	4,149.60	4,149.60	40.49	71.46	35.82	772.15	5,415.08	3,736.66	3,639.51	97.15	38.462		
4,900.00	4,319.24	4,230.24	4,230.24	41.71	72.86	36.32	772.15	5,415.08	3,685.67	3,586.22	99.45	37.060		
5,000.00	4,399.88	4,310.88	4,310.88	42.93	74.27	36.84	772.15	5,415.08	3,634.93	3,533.16	101.77	35.717		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST VERT BURY CRANDELL C UNIT 1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,480.52	4,408.48	4,391.52	44.15	75.97	37.37	772.15	5,415.08	3,584.44	3,480.03	104.41	34.332		
5,200.00	4,561.16	4,472.16	4,472.16	45.37	77.09	37.91	772.15	5,415.08	3,534.22	3,427.75	106.47	33.195		
5,300.00	4,641.80	4,552.80	4,552.80	46.59	78.49	38.47	772.15	5,415.08	3,484.28	3,375.43	108.85	32.010		
5,400.00	4,722.44	4,633.44	4,633.44	47.82	79.90	39.04	772.15	5,415.08	3,434.64	3,323.38	111.25	30.872		
5,500.00	4,803.08	4,714.08	4,714.08	49.04	81.31	39.62	772.15	5,415.08	3,385.30	3,271.62	113.68	29.779		
5,600.00	4,883.72	4,805.28	4,794.72	50.27	82.90	40.22	772.15	5,415.08	3,336.27	3,219.96	116.31	28.683		
5,700.00	4,964.36	4,875.36	4,875.36	51.49	84.12	40.83	772.15	5,415.08	3,287.58	3,168.98	118.60	27.719		
5,800.00	5,045.00	4,956.00	4,956.00	52.71	85.53	41.46	772.15	5,415.08	3,239.24	3,118.14	121.10	26.748		
5,900.00	5,125.64	5,036.64	5,036.64	53.94	86.94	42.11	772.15	5,415.08	3,191.26	3,067.64	123.63	25.813		
6,000.00	5,206.28	5,117.28	5,117.28	55.17	88.34	42.77	772.15	5,415.08	3,143.67	3,017.48	126.18	24.914		
6,100.00	5,286.92	5,202.08	5,197.92	56.39	89.82	43.45	772.15	5,415.08	3,096.47	2,967.63	128.83	24.035		
6,200.00	5,367.56	5,278.56	5,278.56	57.62	91.16	44.15	772.15	5,415.08	3,049.68	2,918.31	131.37	23.215		
6,300.00	5,448.20	5,359.20	5,359.20	58.84	92.57	44.86	772.15	5,415.08	3,003.33	2,869.33	134.01	22.412		
6,400.00	5,528.84	5,439.84	5,439.84	60.07	93.97	45.59	772.15	5,415.08	2,957.44	2,820.77	136.67	21.639		
6,500.00	5,609.47	5,520.47	5,520.47	61.30	95.38	46.34	772.15	5,415.08	2,912.03	2,772.65	139.37	20.894		
6,600.00	5,690.11	5,601.11	5,601.11	62.53	96.79	47.11	772.15	5,415.08	2,867.11	2,725.01	142.10	20.176		
6,700.00	5,770.75	5,681.75	5,681.75	63.75	98.20	47.90	772.15	5,415.08	2,822.72	2,677.86	144.87	19.485		
6,800.00	5,851.39	5,762.39	5,762.39	64.98	99.60	48.71	772.15	5,415.08	2,778.88	2,631.22	147.66	18.819		
6,900.00	5,932.03	5,843.03	5,843.03	66.21	101.01	49.55	772.15	5,415.08	2,735.62	2,585.13	150.49	18.178		
7,000.00	6,012.67	5,923.67	5,923.67	67.44	102.42	50.40	772.15	5,415.08	2,692.96	2,539.60	153.35	17.560		
7,100.00	6,093.31	6,004.31	6,004.31	68.66	103.83	51.27	772.15	5,415.08	2,650.93	2,494.68	156.25	16.966		
7,200.00	6,173.95	6,084.95	6,084.95	69.89	105.23	52.17	772.15	5,415.08	2,609.57	2,450.38	159.18	16.393		
7,300.00	6,254.59	6,165.59	6,165.59	71.12	106.64	53.09	772.15	5,415.08	2,568.90	2,406.75	162.15	15.843		
7,400.00	6,335.23	6,246.23	6,246.23	72.35	108.05	54.03	772.15	5,415.08	2,528.96	2,363.80	165.15	15.313		
7,500.00	6,415.87	6,326.87	6,326.87	73.58	109.46	54.99	772.15	5,415.08	2,489.78	2,321.59	168.19	14.803		
7,600.00	6,496.51	6,407.51	6,407.51	74.81	110.86	55.98	772.15	5,415.08	2,451.41	2,280.14	171.26	14.314		
7,700.00	6,577.15	6,488.15	6,488.15	76.04	112.27	56.99	772.15	5,415.08	2,413.87	2,239.50	174.37	13.843		
7,800.00	6,657.79	6,568.79	6,568.79	77.27	113.68	58.02	772.15	5,415.08	2,377.21	2,199.71	177.51	13.392		
7,900.00	6,738.43	6,649.43	6,649.43	78.50	115.09	59.08	772.15	5,415.08	2,341.48	2,160.80	180.68	12.959		
8,000.00	6,819.07	6,730.07	6,730.07	79.73	116.49	60.16	772.15	5,415.08	2,306.70	2,122.82	183.88	12.545		
8,100.00	6,899.71	6,810.71	6,810.71	80.96	117.90	61.27	772.15	5,415.08	2,272.93	2,085.82	187.11	12.148		
8,200.00	6,980.35	6,908.66	6,891.35	82.18	119.61	62.40	772.15	5,415.08	2,240.22	2,049.55	190.67	11.749		
8,240.58	7,013.07	6,924.07	6,924.07	82.68	119.88	62.86	772.15	5,415.08	2,227.25	2,035.56	191.69	11.619		
8,250.00	7,020.68	6,931.68	6,931.68	82.80	120.01	61.53	772.15	5,415.08	2,224.22	2,032.22	192.00	11.584		
8,300.00	7,061.63	6,972.63	6,972.63	83.40	120.73	53.88	772.15	5,415.08	2,206.75	2,013.17	193.58	11.400		
8,350.00	7,103.23	7,014.23	7,014.23	83.97	121.45	45.34	772.15	5,415.08	2,186.98	1,991.92	195.06	11.212		
8,400.00	7,145.18	7,056.18	7,056.18	84.51	122.18	36.12	772.15	5,415.08	2,164.97	1,968.54	196.43	11.021		
8,450.00	7,187.16	7,101.84	7,098.16	85.01	122.98	26.50	772.15	5,415.08	2,140.81	1,943.07	197.74	10.826		
8,500.00	7,228.84	7,139.84	7,139.84	85.46	123.65	16.76	772.15	5,415.08	2,114.61	1,915.82	198.79	10.637		
8,550.00	7,269.91	7,180.91	7,180.91	85.86	124.36	7.13	772.15	5,415.08	2,086.54	1,886.79	199.75	10.446		
8,600.00	7,310.05	7,221.05	7,221.05	86.20	125.06	-2.27	772.15	5,415.08	2,056.78	1,856.22	200.56	10.255		
8,650.00	7,348.97	7,259.97	7,259.97	86.50	125.74	-11.41	772.15	5,415.08	2,025.55	1,824.34	201.21	10.067		
8,700.00	7,386.36	7,302.64	7,297.36	86.74	126.49	-20.29	772.15	5,415.08	1,993.11	1,791.33	201.77	9.878		
8,750.00	7,421.94	7,332.94	7,332.94	86.93	127.02	-28.94	772.15	5,415.08	1,959.74	1,757.76	201.98	9.703		
8,800.00	7,455.44	7,366.44	7,366.44	87.07	127.60	-37.35	772.15	5,415.08	1,925.77	1,723.68	202.08	9.530		
8,850.00	7,486.61	7,402.39	7,397.61	87.16	128.23	-45.46	772.15	5,415.08	1,891.54	1,689.46	202.08	9.360		
8,900.00	7,515.20	7,426.20	7,426.20	87.20	128.64	-53.17	772.15	5,415.08	1,857.43	1,655.72	201.71	9.208		
8,950.00	7,541.00	7,452.00	7,452.00	87.21	129.09	-60.36	772.15	5,415.08	1,823.85	1,622.62	201.22	9.064		
9,000.00	7,563.81	7,474.81	7,474.81	87.17	129.49	-66.92	772.15	5,415.08	1,791.20	1,590.67	200.53	8.932		
9,050.00	7,583.47	7,505.53	7,494.47	87.10	130.03	-72.73	772.15	5,415.08	1,759.91	1,560.08	199.83	8.807		
9,100.00	7,599.81	7,510.81	7,510.81	87.00	130.12	-77.76	772.15	5,415.08	1,730.42	1,531.88	198.55	8.715		
9,150.00	7,612.72	7,523.72	7,523.72	86.88	130.34	-81.97	772.15	5,415.08	1,703.14	1,505.88	197.26	8.634		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST VERT BURY CRANDELL C UNIT 1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,622.09	7,533.09	7,533.09	86.72	130.51	-85.38	772.15	5,415.08	1,678.48	1,482.68	195.80	8.572		
9,250.00	7,627.87	7,538.87	7,538.87	86.55	130.61	-88.01	772.15	5,415.08	1,656.80	1,462.62	194.18	8.532		
9,303.98	7,630.00	7,541.00	7,541.00	86.35	130.65	-90.00	772.15	5,415.08	1,637.11	1,444.83	192.28	8.514 SF		
9,400.00	7,630.00	7,541.00	7,541.00	85.99	130.65	-90.00	772.15	5,415.08	1,608.28	1,419.55	188.73	8.522		
9,500.00	7,630.00	7,541.00	7,541.00	85.62	130.65	-90.00	772.15	5,415.08	1,583.90	1,398.89	185.01	8.561		
9,600.00	7,630.00	7,541.00	7,541.00	85.28	130.65	-90.00	772.15	5,415.08	1,565.54	1,384.15	181.39	8.631		
9,700.00	7,630.00	7,541.00	7,541.00	84.95	130.65	-90.00	772.15	5,415.08	1,553.42	1,375.40	178.01	8.726		
9,800.00	7,630.00	7,541.00	7,541.00	84.64	130.65	-90.00	772.15	5,415.08	1,547.67	1,372.61	175.06	8.841 ES		
9,839.10	7,630.00	7,541.00	7,541.00	84.52	130.65	-90.00	772.15	5,415.08	1,547.18	1,373.11	174.07	8.888 CC		
9,900.00	7,630.00	7,541.00	7,541.00	84.34	130.65	-90.00	772.15	5,415.08	1,548.38	1,375.67	172.71	8.965		
10,000.00	7,630.00	7,541.00	7,541.00	84.06	130.65	-90.00	772.15	5,415.08	1,555.52	1,384.39	171.13	9.090		
10,100.00	7,630.00	7,541.00	7,541.00	83.80	130.65	-90.00	772.15	5,415.08	1,569.02	1,398.59	170.43	9.206		
10,200.00	7,630.00	7,541.00	7,541.00	83.56	130.65	-90.00	772.15	5,415.08	1,588.71	1,418.08	170.63	9.311		
10,300.00	7,630.00	7,541.00	7,541.00	83.33	130.65	-90.00	772.15	5,415.08	1,614.37	1,442.73	171.64	9.405		
10,400.00	7,630.00	7,541.00	7,541.00	83.12	130.65	-90.00	772.15	5,415.08	1,645.71	1,472.39	173.32	9.495		
10,500.00	7,630.00	7,541.00	7,541.00	82.92	130.65	-90.00	772.15	5,415.08	1,682.42	1,506.94	175.49	9.587		
10,600.00	7,630.00	7,541.00	7,541.00	82.75	130.65	-90.00	772.15	5,415.08	1,724.16	1,546.19	177.97	9.688		
10,700.00	7,630.00	7,541.00	7,541.00	82.59	130.65	-90.00	772.15	5,415.08	1,770.57	1,589.94	180.62	9.803		
10,800.00	7,630.00	7,541.00	7,541.00	82.45	130.65	-90.00	772.15	5,415.08	1,821.29	1,637.95	183.34	9.934		
10,900.00	7,630.00	7,541.00	7,541.00	82.33	130.65	-90.00	772.15	5,415.08	1,875.97	1,689.94	186.03	10.084		
11,000.00	7,630.00	7,541.00	7,541.00	82.22	130.65	-90.00	772.15	5,415.08	1,934.28	1,745.62	188.66	10.253		
11,100.00	7,630.00	7,541.00	7,541.00	82.14	130.65	-90.00	772.15	5,415.08	1,995.90	1,804.73	191.17	10.441		
11,200.00	7,630.00	7,541.00	7,541.00	82.08	130.65	-90.00	772.15	5,415.08	2,060.53	1,866.98	193.55	10.646		
11,300.00	7,630.00	7,541.00	7,541.00	82.04	130.65	-90.00	772.15	5,415.08	2,127.90	1,932.12	195.79	10.868		
11,400.00	7,630.00	7,541.00	7,541.00	82.02	130.65	-90.00	772.15	5,415.08	2,197.76	1,999.88	197.89	11.106		
11,500.00	7,630.00	7,541.00	7,541.00	82.03	130.65	-90.00	772.15	5,415.08	2,269.88	2,070.04	199.84	11.359		
11,600.00	7,630.00	7,541.00	7,541.00	82.06	130.65	-90.00	772.15	5,415.08	2,344.04	2,142.38	201.66	11.624		
11,700.00	7,630.00	7,541.00	7,541.00	82.12	130.65	-90.00	772.15	5,415.08	2,420.06	2,216.72	203.34	11.901		
11,800.00	7,630.00	7,541.00	7,541.00	82.21	130.65	-90.00	772.15	5,415.08	2,497.77	2,292.87	204.90	12.190		
11,900.00	7,630.00	7,541.00	7,541.00	82.33	130.65	-90.00	772.15	5,415.08	2,577.02	2,370.67	206.35	12.488		
12,000.00	7,630.00	7,541.00	7,541.00	82.48	130.65	-90.00	772.15	5,415.08	2,657.67	2,449.98	207.70	12.796		
12,100.00	7,630.00	7,541.00	7,541.00	82.66	130.65	-90.00	772.15	5,415.08	2,739.60	2,530.66	208.94	13.112		
12,200.00	7,630.00	7,541.00	7,541.00	82.88	130.65	-90.00	772.15	5,415.08	2,822.69	2,612.60	210.09	13.435		
12,300.00	7,630.00	7,541.00	7,541.00	83.14	130.65	-90.00	772.15	5,415.08	2,906.85	2,695.68	211.17	13.766		
12,400.00	7,630.00	7,541.00	7,541.00	83.44	130.65	-90.00	772.15	5,415.08	2,991.98	2,779.82	212.16	14.102		
12,500.00	7,630.00	7,541.00	7,541.00	83.79	130.65	-90.00	772.15	5,415.08	3,078.01	2,864.92	213.09	14.445		
12,600.00	7,630.00	7,541.00	7,541.00	84.18	130.65	-90.00	772.15	5,415.08	3,164.85	2,950.90	213.95	14.792		
12,700.00	7,630.00	7,541.00	7,541.00	84.61	130.65	-90.00	772.15	5,415.08	3,252.46	3,037.70	214.76	15.145		
12,800.00	7,630.00	7,541.00	7,541.00	85.10	130.65	-90.00	772.15	5,415.08	3,340.76	3,125.25	215.51	15.502		
12,900.00	7,630.00	7,541.00	7,541.00	85.64	130.65	-90.00	772.15	5,415.08	3,429.70	3,213.49	216.21	15.863		
13,000.00	7,630.00	7,541.00	7,541.00	86.22	130.65	-90.00	772.15	5,415.08	3,519.24	3,302.37	216.87	16.228		
13,100.00	7,630.00	7,541.00	7,541.00	86.86	130.65	-90.00	772.15	5,415.08	3,609.32	3,391.84	217.48	16.596		
13,200.00	7,630.00	7,541.00	7,541.00	87.56	130.65	-90.00	772.15	5,415.08	3,699.92	3,481.85	218.06	16.967		
13,300.00	7,630.00	7,541.00	7,541.00	88.30	130.65	-90.00	772.15	5,415.08	3,790.98	3,572.38	218.60	17.342		
13,400.00	7,630.00	7,541.00	7,541.00	89.10	130.65	-90.00	772.15	5,415.08	3,882.49	3,663.38	219.12	17.719		
13,500.00	7,630.00	7,541.00	7,541.00	89.94	130.65	-90.00	772.15	5,415.08	3,974.41	3,754.81	219.60	18.099		
13,600.00	7,630.00	7,541.00	7,541.00	90.84	130.65	-90.00	772.15	5,415.08	4,066.71	3,846.65	220.05	18.481		
13,700.00	7,630.00	7,541.00	7,541.00	91.78	130.65	-90.00	772.15	5,415.08	4,159.36	3,938.88	220.48	18.865		
13,800.00	7,630.00	7,541.00	7,541.00	92.77	130.65	-90.00	772.15	5,415.08	4,252.35	4,031.46	220.89	19.251		
13,900.00	7,630.00	7,541.00	7,541.00	93.79	130.65	-90.00	772.15	5,415.08	4,345.65	4,124.37	221.27	19.639		
14,000.00	7,630.00	7,541.00	7,541.00	94.86	130.65	-90.00	772.15	5,415.08	4,439.24	4,217.60	221.64	20.029		
14,100.00	7,630.00	7,541.00	7,541.00	95.97	130.65	-90.00	772.15	5,415.08	4,533.10	4,311.12	221.98	20.421		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST VERT BURY CRANDELL C UNIT 1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,630.00	7,541.00	7,541.00	97.11	130.65	-90.00	772.15	5,415.08	4,627.22	4,404.91	222.31	20.814		
14,300.00	7,630.00	7,541.00	7,541.00	98.28	130.65	-90.00	772.15	5,415.08	4,721.58	4,498.96	222.62	21.209		
14,400.00	7,630.00	7,541.00	7,541.00	99.48	130.65	-90.00	772.15	5,415.08	4,816.17	4,593.26	222.92	21.605		
14,500.00	7,630.00	7,541.00	7,541.00	100.72	130.65	-90.00	772.15	5,415.08	4,910.98	4,687.78	223.20	22.002		
14,600.00	7,630.00	7,541.00	7,541.00	101.97	130.65	-90.00	772.15	5,415.08	5,005.99	4,782.51	223.47	22.401		
14,700.00	7,630.00	7,541.00	7,541.00	103.26	130.65	-90.00	772.15	5,415.08	5,101.18	4,877.45	223.73	22.800		
14,800.00	7,630.00	7,541.00	7,541.00	104.56	130.65	-90.00	772.15	5,415.08	5,196.56	4,972.58	223.98	23.201		
14,900.00	7,630.00	7,541.00	7,541.00	105.89	130.65	-90.00	772.15	5,415.08	5,292.11	5,067.90	224.21	23.603		
15,000.00	7,630.00	7,541.00	7,541.00	107.24	130.65	-90.00	772.15	5,415.08	5,387.82	5,163.38	224.44	24.005		
15,100.00	7,630.00	7,541.00	7,541.00	108.60	130.65	-90.00	772.15	5,415.08	5,483.68	5,259.02	224.66	24.409		
15,200.00	7,630.00	7,541.00	7,541.00	109.98	130.65	-90.00	772.15	5,415.08	5,579.69	5,354.82	224.87	24.813		
15,300.00	7,630.00	7,541.00	7,541.00	111.38	130.65	-90.00	772.15	5,415.08	5,675.84	5,450.77	225.07	25.218		
15,400.00	7,630.00	7,541.00	7,541.00	112.79	130.65	-90.00	772.15	5,415.08	5,772.12	5,546.86	225.26	25.624		
15,500.00	7,630.00	7,541.00	7,541.00	114.22	130.65	-90.00	772.15	5,415.08	5,868.52	5,643.07	225.45	26.031		
15,600.00	7,630.00	7,541.00	7,541.00	115.66	130.65	-90.00	772.15	5,415.08	5,965.04	5,739.41	225.62	26.438		
15,700.00	7,630.00	7,541.00	7,541.00	117.11	130.65	-90.00	772.15	5,415.08	6,061.67	5,835.87	225.80	26.846		
15,800.00	7,630.00	7,541.00	7,541.00	118.57	130.65	-90.00	772.15	5,415.08	6,158.41	5,932.45	225.96	27.254		
15,900.00	7,630.00	7,541.00	7,541.00	120.05	130.65	-90.00	772.15	5,415.08	6,255.26	6,029.13	226.12	27.663		
16,000.00	7,630.00	7,541.00	7,541.00	121.53	130.65	-90.00	772.15	5,415.08	6,352.20	6,125.92	226.28	28.072		
16,100.00	7,630.00	7,541.00	7,541.00	123.03	130.65	-90.00	772.15	5,415.08	6,449.23	6,222.80	226.43	28.482		
16,200.00	7,630.00	7,541.00	7,541.00	124.53	130.65	-90.00	772.15	5,415.08	6,546.35	6,319.78	226.57	28.893		
16,300.00	7,630.00	7,541.00	7,541.00	126.04	130.65	-90.00	772.15	5,415.08	6,643.56	6,416.85	226.71	29.304		
16,400.00	7,630.00	7,541.00	7,541.00	127.56	130.65	-90.00	772.15	5,415.08	6,740.85	6,514.00	226.85	29.715		
16,500.00	7,630.00	7,541.00	7,541.00	129.09	130.65	-90.00	772.15	5,415.08	6,838.22	6,611.24	226.98	30.127		
16,600.00	7,630.00	7,541.00	7,541.00	130.62	130.65	-90.00	772.15	5,415.08	6,935.67	6,708.56	227.11	30.539		
16,700.00	7,630.00	7,541.00	7,541.00	132.16	130.65	-90.00	772.15	5,415.08	7,033.18	6,805.95	227.24	30.951		
16,800.00	7,630.00	7,541.00	7,541.00	133.71	130.65	-90.00	772.15	5,415.08	7,130.77	6,903.41	227.36	31.364		
16,900.00	7,630.00	7,541.00	7,541.00	135.27	130.65	-90.00	772.15	5,415.08	7,228.42	7,000.94	227.48	31.777		
17,000.00	7,630.00	7,541.00	7,541.00	136.83	130.65	-90.00	772.15	5,415.08	7,326.13	7,098.54	227.59	32.190		
17,100.00	7,630.00	7,541.00	7,541.00	138.39	130.65	-90.00	772.15	5,415.08	7,423.91	7,196.20	227.70	32.604		
17,200.00	7,630.00	7,541.00	7,541.00	139.97	130.65	-90.00	772.15	5,415.08	7,521.74	7,293.93	227.81	33.017		
17,300.00	7,630.00	7,541.00	7,541.00	141.54	130.65	-90.00	772.15	5,415.08	7,619.63	7,391.71	227.92	33.432		
17,400.00	7,630.00	7,541.00	7,541.00	143.12	130.65	-90.00	772.15	5,415.08	7,717.57	7,489.55	228.02	33.846		
17,500.00	7,630.00	7,541.00	7,541.00	144.71	130.65	-90.00	772.15	5,415.08	7,815.57	7,587.44	228.12	34.260		
17,600.00	7,630.00	7,541.00	7,541.00	146.30	130.65	-90.00	772.15	5,415.08	7,913.61	7,685.39	228.22	34.675		
17,700.00	7,630.00	7,541.00	7,541.00	147.90	130.65	-90.00	772.15	5,415.08	8,011.71	7,783.39	228.32	35.090		
17,800.00	7,630.00	7,541.00	7,541.00	149.50	130.65	-90.00	772.15	5,415.08	8,109.85	7,881.43	228.41	35.505		
17,900.00	7,630.00	7,541.00	7,541.00	151.10	130.65	-90.00	772.15	5,415.08	8,208.03	7,979.53	228.51	35.920		
18,000.00	7,630.00	7,541.00	7,541.00	152.71	130.65	-90.00	772.15	5,415.08	8,306.26	8,077.67	228.60	36.336		
18,100.00	7,630.00	7,541.00	7,541.00	154.32	130.65	-90.00	772.15	5,415.08	8,404.53	8,175.85	228.69	36.751		
18,200.00	7,630.00	7,541.00	7,541.00	155.94	130.65	-90.00	772.15	5,415.08	8,502.84	8,274.07	228.77	37.167		
18,300.00	7,630.00	7,541.00	7,541.00	157.56	130.65	-90.00	772.15	5,415.08	8,601.19	8,372.33	228.86	37.583		
18,400.00	7,630.00	7,541.00	7,541.00	159.18	130.65	-90.00	772.15	5,415.08	8,699.58	8,470.64	228.94	37.999		
18,500.00	7,630.00	7,541.00	7,541.00	160.80	130.65	-90.00	772.15	5,415.08	8,798.00	8,568.98	229.02	38.415		
18,600.00	7,630.00	7,541.00	7,541.00	162.43	130.65	-90.00	772.15	5,415.08	8,896.46	8,667.36	229.11	38.831		
18,700.00	7,630.00	7,541.00	7,541.00	164.06	130.65	-90.00	772.15	5,415.08	8,994.96	8,765.77	229.19	39.247		
18,800.00	7,630.00	7,541.00	7,541.00	165.70	130.65	-90.00	772.15	5,415.08	9,093.48	8,864.22	229.26	39.664		
18,900.00	7,630.00	7,541.00	7,541.00	167.33	130.65	-90.00	772.15	5,415.08	9,192.04	8,962.70	229.34	40.080		
19,000.00	7,630.00	7,541.00	7,541.00	168.97	130.65	-90.00	772.15	5,415.08	9,290.63	9,061.21	229.42	40.497		
19,021.79	7,630.00	7,541.00	7,541.00	169.33	130.65	-90.00	772.15	5,415.08	9,312.11	9,082.68	229.43	40.587		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST VERT HELEN 23-23 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	115.87	-1,438.76	2,966.80	3,297.77					
100.00	100.00	42.00	42.00	0.13	0.32	115.87	-1,438.76	2,966.80	3,297.26	3,296.81	0.46	7,215.580		
200.00	200.00	142.00	142.00	0.49	1.50	115.87	-1,438.76	2,966.80	3,297.26	3,295.27	1.99	1,653.689		
300.00	300.00	242.00	242.00	0.85	3.25	115.87	-1,438.76	2,966.80	3,297.26	3,293.16	4.10	804.665		
400.00	400.00	342.00	342.00	1.21	4.99	115.87	-1,438.76	2,966.80	3,297.26	3,291.06	6.20	531.689		
500.00	500.00	442.00	442.00	1.57	6.74	115.87	-1,438.76	2,966.80	3,297.26	3,288.96	8.31	397.008		
600.00	600.00	542.00	542.00	1.93	8.48	115.87	-1,438.76	2,966.80	3,297.26	3,286.85	10.41	316.768		
700.00	700.00	642.00	642.00	2.29	10.23	115.87	-1,438.76	2,966.80	3,297.26	3,284.75	12.51	263.509		
800.00	799.98	741.98	741.98	2.64	11.97	54.13	-1,438.76	2,966.80	3,296.24	3,281.63	14.61	225.587		
900.00	899.84	841.84	841.84	2.99	13.72	54.25	-1,438.76	2,966.80	3,293.17	3,276.47	16.71	197.112		
1,000.00	999.45	941.45	941.45	3.35	15.45	54.46	-1,438.76	2,966.80	3,288.08	3,269.28	18.80	174.869		
1,100.00	1,098.70	1,040.70	1,040.70	3.73	17.19	54.74	-1,438.76	2,966.80	3,280.99	3,260.09	20.90	156.982		
1,200.00	1,197.47	1,139.47	1,139.47	4.11	18.91	55.12	-1,438.76	2,966.80	3,271.92	3,248.92	23.00	142.254		
1,300.00	1,295.62	1,237.62	1,237.62	4.53	20.62	55.57	-1,438.76	2,966.80	3,260.93	3,235.83	25.11	129.887		
1,400.00	1,393.06	1,335.06	1,335.06	4.97	22.32	56.11	-1,438.76	2,966.80	3,248.08	3,220.86	27.22	119.332		
1,500.00	1,489.64	1,431.64	1,431.64	5.44	24.01	56.72	-1,438.76	2,966.80	3,233.41	3,204.07	29.34	110.195		
1,600.00	1,585.27	1,527.27	1,527.27	5.95	25.68	57.43	-1,438.76	2,966.80	3,217.02	3,185.54	31.48	102.192		
1,700.00	1,679.82	1,621.82	1,621.82	6.51	27.33	58.21	-1,438.76	2,966.80	3,198.98	3,165.35	33.64	95.108		
1,800.00	1,773.17	1,715.17	1,715.17	7.13	28.96	59.07	-1,438.76	2,966.80	3,179.39	3,143.58	35.81	88.783		
1,900.00	1,865.21	1,807.21	1,807.21	7.79	30.56	60.02	-1,438.76	2,966.80	3,158.36	3,120.35	38.01	83.092		
2,000.00	1,955.84	1,902.16	1,897.84	8.51	32.22	61.04	-1,438.76	2,966.80	3,136.00	3,095.68	40.31	77.790		
2,100.00	2,044.94	1,986.94	1,986.94	9.30	33.70	62.14	-1,438.76	2,966.80	3,112.44	3,069.94	42.50	73.239		
2,200.00	2,132.39	2,074.39	2,074.39	10.15	35.23	63.31	-1,438.76	2,966.80	3,087.81	3,043.02	44.79	68.940		
2,300.00	2,218.11	2,160.11	2,160.11	11.07	36.72	64.55	-1,438.76	2,966.80	3,062.28	3,015.16	47.12	64.988		
2,400.00	2,301.97	2,243.97	2,243.97	12.06	38.19	65.85	-1,438.76	2,966.80	3,036.00	2,986.50	49.49	61.344		
2,500.00	2,383.88	2,325.88	2,325.88	13.11	39.62	67.21	-1,438.76	2,966.80	3,009.13	2,957.23	51.91	57.974		
2,512.74	2,394.17	2,336.17	2,336.17	13.25	39.80	67.39	-1,438.76	2,966.80	3,005.68	2,953.46	52.22	57.562		
2,600.00	2,464.54	2,406.54	2,406.54	14.22	41.02	68.15	-1,438.76	2,966.80	2,982.35	2,927.99	54.36	54.864		
2,700.00	2,545.18	2,487.18	2,487.18	15.35	42.43	69.04	-1,438.76	2,966.80	2,956.49	2,899.64	56.85	52.006		
2,800.00	2,625.82	2,567.82	2,567.82	16.50	43.84	69.93	-1,438.76	2,966.80	2,931.60	2,872.23	59.37	49.379		
2,900.00	2,706.45	2,648.45	2,648.45	17.65	45.25	70.84	-1,438.76	2,966.80	2,907.70	2,845.78	61.92	46.961		
3,000.00	2,787.09	2,729.09	2,729.09	18.82	46.65	71.76	-1,438.76	2,966.80	2,884.81	2,820.32	64.49	44.734		
3,100.00	2,867.73	2,809.73	2,809.73	19.99	48.06	72.69	-1,438.76	2,966.80	2,862.96	2,795.88	67.08	42.678		
3,200.00	2,948.37	2,909.63	2,890.37	21.17	49.81	73.63	-1,438.76	2,966.80	2,842.18	2,772.15	70.03	40.584		
3,300.00	3,029.01	2,971.01	2,971.01	22.36	50.88	74.57	-1,438.76	2,966.80	2,822.48	2,750.15	72.33	39.025		
3,400.00	3,109.65	3,051.65	3,051.65	23.55	52.28	75.53	-1,438.76	2,966.80	2,803.89	2,728.92	74.97	37.400		
3,500.00	3,190.29	3,132.29	3,132.29	24.74	53.69	76.49	-1,438.76	2,966.80	2,786.43	2,708.80	77.63	35.894		
3,600.00	3,270.93	3,212.93	3,212.93	25.94	55.10	77.46	-1,438.76	2,966.80	2,770.12	2,689.82	80.30	34.498		
3,700.00	3,351.57	3,306.43	3,293.57	27.14	56.73	78.44	-1,438.76	2,966.80	2,754.99	2,671.79	83.20	33.112		
3,800.00	3,432.21	3,374.21	3,374.21	28.35	57.91	79.43	-1,438.76	2,966.80	2,741.05	2,655.39	85.66	31.999		
3,900.00	3,512.85	3,454.85	3,454.85	29.56	59.32	80.42	-1,438.76	2,966.80	2,728.32	2,639.97	88.35	30.880		
4,000.00	3,593.49	3,535.49	3,535.49	30.76	60.73	81.42	-1,438.76	2,966.80	2,716.82	2,625.77	91.05	29.840		
4,100.00	3,674.13	3,616.13	3,616.13	31.97	62.14	82.42	-1,438.76	2,966.80	2,706.56	2,612.82	93.74	28.873		
4,200.00	3,754.77	3,703.23	3,696.77	33.19	63.66	83.43	-1,438.76	2,966.80	2,697.56	2,601.01	96.55	27.940		
4,300.00	3,835.41	3,777.41	3,777.41	34.40	64.95	84.44	-1,438.76	2,966.80	2,689.83	2,590.71	99.12	27.136		
4,400.00	3,916.05	3,858.05	3,858.05	35.62	66.36	85.45	-1,438.76	2,966.80	2,683.38	2,581.57	101.81	26.357		
4,500.00	3,996.69	3,938.69	3,938.69	36.83	67.77	86.47	-1,438.76	2,966.80	2,678.22	2,573.73	104.49	25.631		
4,600.00	4,077.33	4,019.33	4,019.33	38.05	69.17	87.49	-1,438.76	2,966.80	2,674.36	2,567.20	107.16	24.957		
4,700.00	4,157.96	4,100.04	4,099.96	39.27	70.58	88.51	-1,438.76	2,966.80	2,671.81	2,561.99	109.82	24.329		
4,800.00	4,238.60	4,180.60	4,180.60	40.49	71.99	89.54	-1,438.76	2,966.80	2,670.56	2,558.09	112.47	23.745		
4,845.38	4,275.19	4,217.19	4,217.19	41.04	72.63	90.00	-1,438.76	2,966.80	2,670.42	2,556.76	113.67	23.494		
4,900.00	4,319.24	4,261.24	4,261.24	41.71	73.40	90.56	-1,438.76	2,966.80	2,670.62	2,555.52	115.10	23.202		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST VERT HELEN 23-23 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	4,399.88	4,341.88	4,341.88	42.93	74.80	91.58	-1,438.76	2,966.80	2,671.99	2,554.27	117.72	22.698		
5,100.00	4,480.52	4,422.52	4,422.52	44.15	76.21	92.60	-1,438.76	2,966.80	2,674.67	2,554.34	120.32	22.229		
5,200.00	4,561.16	4,503.16	4,503.16	45.37	77.62	93.62	-1,438.76	2,966.80	2,678.65	2,555.74	122.90	21.795		
5,300.00	4,641.80	4,583.80	4,583.80	46.59	79.03	94.64	-1,438.76	2,966.80	2,683.92	2,558.46	125.47	21.392		
5,400.00	4,722.44	4,664.44	4,664.44	47.82	80.43	95.66	-1,438.76	2,966.80	2,690.49	2,562.49	128.01	21.018		
5,500.00	4,803.08	4,745.08	4,745.08	49.04	81.84	96.67	-1,438.76	2,966.80	2,698.34	2,567.81	130.52	20.673		
5,600.00	4,883.72	4,825.72	4,825.72	50.27	83.25	97.67	-1,438.76	2,966.80	2,707.46	2,574.44	133.02	20.354		
5,700.00	4,964.36	4,906.36	4,906.36	51.49	84.65	98.68	-1,438.76	2,966.80	2,717.83	2,582.34	135.49	20.059		
5,800.00	5,045.00	4,987.00	4,987.00	52.71	86.06	99.67	-1,438.76	2,966.80	2,729.45	2,591.51	137.93	19.788		
5,900.00	5,125.64	5,067.64	5,067.64	53.94	87.47	100.67	-1,438.76	2,966.80	2,742.29	2,601.93	140.35	19.538		
6,000.00	5,206.28	5,148.28	5,148.28	55.17	88.88	101.65	-1,438.76	2,966.80	2,756.34	2,613.59	142.75	19.309		
6,100.00	5,286.92	5,228.92	5,228.92	56.39	90.28	102.63	-1,438.76	2,966.80	2,771.58	2,626.47	145.12	19.099		
6,200.00	5,367.56	5,309.56	5,309.56	57.62	91.69	103.60	-1,438.76	2,966.80	2,788.00	2,640.54	147.46	18.907		
6,300.00	5,448.20	5,409.80	5,390.20	58.84	93.44	104.56	-1,438.76	2,966.80	2,805.56	2,655.45	150.11	18.690		
6,400.00	5,528.84	5,470.84	5,470.84	60.07	94.51	105.52	-1,438.76	2,966.80	2,824.25	2,672.20	152.06	18.574		
6,500.00	5,609.47	5,551.47	5,551.47	61.30	95.91	106.46	-1,438.76	2,966.80	2,844.05	2,689.74	154.32	18.430		
6,600.00	5,690.11	5,632.11	5,632.11	62.53	97.32	107.40	-1,438.76	2,966.80	2,864.94	2,708.39	156.55	18.300		
6,700.00	5,770.75	5,712.75	5,712.75	63.75	98.73	108.32	-1,438.76	2,966.80	2,886.88	2,728.13	158.76	18.184		
6,800.00	5,851.39	5,806.61	5,793.39	64.98	100.37	109.24	-1,438.76	2,966.80	2,909.87	2,748.69	161.17	18.054		
6,900.00	5,932.03	5,874.03	5,874.03	66.21	101.54	110.15	-1,438.76	2,966.80	2,933.86	2,770.76	163.10	17.988		
7,000.00	6,012.67	5,954.67	5,954.67	67.44	102.95	111.05	-1,438.76	2,966.80	2,958.84	2,793.61	165.23	17.907		
7,100.00	6,093.31	6,035.31	6,035.31	68.66	104.36	111.93	-1,438.76	2,966.80	2,984.79	2,817.45	167.34	17.837		
7,200.00	6,173.95	6,115.95	6,115.95	69.89	105.77	112.81	-1,438.76	2,966.80	3,011.67	2,842.25	169.42	17.776		
7,300.00	6,254.59	6,203.41	6,196.59	71.12	107.29	113.67	-1,438.76	2,966.80	3,039.46	2,867.86	171.60	17.712		
7,400.00	6,335.23	6,277.23	6,277.23	72.35	108.58	114.52	-1,438.76	2,966.80	3,068.15	2,894.62	173.53	17.681		
7,500.00	6,415.87	6,357.87	6,357.87	73.58	109.99	115.36	-1,438.76	2,966.80	3,097.69	2,922.15	175.54	17.646		
7,600.00	6,496.51	6,438.51	6,438.51	74.81	111.40	116.19	-1,438.76	2,966.80	3,128.08	2,950.54	177.54	17.619		
7,700.00	6,577.15	6,519.15	6,519.15	76.04	112.80	117.01	-1,438.76	2,966.80	3,159.28	2,979.76	179.52	17.598		
7,800.00	6,657.79	6,600.21	6,599.79	77.27	114.22	117.82	-1,438.76	2,966.80	3,191.27	3,009.78	181.49	17.584		
7,900.00	6,738.43	6,680.43	6,680.43	78.50	115.62	118.61	-1,438.76	2,966.80	3,224.03	3,040.61	183.42	17.577		
8,000.00	6,819.07	6,761.07	6,761.07	79.73	117.03	119.39	-1,438.76	2,966.80	3,257.54	3,072.19	185.35	17.575		
8,100.00	6,899.71	6,841.71	6,841.71	80.96	118.43	120.17	-1,438.76	2,966.80	3,291.76	3,104.50	187.26	17.579		
8,200.00	6,980.35	6,922.35	6,922.35	82.18	119.84	120.92	-1,438.76	2,966.80	3,326.68	3,137.54	189.15	17.588		
8,240.58	7,013.07	6,955.07	6,955.07	82.68	120.41	121.23	-1,438.76	2,966.80	3,341.05	3,151.14	189.91	17.593		
8,250.00	7,020.68	6,962.68	6,962.68	82.80	120.54	120.06	-1,438.76	2,966.80	3,344.33	3,154.24	190.09	17.593		
8,300.00	7,061.63	7,003.63	7,003.63	83.40	121.26	113.48	-1,438.76	2,966.80	3,359.40	3,168.36	191.04	17.584		
8,350.00	7,103.23	7,045.23	7,045.23	83.97	121.99	106.37	-1,438.76	2,966.80	3,370.49	3,178.48	192.01	17.554		
8,400.00	7,145.18	7,087.18	7,087.18	84.51	122.72	98.97	-1,438.76	2,966.80	3,377.54	3,184.55	192.98	17.502		
8,450.00	7,187.16	7,129.16	7,129.16	85.01	123.45	91.60	-1,438.76	2,966.80	3,380.49	3,186.54	193.95	17.430		
8,500.00	7,228.84	7,170.84	7,170.84	85.46	124.18	84.60	-1,438.76	2,966.80	3,379.36	3,184.46	194.90	17.339		
8,550.00	7,269.91	7,211.91	7,211.91	85.86	124.89	78.24	-1,438.76	2,966.80	3,374.16	3,178.34	195.82	17.231		
8,600.00	7,310.05	7,252.05	7,252.05	86.20	125.59	72.67	-1,438.76	2,966.80	3,364.94	3,168.23	196.71	17.106		
8,650.00	7,348.97	7,309.03	7,290.97	86.50	126.59	67.96	-1,438.76	2,966.80	3,351.78	3,153.91	197.87	16.939		
8,700.00	7,386.36	7,328.36	7,328.36	86.74	126.93	64.12	-1,438.76	2,966.80	3,334.78	3,136.42	198.35	16.812		
8,750.00	7,421.94	7,363.94	7,363.94	86.93	127.55	61.10	-1,438.76	2,966.80	3,314.06	3,114.96	199.10	16.645		
8,800.00	7,455.44	7,402.56	7,397.44	87.07	128.22	58.85	-1,438.76	2,966.80	3,289.78	3,089.91	199.87	16.460		
8,850.00	7,486.61	7,428.61	7,428.61	87.16	128.68	57.33	-1,438.76	2,966.80	3,262.11	3,061.72	200.40	16.278		
8,900.00	7,515.20	7,457.20	7,457.20	87.20	129.18	56.51	-1,438.76	2,966.80	3,231.26	3,030.31	200.95	16.080		
8,950.00	7,541.00	7,483.00	7,483.00	87.21	129.63	56.40	-1,438.76	2,966.80	3,197.44	2,996.01	201.43	15.874		
9,000.00	7,563.81	7,505.81	7,505.81	87.17	130.02	57.04	-1,438.76	2,966.80	3,160.88	2,959.04	201.84	15.661		
9,050.00	7,583.47	7,525.47	7,525.47	87.10	130.37	58.53	-1,438.76	2,966.80	3,121.84	2,919.67	202.17	15.441		
9,100.00	7,599.81	7,541.81	7,541.81	87.00	130.65	61.03	-1,438.76	2,966.80	3,080.59	2,878.16	202.44	15.218		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST VERT HELEN 23-23 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,150.00	7,612.72	7,554.72	7,554.72	86.88	130.88	64.81	-1,438.76	2,966.80	3,037.42	2,834.79	202.63	14.990		
9,200.00	7,622.09	7,564.09	7,564.09	86.72	131.04	70.30	-1,438.76	2,966.80	2,992.62	2,789.88	202.75	14.760		
9,250.00	7,627.87	7,569.87	7,569.87	86.55	131.14	78.10	-1,438.76	2,966.80	2,946.51	2,743.71	202.80	14.529		
9,303.98	7,630.00	7,572.00	7,572.00	86.35	131.18	90.00	-1,438.76	2,966.80	2,895.61	2,692.83	202.78	14.279		
9,400.00	7,630.00	7,572.00	7,572.00	85.99	131.18	90.00	-1,438.76	2,966.80	2,804.43	2,601.75	202.68	13.836		
9,500.00	7,630.00	7,572.00	7,572.00	85.62	131.18	90.00	-1,438.76	2,966.80	2,709.83	2,507.26	202.57	13.377		
9,600.00	7,630.00	7,572.00	7,572.00	85.28	131.18	90.00	-1,438.76	2,966.80	2,615.64	2,413.19	202.44	12.920		
9,700.00	7,630.00	7,572.00	7,572.00	84.95	131.18	90.00	-1,438.76	2,966.80	2,521.89	2,319.58	202.30	12.466		
9,800.00	7,630.00	7,572.00	7,572.00	84.64	131.18	90.00	-1,438.76	2,966.80	2,428.63	2,226.49	202.14	12.014		
9,900.00	7,630.00	7,572.00	7,572.00	84.34	131.18	90.00	-1,438.76	2,966.80	2,335.94	2,133.97	201.97	11.566		
10,000.00	7,630.00	7,572.00	7,572.00	84.06	131.18	90.00	-1,438.76	2,966.80	2,243.87	2,042.10	201.77	11.121		
10,100.00	7,630.00	7,572.00	7,572.00	83.80	131.18	90.00	-1,438.76	2,966.80	2,152.51	1,950.96	201.55	10.680		
10,200.00	7,630.00	7,572.00	7,572.00	83.56	131.18	90.00	-1,438.76	2,966.80	2,061.96	1,860.65	201.30	10.243		
10,300.00	7,630.00	7,572.00	7,572.00	83.33	131.18	90.00	-1,438.76	2,966.80	1,972.31	1,771.29	201.02	9.811		
10,400.00	7,630.00	7,572.00	7,572.00	83.12	131.18	90.00	-1,438.76	2,966.80	1,883.71	1,683.01	200.70	9.386		
10,500.00	7,630.00	7,572.00	7,572.00	82.92	131.18	90.00	-1,438.76	2,966.80	1,796.31	1,595.98	200.33	8.967		
10,600.00	7,630.00	7,572.00	7,572.00	82.75	131.18	90.00	-1,438.76	2,966.80	1,710.29	1,510.38	199.91	8.555		
10,700.00	7,630.00	7,572.00	7,572.00	82.59	131.18	90.00	-1,438.76	2,966.80	1,625.86	1,426.44	199.42	8.153		
10,800.00	7,630.00	7,572.00	7,572.00	82.45	131.18	90.00	-1,438.76	2,966.80	1,543.30	1,344.44	198.86	7.761		
10,900.00	7,630.00	7,572.00	7,572.00	82.33	131.18	90.00	-1,438.76	2,966.80	1,462.92	1,264.70	198.22	7.380		
11,000.00	7,630.00	7,572.00	7,572.00	82.22	131.18	90.00	-1,438.76	2,966.80	1,385.10	1,187.63	197.47	7.014		
11,100.00	7,630.00	7,572.00	7,572.00	82.14	131.18	90.00	-1,438.76	2,966.80	1,310.28	1,113.68	196.61	6.664		
11,200.00	7,630.00	7,572.00	7,572.00	82.08	131.18	90.00	-1,438.76	2,966.80	1,239.03	1,043.41	195.62	6.334		
11,300.00	7,630.00	7,572.00	7,572.00	82.04	131.18	90.00	-1,438.76	2,966.80	1,171.99	977.49	194.50	6.026		
11,400.00	7,630.00	7,572.00	7,572.00	82.02	131.18	90.00	-1,438.76	2,966.80	1,109.91	916.67	193.24	5.744		
11,500.00	7,630.00	7,572.00	7,572.00	82.03	131.18	90.00	-1,438.76	2,966.80	1,053.69	861.82	191.86	5.492		
11,600.00	7,630.00	7,572.00	7,572.00	82.06	131.18	90.00	-1,438.76	2,966.80	1,004.30	813.88	190.41	5.274		
11,700.00	7,630.00	7,572.00	7,572.00	82.12	131.18	90.00	-1,438.76	2,966.80	962.79	773.82	188.97	5.095		
11,800.00	7,630.00	7,572.00	7,572.00	82.21	131.18	90.00	-1,438.76	2,966.80	930.22	742.58	187.64	4.957		
11,900.00	7,630.00	7,572.00	7,572.00	82.33	131.18	90.00	-1,438.76	2,966.80	907.56	720.98	186.58	4.864		
12,000.00	7,630.00	7,572.00	7,572.00	82.48	131.18	90.00	-1,438.76	2,966.80	895.56	709.63	185.92	4.817		
12,058.24	7,630.00	7,572.00	7,572.00	82.58	131.18	90.00	-1,438.76	2,966.80	893.66	707.88	185.78	4.810	CC, ES, SF	
12,100.00	7,630.00	7,572.00	7,572.00	82.66	131.18	90.00	-1,438.76	2,966.80	894.64	708.86	185.77	4.816		
12,200.00	7,630.00	7,572.00	7,572.00	82.88	131.18	90.00	-1,438.76	2,966.80	904.84	718.68	186.15	4.861		
12,300.00	7,630.00	7,572.00	7,572.00	83.14	131.18	90.00	-1,438.76	2,966.80	925.79	738.80	186.98	4.951		
12,400.00	7,630.00	7,572.00	7,572.00	83.44	131.18	90.00	-1,438.76	2,966.80	956.78	768.64	188.15	5.085		
12,500.00	7,630.00	7,572.00	7,572.00	83.79	131.18	90.00	-1,438.76	2,966.80	996.89	807.40	189.49	5.261		
12,600.00	7,630.00	7,572.00	7,572.00	84.18	131.18	90.00	-1,438.76	2,966.80	1,045.05	854.16	190.89	5.475		
12,700.00	7,630.00	7,572.00	7,572.00	84.61	131.18	90.00	-1,438.76	2,966.80	1,100.22	907.97	192.26	5.723		
12,800.00	7,630.00	7,572.00	7,572.00	85.10	131.18	90.00	-1,438.76	2,966.80	1,161.40	967.87	193.53	6.001		
12,900.00	7,630.00	7,572.00	7,572.00	85.64	131.18	90.00	-1,438.76	2,966.80	1,227.68	1,032.99	194.69	6.306		
13,000.00	7,630.00	7,572.00	7,572.00	86.22	131.18	90.00	-1,438.76	2,966.80	1,298.29	1,102.56	195.72	6.633		
13,100.00	7,630.00	7,572.00	7,572.00	86.86	131.18	90.00	-1,438.76	2,966.80	1,372.55	1,175.92	196.64	6.980		
13,200.00	7,630.00	7,572.00	7,572.00	87.56	131.18	90.00	-1,438.76	2,966.80	1,449.92	1,252.48	197.44	7.344		
13,300.00	7,630.00	7,572.00	7,572.00	88.30	131.18	90.00	-1,438.76	2,966.80	1,529.91	1,331.77	198.13	7.722		
13,400.00	7,630.00	7,572.00	7,572.00	89.10	131.18	90.00	-1,438.76	2,966.80	1,612.13	1,413.38	198.75	8.112		
13,500.00	7,630.00	7,572.00	7,572.00	89.94	131.18	90.00	-1,438.76	2,966.80	1,696.27	1,496.99	199.28	8.512		
13,600.00	7,630.00	7,572.00	7,572.00	90.84	131.18	90.00	-1,438.76	2,966.80	1,782.04	1,582.29	199.75	8.921		
13,700.00	7,630.00	7,572.00	7,572.00	91.78	131.18	90.00	-1,438.76	2,966.80	1,869.23	1,669.07	200.16	9.339		
13,800.00	7,630.00	7,572.00	7,572.00	92.77	131.18	90.00	-1,438.76	2,966.80	1,957.65	1,757.12	200.52	9.763		
13,900.00	7,630.00	7,572.00	7,572.00	93.79	131.18	90.00	-1,438.76	2,966.80	2,047.13	1,846.28	200.85	10.192		
14,000.00	7,630.00	7,572.00	7,572.00	94.86	131.18	90.00	-1,438.76	2,966.80	2,137.54	1,936.41	201.13	10.627		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST VERT HELEN 23-23 - OWB - Design #1													Offset Site Error: 0.00 usft	
Survey Program: 0-INC-ONLY													Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,100.00	7,630.00	7,572.00	7,572.00	95.97	131.18	90.00	-1,438.76	2,966.80	2,228.77	2,027.38	201.39	11.067		
14,200.00	7,630.00	7,572.00	7,572.00	97.11	131.18	90.00	-1,438.76	2,966.80	2,320.73	2,119.11	201.62	11.510		
14,300.00	7,630.00	7,572.00	7,572.00	98.28	131.18	90.00	-1,438.76	2,966.80	2,413.33	2,211.50	201.83	11.957		
14,400.00	7,630.00	7,572.00	7,572.00	99.48	131.18	90.00	-1,438.76	2,966.80	2,506.49	2,304.47	202.02	12.407		
14,500.00	7,630.00	7,572.00	7,572.00	100.72	131.18	90.00	-1,438.76	2,966.80	2,600.16	2,397.98	202.19	12.860		
14,600.00	7,630.00	7,572.00	7,572.00	101.97	131.18	90.00	-1,438.76	2,966.80	2,694.29	2,491.95	202.34	13.315		
14,700.00	7,630.00	7,572.00	7,572.00	103.26	131.18	90.00	-1,438.76	2,966.80	2,788.83	2,586.34	202.49	13.773		
14,800.00	7,630.00	7,572.00	7,572.00	104.56	131.18	90.00	-1,438.76	2,966.80	2,883.73	2,681.11	202.62	14.232		
14,900.00	7,630.00	7,572.00	7,572.00	105.89	131.18	90.00	-1,438.76	2,966.80	2,978.97	2,776.23	202.74	14.694		
15,000.00	7,630.00	7,572.00	7,572.00	107.24	131.18	90.00	-1,438.76	2,966.80	3,074.51	2,871.66	202.85	15.157		
15,100.00	7,630.00	7,572.00	7,572.00	108.60	131.18	90.00	-1,438.76	2,966.80	3,170.33	2,967.37	202.95	15.621		
15,200.00	7,630.00	7,572.00	7,572.00	109.98	131.18	90.00	-1,438.76	2,966.80	3,266.39	3,063.34	203.05	16.087		
15,300.00	7,630.00	7,572.00	7,572.00	111.38	131.18	90.00	-1,438.76	2,966.80	3,362.69	3,159.55	203.14	16.553		
15,400.00	7,630.00	7,572.00	7,572.00	112.79	131.18	90.00	-1,438.76	2,966.80	3,459.19	3,255.97	203.23	17.021		
15,500.00	7,630.00	7,572.00	7,572.00	114.22	131.18	90.00	-1,438.76	2,966.80	3,555.89	3,352.59	203.31	17.490		
15,600.00	7,630.00	7,572.00	7,572.00	115.66	131.18	90.00	-1,438.76	2,966.80	3,652.77	3,449.39	203.38	17.960		
15,700.00	7,630.00	7,572.00	7,572.00	117.11	131.18	90.00	-1,438.76	2,966.80	3,749.81	3,546.36	203.46	18.431		
15,800.00	7,630.00	7,572.00	7,572.00	118.57	131.18	90.00	-1,438.76	2,966.80	3,847.00	3,643.48	203.52	18.902		
15,900.00	7,630.00	7,572.00	7,572.00	120.05	131.18	90.00	-1,438.76	2,966.80	3,944.34	3,740.75	203.59	19.374		
16,000.00	7,630.00	7,572.00	7,572.00	121.53	131.18	90.00	-1,438.76	2,966.80	4,041.80	3,838.15	203.65	19.847		
16,100.00	7,630.00	7,572.00	7,572.00	123.03	131.18	90.00	-1,438.76	2,966.80	4,139.38	3,935.67	203.71	20.320		
16,200.00	7,630.00	7,572.00	7,572.00	124.53	131.18	90.00	-1,438.76	2,966.80	4,237.08	4,033.31	203.77	20.793		
16,300.00	7,630.00	7,572.00	7,572.00	126.04	131.18	90.00	-1,438.76	2,966.80	4,334.88	4,131.06	203.83	21.268		
16,400.00	7,630.00	7,572.00	7,572.00	127.56	131.18	90.00	-1,438.76	2,966.80	4,432.78	4,228.90	203.88	21.742		
16,500.00	7,630.00	7,572.00	7,572.00	129.09	131.18	90.00	-1,438.76	2,966.80	4,530.77	4,326.84	203.93	22.217		
16,600.00	7,630.00	7,572.00	7,572.00	130.62	131.18	90.00	-1,438.76	2,966.80	4,628.85	4,424.87	203.98	22.692		
16,700.00	7,630.00	7,572.00	7,572.00	132.16	131.18	90.00	-1,438.76	2,966.80	4,727.01	4,522.98	204.03	23.168		
16,800.00	7,630.00	7,572.00	7,572.00	133.71	131.18	90.00	-1,438.76	2,966.80	4,825.24	4,621.16	204.08	23.644		
16,900.00	7,630.00	7,572.00	7,572.00	135.27	131.18	90.00	-1,438.76	2,966.80	4,923.55	4,719.42	204.13	24.120		
17,000.00	7,630.00	7,572.00	7,572.00	136.83	131.18	90.00	-1,438.76	2,966.80	5,021.92	4,817.75	204.17	24.597		
17,100.00	7,630.00	7,572.00	7,572.00	138.39	131.18	90.00	-1,438.76	2,966.80	5,120.35	4,916.14	204.22	25.073		
17,200.00	7,630.00	7,572.00	7,572.00	139.97	131.18	90.00	-1,438.76	2,966.80	5,218.85	5,014.59	204.26	25.550		
17,300.00	7,630.00	7,572.00	7,572.00	141.54	131.18	90.00	-1,438.76	2,966.80	5,317.40	5,113.09	204.30	26.027		
17,400.00	7,630.00	7,572.00	7,572.00	143.12	131.18	90.00	-1,438.76	2,966.80	5,416.00	5,211.66	204.35	26.504		
17,500.00	7,630.00	7,572.00	7,572.00	144.71	131.18	90.00	-1,438.76	2,966.80	5,514.66	5,310.27	204.39	26.981		
17,600.00	7,630.00	7,572.00	7,572.00	146.30	131.18	90.00	-1,438.76	2,966.80	5,613.36	5,408.93	204.43	27.459		
17,700.00	7,630.00	7,572.00	7,572.00	147.90	131.18	90.00	-1,438.76	2,966.80	5,712.10	5,507.63	204.47	27.936		
17,800.00	7,630.00	7,572.00	7,572.00	149.50	131.18	90.00	-1,438.76	2,966.80	5,810.89	5,606.38	204.51	28.414		
17,900.00	7,630.00	7,572.00	7,572.00	151.10	131.18	90.00	-1,438.76	2,966.80	5,909.72	5,705.17	204.55	28.891		
18,000.00	7,630.00	7,572.00	7,572.00	152.71	131.18	90.00	-1,438.76	2,966.80	6,008.59	5,804.00	204.59	29.369		
18,100.00	7,630.00	7,572.00	7,572.00	154.32	131.18	90.00	-1,438.76	2,966.80	6,107.50	5,902.87	204.63	29.846		
18,200.00	7,630.00	7,572.00	7,572.00	155.94	131.18	90.00	-1,438.76	2,966.80	6,206.44	6,001.77	204.67	30.324		
18,300.00	7,630.00	7,572.00	7,572.00	157.56	131.18	90.00	-1,438.76	2,966.80	6,305.41	6,100.71	204.71	30.802		
18,400.00	7,630.00	7,572.00	7,572.00	159.18	131.18	90.00	-1,438.76	2,966.80	6,404.42	6,199.67	204.75	31.279		
18,500.00	7,630.00	7,572.00	7,572.00	160.80	131.18	90.00	-1,438.76	2,966.80	6,503.46	6,298.67	204.79	31.757		
18,600.00	7,630.00	7,572.00	7,572.00	162.43	131.18	90.00	-1,438.76	2,966.80	6,602.52	6,397.70	204.83	32.235		
18,700.00	7,630.00	7,572.00	7,572.00	164.06	131.18	90.00	-1,438.76	2,966.80	6,701.62	6,496.75	204.86	32.712		
18,800.00	7,630.00	7,572.00	7,572.00	165.70	131.18	90.00	-1,438.76	2,966.80	6,800.74	6,595.83	204.90	33.190		
18,900.00	7,630.00	7,572.00	7,572.00	167.33	131.18	90.00	-1,438.76	2,966.80	6,899.88	6,694.94	204.94	33.668		
19,000.00	7,630.00	7,572.00	7,572.00	168.97	131.18	90.00	-1,438.76	2,966.80	6,999.05	6,794.07	204.98	34.145		
19,021.79	7,630.00	7,572.00	7,572.00	169.33	131.18	90.00	-1,438.76	2,966.80	7,020.66	6,815.68	204.99	34.249		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST VERT HELEN 33-23 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	108.62	-1,434.93	4,257.69	4,493.14					
100.00	100.00	63.00	63.00	0.13	0.48	108.62	-1,434.93	4,257.69	4,492.99	4,492.37	0.61	7,332.672		
200.00	200.00	163.00	163.00	0.49	1.86	108.62	-1,434.93	4,257.69	4,492.99	4,490.63	2.35	1,910.547		
300.00	300.00	263.00	263.00	0.85	3.60	108.62	-1,434.93	4,257.69	4,492.99	4,488.53	4.46	1,008.419		
400.00	400.00	363.00	363.00	1.21	5.35	108.62	-1,434.93	4,257.69	4,492.99	4,486.43	6.56	684.982		
500.00	500.00	463.00	463.00	1.57	7.09	108.62	-1,434.93	4,257.69	4,492.99	4,484.32	8.66	518.636		
600.00	600.00	563.00	563.00	1.93	8.84	108.62	-1,434.93	4,257.69	4,492.99	4,482.22	10.77	417.297		
700.00	700.00	663.00	663.00	2.29	10.59	108.62	-1,434.93	4,257.69	4,492.99	4,480.11	12.87	349.087		
800.00	799.98	762.98	762.98	2.64	12.33	46.87	-1,434.93	4,257.69	4,491.79	4,476.82	14.97	300.060		
900.00	899.84	862.84	862.84	2.99	14.07	46.97	-1,434.93	4,257.69	4,488.21	4,471.15	17.06	263.009		
1,000.00	999.45	962.45	962.45	3.35	15.81	47.14	-1,434.93	4,257.69	4,482.26	4,463.10	19.16	233.936		
1,100.00	1,098.70	1,061.70	1,061.70	3.73	17.54	47.38	-1,434.93	4,257.69	4,473.96	4,452.70	21.26	210.483		
1,200.00	1,197.47	1,160.47	1,160.47	4.11	19.27	47.68	-1,434.93	4,257.69	4,463.33	4,439.97	23.35	191.132		
1,300.00	1,295.62	1,258.62	1,258.62	4.53	20.98	48.06	-1,434.93	4,257.69	4,450.40	4,424.95	25.45	174.863		
1,400.00	1,393.06	1,356.06	1,356.06	4.97	22.68	48.50	-1,434.93	4,257.69	4,435.21	4,407.66	27.55	160.967		
1,500.00	1,489.64	1,452.64	1,452.64	5.44	24.37	49.01	-1,434.93	4,257.69	4,417.81	4,388.15	29.66	148.936		
1,600.00	1,585.27	1,548.27	1,548.27	5.95	26.04	49.60	-1,434.93	4,257.69	4,398.26	4,366.48	31.78	138.398		
1,700.00	1,679.82	1,642.82	1,642.82	6.51	27.69	50.25	-1,434.93	4,257.69	4,376.62	4,342.71	33.91	129.074		
1,800.00	1,773.17	1,736.17	1,736.17	7.13	29.32	50.98	-1,434.93	4,257.69	4,352.95	4,316.90	36.05	120.749		
1,900.00	1,865.21	1,828.21	1,828.21	7.79	30.92	51.77	-1,434.93	4,257.69	4,327.34	4,289.13	38.21	113.260		
2,000.00	1,955.84	1,918.84	1,918.84	8.51	32.50	52.64	-1,434.93	4,257.69	4,299.86	4,259.48	40.38	106.476		
2,100.00	2,044.94	2,007.94	2,007.94	9.30	34.06	53.58	-1,434.93	4,257.69	4,270.61	4,228.03	42.58	100.294		
2,200.00	2,132.39	2,104.61	2,095.39	10.15	35.75	54.60	-1,434.93	4,257.69	4,239.69	4,194.73	44.96	94.292		
2,300.00	2,218.11	2,181.11	2,181.11	11.07	37.08	55.68	-1,434.93	4,257.69	4,207.21	4,160.16	47.05	89.418		
2,400.00	2,301.97	2,264.97	2,264.97	12.06	38.55	56.83	-1,434.93	4,257.69	4,173.28	4,123.95	49.33	84.601		
2,500.00	2,383.88	2,346.88	2,346.88	13.11	39.97	58.05	-1,434.93	4,257.69	4,138.01	4,086.38	51.64	80.135		
2,512.74	2,394.17	2,357.17	2,357.17	13.25	40.15	58.21	-1,434.93	4,257.69	4,133.43	4,081.50	51.94	79.588		
2,600.00	2,464.54	2,427.54	2,427.54	14.22	41.38	58.74	-1,434.93	4,257.69	4,102.19	4,048.21	53.98	75.996		
2,700.00	2,545.18	2,508.18	2,508.18	15.35	42.79	59.35	-1,434.93	4,257.69	4,066.90	4,010.54	56.35	72.169		
2,800.00	2,625.82	2,588.82	2,588.82	16.50	44.20	59.97	-1,434.93	4,257.69	4,032.16	3,973.41	58.76	68.626		
2,900.00	2,706.45	2,669.45	2,669.45	17.65	45.60	60.60	-1,434.93	4,257.69	3,998.00	3,936.82	61.19	65.342		
3,000.00	2,787.09	2,750.09	2,750.09	18.82	47.01	61.24	-1,434.93	4,257.69	3,964.43	3,900.79	63.64	62.293		
3,100.00	2,867.73	2,830.73	2,830.73	19.99	48.42	61.88	-1,434.93	4,257.69	3,931.46	3,865.34	66.12	59.459		
3,200.00	2,948.37	2,911.37	2,911.37	21.17	49.83	62.54	-1,434.93	4,257.69	3,899.10	3,830.48	68.62	56.821		
3,300.00	3,029.01	3,007.99	2,992.01	22.36	51.51	63.20	-1,434.93	4,257.69	3,867.39	3,795.96	71.42	54.148		
3,400.00	3,109.65	3,072.65	3,072.65	23.55	52.64	63.87	-1,434.93	4,257.69	3,836.32	3,762.63	73.68	52.064		
3,500.00	3,190.29	3,153.29	3,153.29	24.74	54.05	64.54	-1,434.93	4,257.69	3,805.91	3,729.67	76.25	49.917		
3,600.00	3,270.93	3,233.93	3,233.93	25.94	55.46	65.22	-1,434.93	4,257.69	3,776.19	3,697.37	78.82	47.907		
3,700.00	3,351.57	3,314.57	3,314.57	27.14	56.86	65.92	-1,434.93	4,257.69	3,747.16	3,665.75	81.42	46.023		
3,800.00	3,432.21	3,404.79	3,395.21	28.35	58.44	66.61	-1,434.93	4,257.69	3,718.85	3,634.65	84.20	44.168		
3,900.00	3,512.85	3,475.85	3,475.85	29.56	59.68	67.32	-1,434.93	4,257.69	3,691.27	3,604.61	86.66	42.595		
4,000.00	3,593.49	3,556.49	3,556.49	30.76	61.09	68.03	-1,434.93	4,257.69	3,664.44	3,575.14	89.30	41.034		
4,100.00	3,674.13	3,637.13	3,637.13	31.97	62.49	68.75	-1,434.93	4,257.69	3,638.37	3,546.41	91.96	39.565		
4,200.00	3,754.77	3,717.77	3,717.77	33.19	63.90	69.48	-1,434.93	4,257.69	3,613.08	3,518.45	94.63	38.182		
4,300.00	3,835.41	3,801.59	3,798.41	34.40	65.36	70.22	-1,434.93	4,257.69	3,588.58	3,491.22	97.37	36.856		
4,400.00	3,916.05	3,879.05	3,879.05	35.62	66.72	70.96	-1,434.93	4,257.69	3,564.90	3,464.90	100.01	35.647		
4,500.00	3,996.69	3,959.69	3,959.69	36.83	68.12	71.71	-1,434.93	4,257.69	3,542.05	3,439.34	102.71	34.485		
4,600.00	4,077.33	4,040.33	4,040.33	38.05	69.53	72.46	-1,434.93	4,257.69	3,520.04	3,414.62	105.43	33.388		
4,700.00	4,157.96	4,120.96	4,120.96	39.27	70.94	73.22	-1,434.93	4,257.69	3,498.90	3,390.75	108.15	32.351		
4,800.00	4,238.60	4,201.60	4,201.60	40.49	72.35	73.99	-1,434.93	4,257.69	3,478.63	3,367.74	110.89	31.371		
4,900.00	4,319.24	4,282.24	4,282.24	41.71	73.75	74.76	-1,434.93	4,257.69	3,459.25	3,345.63	113.63	30.444		
5,000.00	4,399.88	4,362.88	4,362.88	42.93	75.16	75.54	-1,434.93	4,257.69	3,440.78	3,324.41	116.37	29.567		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST VERT HELEN 33-23 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,480.52	4,443.52	4,443.52	44.15	76.57	76.33	-1,434.93	4,257.69	3,423.24	3,304.11	119.12	28.737		
5,200.00	4,561.16	4,524.16	4,524.16	45.37	77.98	77.12	-1,434.93	4,257.69	3,406.63	3,284.75	121.88	27.951		
5,300.00	4,641.80	4,604.80	4,604.80	46.59	79.38	77.91	-1,434.93	4,257.69	3,390.97	3,266.33	124.64	27.207		
5,400.00	4,722.44	4,685.44	4,685.44	47.82	80.79	78.71	-1,434.93	4,257.69	3,376.27	3,248.87	127.40	26.502		
5,500.00	4,803.08	4,766.08	4,766.08	49.04	82.20	79.51	-1,434.93	4,257.69	3,362.55	3,232.39	130.15	25.835		
5,600.00	4,883.72	4,846.72	4,846.72	50.27	83.61	80.32	-1,434.93	4,257.69	3,349.82	3,216.90	132.91	25.203		
5,700.00	4,964.36	4,927.36	4,927.36	51.49	85.01	81.13	-1,434.93	4,257.69	3,338.08	3,202.41	135.67	24.604		
5,800.00	5,045.00	5,008.00	5,008.00	52.71	86.42	81.95	-1,434.93	4,257.69	3,327.36	3,188.93	138.42	24.038		
5,900.00	5,125.64	5,088.64	5,088.64	53.94	87.83	82.77	-1,434.93	4,257.69	3,317.65	3,176.48	141.17	23.501		
6,000.00	5,206.28	5,169.28	5,169.28	55.17	89.23	83.59	-1,434.93	4,257.69	3,308.98	3,165.06	143.91	22.993		
6,100.00	5,286.92	5,249.92	5,249.92	56.39	90.64	84.42	-1,434.93	4,257.69	3,301.34	3,154.69	146.65	22.512		
6,200.00	5,367.56	5,330.56	5,330.56	57.62	92.05	85.24	-1,434.93	4,257.69	3,294.74	3,145.37	149.37	22.057		
6,300.00	5,448.20	5,411.20	5,411.20	58.84	93.46	86.07	-1,434.93	4,257.69	3,289.20	3,137.11	152.09	21.627		
6,400.00	5,528.84	5,508.17	5,491.84	60.07	95.15	86.90	-1,434.93	4,257.69	3,284.71	3,129.63	155.08	21.181		
6,500.00	5,609.47	5,572.47	5,572.47	61.30	96.27	87.73	-1,434.93	4,257.69	3,281.28	3,123.79	157.49	20.835		
6,600.00	5,690.11	5,653.11	5,653.11	62.53	97.68	88.57	-1,434.93	4,257.69	3,278.91	3,118.75	160.16	20.472		
6,700.00	5,770.75	5,733.75	5,733.75	63.75	99.09	89.40	-1,434.93	4,257.69	3,277.61	3,114.79	162.83	20.129		
6,771.93	5,828.76	5,808.24	5,791.76	64.64	100.39	90.00	-1,434.93	4,257.69	3,277.34	3,112.32	165.02	19.860		
6,800.00	5,851.39	5,814.39	5,814.39	64.98	100.49	90.23	-1,434.93	4,257.69	3,277.38	3,111.90	165.47	19.806		
6,900.00	5,932.03	5,904.97	5,895.03	66.21	102.08	91.07	-1,434.93	4,257.69	3,278.21	3,109.93	168.28	19.481		
7,000.00	6,012.67	5,975.67	5,975.67	67.44	103.31	91.90	-1,434.93	4,257.69	3,280.11	3,109.39	170.72	19.214		
7,100.00	6,093.31	6,056.31	6,056.31	68.66	104.72	92.73	-1,434.93	4,257.69	3,283.07	3,109.76	173.31	18.943		
7,200.00	6,173.95	6,136.95	6,136.95	69.89	106.12	93.56	-1,434.93	4,257.69	3,287.10	3,111.22	175.88	18.689		
7,300.00	6,254.59	6,217.59	6,217.59	71.12	107.53	94.39	-1,434.93	4,257.69	3,292.18	3,113.75	178.43	18.450		
7,400.00	6,335.23	6,301.77	6,298.23	72.35	109.00	95.22	-1,434.93	4,257.69	3,298.32	3,117.29	181.03	18.220		
7,500.00	6,415.87	6,378.87	6,378.87	73.58	110.35	96.05	-1,434.93	4,257.69	3,305.50	3,122.02	183.47	18.016		
7,600.00	6,496.51	6,459.51	6,459.51	74.81	111.75	96.87	-1,434.93	4,257.69	3,313.72	3,127.76	185.96	17.820		
7,700.00	6,577.15	6,540.15	6,540.15	76.04	113.16	97.69	-1,434.93	4,257.69	3,322.97	3,134.55	188.42	17.636		
7,800.00	6,657.79	6,620.79	6,620.79	77.27	114.57	98.51	-1,434.93	4,257.69	3,333.25	3,142.39	190.86	17.464		
7,900.00	6,738.43	6,701.43	6,701.43	78.50	115.98	99.32	-1,434.93	4,257.69	3,344.54	3,151.27	193.27	17.305		
8,000.00	6,819.07	6,782.07	6,782.07	79.73	117.38	100.13	-1,434.93	4,257.69	3,356.84	3,161.18	195.66	17.156		
8,100.00	6,899.71	6,862.71	6,862.71	80.96	118.79	100.94	-1,434.93	4,257.69	3,370.13	3,172.10	198.03	17.018		
8,200.00	6,980.35	6,943.35	6,943.35	82.18	120.20	101.74	-1,434.93	4,257.69	3,384.40	3,184.03	200.37	16.891		
8,240.58	7,013.07	6,976.07	6,976.07	82.68	120.77	102.06	-1,434.93	4,257.69	3,390.47	3,189.16	201.31	16.842		
8,250.00	7,020.68	6,983.68	6,983.68	82.80	120.90	100.97	-1,434.93	4,257.69	3,391.82	3,190.29	201.53	16.830		
8,300.00	7,061.63	7,024.63	7,024.63	83.40	121.62	94.72	-1,434.93	4,257.69	3,396.64	3,193.94	202.70	16.757		
8,350.00	7,103.23	7,066.23	7,066.23	83.97	122.34	87.79	-1,434.93	4,257.69	3,397.41	3,193.55	203.86	16.665		
8,400.00	7,145.18	7,108.18	7,108.18	84.51	123.08	80.43	-1,434.93	4,257.69	3,394.11	3,189.09	205.02	16.555		
8,450.00	7,187.16	7,150.16	7,150.16	85.01	123.81	72.98	-1,434.93	4,257.69	3,386.76	3,180.60	206.15	16.428		
8,500.00	7,228.84	7,208.16	7,191.84	85.46	124.82	65.74	-1,434.93	4,257.69	3,375.38	3,167.83	207.55	16.263		
8,550.00	7,269.91	7,232.91	7,232.91	85.86	125.25	58.99	-1,434.93	4,257.69	3,360.03	3,151.70	208.33	16.128		
8,600.00	7,310.05	7,273.05	7,273.05	86.20	125.95	52.88	-1,434.93	4,257.69	3,340.82	3,131.47	209.35	15.958		
8,650.00	7,348.97	7,311.97	7,311.97	86.50	126.63	47.45	-1,434.93	4,257.69	3,317.85	3,107.54	210.32	15.775		
8,700.00	7,386.36	7,349.36	7,349.36	86.74	127.28	42.67	-1,434.93	4,257.69	3,291.29	3,080.06	211.23	15.582		
8,750.00	7,421.94	7,384.94	7,384.94	86.93	127.91	38.45	-1,434.93	4,257.69	3,261.29	3,049.22	212.07	15.378		
8,800.00	7,455.44	7,418.44	7,418.44	87.07	128.49	34.70	-1,434.93	4,257.69	3,228.06	3,015.21	212.84	15.166		
8,850.00	7,486.61	7,449.61	7,449.61	87.16	129.03	31.27	-1,434.93	4,257.69	3,191.82	2,978.28	213.55	14.947		
8,900.00	7,515.20	7,478.20	7,478.20	87.20	129.53	28.03	-1,434.93	4,257.69	3,152.84	2,938.66	214.18	14.721		
8,950.00	7,541.00	7,504.00	7,504.00	87.21	129.98	24.78	-1,434.93	4,257.69	3,111.37	2,896.64	214.73	14.490		
9,000.00	7,563.81	7,526.81	7,526.81	87.17	130.38	21.26	-1,434.93	4,257.69	3,067.71	2,852.51	215.20	14.255		
9,050.00	7,583.47	7,546.47	7,546.47	87.10	130.72	17.05	-1,434.93	4,257.69	3,022.18	2,806.59	215.59	14.018		
9,100.00	7,599.81	7,562.81	7,562.81	87.00	131.01	11.29	-1,434.93	4,257.69	2,975.11	2,759.21	215.90	13.780		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST VERT HELEN 33-23 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,150.00	7,612.72	7,575.72	7,575.72	86.88	131.24	2.11	-1,434.93	4,257.69	2,926.85	2,710.71	216.14	13.542		
9,200.00	7,622.09	7,585.09	7,585.09	86.72	131.40	-15.18	-1,434.93	4,257.69	2,877.76	2,661.47	216.29	13.305		
9,250.00	7,627.87	7,609.14	7,590.87	86.55	131.82	-48.86	-1,434.93	4,257.69	2,828.21	2,611.53	216.68	13.052		
9,303.98	7,630.00	7,607.00	7,593.00	86.35	131.78	-90.00	-1,434.93	4,257.69	2,774.67	2,558.06	216.60	12.810		
9,400.00	7,630.00	7,607.00	7,593.00	85.99	131.78	-90.00	-1,434.93	4,257.69	2,679.67	2,463.16	216.51	12.376		
9,500.00	7,630.00	7,607.00	7,593.00	85.62	131.78	-90.00	-1,434.93	4,257.69	2,580.82	2,364.40	216.41	11.925		
9,600.00	7,630.00	7,607.00	7,593.00	85.28	131.78	-90.00	-1,434.93	4,257.69	2,482.06	2,265.75	216.30	11.475		
9,700.00	7,630.00	7,607.00	7,593.00	84.95	131.78	-90.00	-1,434.93	4,257.69	2,383.40	2,167.22	216.18	11.025		
9,800.00	7,630.00	7,607.00	7,593.00	84.64	131.78	-90.00	-1,434.93	4,257.69	2,284.86	2,068.81	216.04	10.576		
9,900.00	7,630.00	7,607.00	7,593.00	84.34	131.78	-90.00	-1,434.93	4,257.69	2,186.45	1,970.55	215.90	10.127		
10,000.00	7,630.00	7,607.00	7,593.00	84.06	131.78	-90.00	-1,434.93	4,257.69	2,088.19	1,872.46	215.73	9.680		
10,100.00	7,630.00	7,607.00	7,593.00	83.80	131.78	-90.00	-1,434.93	4,257.69	1,990.11	1,774.56	215.54	9.233		
10,200.00	7,630.00	7,607.00	7,593.00	83.56	131.78	-90.00	-1,434.93	4,257.69	1,892.23	1,676.89	215.33	8.787		
10,300.00	7,630.00	7,607.00	7,593.00	83.33	131.78	-90.00	-1,434.93	4,257.69	1,794.58	1,579.48	215.10	8.343		
10,400.00	7,630.00	7,607.00	7,593.00	83.12	131.78	-90.00	-1,434.93	4,257.69	1,697.20	1,482.38	214.82	7.900		
10,500.00	7,630.00	7,607.00	7,593.00	82.92	131.78	-90.00	-1,434.93	4,257.69	1,600.15	1,385.64	214.51	7.460		
10,600.00	7,630.00	7,607.00	7,593.00	82.75	131.78	-90.00	-1,434.93	4,257.69	1,503.48	1,289.34	214.14	7.021		
10,700.00	7,630.00	7,607.00	7,593.00	82.59	131.78	-90.00	-1,434.93	4,257.69	1,407.29	1,193.57	213.71	6.585		
10,800.00	7,630.00	7,607.00	7,593.00	82.45	131.78	-90.00	-1,434.93	4,257.69	1,311.65	1,098.45	213.20	6.152		
10,900.00	7,630.00	7,607.00	7,593.00	82.33	131.78	-90.00	-1,434.93	4,257.69	1,216.73	1,004.14	212.59	5.723		
11,000.00	7,630.00	7,607.00	7,593.00	82.22	131.78	-90.00	-1,434.93	4,257.69	1,122.68	910.84	211.84	5.300		
11,100.00	7,630.00	7,607.00	7,593.00	82.14	131.78	-90.00	-1,434.93	4,257.69	1,029.76	818.84	210.91	4.882		
11,200.00	7,630.00	7,607.00	7,593.00	82.08	131.78	-90.00	-1,434.93	4,257.69	938.29	728.54	209.75	4.473		
11,300.00	7,630.00	7,607.00	7,593.00	82.04	131.78	-90.00	-1,434.93	4,257.69	848.75	640.48	208.27	4.075		
11,400.00	7,630.00	7,607.00	7,593.00	82.02	131.78	-90.00	-1,434.93	4,257.69	761.81	555.47	206.34	3.692		
11,500.00	7,630.00	7,607.00	7,593.00	82.03	131.78	-90.00	-1,434.93	4,257.69	678.49	474.67	203.82	3.329		
11,600.00	7,630.00	7,607.00	7,593.00	82.06	131.78	-90.00	-1,434.93	4,257.69	600.28	399.77	200.51	2.994		
11,700.00	7,630.00	7,607.00	7,593.00	82.12	131.78	-90.00	-1,434.93	4,257.69	529.45	333.21	196.24	2.698		
11,800.00	7,630.00	7,607.00	7,593.00	82.21	131.78	-90.00	-1,434.93	4,257.69	469.37	278.16	191.21	2.455		
11,900.00	7,630.00	7,607.00	7,593.00	82.33	131.78	-90.00	-1,434.93	4,257.69	424.61	238.02	186.59	2.276		
12,000.00	7,630.00	7,607.00	7,593.00	82.48	131.78	-90.00	-1,434.93	4,257.69	400.35	215.26	185.08	2.163		
12,050.07	7,630.00	7,607.00	7,593.00	82.57	131.78	-90.00	-1,434.93	4,257.69	397.20	210.92	186.29	2.132 CC, ES		
12,100.00	7,630.00	7,607.00	7,593.00	82.66	131.78	-90.00	-1,434.93	4,257.69	400.33	211.61	188.72	2.121 SF		
12,200.00	7,630.00	7,607.00	7,593.00	82.88	131.78	-90.00	-1,434.93	4,257.69	424.56	228.96	195.60	2.171		
12,300.00	7,630.00	7,607.00	7,593.00	83.14	131.78	-90.00	-1,434.93	4,257.69	469.30	266.87	202.42	2.318		
12,400.00	7,630.00	7,607.00	7,593.00	83.44	131.78	-90.00	-1,434.93	4,257.69	529.36	321.68	207.69	2.549		
12,500.00	7,630.00	7,607.00	7,593.00	83.79	131.78	-90.00	-1,434.93	4,257.69	600.18	388.82	211.35	2.840		
12,600.00	7,630.00	7,607.00	7,593.00	84.18	131.78	-90.00	-1,434.93	4,257.69	678.38	464.56	213.82	3.173		
12,700.00	7,630.00	7,607.00	7,593.00	84.61	131.78	-90.00	-1,434.93	4,257.69	761.70	546.22	215.48	3.535		
12,800.00	7,630.00	7,607.00	7,593.00	85.10	131.78	-90.00	-1,434.93	4,257.69	848.63	632.01	216.62	3.918		
12,900.00	7,630.00	7,607.00	7,593.00	85.64	131.78	-90.00	-1,434.93	4,257.69	938.17	720.77	217.40	4.315		
13,000.00	7,630.00	7,607.00	7,593.00	86.22	131.78	-90.00	-1,434.93	4,257.69	1,029.63	811.68	217.95	4.724		
13,100.00	7,630.00	7,607.00	7,593.00	86.86	131.78	-90.00	-1,434.93	4,257.69	1,122.56	904.21	218.35	5.141		
13,200.00	7,630.00	7,607.00	7,593.00	87.56	131.78	-90.00	-1,434.93	4,257.69	1,216.60	997.96	218.64	5.564		
13,300.00	7,630.00	7,607.00	7,593.00	88.30	131.78	-90.00	-1,434.93	4,257.69	1,311.53	1,092.68	218.85	5.993		
13,400.00	7,630.00	7,607.00	7,593.00	89.10	131.78	-90.00	-1,434.93	4,257.69	1,407.16	1,188.15	219.01	6.425		
13,500.00	7,630.00	7,607.00	7,593.00	89.94	131.78	-90.00	-1,434.93	4,257.69	1,503.36	1,284.23	219.12	6.861		
13,600.00	7,630.00	7,607.00	7,593.00	90.84	131.78	-90.00	-1,434.93	4,257.69	1,600.02	1,380.81	219.21	7.299		
13,700.00	7,630.00	7,607.00	7,593.00	91.78	131.78	-90.00	-1,434.93	4,257.69	1,697.07	1,477.79	219.28	7.739		
13,800.00	7,630.00	7,607.00	7,593.00	92.77	131.78	-90.00	-1,434.93	4,257.69	1,794.45	1,575.11	219.33	8.181		
13,900.00	7,630.00	7,607.00	7,593.00	93.79	131.78	-90.00	-1,434.93	4,257.69	1,892.10	1,672.72	219.37	8.625		
14,000.00	7,630.00	7,607.00	7,593.00	94.86	131.78	-90.00	-1,434.93	4,257.69	1,989.98	1,770.57	219.40	9.070		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST VERT HELEN 33-23 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,100.00	7,630.00	7,607.00	7,593.00	95.97	131.78	-90.00	-1,434.93	4,257.69	2,088.06	1,868.63	219.43	9.516		
14,200.00	7,630.00	7,607.00	7,593.00	97.11	131.78	-90.00	-1,434.93	4,257.69	2,186.32	1,966.87	219.45	9.963		
14,300.00	7,630.00	7,607.00	7,593.00	98.28	131.78	-90.00	-1,434.93	4,257.69	2,284.73	2,065.27	219.46	10.411		
14,400.00	7,630.00	7,607.00	7,593.00	99.48	131.78	-90.00	-1,434.93	4,257.69	2,383.27	2,163.79	219.47	10.859		
14,500.00	7,630.00	7,607.00	7,593.00	100.72	131.78	-90.00	-1,434.93	4,257.69	2,481.92	2,262.44	219.48	11.308		
14,600.00	7,630.00	7,607.00	7,593.00	101.97	131.78	-90.00	-1,434.93	4,257.69	2,580.68	2,361.20	219.49	11.758		
14,700.00	7,630.00	7,607.00	7,593.00	103.26	131.78	-90.00	-1,434.93	4,257.69	2,679.54	2,460.04	219.49	12.208		
14,800.00	7,630.00	7,607.00	7,593.00	104.56	131.78	-90.00	-1,434.93	4,257.69	2,778.47	2,558.97	219.50	12.658		
14,900.00	7,630.00	7,607.00	7,593.00	105.89	131.78	-90.00	-1,434.93	4,257.69	2,877.48	2,657.98	219.50	13.109		
15,000.00	7,630.00	7,607.00	7,593.00	107.24	131.78	-90.00	-1,434.93	4,257.69	2,976.55	2,757.05	219.51	13.560		
15,100.00	7,630.00	7,607.00	7,593.00	108.60	131.78	-90.00	-1,434.93	4,257.69	3,075.69	2,856.18	219.51	14.011		
15,200.00	7,630.00	7,607.00	7,593.00	109.98	131.78	-90.00	-1,434.93	4,257.69	3,174.88	2,955.36	219.52	14.463		
15,300.00	7,630.00	7,607.00	7,593.00	111.38	131.78	-90.00	-1,434.93	4,257.69	3,274.12	3,054.60	219.52	14.915		
15,400.00	7,630.00	7,607.00	7,593.00	112.79	131.78	-90.00	-1,434.93	4,257.69	3,373.40	3,153.88	219.52	15.367		
15,500.00	7,630.00	7,607.00	7,593.00	114.22	131.78	-90.00	-1,434.93	4,257.69	3,472.72	3,253.20	219.53	15.819		
15,600.00	7,630.00	7,607.00	7,593.00	115.66	131.78	-90.00	-1,434.93	4,257.69	3,572.09	3,352.55	219.53	16.271		
15,700.00	7,630.00	7,607.00	7,593.00	117.11	131.78	-90.00	-1,434.93	4,257.69	3,671.48	3,451.94	219.54	16.724		
15,800.00	7,630.00	7,607.00	7,593.00	118.57	131.78	-90.00	-1,434.93	4,257.69	3,770.91	3,551.37	219.54	17.176		
15,900.00	7,630.00	7,607.00	7,593.00	120.05	131.78	-90.00	-1,434.93	4,257.69	3,870.37	3,650.82	219.55	17.629		
16,000.00	7,630.00	7,607.00	7,593.00	121.53	131.78	-90.00	-1,434.93	4,257.69	3,969.85	3,750.30	219.56	18.081		
16,100.00	7,630.00	7,607.00	7,593.00	123.03	131.78	-90.00	-1,434.93	4,257.69	4,069.37	3,849.80	219.56	18.534		
16,200.00	7,630.00	7,607.00	7,593.00	124.53	131.78	-90.00	-1,434.93	4,257.69	4,168.90	3,949.33	219.57	18.987		
16,300.00	7,630.00	7,607.00	7,593.00	126.04	131.78	-90.00	-1,434.93	4,257.69	4,268.45	4,048.88	219.58	19.439		
16,400.00	7,630.00	7,607.00	7,593.00	127.56	131.78	-90.00	-1,434.93	4,257.69	4,368.03	4,148.45	219.58	19.892		
16,500.00	7,630.00	7,607.00	7,593.00	129.09	131.78	-90.00	-1,434.93	4,257.69	4,467.63	4,248.03	219.59	20.345		
16,600.00	7,630.00	7,607.00	7,593.00	130.62	131.78	-90.00	-1,434.93	4,257.69	4,567.24	4,347.64	219.60	20.798		
16,700.00	7,630.00	7,607.00	7,593.00	132.16	131.78	-90.00	-1,434.93	4,257.69	4,666.87	4,447.26	219.61	21.251		
16,800.00	7,630.00	7,607.00	7,593.00	133.71	131.78	-90.00	-1,434.93	4,257.69	4,766.51	4,546.89	219.62	21.703		
16,900.00	7,630.00	7,607.00	7,593.00	135.27	131.78	-90.00	-1,434.93	4,257.69	4,866.17	4,646.54	219.63	22.156		
17,000.00	7,630.00	7,607.00	7,593.00	136.83	131.78	-90.00	-1,434.93	4,257.69	4,965.84	4,746.20	219.64	22.609		
17,100.00	7,630.00	7,607.00	7,593.00	138.39	131.78	-90.00	-1,434.93	4,257.69	5,065.53	4,845.88	219.65	23.061		
17,200.00	7,630.00	7,607.00	7,593.00	139.97	131.78	-90.00	-1,434.93	4,257.69	5,165.23	4,945.56	219.67	23.514		
17,300.00	7,630.00	7,607.00	7,593.00	141.54	131.78	-90.00	-1,434.93	4,257.69	5,264.94	5,045.26	219.68	23.967		
17,400.00	7,630.00	7,607.00	7,593.00	143.12	131.78	-90.00	-1,434.93	4,257.69	5,364.66	5,144.97	219.69	24.419		
17,500.00	7,630.00	7,607.00	7,593.00	144.71	131.78	-90.00	-1,434.93	4,257.69	5,464.39	5,244.69	219.70	24.872		
17,600.00	7,630.00	7,607.00	7,593.00	146.30	131.78	-90.00	-1,434.93	4,257.69	5,564.13	5,344.41	219.72	25.324		
17,700.00	7,630.00	7,607.00	7,593.00	147.90	131.78	-90.00	-1,434.93	4,257.69	5,663.88	5,444.15	219.73	25.776		
17,800.00	7,630.00	7,607.00	7,593.00	149.50	131.78	-90.00	-1,434.93	4,257.69	5,763.64	5,543.89	219.75	26.229		
17,900.00	7,630.00	7,607.00	7,593.00	151.10	131.78	-90.00	-1,434.93	4,257.69	5,863.40	5,643.64	219.76	26.681		
18,000.00	7,630.00	7,607.00	7,593.00	152.71	131.78	-90.00	-1,434.93	4,257.69	5,963.18	5,743.40	219.78	27.133		
18,100.00	7,630.00	7,607.00	7,593.00	154.32	131.78	-90.00	-1,434.93	4,257.69	6,062.96	5,843.17	219.79	27.585		
18,200.00	7,630.00	7,607.00	7,593.00	155.94	131.78	-90.00	-1,434.93	4,257.69	6,162.75	5,942.94	219.81	28.037		
18,300.00	7,630.00	7,607.00	7,593.00	157.56	131.78	-90.00	-1,434.93	4,257.69	6,262.54	6,042.72	219.83	28.489		
18,400.00	7,630.00	7,607.00	7,593.00	159.18	131.78	-90.00	-1,434.93	4,257.69	6,362.34	6,142.50	219.84	28.940		
18,500.00	7,630.00	7,607.00	7,593.00	160.80	131.78	-90.00	-1,434.93	4,257.69	6,462.15	6,242.29	219.86	29.392		
18,600.00	7,630.00	7,607.00	7,593.00	162.43	131.78	-90.00	-1,434.93	4,257.69	6,561.97	6,342.09	219.88	29.844		
18,700.00	7,630.00	7,607.00	7,593.00	164.06	131.78	-90.00	-1,434.93	4,257.69	6,661.79	6,441.89	219.90	30.295		
18,800.00	7,630.00	7,607.00	7,593.00	165.70	131.78	-90.00	-1,434.93	4,257.69	6,761.61	6,541.69	219.92	30.746		
18,900.00	7,630.00	7,607.00	7,593.00	167.33	131.78	-90.00	-1,434.93	4,257.69	6,861.44	6,641.51	219.93	31.198		
19,000.00	7,630.00	7,607.00	7,593.00	168.97	131.78	-90.00	-1,434.93	4,257.69	6,961.27	6,741.32	219.95	31.649		
19,021.79	7,630.00	7,607.00	7,593.00	169.33	131.78	-90.00	-1,434.93	4,257.69	6,983.03	6,763.07	219.96	31.747		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST VERT HELEN 34-23 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	123.96	-3,055.97	4,538.00	5,471.24					
100.00	100.00	54.00	54.00	0.13	0.41	123.96	-3,055.97	4,538.00	5,471.05	5,470.50	0.55	9,963.344		
200.00	200.00	154.00	154.00	0.49	1.71	123.96	-3,055.97	4,538.00	5,471.05	5,468.85	2.20	2,483.091		
300.00	300.00	254.00	254.00	0.85	3.46	123.96	-3,055.97	4,538.00	5,471.05	5,466.74	4.31	1,270.233		
400.00	400.00	354.00	354.00	1.21	5.20	123.96	-3,055.97	4,538.00	5,471.05	5,464.64	6.41	853.395		
500.00	500.00	454.00	454.00	1.57	6.95	123.96	-3,055.97	4,538.00	5,471.05	5,462.53	8.51	642.540		
600.00	600.00	554.00	554.00	1.93	8.69	123.96	-3,055.97	4,538.00	5,471.05	5,460.43	10.62	515.236		
700.00	700.00	654.00	654.00	2.29	10.44	123.96	-3,055.97	4,538.00	5,471.05	5,458.33	12.72	430.035		
800.00	799.98	753.98	753.98	2.64	12.18	62.20	-3,055.97	4,538.00	5,470.23	5,455.41	14.82	369.079		
900.00	899.84	853.84	853.84	2.99	13.92	62.29	-3,055.97	4,538.00	5,467.79	5,450.88	16.92	323.219		
1,000.00	999.45	953.45	953.45	3.35	15.66	62.45	-3,055.97	4,538.00	5,463.74	5,444.73	19.01	287.363		
1,100.00	1,098.70	1,052.70	1,052.70	3.73	17.40	62.66	-3,055.97	4,538.00	5,458.09	5,436.98	21.11	258.523		
1,200.00	1,197.47	1,151.47	1,151.47	4.11	19.12	62.93	-3,055.97	4,538.00	5,450.87	5,427.65	23.22	234.783		
1,300.00	1,295.62	1,249.62	1,249.62	4.53	20.83	63.27	-3,055.97	4,538.00	5,442.11	5,416.78	25.33	214.863		
1,400.00	1,393.06	1,347.06	1,347.06	4.97	22.53	63.66	-3,055.97	4,538.00	5,431.84	5,404.39	27.45	197.879		
1,500.00	1,489.64	1,443.64	1,443.64	5.44	24.22	64.11	-3,055.97	4,538.00	5,420.13	5,390.54	29.59	183.197		
1,600.00	1,585.27	1,539.27	1,539.27	5.95	25.89	64.62	-3,055.97	4,538.00	5,407.01	5,375.28	31.74	170.355		
1,700.00	1,679.82	1,633.82	1,633.82	6.51	27.54	65.18	-3,055.97	4,538.00	5,392.56	5,358.65	33.91	159.010		
1,800.00	1,773.17	1,727.17	1,727.17	7.13	29.17	65.80	-3,055.97	4,538.00	5,376.83	5,340.72	36.11	148.899		
1,900.00	1,865.21	1,819.21	1,819.21	7.79	30.77	66.47	-3,055.97	4,538.00	5,359.90	5,321.57	38.33	139.819		
2,000.00	1,955.84	1,909.84	1,909.84	8.51	32.36	67.19	-3,055.97	4,538.00	5,341.85	5,301.27	40.59	131.613		
2,100.00	2,044.94	2,001.06	1,998.94	9.30	33.95	67.96	-3,055.97	4,538.00	5,322.77	5,279.86	42.91	124.046		
2,200.00	2,132.39	2,086.39	2,086.39	10.15	35.44	68.77	-3,055.97	4,538.00	5,302.75	5,257.56	45.19	117.341		
2,300.00	2,218.11	2,172.11	2,172.11	11.07	36.93	69.63	-3,055.97	4,538.00	5,281.88	5,234.33	47.55	111.092		
2,400.00	2,301.97	2,255.97	2,255.97	12.06	38.40	70.52	-3,055.97	4,538.00	5,260.27	5,210.33	49.94	105.340		
2,500.00	2,383.88	2,337.88	2,337.88	13.11	39.83	71.45	-3,055.97	4,538.00	5,238.03	5,185.66	52.37	100.029		
2,512.74	2,394.17	2,348.17	2,348.17	13.25	40.01	71.57	-3,055.97	4,538.00	5,235.15	5,182.48	52.68	99.382		
2,600.00	2,464.54	2,418.54	2,418.54	14.22	41.23	72.01	-3,055.97	4,538.00	5,215.66	5,160.83	54.83	95.128		
2,700.00	2,545.18	2,500.82	2,499.18	15.35	42.67	72.53	-3,055.97	4,538.00	5,193.87	5,136.52	57.35	90.570		
2,800.00	2,625.82	2,579.82	2,579.82	16.50	44.05	73.04	-3,055.97	4,538.00	5,172.66	5,112.82	59.83	86.455		
2,900.00	2,706.45	2,660.45	2,660.45	17.65	45.46	73.56	-3,055.97	4,538.00	5,152.04	5,089.67	62.36	82.613		
3,000.00	2,787.09	2,741.09	2,741.09	18.82	46.86	74.08	-3,055.97	4,538.00	5,132.01	5,067.10	64.91	79.059		
3,100.00	2,867.73	2,821.73	2,821.73	19.99	48.27	74.60	-3,055.97	4,538.00	5,112.60	5,045.12	67.48	75.765		
3,200.00	2,948.37	2,902.37	2,902.37	21.17	49.68	75.13	-3,055.97	4,538.00	5,093.80	5,023.74	70.06	72.708		
3,300.00	3,029.01	2,983.01	2,983.01	22.36	51.09	75.66	-3,055.97	4,538.00	5,075.61	5,002.96	72.65	69.864		
3,400.00	3,109.65	3,063.65	3,063.65	23.55	52.49	76.19	-3,055.97	4,538.00	5,058.05	4,982.80	75.25	67.215		
3,500.00	3,190.29	3,144.29	3,144.29	24.74	53.90	76.72	-3,055.97	4,538.00	5,041.13	4,963.27	77.86	64.742		
3,600.00	3,270.93	3,224.93	3,224.93	25.94	55.31	77.26	-3,055.97	4,538.00	5,024.84	4,944.36	80.49	62.432		
3,700.00	3,351.57	3,305.57	3,305.57	27.14	56.72	77.80	-3,055.97	4,538.00	5,009.20	4,926.09	83.11	60.269		
3,800.00	3,432.21	3,386.21	3,386.21	28.35	58.12	78.34	-3,055.97	4,538.00	4,994.21	4,908.46	85.75	58.241		
3,900.00	3,512.85	3,466.85	3,466.85	29.56	59.53	78.88	-3,055.97	4,538.00	4,979.88	4,891.49	88.39	56.337		
4,000.00	3,593.49	3,547.49	3,547.49	30.76	60.94	79.43	-3,055.97	4,538.00	4,966.21	4,875.17	91.04	54.548		
4,100.00	3,674.13	3,628.13	3,628.13	31.97	62.35	79.97	-3,055.97	4,538.00	4,953.21	4,859.52	93.70	52.865		
4,200.00	3,754.77	3,708.77	3,708.77	33.19	63.75	80.52	-3,055.97	4,538.00	4,940.89	4,844.53	96.35	51.278		
4,300.00	3,835.41	3,789.41	3,789.41	34.40	65.16	81.07	-3,055.97	4,538.00	4,929.24	4,830.22	99.02	49.782		
4,400.00	3,916.05	3,870.05	3,870.05	35.62	66.57	81.62	-3,055.97	4,538.00	4,918.27	4,816.59	101.68	48.370		
4,500.00	3,996.69	3,950.69	3,950.69	36.83	67.98	82.18	-3,055.97	4,538.00	4,908.00	4,803.65	104.35	47.035		
4,600.00	4,077.33	4,031.33	4,031.33	38.05	69.38	82.73	-3,055.97	4,538.00	4,898.41	4,791.39	107.02	45.772		
4,700.00	4,157.96	4,111.96	4,111.96	39.27	70.79	83.29	-3,055.97	4,538.00	4,889.52	4,779.84	109.69	44.577		
4,800.00	4,238.60	4,202.40	4,192.60	40.49	72.46	83.85	-3,055.97	4,538.00	4,881.34	4,768.72	112.62	43.345		
4,900.00	4,319.24	4,273.24	4,273.24	41.71	73.60	84.41	-3,055.97	4,538.00	4,873.85	4,758.82	115.03	42.370		
5,000.00	4,399.88	4,353.88	4,353.88	42.93	75.01	84.97	-3,055.97	4,538.00	4,867.08	4,749.38	117.70	41.351		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST VERT HELEN 34-23 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,480.52	4,434.52	4,434.52	44.15	76.42	85.53	-3,055.97	4,538.00	4,861.01	4,740.64	120.37	40.384		
5,200.00	4,561.16	4,515.16	4,515.16	45.37	77.83	86.09	-3,055.97	4,538.00	4,855.66	4,732.62	123.04	39.465		
5,300.00	4,641.80	4,604.20	4,595.80	46.59	79.38	86.65	-3,055.97	4,538.00	4,851.02	4,725.17	125.85	38.546		
5,400.00	4,722.44	4,676.44	4,676.44	47.82	80.64	87.21	-3,055.97	4,538.00	4,847.10	4,718.73	128.37	37.760		
5,500.00	4,803.08	4,757.08	4,757.08	49.04	82.05	87.78	-3,055.97	4,538.00	4,843.89	4,712.87	131.02	36.969		
5,600.00	4,883.72	4,837.72	4,837.72	50.27	83.46	88.34	-3,055.97	4,538.00	4,841.41	4,707.73	133.68	36.216		
5,700.00	4,964.36	4,918.36	4,918.36	51.49	84.86	88.91	-3,055.97	4,538.00	4,839.65	4,703.32	136.33	35.499		
5,800.00	5,045.00	5,001.00	4,999.00	52.71	86.31	89.47	-3,055.97	4,538.00	4,838.61	4,699.60	139.01	34.807		
5,893.71	5,120.57	5,074.57	5,074.57	53.86	87.59	90.00	-3,055.97	4,538.00	4,838.30	4,696.84	141.45	34.205		
5,900.00	5,125.64	5,079.64	5,079.64	53.94	87.68	90.04	-3,055.97	4,538.00	4,838.30	4,696.68	141.62	34.165		
6,000.00	5,206.28	5,160.28	5,160.28	55.17	89.09	90.60	-3,055.97	4,538.00	4,838.70	4,694.45	144.25	33.544		
6,100.00	5,286.92	5,240.92	5,240.92	56.39	90.49	91.16	-3,055.97	4,538.00	4,839.83	4,692.95	146.88	32.951		
6,200.00	5,367.56	5,321.56	5,321.56	57.62	91.90	91.73	-3,055.97	4,538.00	4,841.68	4,692.18	149.50	32.386		
6,300.00	5,448.20	5,402.20	5,402.20	58.84	93.31	92.29	-3,055.97	4,538.00	4,844.26	4,692.14	152.11	31.846		
6,400.00	5,528.84	5,482.84	5,482.84	60.07	94.72	92.86	-3,055.97	4,538.00	4,847.55	4,692.83	154.72	31.331		
6,500.00	5,609.47	5,563.47	5,563.47	61.30	96.12	93.42	-3,055.97	4,538.00	4,851.56	4,694.25	157.32	30.840		
6,600.00	5,690.11	5,644.11	5,644.11	62.53	97.53	93.98	-3,055.97	4,538.00	4,856.29	4,696.39	159.90	30.370		
6,700.00	5,770.75	5,724.75	5,724.75	63.75	98.94	94.54	-3,055.97	4,538.00	4,861.73	4,699.25	162.48	29.922		
6,800.00	5,851.39	5,805.39	5,805.39	64.98	100.35	95.10	-3,055.97	4,538.00	4,867.89	4,702.84	165.05	29.493		
6,900.00	5,932.03	5,886.03	5,886.03	66.21	101.75	95.66	-3,055.97	4,538.00	4,874.76	4,707.14	167.61	29.084		
7,000.00	6,012.67	5,966.67	5,966.67	67.44	103.16	96.22	-3,055.97	4,538.00	4,882.33	4,712.17	170.16	28.693		
7,100.00	6,093.31	6,047.31	6,047.31	68.66	104.57	96.78	-3,055.97	4,538.00	4,890.60	4,717.91	172.70	28.319		
7,200.00	6,173.95	6,127.95	6,127.95	69.89	105.98	97.34	-3,055.97	4,538.00	4,899.58	4,724.35	175.23	27.962		
7,300.00	6,254.59	6,208.59	6,208.59	71.12	107.38	97.89	-3,055.97	4,538.00	4,909.25	4,731.51	177.74	27.620		
7,400.00	6,335.23	6,289.23	6,289.23	72.35	108.79	98.44	-3,055.97	4,538.00	4,919.61	4,739.37	180.25	27.294		
7,500.00	6,415.87	6,369.87	6,369.87	73.58	110.20	99.00	-3,055.97	4,538.00	4,930.66	4,747.93	182.74	26.982		
7,600.00	6,496.51	6,450.51	6,450.51	74.81	111.61	99.55	-3,055.97	4,538.00	4,942.40	4,757.18	185.22	26.684		
7,700.00	6,577.15	6,531.15	6,531.15	76.04	113.01	100.09	-3,055.97	4,538.00	4,954.81	4,767.12	187.69	26.399		
7,800.00	6,657.79	6,611.79	6,611.79	77.27	114.42	100.64	-3,055.97	4,538.00	4,967.90	4,777.75	190.14	26.127		
7,900.00	6,738.43	6,702.43	6,702.43	78.50	115.83	101.19	-3,055.97	4,538.00	4,981.65	4,788.80	192.55	25.832		
8,000.00	6,819.07	6,773.07	6,773.07	79.73	117.23	101.73	-3,055.97	4,538.00	4,996.06	4,801.05	195.01	25.619		
8,100.00	6,899.71	6,853.71	6,853.71	80.96	118.64	102.27	-3,055.97	4,538.00	5,011.14	4,813.70	197.43	25.382		
8,200.00	6,980.35	6,934.35	6,934.35	82.18	120.05	102.81	-3,055.97	4,538.00	5,026.86	4,827.02	199.84	25.155		
8,240.58	7,013.07	6,967.07	6,967.07	82.68	120.62	103.02	-3,055.97	4,538.00	5,033.42	4,832.61	200.81	25.066		
8,250.00	7,020.68	6,974.68	6,974.68	82.80	120.75	101.91	-3,055.97	4,538.00	5,034.88	4,833.85	201.03	25.045		
8,300.00	7,061.63	7,015.63	7,015.63	83.40	121.47	95.53	-3,055.97	4,538.00	5,040.22	4,837.98	202.24	24.922		
8,350.00	7,103.23	7,057.23	7,057.23	83.97	122.19	88.48	-3,055.97	4,538.00	5,041.42	4,837.98	203.44	24.780		
8,400.00	7,145.18	7,100.82	7,099.18	84.51	122.96	81.01	-3,055.97	4,538.00	5,038.48	4,833.81	204.67	24.617		
8,450.00	7,187.16	7,141.16	7,141.16	85.01	123.66	73.44	-3,055.97	4,538.00	5,031.40	4,825.57	205.83	24.445		
8,500.00	7,228.84	7,182.84	7,182.84	85.46	124.39	66.09	-3,055.97	4,538.00	5,020.22	4,813.25	206.98	24.255		
8,550.00	7,269.91	7,223.91	7,223.91	85.86	125.10	59.23	-3,055.97	4,538.00	5,005.02	4,796.93	208.09	24.052		
8,600.00	7,310.05	7,264.05	7,264.05	86.20	125.80	53.01	-3,055.97	4,538.00	4,985.88	4,776.73	209.16	23.838		
8,650.00	7,348.97	7,302.97	7,302.97	86.50	126.48	47.46	-3,055.97	4,538.00	4,962.95	4,752.78	210.16	23.615		
8,700.00	7,386.36	7,340.36	7,340.36	86.74	127.14	42.56	-3,055.97	4,538.00	4,936.36	4,725.25	211.11	23.383		
8,750.00	7,421.94	7,375.94	7,375.94	86.93	127.76	38.21	-3,055.97	4,538.00	4,906.31	4,694.32	211.99	23.144		
8,800.00	7,455.44	7,409.44	7,409.44	87.07	128.34	34.31	-3,055.97	4,538.00	4,873.01	4,660.21	212.80	22.899		
8,850.00	7,486.61	7,440.61	7,440.61	87.16	128.89	30.72	-3,055.97	4,538.00	4,836.69	4,623.15	213.53	22.651		
8,900.00	7,515.20	7,469.20	7,469.20	87.20	129.38	27.28	-3,055.97	4,538.00	4,797.60	4,583.42	214.18	22.399		
8,950.00	7,541.00	7,505.00	7,495.00	87.21	130.01	23.79	-3,055.97	4,538.00	4,756.04	4,541.11	214.93	22.128		
9,000.00	7,563.81	7,517.81	7,517.81	87.17	130.23	19.97	-3,055.97	4,538.00	4,712.30	4,497.06	215.24	21.893		
9,050.00	7,583.47	7,537.47	7,537.47	87.10	130.58	15.34	-3,055.97	4,538.00	4,666.70	4,451.06	215.64	21.641		
9,100.00	7,599.81	7,553.81	7,553.81	87.00	130.86	8.98	-3,055.97	4,538.00	4,619.59	4,403.63	215.96	21.391		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST VERT HELEN 34-23 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,150.00	7,612.72	7,566.72	7,566.72	86.88	131.09	-1.09	-3,055.97	4,538.00	4,571.31	4,355.12	216.19	21.145		
9,200.00	7,622.09	7,576.09	7,576.09	86.72	131.25	-19.48	-3,055.97	4,538.00	4,522.23	4,305.90	216.33	20.904		
9,250.00	7,627.87	7,581.87	7,581.87	86.55	131.35	-52.44	-3,055.97	4,538.00	4,472.73	4,256.34	216.40	20.669		
9,303.98	7,630.00	7,584.00	7,584.00	86.35	131.39	-90.00	-3,055.97	4,538.00	4,419.27	4,202.89	216.37	20.424		
9,400.00	7,630.00	7,584.00	7,584.00	85.99	131.39	-90.00	-3,055.97	4,538.00	4,324.42	4,108.17	216.25	19.998		
9,500.00	7,630.00	7,584.00	7,584.00	85.62	131.39	-90.00	-3,055.97	4,538.00	4,225.71	4,009.60	216.11	19.554		
9,600.00	7,630.00	7,584.00	7,584.00	85.28	131.39	-90.00	-3,055.97	4,538.00	4,127.05	3,911.09	215.96	19.110		
9,700.00	7,630.00	7,584.00	7,584.00	84.95	131.39	-90.00	-3,055.97	4,538.00	4,028.46	3,812.65	215.81	18.667		
9,800.00	7,630.00	7,584.00	7,584.00	84.64	131.39	-90.00	-3,055.97	4,538.00	3,929.95	3,714.30	215.65	18.224		
9,900.00	7,630.00	7,584.00	7,584.00	84.34	131.39	-90.00	-3,055.97	4,538.00	3,831.51	3,616.03	215.48	17.781		
10,000.00	7,630.00	7,584.00	7,584.00	84.06	131.39	-90.00	-3,055.97	4,538.00	3,733.15	3,517.85	215.31	17.339		
10,100.00	7,630.00	7,584.00	7,584.00	83.80	131.39	-90.00	-3,055.97	4,538.00	3,634.89	3,419.77	215.12	16.897		
10,200.00	7,630.00	7,584.00	7,584.00	83.56	131.39	-90.00	-3,055.97	4,538.00	3,536.72	3,321.79	214.92	16.456		
10,300.00	7,630.00	7,584.00	7,584.00	83.33	131.39	-90.00	-3,055.97	4,538.00	3,438.65	3,223.94	214.72	16.015		
10,400.00	7,630.00	7,584.00	7,584.00	83.12	131.39	-90.00	-3,055.97	4,538.00	3,340.71	3,126.21	214.49	15.575		
10,500.00	7,630.00	7,584.00	7,584.00	82.92	131.39	-90.00	-3,055.97	4,538.00	3,242.88	3,028.62	214.26	15.135		
10,600.00	7,630.00	7,584.00	7,584.00	82.75	131.39	-90.00	-3,055.97	4,538.00	3,145.20	2,931.18	214.01	14.696		
10,700.00	7,630.00	7,584.00	7,584.00	82.59	131.39	-90.00	-3,055.97	4,538.00	3,047.66	2,833.91	213.75	14.258		
10,800.00	7,630.00	7,584.00	7,584.00	82.45	131.39	-90.00	-3,055.97	4,538.00	2,950.29	2,736.83	213.46	13.821		
10,900.00	7,630.00	7,584.00	7,584.00	82.33	131.39	-90.00	-3,055.97	4,538.00	2,853.10	2,639.94	213.16	13.385		
11,000.00	7,630.00	7,584.00	7,584.00	82.22	131.39	-90.00	-3,055.97	4,538.00	2,756.11	2,543.28	212.83	12.950		
11,100.00	7,630.00	7,584.00	7,584.00	82.14	131.39	-90.00	-3,055.97	4,538.00	2,659.34	2,446.86	212.48	12.516		
11,200.00	7,630.00	7,584.00	7,584.00	82.08	131.39	-90.00	-3,055.97	4,538.00	2,562.83	2,350.72	212.11	12.083		
11,300.00	7,630.00	7,584.00	7,584.00	82.04	131.39	-90.00	-3,055.97	4,538.00	2,466.59	2,254.89	211.70	11.651		
11,400.00	7,630.00	7,584.00	7,584.00	82.02	131.39	-90.00	-3,055.97	4,538.00	2,370.66	2,159.40	211.26	11.222		
11,500.00	7,630.00	7,584.00	7,584.00	82.03	131.39	-90.00	-3,055.97	4,538.00	2,275.08	2,064.30	210.78	10.794		
11,600.00	7,630.00	7,584.00	7,584.00	82.06	131.39	-90.00	-3,055.97	4,538.00	2,179.90	1,969.64	210.26	10.368		
11,700.00	7,630.00	7,584.00	7,584.00	82.12	131.39	-90.00	-3,055.97	4,538.00	2,085.17	1,875.48	209.69	9.944		
11,800.00	7,630.00	7,584.00	7,584.00	82.21	131.39	-90.00	-3,055.97	4,538.00	1,990.95	1,781.88	209.07	9.523		
11,900.00	7,630.00	7,584.00	7,584.00	82.33	131.39	-90.00	-3,055.97	4,538.00	1,897.33	1,688.94	208.39	9.105		
12,000.00	7,630.00	7,584.00	7,584.00	82.48	131.39	-90.00	-3,055.97	4,538.00	1,804.39	1,596.75	207.64	8.690		
12,100.00	7,630.00	7,584.00	7,584.00	82.66	131.39	-90.00	-3,055.97	4,538.00	1,712.25	1,505.44	206.82	8.279		
12,200.00	7,630.00	7,584.00	7,584.00	82.88	131.39	-90.00	-3,055.97	4,538.00	1,621.04	1,415.14	205.90	7.873		
12,300.00	7,630.00	7,584.00	7,584.00	83.14	131.39	-90.00	-3,055.97	4,538.00	1,530.93	1,326.03	204.90	7.472		
12,400.00	7,630.00	7,584.00	7,584.00	83.44	131.39	-90.00	-3,055.97	4,538.00	1,442.12	1,238.34	203.79	7.077		
12,500.00	7,630.00	7,584.00	7,584.00	83.79	131.39	-90.00	-3,055.97	4,538.00	1,354.88	1,152.31	202.57	6.689		
12,600.00	7,630.00	7,584.00	7,584.00	84.18	131.39	-90.00	-3,055.97	4,538.00	1,269.51	1,068.28	201.23	6.309		
12,700.00	7,630.00	7,584.00	7,584.00	84.61	131.39	-90.00	-3,055.97	4,538.00	1,186.44	986.64	199.79	5.938		
12,800.00	7,630.00	7,584.00	7,584.00	85.10	131.39	-90.00	-3,055.97	4,538.00	1,106.17	907.90	198.27	5.579		
12,900.00	7,630.00	7,584.00	7,584.00	85.64	131.39	-90.00	-3,055.97	4,538.00	1,029.36	832.63	196.72	5.232		
13,000.00	7,630.00	7,584.00	7,584.00	86.22	131.39	-90.00	-3,055.97	4,538.00	956.84	761.58	195.26	4.900		
13,100.00	7,630.00	7,584.00	7,584.00	86.86	131.39	-90.00	-3,055.97	4,538.00	889.67	695.59	194.08	4.584		
13,200.00	7,630.00	7,584.00	7,584.00	87.56	131.39	-90.00	-3,055.97	4,538.00	829.15	635.69	193.46	4.286		
13,300.00	7,630.00	7,584.00	7,584.00	88.30	131.39	-90.00	-3,055.97	4,538.00	776.82	583.04	193.78	4.009		
13,400.00	7,630.00	7,584.00	7,584.00	89.10	131.39	-90.00	-3,055.97	4,538.00	734.45	539.01	195.44	3.758		
13,500.00	7,630.00	7,584.00	7,584.00	89.94	131.39	-90.00	-3,055.97	4,538.00	703.84	505.21	198.64	3.543		
13,600.00	7,630.00	7,584.00	7,584.00	90.84	131.39	-90.00	-3,055.97	4,538.00	686.56	483.37	203.19	3.379		
13,670.15	7,630.00	7,584.00	7,584.00	91.49	131.39	-90.00	-3,055.97	4,538.00	682.97	476.04	206.92	3.301 CC		
13,700.00	7,630.00	7,584.00	7,584.00	91.78	131.39	-90.00	-3,055.97	4,538.00	683.62	475.05	208.57	3.278 ES		
13,800.00	7,630.00	7,584.00	7,584.00	92.77	131.39	-90.00	-3,055.97	4,538.00	695.20	481.18	214.02	3.248 SF		
13,900.00	7,630.00	7,584.00	7,584.00	93.79	131.39	-90.00	-3,055.97	4,538.00	720.61	501.67	218.94	3.291		
14,000.00	7,630.00	7,584.00	7,584.00	94.86	131.39	-90.00	-3,055.97	4,538.00	758.45	535.48	222.96	3.402		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST VERT HELEN 34-23 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,100.00	7,630.00	7,584.00	7,584.00	95.97	131.39	-90.00	-3,055.97	4,538.00	806.98	580.96	226.02	3.570		
14,200.00	7,630.00	7,584.00	7,584.00	97.11	131.39	-90.00	-3,055.97	4,538.00	864.40	636.20	228.20	3.788		
14,300.00	7,630.00	7,584.00	7,584.00	98.28	131.39	-90.00	-3,055.97	4,538.00	929.06	699.39	229.67	4.045		
14,400.00	7,630.00	7,584.00	7,584.00	99.48	131.39	-90.00	-3,055.97	4,538.00	999.56	768.95	230.61	4.334		
14,500.00	7,630.00	7,584.00	7,584.00	100.72	131.39	-90.00	-3,055.97	4,538.00	1,074.75	843.59	231.17	4.649		
14,600.00	7,630.00	7,584.00	7,584.00	101.97	131.39	-90.00	-3,055.97	4,538.00	1,153.72	922.27	231.45	4.985		
14,700.00	7,630.00	7,584.00	7,584.00	103.26	131.39	-90.00	-3,055.97	4,538.00	1,235.73	1,004.19	231.55	5.337		
14,800.00	7,630.00	7,584.00	7,584.00	104.56	131.39	-90.00	-3,055.97	4,538.00	1,320.23	1,088.71	231.52	5.702		
14,900.00	7,630.00	7,584.00	7,584.00	105.89	131.39	-90.00	-3,055.97	4,538.00	1,406.76	1,175.35	231.41	6.079		
15,000.00	7,630.00	7,584.00	7,584.00	107.24	131.39	-90.00	-3,055.97	4,538.00	1,494.97	1,263.73	231.24	6.465		
15,100.00	7,630.00	7,584.00	7,584.00	108.60	131.39	-90.00	-3,055.97	4,538.00	1,584.59	1,353.55	231.04	6.858		
15,200.00	7,630.00	7,584.00	7,584.00	109.98	131.39	-90.00	-3,055.97	4,538.00	1,675.38	1,444.56	230.82	7.258		
15,300.00	7,630.00	7,584.00	7,584.00	111.38	131.39	-90.00	-3,055.97	4,538.00	1,767.16	1,536.57	230.59	7.664		
15,400.00	7,630.00	7,584.00	7,584.00	112.79	131.39	-90.00	-3,055.97	4,538.00	1,859.79	1,629.43	230.36	8.073		
15,500.00	7,630.00	7,584.00	7,584.00	114.22	131.39	-90.00	-3,055.97	4,538.00	1,953.15	1,723.02	230.13	8.487		
15,600.00	7,630.00	7,584.00	7,584.00	115.66	131.39	-90.00	-3,055.97	4,538.00	2,047.14	1,817.23	229.91	8.904		
15,700.00	7,630.00	7,584.00	7,584.00	117.11	131.39	-90.00	-3,055.97	4,538.00	2,141.67	1,911.98	229.69	9.324		
15,800.00	7,630.00	7,584.00	7,584.00	118.57	131.39	-90.00	-3,055.97	4,538.00	2,236.67	2,007.19	229.48	9.747		
15,900.00	7,630.00	7,584.00	7,584.00	120.05	131.39	-90.00	-3,055.97	4,538.00	2,332.10	2,102.82	229.28	10.172		
16,000.00	7,630.00	7,584.00	7,584.00	121.53	131.39	-90.00	-3,055.97	4,538.00	2,427.89	2,198.81	229.08	10.598		
16,100.00	7,630.00	7,584.00	7,584.00	123.03	131.39	-90.00	-3,055.97	4,538.00	2,524.01	2,295.11	228.90	11.027		
16,200.00	7,630.00	7,584.00	7,584.00	124.53	131.39	-90.00	-3,055.97	4,538.00	2,620.42	2,391.69	228.72	11.457		
16,300.00	7,630.00	7,584.00	7,584.00	126.04	131.39	-90.00	-3,055.97	4,538.00	2,717.09	2,488.53	228.56	11.888		
16,400.00	7,630.00	7,584.00	7,584.00	127.56	131.39	-90.00	-3,055.97	4,538.00	2,813.99	2,585.59	228.40	12.320		
16,500.00	7,630.00	7,584.00	7,584.00	129.09	131.39	-90.00	-3,055.97	4,538.00	2,911.10	2,682.85	228.25	12.754		
16,600.00	7,630.00	7,584.00	7,584.00	130.62	131.39	-90.00	-3,055.97	4,538.00	3,008.40	2,780.29	228.11	13.189		
16,700.00	7,630.00	7,584.00	7,584.00	132.16	131.39	-90.00	-3,055.97	4,538.00	3,105.87	2,877.90	227.97	13.624		
16,800.00	7,630.00	7,584.00	7,584.00	133.71	131.39	-90.00	-3,055.97	4,538.00	3,203.50	2,975.66	227.84	14.060		
16,900.00	7,630.00	7,584.00	7,584.00	135.27	131.39	-90.00	-3,055.97	4,538.00	3,301.27	3,073.55	227.72	14.497		
17,000.00	7,630.00	7,584.00	7,584.00	136.83	131.39	-90.00	-3,055.97	4,538.00	3,399.17	3,171.56	227.61	14.934		
17,100.00	7,630.00	7,584.00	7,584.00	138.39	131.39	-90.00	-3,055.97	4,538.00	3,497.19	3,269.69	227.50	15.372		
17,200.00	7,630.00	7,584.00	7,584.00	139.97	131.39	-90.00	-3,055.97	4,538.00	3,595.32	3,367.92	227.39	15.811		
17,300.00	7,630.00	7,584.00	7,584.00	141.54	131.39	-90.00	-3,055.97	4,538.00	3,693.54	3,466.25	227.30	16.250		
17,400.00	7,630.00	7,584.00	7,584.00	143.12	131.39	-90.00	-3,055.97	4,538.00	3,791.86	3,564.66	227.20	16.689		
17,500.00	7,630.00	7,584.00	7,584.00	144.71	131.39	-90.00	-3,055.97	4,538.00	3,890.27	3,663.16	227.11	17.129		
17,600.00	7,630.00	7,584.00	7,584.00	146.30	131.39	-90.00	-3,055.97	4,538.00	3,988.76	3,761.73	227.03	17.569		
17,700.00	7,630.00	7,584.00	7,584.00	147.90	131.39	-90.00	-3,055.97	4,538.00	4,087.31	3,860.36	226.95	18.010		
17,800.00	7,630.00	7,584.00	7,584.00	149.50	131.39	-90.00	-3,055.97	4,538.00	4,185.94	3,959.07	226.88	18.450		
17,900.00	7,630.00	7,584.00	7,584.00	151.10	131.39	-90.00	-3,055.97	4,538.00	4,284.63	4,057.83	226.80	18.891		
18,000.00	7,630.00	7,584.00	7,584.00	152.71	131.39	-90.00	-3,055.97	4,538.00	4,383.38	4,156.65	226.74	19.332		
18,100.00	7,630.00	7,584.00	7,584.00	154.32	131.39	-90.00	-3,055.97	4,538.00	4,482.19	4,255.52	226.67	19.774		
18,200.00	7,630.00	7,584.00	7,584.00	155.94	131.39	-90.00	-3,055.97	4,538.00	4,581.05	4,354.43	226.61	20.215		
18,300.00	7,630.00	7,584.00	7,584.00	157.56	131.39	-90.00	-3,055.97	4,538.00	4,679.95	4,453.40	226.56	20.657		
18,400.00	7,630.00	7,584.00	7,584.00	159.18	131.39	-90.00	-3,055.97	4,538.00	4,778.91	4,552.40	226.50	21.099		
18,500.00	7,630.00	7,584.00	7,584.00	160.80	131.39	-90.00	-3,055.97	4,538.00	4,877.90	4,651.45	226.45	21.541		
18,600.00	7,630.00	7,584.00	7,584.00	162.43	131.39	-90.00	-3,055.97	4,538.00	4,976.93	4,750.53	226.40	21.983		
18,700.00	7,630.00	7,584.00	7,584.00	164.06	131.39	-90.00	-3,055.97	4,538.00	5,076.01	4,849.65	226.36	22.425		
18,800.00	7,630.00	7,584.00	7,584.00	165.70	131.39	-90.00	-3,055.97	4,538.00	5,175.11	4,948.80	226.31	22.867		
18,900.00	7,630.00	7,584.00	7,584.00	167.33	131.39	-90.00	-3,055.97	4,538.00	5,274.26	5,047.99	226.27	23.309		
19,000.00	7,630.00	7,584.00	7,584.00	168.97	131.39	-90.00	-3,055.97	4,538.00	5,373.43	5,147.20	226.23	23.752		
19,021.79	7,630.00	7,584.00	7,584.00	169.33	131.39	-90.00	-3,055.97	4,538.00	5,395.04	5,168.82	226.22	23.848		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST VERT HELEN 43-23 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	105.06	-1,580.32	5,873.43	6,082.56					
100.00	100.00	46.00	46.00	0.13	0.35	105.06	-1,580.32	5,873.43	6,082.32	6,081.83	0.49	N/A		
200.00	200.00	146.00	146.00	0.49	1.57	105.06	-1,580.32	5,873.43	6,082.32	6,080.25	2.06	2,947.293		
300.00	300.00	246.00	246.00	0.85	3.32	105.06	-1,580.32	5,873.43	6,082.32	6,078.15	4.17	1,459.465		
400.00	400.00	346.00	346.00	1.21	5.06	105.06	-1,580.32	5,873.43	6,082.32	6,076.05	6.27	969.866		
500.00	500.00	446.00	446.00	1.57	6.81	105.06	-1,580.32	5,873.43	6,082.32	6,073.94	8.38	726.238		
600.00	600.00	546.00	546.00	1.93	8.55	105.06	-1,580.32	5,873.43	6,082.32	6,071.84	10.48	580.435		
700.00	700.00	646.00	646.00	2.29	10.30	105.06	-1,580.32	5,873.43	6,082.32	6,069.73	12.58	483.387		
800.00	799.98	745.98	745.98	2.64	12.04	43.30	-1,580.32	5,873.43	6,081.05	6,066.36	14.68	414.194		
900.00	899.84	845.84	845.84	2.99	13.79	43.39	-1,580.32	5,873.43	6,077.24	6,060.46	16.78	362.238		
1,000.00	999.45	945.45	945.45	3.35	15.52	43.53	-1,580.32	5,873.43	6,070.90	6,052.03	18.87	321.688		
1,100.00	1,098.70	1,044.70	1,044.70	3.73	17.26	43.73	-1,580.32	5,873.43	6,062.05	6,041.08	20.97	289.130		
1,200.00	1,197.47	1,143.47	1,143.47	4.11	18.98	43.99	-1,580.32	5,873.43	6,050.70	6,027.64	23.06	262.378		
1,300.00	1,295.62	1,241.62	1,241.62	4.53	20.69	44.31	-1,580.32	5,873.43	6,036.89	6,011.73	25.16	239.974		
1,400.00	1,393.06	1,339.06	1,339.06	4.97	22.39	44.69	-1,580.32	5,873.43	6,020.64	5,993.39	27.25	220.908		
1,500.00	1,489.64	1,435.64	1,435.64	5.44	24.08	45.13	-1,580.32	5,873.43	6,002.00	5,972.64	29.36	204.460		
1,600.00	1,585.27	1,531.27	1,531.27	5.95	25.75	45.63	-1,580.32	5,873.43	5,981.00	5,949.54	31.46	190.102		
1,700.00	1,679.82	1,625.82	1,625.82	6.51	27.40	46.19	-1,580.32	5,873.43	5,957.70	5,924.13	33.58	177.439		
1,800.00	1,773.17	1,719.17	1,719.17	7.13	29.03	46.82	-1,580.32	5,873.43	5,932.16	5,896.46	35.70	166.171		
1,900.00	1,865.21	1,811.21	1,811.21	7.79	30.63	47.51	-1,580.32	5,873.43	5,904.43	5,866.60	37.83	156.064		
2,000.00	1,955.84	1,901.84	1,901.84	8.51	32.22	48.26	-1,580.32	5,873.43	5,874.58	5,834.60	39.98	146.935		
2,100.00	2,044.94	2,009.06	1,990.94	9.30	34.09	49.08	-1,580.32	5,873.43	5,842.69	5,800.23	42.46	137.605		
2,200.00	2,132.39	2,078.39	2,078.39	10.15	35.30	49.97	-1,580.32	5,873.43	5,808.83	5,764.51	44.32	131.057		
2,300.00	2,218.11	2,164.11	2,164.11	11.07	36.79	50.92	-1,580.32	5,873.43	5,773.09	5,726.57	46.52	124.096		
2,400.00	2,301.97	2,247.97	2,247.97	12.06	38.26	51.93	-1,580.32	5,873.43	5,735.55	5,686.81	48.74	117.676		
2,500.00	2,383.88	2,329.88	2,329.88	13.11	39.69	53.02	-1,580.32	5,873.43	5,696.32	5,645.34	50.98	111.733		
2,512.74	2,394.17	2,340.17	2,340.17	13.25	39.87	53.16	-1,580.32	5,873.43	5,691.20	5,639.93	51.27	111.004		
2,600.00	2,464.54	2,410.54	2,410.54	14.22	41.09	53.53	-1,580.32	5,873.43	5,656.20	5,602.96	53.25	106.225		
2,700.00	2,545.18	2,508.82	2,491.18	15.35	42.81	53.95	-1,580.32	5,873.43	5,616.41	5,560.56	55.85	100.567		
2,800.00	2,625.82	2,571.82	2,571.82	16.50	43.91	54.38	-1,580.32	5,873.43	5,576.96	5,519.10	57.86	96.391		
2,900.00	2,706.45	2,652.45	2,652.45	17.65	45.32	54.82	-1,580.32	5,873.43	5,537.86	5,477.66	60.20	91.993		
3,000.00	2,787.09	2,733.09	2,733.09	18.82	46.72	55.26	-1,580.32	5,873.43	5,499.12	5,436.56	62.56	87.899		
3,100.00	2,867.73	2,813.73	2,813.73	19.99	48.13	55.70	-1,580.32	5,873.43	5,460.74	5,395.80	64.94	84.083		
3,200.00	2,948.37	2,905.63	2,894.37	21.17	49.74	56.15	-1,580.32	5,873.43	5,422.74	5,355.20	67.54	80.286		
3,300.00	3,029.01	2,975.01	2,975.01	22.36	50.95	56.61	-1,580.32	5,873.43	5,385.12	5,315.35	69.77	77.189		
3,400.00	3,109.65	3,055.65	3,055.65	23.55	52.35	57.07	-1,580.32	5,873.43	5,347.88	5,275.68	72.20	74.069		
3,500.00	3,190.29	3,136.29	3,136.29	24.74	53.76	57.53	-1,580.32	5,873.43	5,311.05	5,236.39	74.65	71.142		
3,600.00	3,270.93	3,216.93	3,216.93	25.94	55.17	58.00	-1,580.32	5,873.43	5,274.62	5,197.50	77.12	68.393		
3,700.00	3,351.57	3,302.43	3,297.57	27.14	56.66	58.47	-1,580.32	5,873.43	5,238.60	5,158.91	79.69	65.736		
3,800.00	3,432.21	3,378.21	3,378.21	28.35	57.98	58.95	-1,580.32	5,873.43	5,203.01	5,120.91	82.11	63.370		
3,900.00	3,512.85	3,458.85	3,458.85	29.56	59.39	59.44	-1,580.32	5,873.43	5,167.85	5,083.23	84.62	61.073		
4,000.00	3,593.49	3,539.49	3,539.49	30.76	60.80	59.92	-1,580.32	5,873.43	5,133.13	5,045.99	87.15	58.903		
4,100.00	3,674.13	3,620.13	3,620.13	31.97	62.21	60.42	-1,580.32	5,873.43	5,098.86	5,009.17	89.69	56.852		
4,200.00	3,754.77	3,700.77	3,700.77	33.19	63.61	60.91	-1,580.32	5,873.43	5,065.05	4,972.81	92.24	54.910		
4,300.00	3,835.41	3,781.41	3,781.41	34.40	65.02	61.42	-1,580.32	5,873.43	5,031.71	4,936.90	94.81	53.071		
4,400.00	3,916.05	3,862.05	3,862.05	35.62	66.43	61.93	-1,580.32	5,873.43	4,998.84	4,901.45	97.39	51.327		
4,500.00	3,996.69	3,942.69	3,942.69	36.83	67.84	62.44	-1,580.32	5,873.43	4,966.46	4,866.47	99.99	49.671		
4,600.00	4,077.33	4,023.33	4,023.33	38.05	69.24	62.96	-1,580.32	5,873.43	4,934.58	4,831.98	102.59	48.098		
4,700.00	4,157.96	4,103.96	4,103.96	39.27	70.65	63.48	-1,580.32	5,873.43	4,903.20	4,797.98	105.21	46.602		
4,800.00	4,238.60	4,184.60	4,184.60	40.49	72.06	64.00	-1,580.32	5,873.43	4,872.34	4,764.49	107.85	45.179		
4,900.00	4,319.24	4,265.24	4,265.24	41.71	73.47	64.54	-1,580.32	5,873.43	4,842.00	4,731.51	110.49	43.823		
5,000.00	4,399.88	4,345.88	4,345.88	42.93	74.87	65.07	-1,580.32	5,873.43	4,812.20	4,699.05	113.14	42.531		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST VERT HELEN 43-23 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INCL-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,480.52	4,426.52	4,426.52	44.15	76.28	65.61	-1,580.32	5,873.43	4,782.94	4,667.13	115.81	41.299		
5,200.00	4,561.16	4,507.16	4,507.16	45.37	77.69	66.16	-1,580.32	5,873.43	4,754.24	4,635.75	118.49	40.124		
5,300.00	4,641.80	4,587.80	4,587.80	46.59	79.09	66.71	-1,580.32	5,873.43	4,726.11	4,604.93	121.18	39.001		
5,400.00	4,722.44	4,668.44	4,668.44	47.82	80.50	67.27	-1,580.32	5,873.43	4,698.55	4,574.67	123.88	37.929		
5,500.00	4,803.08	4,749.08	4,749.08	49.04	81.91	67.83	-1,580.32	5,873.43	4,671.58	4,544.99	126.59	36.905		
5,600.00	4,883.72	4,829.72	4,829.72	50.27	83.32	68.39	-1,580.32	5,873.43	4,645.20	4,515.90	129.30	35.925		
5,700.00	4,964.36	4,910.36	4,910.36	51.49	84.72	68.96	-1,580.32	5,873.43	4,619.43	4,487.40	132.03	34.987		
5,800.00	5,045.00	5,009.00	4,991.00	52.71	86.45	69.53	-1,580.32	5,873.43	4,594.28	4,459.20	135.08	34.011		
5,900.00	5,125.64	5,071.64	5,071.64	53.94	87.54	70.11	-1,580.32	5,873.43	4,569.76	4,432.24	137.51	33.232		
6,000.00	5,206.28	5,152.28	5,152.28	55.17	88.95	70.69	-1,580.32	5,873.43	4,545.87	4,405.60	140.26	32.409		
6,100.00	5,286.92	5,232.92	5,232.92	56.39	90.35	71.28	-1,580.32	5,873.43	4,522.63	4,379.60	143.02	31.622		
6,200.00	5,367.56	5,313.56	5,313.56	57.62	91.76	71.87	-1,580.32	5,873.43	4,500.04	4,354.25	145.79	30.867		
6,300.00	5,448.20	5,405.80	5,394.20	58.84	93.37	72.46	-1,580.32	5,873.43	4,478.12	4,329.36	148.77	30.102		
6,400.00	5,528.84	5,474.84	5,474.84	60.07	94.58	73.06	-1,580.32	5,873.43	4,456.88	4,305.54	151.34	29.449		
6,500.00	5,609.47	5,555.47	5,555.47	61.30	95.98	73.66	-1,580.32	5,873.43	4,436.33	4,282.21	154.12	28.784		
6,600.00	5,690.11	5,636.11	5,636.11	62.53	97.39	74.27	-1,580.32	5,873.43	4,416.47	4,259.56	156.91	28.146		
6,700.00	5,770.75	5,716.75	5,716.75	63.75	98.80	74.87	-1,580.32	5,873.43	4,397.32	4,237.62	159.70	27.534		
6,800.00	5,851.39	5,802.61	5,797.39	64.98	100.30	75.49	-1,580.32	5,873.43	4,378.89	4,216.30	162.59	26.932		
6,900.00	5,932.03	5,878.03	5,878.03	66.21	101.61	76.10	-1,580.32	5,873.43	4,361.17	4,195.88	165.29	26.384		
7,000.00	6,012.67	5,958.67	5,958.67	67.44	103.02	76.72	-1,580.32	5,873.43	4,344.19	4,176.10	168.09	25.844		
7,100.00	6,093.31	6,039.31	6,039.31	68.66	104.43	77.34	-1,580.32	5,873.43	4,327.96	4,157.06	170.89	25.326		
7,200.00	6,173.95	6,119.95	6,119.95	69.89	105.84	77.97	-1,580.32	5,873.43	4,312.47	4,138.78	173.69	24.828		
7,300.00	6,254.59	6,200.59	6,200.59	71.12	107.24	78.60	-1,580.32	5,873.43	4,297.74	4,121.25	176.49	24.351		
7,400.00	6,335.23	6,281.23	6,281.23	72.35	108.65	79.23	-1,580.32	5,873.43	4,283.77	4,104.49	179.29	23.893		
7,500.00	6,415.87	6,361.87	6,361.87	73.58	110.06	79.86	-1,580.32	5,873.43	4,270.58	4,088.50	182.08	23.454		
7,600.00	6,496.51	6,442.51	6,442.51	74.81	111.47	80.50	-1,580.32	5,873.43	4,258.17	4,073.30	184.87	23.033		
7,700.00	6,577.15	6,523.15	6,523.15	76.04	112.87	81.14	-1,580.32	5,873.43	4,246.55	4,058.89	187.66	22.629		
7,800.00	6,657.79	6,603.79	6,603.79	77.27	114.28	81.78	-1,580.32	5,873.43	4,235.72	4,045.27	190.45	22.241		
7,900.00	6,738.43	6,684.43	6,684.43	78.50	115.69	82.42	-1,580.32	5,873.43	4,225.69	4,032.47	193.22	21.869		
8,000.00	6,819.07	6,765.07	6,765.07	79.73	117.10	83.07	-1,580.32	5,873.43	4,216.47	4,020.47	196.00	21.513		
8,100.00	6,899.71	6,845.71	6,845.71	80.96	118.50	83.71	-1,580.32	5,873.43	4,208.05	4,009.29	198.76	21.172		
8,200.00	6,980.35	6,926.35	6,926.35	82.18	119.91	84.36	-1,580.32	5,873.43	4,200.46	3,998.94	201.52	20.844		
8,240.58	7,013.07	6,959.07	6,959.07	82.68	120.48	84.62	-1,580.32	5,873.43	4,197.61	3,994.98	202.63	20.715		
8,250.00	7,020.68	6,966.68	6,966.68	82.80	120.61	83.46	-1,580.32	5,873.43	4,196.90	3,994.01	202.89	20.686		
8,300.00	7,061.63	7,007.63	7,007.63	83.40	121.33	76.75	-1,580.32	5,873.43	4,190.99	3,986.74	204.25	20.519		
8,350.00	7,103.23	7,049.23	7,049.23	83.97	122.05	69.25	-1,580.32	5,873.43	4,181.48	3,975.90	205.58	20.340		
8,400.00	7,145.18	7,108.82	7,091.18	84.51	123.09	61.21	-1,580.32	5,873.43	4,168.41	3,961.23	207.18	20.120		
8,450.00	7,187.16	7,133.16	7,133.16	85.01	123.52	52.91	-1,580.32	5,873.43	4,151.83	3,943.72	208.11	19.950		
8,500.00	7,228.84	7,174.84	7,174.84	85.46	124.25	44.66	-1,580.32	5,873.43	4,131.84	3,922.55	209.29	19.742		
8,550.00	7,269.91	7,215.91	7,215.91	85.86	124.96	36.67	-1,580.32	5,873.43	4,108.55	3,898.16	210.39	19.528		
8,600.00	7,310.05	7,256.05	7,256.05	86.20	125.66	29.07	-1,580.32	5,873.43	4,082.11	3,870.69	211.42	19.308		
8,650.00	7,348.97	7,305.03	7,294.97	86.50	126.52	21.84	-1,580.32	5,873.43	4,052.69	3,840.16	212.54	19.068		
8,700.00	7,386.36	7,332.36	7,332.36	86.74	127.00	14.87	-1,580.32	5,873.43	4,020.50	3,807.28	213.21	18.857		
8,750.00	7,421.94	7,367.94	7,367.94	86.93	127.62	8.00	-1,580.32	5,873.43	3,985.75	3,771.78	213.96	18.628		
8,800.00	7,455.44	7,401.44	7,401.44	87.07	128.20	1.01	-1,580.32	5,873.43	3,948.70	3,734.08	214.62	18.399		
8,850.00	7,486.61	7,432.61	7,432.61	87.16	128.75	-6.33	-1,580.32	5,873.43	3,909.64	3,694.47	215.17	18.170		
8,900.00	7,515.20	7,461.20	7,461.20	87.20	129.25	-14.28	-1,580.32	5,873.43	3,868.86	3,653.24	215.62	17.943		
8,950.00	7,541.00	7,487.00	7,487.00	87.21	129.70	-23.04	-1,580.32	5,873.43	3,826.68	3,610.72	215.95	17.720		
9,000.00	7,563.81	7,509.81	7,509.81	87.17	130.09	-32.72	-1,580.32	5,873.43	3,783.43	3,567.25	216.18	17.501		
9,050.00	7,583.47	7,529.47	7,529.47	87.10	130.44	-43.19	-1,580.32	5,873.43	3,739.48	3,523.18	216.31	17.288		
9,100.00	7,599.81	7,545.81	7,545.81	87.00	130.72	-54.03	-1,580.32	5,873.43	3,695.20	3,478.88	216.32	17.082		
9,150.00	7,612.72	7,558.72	7,558.72	86.88	130.95	-64.62	-1,580.32	5,873.43	3,650.95	3,434.72	216.23	16.885		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST VERT HELEN 43-23 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,622.09	7,568.09	7,568.09	86.72	131.11	-74.30	-1,580.32	5,873.43	3,607.11	3,391.09	216.03	16.697		
9,250.00	7,627.87	7,573.87	7,573.87	86.55	131.21	-82.65	-1,580.32	5,873.43	3,564.08	3,348.36	215.73	16.521		
9,303.98	7,630.00	7,576.00	7,576.00	86.35	131.25	-90.00	-1,580.32	5,873.43	3,518.97	3,303.68	215.29	16.345		
9,400.00	7,630.00	7,576.00	7,576.00	85.99	131.25	-90.00	-1,580.32	5,873.43	3,440.66	3,226.27	214.38	16.049		
9,500.00	7,630.00	7,576.00	7,576.00	85.62	131.25	-90.00	-1,580.32	5,873.43	3,360.08	3,146.68	213.39	15.746		
9,600.00	7,630.00	7,576.00	7,576.00	85.28	131.25	-90.00	-1,580.32	5,873.43	3,280.56	3,068.22	212.35	15.449		
9,700.00	7,630.00	7,576.00	7,576.00	84.95	131.25	-90.00	-1,580.32	5,873.43	3,202.20	2,990.96	211.24	15.159		
9,800.00	7,630.00	7,576.00	7,576.00	84.64	131.25	-90.00	-1,580.32	5,873.43	3,125.08	2,915.00	210.08	14.876		
9,900.00	7,630.00	7,576.00	7,576.00	84.34	131.25	-90.00	-1,580.32	5,873.43	3,049.28	2,840.43	208.85	14.600		
10,000.00	7,630.00	7,576.00	7,576.00	84.06	131.25	-90.00	-1,580.32	5,873.43	2,974.91	2,767.35	207.55	14.333		
10,100.00	7,630.00	7,576.00	7,576.00	83.80	131.25	-90.00	-1,580.32	5,873.43	2,902.08	2,695.89	206.19	14.074		
10,200.00	7,630.00	7,576.00	7,576.00	83.56	131.25	-90.00	-1,580.32	5,873.43	2,830.91	2,626.15	204.77	13.825		
10,300.00	7,630.00	7,576.00	7,576.00	83.33	131.25	-90.00	-1,580.32	5,873.43	2,761.53	2,558.26	203.27	13.585		
10,400.00	7,630.00	7,576.00	7,576.00	83.12	131.25	-90.00	-1,580.32	5,873.43	2,694.08	2,492.36	201.72	13.356		
10,500.00	7,630.00	7,576.00	7,576.00	82.92	131.25	-90.00	-1,580.32	5,873.43	2,628.70	2,428.60	200.10	13.137		
10,600.00	7,630.00	7,576.00	7,576.00	82.75	131.25	-90.00	-1,580.32	5,873.43	2,565.55	2,367.12	198.43	12.929		
10,700.00	7,630.00	7,576.00	7,576.00	82.59	131.25	-90.00	-1,580.32	5,873.43	2,504.81	2,308.09	196.72	12.733		
10,800.00	7,630.00	7,576.00	7,576.00	82.45	131.25	-90.00	-1,580.32	5,873.43	2,446.64	2,251.66	194.98	12.548		
10,900.00	7,630.00	7,576.00	7,576.00	82.33	131.25	-90.00	-1,580.32	5,873.43	2,391.24	2,198.01	193.23	12.375		
11,000.00	7,630.00	7,576.00	7,576.00	82.22	131.25	-90.00	-1,580.32	5,873.43	2,338.81	2,147.32	191.50	12.213		
11,100.00	7,630.00	7,576.00	7,576.00	82.14	131.25	-90.00	-1,580.32	5,873.43	2,289.55	2,099.74	189.81	12.062		
11,200.00	7,630.00	7,576.00	7,576.00	82.08	131.25	-90.00	-1,580.32	5,873.43	2,243.67	2,055.45	188.22	11.921		
11,300.00	7,630.00	7,576.00	7,576.00	82.04	131.25	-90.00	-1,580.32	5,873.43	2,201.37	2,014.62	186.75	11.788		
11,400.00	7,630.00	7,576.00	7,576.00	82.02	131.25	-90.00	-1,580.32	5,873.43	2,162.87	1,977.40	185.48	11.661		
11,500.00	7,630.00	7,576.00	7,576.00	82.03	131.25	-90.00	-1,580.32	5,873.43	2,128.38	1,943.94	184.44	11.540		
11,600.00	7,630.00	7,576.00	7,576.00	82.06	131.25	-90.00	-1,580.32	5,873.43	2,098.10	1,914.39	183.71	11.421		
11,700.00	7,630.00	7,576.00	7,576.00	82.12	131.25	-90.00	-1,580.32	5,873.43	2,072.20	1,888.87	183.33	11.303		
11,800.00	7,630.00	7,576.00	7,576.00	82.21	131.25	-90.00	-1,580.32	5,873.43	2,050.86	1,867.52	183.33	11.186		
11,900.00	7,630.00	7,576.00	7,576.00	82.33	131.25	-90.00	-1,580.32	5,873.43	2,034.21	1,850.45	183.76	11.070		
12,000.00	7,630.00	7,576.00	7,576.00	82.48	131.25	-90.00	-1,580.32	5,873.43	2,022.37	1,837.77	184.61	10.955		
12,100.00	7,630.00	7,576.00	7,576.00	82.66	131.25	-90.00	-1,580.32	5,873.43	2,015.44	1,829.58	185.86	10.844		
12,190.02	7,630.00	7,576.00	7,576.00	82.86	131.25	-90.00	-1,580.32	5,873.43	2,013.43	1,826.12	187.31	10.749 CC		
12,200.00	7,630.00	7,576.00	7,576.00	82.88	131.25	-90.00	-1,580.32	5,873.43	2,013.45	1,825.97	187.48	10.739 ES		
12,300.00	7,630.00	7,576.00	7,576.00	83.14	131.25	-90.00	-1,580.32	5,873.43	2,016.43	1,827.01	189.42	10.645		
12,400.00	7,630.00	7,576.00	7,576.00	83.44	131.25	-90.00	-1,580.32	5,873.43	2,024.35	1,832.74	191.61	10.565		
12,500.00	7,630.00	7,576.00	7,576.00	83.79	131.25	-90.00	-1,580.32	5,873.43	2,037.15	1,843.15	194.00	10.501		
12,600.00	7,630.00	7,576.00	7,576.00	84.18	131.25	-90.00	-1,580.32	5,873.43	2,054.74	1,858.23	196.51	10.456		
12,700.00	7,630.00	7,576.00	7,576.00	84.61	131.25	-90.00	-1,580.32	5,873.43	2,077.01	1,877.91	199.10	10.432		
12,800.00	7,630.00	7,576.00	7,576.00	85.10	131.25	-90.00	-1,580.32	5,873.43	2,103.80	1,902.08	201.71	10.430 SF		
12,900.00	7,630.00	7,576.00	7,576.00	85.64	131.25	-90.00	-1,580.32	5,873.43	2,134.94	1,930.64	204.30	10.450		
13,000.00	7,630.00	7,576.00	7,576.00	86.22	131.25	-90.00	-1,580.32	5,873.43	2,170.24	1,963.41	206.83	10.493		
13,100.00	7,630.00	7,576.00	7,576.00	86.86	131.25	-90.00	-1,580.32	5,873.43	2,209.51	2,000.23	209.28	10.557		
13,200.00	7,630.00	7,576.00	7,576.00	87.56	131.25	-90.00	-1,580.32	5,873.43	2,252.54	2,040.91	211.63	10.644		
13,300.00	7,630.00	7,576.00	7,576.00	88.30	131.25	-90.00	-1,580.32	5,873.43	2,299.12	2,085.26	213.86	10.751		
13,400.00	7,630.00	7,576.00	7,576.00	89.10	131.25	-90.00	-1,580.32	5,873.43	2,349.03	2,133.07	215.96	10.877		
13,500.00	7,630.00	7,576.00	7,576.00	89.94	131.25	-90.00	-1,580.32	5,873.43	2,402.07	2,184.13	217.94	11.022		
13,600.00	7,630.00	7,576.00	7,576.00	90.84	131.25	-90.00	-1,580.32	5,873.43	2,458.03	2,238.25	219.78	11.184		
13,700.00	7,630.00	7,576.00	7,576.00	91.78	131.25	-90.00	-1,580.32	5,873.43	2,516.73	2,295.23	221.50	11.362		
13,800.00	7,630.00	7,576.00	7,576.00	92.77	131.25	-90.00	-1,580.32	5,873.43	2,577.97	2,354.87	223.10	11.555		
13,900.00	7,630.00	7,576.00	7,576.00	93.79	131.25	-90.00	-1,580.32	5,873.43	2,641.57	2,417.00	224.57	11.763		
14,000.00	7,630.00	7,576.00	7,576.00	94.86	131.25	-90.00	-1,580.32	5,873.43	2,707.38	2,481.45	225.93	11.983		
14,100.00	7,630.00	7,576.00	7,576.00	95.97	131.25	-90.00	-1,580.32	5,873.43	2,775.23	2,548.04	227.19	12.215		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST VERT HELEN 43-23 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,630.00	7,576.00	7,576.00	97.11	131.25	-90.00	-1,580.32	5,873.43	2,844.98	2,616.63	228.35	12.459		
14,300.00	7,630.00	7,576.00	7,576.00	98.28	131.25	-90.00	-1,580.32	5,873.43	2,916.49	2,687.07	229.41	12.713		
14,400.00	7,630.00	7,576.00	7,576.00	99.48	131.25	-90.00	-1,580.32	5,873.43	2,989.63	2,759.24	230.39	12.976		
14,500.00	7,630.00	7,576.00	7,576.00	100.72	131.25	-90.00	-1,580.32	5,873.43	3,064.29	2,833.00	231.29	13.248		
14,600.00	7,630.00	7,576.00	7,576.00	101.97	131.25	-90.00	-1,580.32	5,873.43	3,140.36	2,908.24	232.12	13.529		
14,700.00	7,630.00	7,576.00	7,576.00	103.26	131.25	-90.00	-1,580.32	5,873.43	3,217.74	2,984.86	232.89	13.817		
14,800.00	7,630.00	7,576.00	7,576.00	104.56	131.25	-90.00	-1,580.32	5,873.43	3,296.34	3,062.76	233.59	14.112		
14,900.00	7,630.00	7,576.00	7,576.00	105.89	131.25	-90.00	-1,580.32	5,873.43	3,376.07	3,141.84	234.23	14.413		
15,000.00	7,630.00	7,576.00	7,576.00	107.24	131.25	-90.00	-1,580.32	5,873.43	3,456.86	3,222.03	234.82	14.721		
15,100.00	7,630.00	7,576.00	7,576.00	108.60	131.25	-90.00	-1,580.32	5,873.43	3,538.62	3,303.25	235.37	15.034		
15,200.00	7,630.00	7,576.00	7,576.00	109.98	131.25	-90.00	-1,580.32	5,873.43	3,621.31	3,385.43	235.87	15.353		
15,300.00	7,630.00	7,576.00	7,576.00	111.38	131.25	-90.00	-1,580.32	5,873.43	3,704.84	3,468.50	236.34	15.676		
15,400.00	7,630.00	7,576.00	7,576.00	112.79	131.25	-90.00	-1,580.32	5,873.43	3,789.18	3,552.41	236.77	16.004		
15,500.00	7,630.00	7,576.00	7,576.00	114.22	131.25	-90.00	-1,580.32	5,873.43	3,874.25	3,637.09	237.16	16.336		
15,600.00	7,630.00	7,576.00	7,576.00	115.66	131.25	-90.00	-1,580.32	5,873.43	3,960.03	3,722.50	237.53	16.672		
15,700.00	7,630.00	7,576.00	7,576.00	117.11	131.25	-90.00	-1,580.32	5,873.43	4,046.46	3,808.59	237.86	17.012		
15,800.00	7,630.00	7,576.00	7,576.00	118.57	131.25	-90.00	-1,580.32	5,873.43	4,133.50	3,895.32	238.18	17.355		
15,900.00	7,630.00	7,576.00	7,576.00	120.05	131.25	-90.00	-1,580.32	5,873.43	4,221.12	3,982.65	238.47	17.701		
16,000.00	7,630.00	7,576.00	7,576.00	121.53	131.25	-90.00	-1,580.32	5,873.43	4,309.27	4,070.54	238.74	18.050		
16,100.00	7,630.00	7,576.00	7,576.00	123.03	131.25	-90.00	-1,580.32	5,873.43	4,397.93	4,158.95	238.99	18.403		
16,200.00	7,630.00	7,576.00	7,576.00	124.53	131.25	-90.00	-1,580.32	5,873.43	4,487.07	4,247.85	239.22	18.757		
16,300.00	7,630.00	7,576.00	7,576.00	126.04	131.25	-90.00	-1,580.32	5,873.43	4,576.66	4,337.23	239.43	19.115		
16,400.00	7,630.00	7,576.00	7,576.00	127.56	131.25	-90.00	-1,580.32	5,873.43	4,666.67	4,427.04	239.63	19.474		
16,500.00	7,630.00	7,576.00	7,576.00	129.09	131.25	-90.00	-1,580.32	5,873.43	4,757.08	4,517.26	239.82	19.836		
16,600.00	7,630.00	7,576.00	7,576.00	130.62	131.25	-90.00	-1,580.32	5,873.43	4,847.87	4,607.87	239.99	20.200		
16,700.00	7,630.00	7,576.00	7,576.00	132.16	131.25	-90.00	-1,580.32	5,873.43	4,939.01	4,698.85	240.16	20.566		
16,800.00	7,630.00	7,576.00	7,576.00	133.71	131.25	-90.00	-1,580.32	5,873.43	5,030.49	4,790.18	240.31	20.933		
16,900.00	7,630.00	7,576.00	7,576.00	135.27	131.25	-90.00	-1,580.32	5,873.43	5,122.28	4,881.83	240.45	21.303		
17,000.00	7,630.00	7,576.00	7,576.00	136.83	131.25	-90.00	-1,580.32	5,873.43	5,214.38	4,973.80	240.58	21.674		
17,100.00	7,630.00	7,576.00	7,576.00	138.39	131.25	-90.00	-1,580.32	5,873.43	5,306.77	5,066.06	240.71	22.047		
17,200.00	7,630.00	7,576.00	7,576.00	139.97	131.25	-90.00	-1,580.32	5,873.43	5,399.42	5,158.60	240.82	22.421		
17,300.00	7,630.00	7,576.00	7,576.00	141.54	131.25	-90.00	-1,580.32	5,873.43	5,492.34	5,251.40	240.93	22.796		
17,400.00	7,630.00	7,576.00	7,576.00	143.12	131.25	-90.00	-1,580.32	5,873.43	5,585.50	5,344.46	241.04	23.173		
17,500.00	7,630.00	7,576.00	7,576.00	144.71	131.25	-90.00	-1,580.32	5,873.43	5,678.89	5,437.75	241.13	23.551		
17,600.00	7,630.00	7,576.00	7,576.00	146.30	131.25	-90.00	-1,580.32	5,873.43	5,772.50	5,531.27	241.23	23.930		
17,700.00	7,630.00	7,576.00	7,576.00	147.90	131.25	-90.00	-1,580.32	5,873.43	5,866.32	5,625.01	241.31	24.310		
17,800.00	7,630.00	7,576.00	7,576.00	149.50	131.25	-90.00	-1,580.32	5,873.43	5,960.35	5,718.95	241.39	24.691		
17,900.00	7,630.00	7,576.00	7,576.00	151.10	131.25	-90.00	-1,580.32	5,873.43	6,054.56	5,813.09	241.47	25.074		
18,000.00	7,630.00	7,576.00	7,576.00	152.71	131.25	-90.00	-1,580.32	5,873.43	6,148.96	5,907.42	241.54	25.457		
18,100.00	7,630.00	7,576.00	7,576.00	154.32	131.25	-90.00	-1,580.32	5,873.43	6,243.54	6,001.92	241.61	25.841		
18,200.00	7,630.00	7,576.00	7,576.00	155.94	131.25	-90.00	-1,580.32	5,873.43	6,338.27	6,096.60	241.68	26.226		
18,300.00	7,630.00	7,576.00	7,576.00	157.56	131.25	-90.00	-1,580.32	5,873.43	6,433.17	6,191.43	241.74	26.612		
18,400.00	7,630.00	7,576.00	7,576.00	159.18	131.25	-90.00	-1,580.32	5,873.43	6,528.22	6,286.43	241.80	26.999		
18,500.00	7,630.00	7,576.00	7,576.00	160.80	131.25	-90.00	-1,580.32	5,873.43	6,623.42	6,381.57	241.86	27.386		
18,600.00	7,630.00	7,576.00	7,576.00	162.43	131.25	-90.00	-1,580.32	5,873.43	6,718.76	6,476.85	241.91	27.774		
18,700.00	7,630.00	7,576.00	7,576.00	164.06	131.25	-90.00	-1,580.32	5,873.43	6,814.23	6,572.27	241.96	28.163		
18,800.00	7,630.00	7,576.00	7,576.00	165.70	131.25	-90.00	-1,580.32	5,873.43	6,909.83	6,667.82	242.01	28.552		
18,900.00	7,630.00	7,576.00	7,576.00	167.33	131.25	-90.00	-1,580.32	5,873.43	7,005.55	6,763.49	242.06	28.942		
19,000.00	7,630.00	7,576.00	7,576.00	168.97	131.25	-90.00	-1,580.32	5,873.43	7,101.39	6,859.28	242.10	29.332		
19,021.79	7,630.00	7,576.00	7,576.00	169.33	131.25	-90.00	-1,580.32	5,873.43	7,122.28	6,880.17	242.11	29.417		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST VERT HELEN E UNIT 1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	114.99	-2,506.45	5,376.59	5,932.31					
100.00	100.00	52.00	52.00	0.13	0.40	114.99	-2,506.45	5,376.59	5,932.12	5,931.59	0.53	N/A		
200.00	200.00	152.00	152.00	0.49	1.68	114.99	-2,506.45	5,376.59	5,932.12	5,929.95	2.17	2,735.693		
300.00	300.00	252.00	252.00	0.85	3.42	114.99	-2,506.45	5,376.59	5,932.12	5,927.85	4.27	1,388.535		
400.00	400.00	352.00	352.00	1.21	5.17	114.99	-2,506.45	5,376.59	5,932.12	5,925.74	6.38	930.380		
500.00	500.00	452.00	452.00	1.57	6.91	114.99	-2,506.45	5,376.59	5,932.12	5,923.64	8.48	699.557		
600.00	600.00	552.00	552.00	1.93	8.66	114.99	-2,506.45	5,376.59	5,932.12	5,921.54	10.58	560.500		
700.00	700.00	652.00	652.00	2.29	10.40	114.99	-2,506.45	5,376.59	5,932.12	5,919.43	12.69	467.559		
800.00	799.98	751.98	751.98	2.64	12.15	53.24	-2,506.45	5,376.59	5,931.08	5,916.29	14.79	401.118		
900.00	899.84	851.84	851.84	2.99	13.89	53.33	-2,506.45	5,376.59	5,927.94	5,911.06	16.88	351.147		
1,000.00	999.45	951.45	951.45	3.35	15.63	53.48	-2,506.45	5,376.59	5,922.73	5,903.76	18.98	312.092		
1,100.00	1,098.70	1,050.70	1,050.70	3.73	17.36	53.69	-2,506.45	5,376.59	5,915.46	5,894.39	21.07	280.693		
1,200.00	1,197.47	1,149.47	1,149.47	4.11	19.08	53.96	-2,506.45	5,376.59	5,906.16	5,882.98	23.17	254.860		
1,300.00	1,295.62	1,247.62	1,247.62	4.53	20.80	54.30	-2,506.45	5,376.59	5,894.84	5,869.56	25.28	233.198		
1,400.00	1,393.06	1,345.06	1,345.06	4.97	22.50	54.69	-2,506.45	5,376.59	5,881.55	5,854.16	27.39	214.740		
1,500.00	1,489.64	1,441.64	1,441.64	5.44	24.18	55.14	-2,506.45	5,376.59	5,866.33	5,836.82	29.51	198.795		
1,600.00	1,585.27	1,537.27	1,537.27	5.95	25.85	55.66	-2,506.45	5,376.59	5,849.22	5,817.58	31.64	184.857		
1,700.00	1,679.82	1,631.82	1,631.82	6.51	27.50	56.23	-2,506.45	5,376.59	5,830.29	5,796.50	33.79	172.550		
1,800.00	1,773.17	1,725.17	1,725.17	7.13	29.13	56.87	-2,506.45	5,376.59	5,809.59	5,773.63	35.95	161.586		
1,900.00	1,865.21	1,817.21	1,817.21	7.79	30.74	57.56	-2,506.45	5,376.59	5,787.18	5,749.05	38.14	151.743		
2,000.00	1,955.84	1,907.84	1,907.84	8.51	32.32	58.31	-2,506.45	5,376.59	5,763.15	5,722.81	40.35	142.845		
2,100.00	2,044.94	2,003.06	1,996.94	9.30	33.98	59.12	-2,506.45	5,376.59	5,737.57	5,694.89	42.68	134.418		
2,200.00	2,132.39	2,084.39	2,084.39	10.15	35.40	59.98	-2,506.45	5,376.59	5,710.53	5,665.69	44.84	127.362		
2,300.00	2,218.11	2,170.11	2,170.11	11.07	36.90	60.90	-2,506.45	5,376.59	5,682.11	5,634.99	47.13	120.575		
2,400.00	2,301.97	2,253.97	2,253.97	12.06	38.36	61.87	-2,506.45	5,376.59	5,652.41	5,602.97	49.44	114.318		
2,500.00	2,383.88	2,335.88	2,335.88	13.11	39.79	62.89	-2,506.45	5,376.59	5,621.54	5,569.74	51.80	108.532		
2,512.74	2,394.17	2,346.17	2,346.17	13.25	39.97	63.03	-2,506.45	5,376.59	5,617.53	5,565.43	52.10	107.825		
2,600.00	2,464.54	2,416.54	2,416.54	14.22	41.20	63.43	-2,506.45	5,376.59	5,590.16	5,535.98	54.18	103.181		
2,700.00	2,545.18	2,502.82	2,497.18	15.35	42.71	63.89	-2,506.45	5,376.59	5,559.21	5,502.52	56.69	98.068		
2,800.00	2,625.82	2,577.82	2,577.82	16.50	44.01	64.35	-2,506.45	5,376.59	5,528.73	5,469.70	59.02	93.669		
2,900.00	2,706.45	2,658.45	2,658.45	17.65	45.42	64.82	-2,506.45	5,376.59	5,498.71	5,437.23	61.48	89.436		
3,000.00	2,787.09	2,739.09	2,739.09	18.82	46.83	65.30	-2,506.45	5,376.59	5,469.17	5,405.21	63.96	85.510		
3,100.00	2,867.73	2,819.73	2,819.73	19.99	48.24	65.77	-2,506.45	5,376.59	5,440.10	5,373.65	66.46	81.861		
3,200.00	2,948.37	2,900.37	2,900.37	21.17	49.64	66.25	-2,506.45	5,376.59	5,411.53	5,342.57	68.97	78.464		
3,300.00	3,029.01	2,981.01	2,981.01	22.36	51.05	66.74	-2,506.45	5,376.59	5,383.46	5,311.96	71.50	75.297		
3,400.00	3,109.65	3,061.65	3,061.65	23.55	52.46	67.22	-2,506.45	5,376.59	5,355.89	5,281.85	74.04	72.338		
3,500.00	3,190.29	3,142.29	3,142.29	24.74	53.87	67.71	-2,506.45	5,376.59	5,328.84	5,252.25	76.60	69.571		
3,600.00	3,270.93	3,222.93	3,222.93	25.94	55.27	68.21	-2,506.45	5,376.59	5,302.31	5,223.14	79.17	66.978		
3,700.00	3,351.57	3,303.57	3,303.57	27.14	56.68	68.71	-2,506.45	5,376.59	5,276.31	5,194.56	81.75	64.544		
3,800.00	3,432.21	3,384.21	3,384.21	28.35	58.09	69.21	-2,506.45	5,376.59	5,250.84	5,166.50	84.34	62.258		
3,900.00	3,512.85	3,464.85	3,464.85	29.56	59.50	69.71	-2,506.45	5,376.59	5,225.92	5,138.98	86.94	60.107		
4,000.00	3,593.49	3,545.49	3,545.49	30.76	60.90	70.22	-2,506.45	5,376.59	5,201.56	5,112.00	89.56	58.080		
4,100.00	3,674.13	3,626.13	3,626.13	31.97	62.31	70.73	-2,506.45	5,376.59	5,177.75	5,085.57	92.18	56.168		
4,200.00	3,754.77	3,706.77	3,706.77	33.19	63.72	71.24	-2,506.45	5,376.59	5,154.51	5,059.70	94.82	54.363		
4,300.00	3,835.41	3,787.41	3,787.41	34.40	65.13	71.76	-2,506.45	5,376.59	5,131.85	5,034.39	97.46	52.656		
4,400.00	3,916.05	3,868.05	3,868.05	35.62	66.53	72.28	-2,506.45	5,376.59	5,109.78	5,009.66	100.11	51.041		
4,500.00	3,996.69	3,948.69	3,948.69	36.83	67.94	72.81	-2,506.45	5,376.59	5,088.29	4,985.52	102.77	49.511		
4,600.00	4,077.33	4,029.33	4,029.33	38.05	69.35	73.33	-2,506.45	5,376.59	5,067.40	4,961.97	105.44	48.061		
4,700.00	4,157.96	4,109.96	4,109.96	39.27	70.76	73.86	-2,506.45	5,376.59	5,047.12	4,939.01	108.11	46.684		
4,800.00	4,238.60	4,209.40	4,190.60	40.49	72.49	74.39	-2,506.45	5,376.59	5,027.46	4,916.34	111.12	45.243		
4,900.00	4,319.24	4,271.24	4,271.24	41.71	73.57	74.93	-2,506.45	5,376.59	5,008.41	4,894.93	113.48	44.135		
5,000.00	4,399.88	4,351.88	4,351.88	42.93	74.98	75.47	-2,506.45	5,376.59	4,990.00	4,873.83	116.17	42.954		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST VERT HELEN E UNIT 1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,480.52	4,432.52	4,432.52	44.15	76.38	76.01	-2,506.45	5,376.59	4,972.22	4,853.35	118.87	41.829		
5,200.00	4,561.16	4,513.16	4,513.16	45.37	77.79	76.55	-2,506.45	5,376.59	4,955.08	4,833.51	121.57	40.759		
5,300.00	4,641.80	4,606.20	4,593.80	46.59	79.42	77.09	-2,506.45	5,376.59	4,938.59	4,814.09	124.49	39.669		
5,400.00	4,722.44	4,674.44	4,674.44	47.82	80.61	77.64	-2,506.45	5,376.59	4,922.75	4,795.76	126.99	38.766		
5,500.00	4,803.08	4,755.08	4,755.08	49.04	82.01	78.19	-2,506.45	5,376.59	4,907.58	4,777.88	129.70	37.838		
5,600.00	4,883.72	4,835.72	4,835.72	50.27	83.42	78.74	-2,506.45	5,376.59	4,893.07	4,760.66	132.42	36.952		
5,700.00	4,964.36	4,916.36	4,916.36	51.49	84.83	79.30	-2,506.45	5,376.59	4,879.24	4,744.11	135.13	36.107		
5,800.00	5,045.00	5,003.00	4,997.00	52.71	86.34	79.85	-2,506.45	5,376.59	4,866.09	4,728.13	137.96	35.273		
5,900.00	5,125.64	5,077.64	5,077.64	53.94	87.64	80.41	-2,506.45	5,376.59	4,853.62	4,713.05	140.57	34.528		
6,000.00	5,206.28	5,158.28	5,158.28	55.17	89.05	80.97	-2,506.45	5,376.59	4,841.84	4,698.55	143.29	33.790		
6,100.00	5,286.92	5,238.92	5,238.92	56.39	90.46	81.53	-2,506.45	5,376.59	4,830.76	4,684.75	146.01	33.085		
6,200.00	5,367.56	5,319.56	5,319.56	57.62	91.87	82.10	-2,506.45	5,376.59	4,820.38	4,671.65	148.73	32.410		
6,300.00	5,448.20	5,400.20	5,400.20	58.84	93.27	82.66	-2,506.45	5,376.59	4,810.70	4,659.25	151.45	31.765		
6,400.00	5,528.84	5,480.84	5,480.84	60.07	94.68	83.23	-2,506.45	5,376.59	4,801.73	4,647.57	154.16	31.147		
6,500.00	5,609.47	5,561.47	5,561.47	61.30	96.09	83.80	-2,506.45	5,376.59	4,793.47	4,636.60	156.88	30.556		
6,600.00	5,690.11	5,642.11	5,642.11	62.53	97.50	84.37	-2,506.45	5,376.59	4,785.93	4,626.35	159.58	29.990		
6,700.00	5,770.75	5,722.75	5,722.75	63.75	98.90	84.94	-2,506.45	5,376.59	4,779.11	4,616.82	162.29	29.448		
6,800.00	5,851.39	5,803.39	5,803.39	64.98	100.31	85.51	-2,506.45	5,376.59	4,773.02	4,608.03	164.99	28.929		
6,900.00	5,932.03	5,884.03	5,884.03	66.21	101.72	86.08	-2,506.45	5,376.59	4,767.65	4,599.96	167.69	28.432		
7,000.00	6,012.67	5,964.67	5,964.67	67.44	103.13	86.65	-2,506.45	5,376.59	4,763.00	4,592.63	170.38	27.955		
7,100.00	6,093.31	6,045.31	6,045.31	68.66	104.53	87.23	-2,506.45	5,376.59	4,759.09	4,586.03	173.06	27.499		
7,200.00	6,173.95	6,125.95	6,125.95	69.89	105.94	87.80	-2,506.45	5,376.59	4,755.91	4,580.17	175.74	27.062		
7,300.00	6,254.59	6,206.59	6,206.59	71.12	107.35	88.38	-2,506.45	5,376.59	4,753.47	4,575.05	178.41	26.643		
7,400.00	6,335.23	6,287.23	6,287.23	72.35	108.76	88.95	-2,506.45	5,376.59	4,751.76	4,570.68	181.08	26.242		
7,500.00	6,415.87	6,367.87	6,367.87	73.58	110.16	89.53	-2,506.45	5,376.59	4,750.78	4,567.05	183.73	25.857		
7,582.56	6,482.45	6,434.45	6,434.45	74.59	111.32	90.00	-2,506.45	5,376.59	4,750.53	4,564.61	185.92	25.552		
7,600.00	6,496.51	6,448.51	6,448.51	74.81	111.57	90.10	-2,506.45	5,376.59	4,750.54	4,564.16	186.38	25.489		
7,700.00	6,577.15	6,529.15	6,529.15	76.04	112.98	90.68	-2,506.45	5,376.59	4,751.04	4,562.02	189.01	25.136		
7,800.00	6,657.79	6,609.79	6,609.79	77.27	114.39	91.25	-2,506.45	5,376.59	4,752.27	4,560.63	191.64	24.798		
7,900.00	6,738.43	6,709.57	6,690.43	78.50	116.13	91.83	-2,506.45	5,376.59	4,754.24	4,559.64	194.59	24.432		
8,000.00	6,819.07	6,771.07	6,771.07	79.73	117.20	92.40	-2,506.45	5,376.59	4,756.94	4,560.08	196.86	24.164		
8,100.00	6,899.71	6,851.71	6,851.71	80.96	118.61	92.97	-2,506.45	5,376.59	4,760.37	4,560.92	199.46	23.867		
8,200.00	6,980.35	6,932.35	6,932.35	82.18	120.01	93.55	-2,506.45	5,376.59	4,764.54	4,562.50	202.04	23.582		
8,240.58	7,013.07	6,965.07	6,965.07	82.68	120.59	93.78	-2,506.45	5,376.59	4,766.44	4,563.35	203.09	23.470		
8,250.00	7,020.68	6,972.68	6,972.68	82.80	120.72	92.66	-2,506.45	5,376.59	4,766.83	4,563.50	203.33	23.444		
8,300.00	7,061.63	7,013.63	7,013.63	83.40	121.43	86.19	-2,506.45	5,376.59	4,766.53	4,561.92	204.61	23.295		
8,350.00	7,103.23	7,055.23	7,055.23	83.97	122.16	78.99	-2,506.45	5,376.59	4,762.30	4,556.41	205.89	23.131		
8,400.00	7,145.18	7,102.82	7,097.18	84.51	122.99	71.30	-2,506.45	5,376.59	4,754.13	4,546.89	207.24	22.941		
8,450.00	7,187.16	7,139.16	7,139.16	85.01	123.62	63.44	-2,506.45	5,376.59	4,742.06	4,533.71	208.36	22.759		
8,500.00	7,228.84	7,180.84	7,180.84	85.46	124.35	55.73	-2,506.45	5,376.59	4,726.17	4,516.63	209.53	22.556		
8,550.00	7,269.91	7,221.91	7,221.91	85.86	125.07	48.39	-2,506.45	5,376.59	4,706.53	4,495.88	210.65	22.343		
8,600.00	7,310.05	7,262.05	7,262.05	86.20	125.77	41.57	-2,506.45	5,376.59	4,683.29	4,471.57	211.71	22.121		
8,650.00	7,348.97	7,300.97	7,300.97	86.50	126.45	35.27	-2,506.45	5,376.59	4,656.58	4,443.88	212.70	21.892		
8,700.00	7,386.36	7,338.36	7,338.36	86.74	127.10	29.43	-2,506.45	5,376.59	4,626.59	4,412.97	213.62	21.658		
8,750.00	7,421.94	7,373.94	7,373.94	86.93	127.72	23.92	-2,506.45	5,376.59	4,593.53	4,379.08	214.46	21.419		
8,800.00	7,455.44	7,407.44	7,407.44	87.07	128.31	18.53	-2,506.45	5,376.59	4,557.63	4,342.42	215.21	21.178		
8,850.00	7,486.61	7,438.61	7,438.61	87.16	128.85	13.05	-2,506.45	5,376.59	4,519.15	4,303.27	215.87	20.934		
8,900.00	7,515.20	7,467.20	7,467.20	87.20	129.35	7.16	-2,506.45	5,376.59	4,478.36	4,261.91	216.45	20.690		
8,950.00	7,541.00	7,507.00	7,493.00	87.21	130.04	0.49	-2,506.45	5,376.59	4,435.58	4,218.40	217.18	20.424		
9,000.00	7,563.81	7,515.81	7,515.81	87.17	130.20	-7.50	-2,506.45	5,376.59	4,391.12	4,173.80	217.32	20.205		
9,050.00	7,583.47	7,535.47	7,535.47	87.10	130.54	-17.44	-2,506.45	5,376.59	4,345.33	4,127.71	217.62	19.968		
9,100.00	7,599.81	7,551.81	7,551.81	87.00	130.83	-29.97	-2,506.45	5,376.59	4,298.55	4,080.74	217.82	19.735		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST VERT HELEN E UNIT 1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,150.00	7,612.72	7,564.72	7,564.72	86.88	131.05	-45.09	-2,506.45	5,376.59	4,251.17	4,033.25	217.93	19.507		
9,200.00	7,622.09	7,574.09	7,574.09	86.72	131.22	-61.47	-2,506.45	5,376.59	4,203.56	3,985.62	217.94	19.288		
9,250.00	7,627.87	7,579.87	7,579.87	86.55	131.32	-76.73	-2,506.45	5,376.59	4,156.09	3,938.23	217.86	19.077		
9,303.98	7,630.00	7,582.00	7,582.00	86.35	131.35	-90.00	-2,506.45	5,376.59	4,105.47	3,887.79	217.68	18.860		
9,400.00	7,630.00	7,582.00	7,582.00	85.99	131.35	-90.00	-2,506.45	5,376.59	4,016.43	3,799.18	217.25	18.487		
9,500.00	7,630.00	7,582.00	7,582.00	85.62	131.35	-90.00	-2,506.45	5,376.59	3,924.05	3,707.26	216.79	18.101		
9,600.00	7,630.00	7,582.00	7,582.00	85.28	131.35	-90.00	-2,506.45	5,376.59	3,832.04	3,615.75	216.30	17.717		
9,700.00	7,630.00	7,582.00	7,582.00	84.95	131.35	-90.00	-2,506.45	5,376.59	3,740.45	3,524.67	215.78	17.334		
9,800.00	7,630.00	7,582.00	7,582.00	84.64	131.35	-90.00	-2,506.45	5,376.59	3,649.31	3,434.07	215.24	16.955		
9,900.00	7,630.00	7,582.00	7,582.00	84.34	131.35	-90.00	-2,506.45	5,376.59	3,558.63	3,343.97	214.66	16.578		
10,000.00	7,630.00	7,582.00	7,582.00	84.06	131.35	-90.00	-2,506.45	5,376.59	3,468.47	3,254.42	214.06	16.203		
10,100.00	7,630.00	7,582.00	7,582.00	83.80	131.35	-90.00	-2,506.45	5,376.59	3,378.87	3,165.45	213.42	15.832		
10,200.00	7,630.00	7,582.00	7,582.00	83.56	131.35	-90.00	-2,506.45	5,376.59	3,289.86	3,077.12	212.74	15.464		
10,300.00	7,630.00	7,582.00	7,582.00	83.33	131.35	-90.00	-2,506.45	5,376.59	3,201.50	2,989.48	212.02	15.100		
10,400.00	7,630.00	7,582.00	7,582.00	83.12	131.35	-90.00	-2,506.45	5,376.59	3,113.85	2,902.58	211.27	14.739		
10,500.00	7,630.00	7,582.00	7,582.00	82.92	131.35	-90.00	-2,506.45	5,376.59	3,026.96	2,816.50	210.46	14.382		
10,600.00	7,630.00	7,582.00	7,582.00	82.75	131.35	-90.00	-2,506.45	5,376.59	2,940.91	2,731.29	209.61	14.030		
10,700.00	7,630.00	7,582.00	7,582.00	82.59	131.35	-90.00	-2,506.45	5,376.59	2,855.76	2,647.05	208.71	13.683		
10,800.00	7,630.00	7,582.00	7,582.00	82.45	131.35	-90.00	-2,506.45	5,376.59	2,771.61	2,563.85	207.76	13.341		
10,900.00	7,630.00	7,582.00	7,582.00	82.33	131.35	-90.00	-2,506.45	5,376.59	2,688.54	2,481.79	206.75	13.004		
11,000.00	7,630.00	7,582.00	7,582.00	82.22	131.35	-90.00	-2,506.45	5,376.59	2,606.66	2,400.98	205.68	12.673		
11,100.00	7,630.00	7,582.00	7,582.00	82.14	131.35	-90.00	-2,506.45	5,376.59	2,526.09	2,321.53	204.56	12.349		
11,200.00	7,630.00	7,582.00	7,582.00	82.08	131.35	-90.00	-2,506.45	5,376.59	2,446.95	2,243.57	203.38	12.032		
11,300.00	7,630.00	7,582.00	7,582.00	82.04	131.35	-90.00	-2,506.45	5,376.59	2,369.38	2,167.25	202.13	11.722		
11,400.00	7,630.00	7,582.00	7,582.00	82.02	131.35	-90.00	-2,506.45	5,376.59	2,293.56	2,092.72	200.84	11.420		
11,500.00	7,630.00	7,582.00	7,582.00	82.03	131.35	-90.00	-2,506.45	5,376.59	2,219.65	2,020.16	199.49	11.126		
11,600.00	7,630.00	7,582.00	7,582.00	82.06	131.35	-90.00	-2,506.45	5,376.59	2,147.86	1,949.74	198.11	10.842		
11,700.00	7,630.00	7,582.00	7,582.00	82.12	131.35	-90.00	-2,506.45	5,376.59	2,078.39	1,881.69	196.70	10.566		
11,800.00	7,630.00	7,582.00	7,582.00	82.21	131.35	-90.00	-2,506.45	5,376.59	2,011.51	1,816.21	195.29	10.300		
11,900.00	7,630.00	7,582.00	7,582.00	82.33	131.35	-90.00	-2,506.45	5,376.59	1,947.46	1,753.55	193.91	10.043		
12,000.00	7,630.00	7,582.00	7,582.00	82.48	131.35	-90.00	-2,506.45	5,376.59	1,886.54	1,693.95	192.59	9.796		
12,100.00	7,630.00	7,582.00	7,582.00	82.66	131.35	-90.00	-2,506.45	5,376.59	1,829.06	1,637.68	191.38	9.557		
12,200.00	7,630.00	7,582.00	7,582.00	82.88	131.35	-90.00	-2,506.45	5,376.59	1,775.36	1,585.02	190.34	9.327		
12,300.00	7,630.00	7,582.00	7,582.00	83.14	131.35	-90.00	-2,506.45	5,376.59	1,725.79	1,536.23	189.55	9.105		
12,400.00	7,630.00	7,582.00	7,582.00	83.44	131.35	-90.00	-2,506.45	5,376.59	1,680.71	1,491.63	189.08	8.889		
12,500.00	7,630.00	7,582.00	7,582.00	83.79	131.35	-90.00	-2,506.45	5,376.59	1,640.49	1,451.49	189.00	8.680		
12,600.00	7,630.00	7,582.00	7,582.00	84.18	131.35	-90.00	-2,506.45	5,376.59	1,605.50	1,416.12	189.38	8.478		
12,700.00	7,630.00	7,582.00	7,582.00	84.61	131.35	-90.00	-2,506.45	5,376.59	1,576.10	1,385.84	190.26	8.284		
12,800.00	7,630.00	7,582.00	7,582.00	85.10	131.35	-90.00	-2,506.45	5,376.59	1,552.58	1,360.92	191.66	8.101		
12,900.00	7,630.00	7,582.00	7,582.00	85.64	131.35	-90.00	-2,506.45	5,376.59	1,535.24	1,341.68	193.55	7.932		
13,000.00	7,630.00	7,582.00	7,582.00	86.22	131.35	-90.00	-2,506.45	5,376.59	1,524.27	1,328.38	195.89	7.781		
13,100.00	7,630.00	7,582.00	7,582.00	86.86	131.35	-90.00	-2,506.45	5,376.59	1,519.81	1,321.23	198.58	7.653		
13,117.82	7,630.00	7,582.00	7,582.00	86.98	131.35	-90.00	-2,506.45	5,376.59	1,519.71	1,320.61	199.09	7.633 CC		
13,200.00	7,630.00	7,582.00	7,582.00	87.56	131.35	-90.00	-2,506.45	5,376.59	1,521.93	1,320.39	201.54	7.552 ES		
13,300.00	7,630.00	7,582.00	7,582.00	88.30	131.35	-90.00	-2,506.45	5,376.59	1,530.59	1,325.94	204.64	7.479		
13,400.00	7,630.00	7,582.00	7,582.00	89.10	131.35	-90.00	-2,506.45	5,376.59	1,545.68	1,337.88	207.81	7.438		
13,500.00	7,630.00	7,582.00	7,582.00	89.94	131.35	-90.00	-2,506.45	5,376.59	1,567.03	1,356.09	210.93	7.429 SF		
13,600.00	7,630.00	7,582.00	7,582.00	90.84	131.35	-90.00	-2,506.45	5,376.59	1,594.37	1,380.41	213.95	7.452		
13,700.00	7,630.00	7,582.00	7,582.00	91.78	131.35	-90.00	-2,506.45	5,376.59	1,627.40	1,410.59	216.81	7.506		
13,800.00	7,630.00	7,582.00	7,582.00	92.77	131.35	-90.00	-2,506.45	5,376.59	1,665.80	1,446.32	219.48	7.590		
13,900.00	7,630.00	7,582.00	7,582.00	93.79	131.35	-90.00	-2,506.45	5,376.59	1,709.19	1,487.27	221.92	7.702		
14,000.00	7,630.00	7,582.00	7,582.00	94.86	131.35	-90.00	-2,506.45	5,376.59	1,757.20	1,533.07	224.13	7.840		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 23-T1N-R68W - EXIST VERT HELEN E UNIT 1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,100.00	7,630.00	7,582.00	7,582.00	95.97	131.35	-90.00	-2,506.45	5,376.59	1,809.47	1,583.35	226.12	8.002		
14,200.00	7,630.00	7,582.00	7,582.00	97.11	131.35	-90.00	-2,506.45	5,376.59	1,865.64	1,637.76	227.89	8.187		
14,300.00	7,630.00	7,582.00	7,582.00	98.28	131.35	-90.00	-2,506.45	5,376.59	1,925.37	1,695.92	229.45	8.391		
14,400.00	7,630.00	7,582.00	7,582.00	99.48	131.35	-90.00	-2,506.45	5,376.59	1,988.34	1,757.51	230.83	8.614		
14,500.00	7,630.00	7,582.00	7,582.00	100.72	131.35	-90.00	-2,506.45	5,376.59	2,054.25	1,822.22	232.03	8.853		
14,600.00	7,630.00	7,582.00	7,582.00	101.97	131.35	-90.00	-2,506.45	5,376.59	2,122.82	1,889.74	233.08	9.108		
14,700.00	7,630.00	7,582.00	7,582.00	103.26	131.35	-90.00	-2,506.45	5,376.59	2,193.81	1,959.82	233.99	9.376		
14,800.00	7,630.00	7,582.00	7,582.00	104.56	131.35	-90.00	-2,506.45	5,376.59	2,266.99	2,032.21	234.78	9.656		
14,900.00	7,630.00	7,582.00	7,582.00	105.89	131.35	-90.00	-2,506.45	5,376.59	2,342.15	2,106.69	235.46	9.947		
15,000.00	7,630.00	7,582.00	7,582.00	107.24	131.35	-90.00	-2,506.45	5,376.59	2,419.11	2,183.06	236.05	10.248		
15,100.00	7,630.00	7,582.00	7,582.00	108.60	131.35	-90.00	-2,506.45	5,376.59	2,497.71	2,261.15	236.56	10.558		
15,200.00	7,630.00	7,582.00	7,582.00	109.98	131.35	-90.00	-2,506.45	5,376.59	2,577.79	2,340.79	237.00	10.877		
15,300.00	7,630.00	7,582.00	7,582.00	111.38	131.35	-90.00	-2,506.45	5,376.59	2,659.21	2,421.84	237.37	11.203		
15,400.00	7,630.00	7,582.00	7,582.00	112.79	131.35	-90.00	-2,506.45	5,376.59	2,741.87	2,504.18	237.69	11.536		
15,500.00	7,630.00	7,582.00	7,582.00	114.22	131.35	-90.00	-2,506.45	5,376.59	2,825.65	2,587.69	237.96	11.874		
15,600.00	7,630.00	7,582.00	7,582.00	115.66	131.35	-90.00	-2,506.45	5,376.59	2,910.45	2,672.26	238.19	12.219		
15,700.00	7,630.00	7,582.00	7,582.00	117.11	131.35	-90.00	-2,506.45	5,376.59	2,996.19	2,757.81	238.39	12.569		
15,800.00	7,630.00	7,582.00	7,582.00	118.57	131.35	-90.00	-2,506.45	5,376.59	3,082.79	2,844.24	238.55	12.923		
15,900.00	7,630.00	7,582.00	7,582.00	120.05	131.35	-90.00	-2,506.45	5,376.59	3,170.18	2,931.49	238.69	13.282		
16,000.00	7,630.00	7,582.00	7,582.00	121.53	131.35	-90.00	-2,506.45	5,376.59	3,258.29	3,019.49	238.80	13.644		
16,100.00	7,630.00	7,582.00	7,582.00	123.03	131.35	-90.00	-2,506.45	5,376.59	3,347.07	3,108.18	238.89	14.011		
16,200.00	7,630.00	7,582.00	7,582.00	124.53	131.35	-90.00	-2,506.45	5,376.59	3,436.47	3,197.50	238.97	14.380		
16,300.00	7,630.00	7,582.00	7,582.00	126.04	131.35	-90.00	-2,506.45	5,376.59	3,526.44	3,287.41	239.03	14.753		
16,400.00	7,630.00	7,582.00	7,582.00	127.56	131.35	-90.00	-2,506.45	5,376.59	3,616.93	3,377.86	239.08	15.129		
16,500.00	7,630.00	7,582.00	7,582.00	129.09	131.35	-90.00	-2,506.45	5,376.59	3,707.92	3,468.80	239.11	15.507		
16,600.00	7,630.00	7,582.00	7,582.00	130.62	131.35	-90.00	-2,506.45	5,376.59	3,799.35	3,560.21	239.14	15.888		
16,700.00	7,630.00	7,582.00	7,582.00	132.16	131.35	-90.00	-2,506.45	5,376.59	3,891.21	3,652.05	239.16	16.270		
16,800.00	7,630.00	7,582.00	7,582.00	133.71	131.35	-90.00	-2,506.45	5,376.59	3,983.46	3,744.29	239.17	16.655		
16,900.00	7,630.00	7,582.00	7,582.00	135.27	131.35	-90.00	-2,506.45	5,376.59	4,076.08	3,836.90	239.17	17.042		
17,000.00	7,630.00	7,582.00	7,582.00	136.83	131.35	-90.00	-2,506.45	5,376.59	4,169.03	3,929.86	239.17	17.431		
17,100.00	7,630.00	7,582.00	7,582.00	138.39	131.35	-90.00	-2,506.45	5,376.59	4,262.31	4,023.14	239.16	17.822		
17,200.00	7,630.00	7,582.00	7,582.00	139.97	131.35	-90.00	-2,506.45	5,376.59	4,355.88	4,116.73	239.15	18.214		
17,300.00	7,630.00	7,582.00	7,582.00	141.54	131.35	-90.00	-2,506.45	5,376.59	4,449.73	4,210.59	239.14	18.607		
17,400.00	7,630.00	7,582.00	7,582.00	143.12	131.35	-90.00	-2,506.45	5,376.59	4,543.85	4,304.73	239.12	19.002		
17,500.00	7,630.00	7,582.00	7,582.00	144.71	131.35	-90.00	-2,506.45	5,376.59	4,638.21	4,399.11	239.10	19.398		
17,600.00	7,630.00	7,582.00	7,582.00	146.30	131.35	-90.00	-2,506.45	5,376.59	4,732.81	4,493.72	239.08	19.796		
17,700.00	7,630.00	7,582.00	7,582.00	147.90	131.35	-90.00	-2,506.45	5,376.59	4,827.62	4,588.56	239.06	20.194		
17,800.00	7,630.00	7,582.00	7,582.00	149.50	131.35	-90.00	-2,506.45	5,376.59	4,922.63	4,683.60	239.04	20.594		
17,900.00	7,630.00	7,582.00	7,582.00	151.10	131.35	-90.00	-2,506.45	5,376.59	5,017.84	4,778.83	239.01	20.994		
18,000.00	7,630.00	7,582.00	7,582.00	152.71	131.35	-90.00	-2,506.45	5,376.59	5,113.24	4,874.25	238.98	21.396		
18,100.00	7,630.00	7,582.00	7,582.00	154.32	131.35	-90.00	-2,506.45	5,376.59	5,208.80	4,969.84	238.96	21.798		
18,200.00	7,630.00	7,582.00	7,582.00	155.94	131.35	-90.00	-2,506.45	5,376.59	5,304.53	5,065.60	238.93	22.201		
18,300.00	7,630.00	7,582.00	7,582.00	157.56	131.35	-90.00	-2,506.45	5,376.59	5,400.42	5,161.51	238.90	22.605		
18,400.00	7,630.00	7,582.00	7,582.00	159.18	131.35	-90.00	-2,506.45	5,376.59	5,496.45	5,257.57	238.88	23.010		
18,500.00	7,630.00	7,582.00	7,582.00	160.80	131.35	-90.00	-2,506.45	5,376.59	5,592.62	5,353.77	238.85	23.415		
18,600.00	7,630.00	7,582.00	7,582.00	162.43	131.35	-90.00	-2,506.45	5,376.59	5,688.92	5,450.10	238.82	23.821		
18,700.00	7,630.00	7,582.00	7,582.00	164.06	131.35	-90.00	-2,506.45	5,376.59	5,785.35	5,546.55	238.79	24.227		
18,800.00	7,630.00	7,582.00	7,582.00	165.70	131.35	-90.00	-2,506.45	5,376.59	5,881.89	5,643.13	238.77	24.635		
18,900.00	7,630.00	7,582.00	7,582.00	167.33	131.35	-90.00	-2,506.45	5,376.59	5,978.55	5,739.81	238.74	25.042		
19,000.00	7,630.00	7,582.00	7,582.00	168.97	131.35	-90.00	-2,506.45	5,376.59	6,075.32	5,836.61	238.71	25.450		
19,021.79	7,630.00	7,582.00	7,582.00	169.33	131.35	-90.00	-2,506.45	5,376.59	6,096.42	5,857.71	238.71	25.539		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT ALAUX 1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	143.66	-4,237.21	3,116.96	5,260.23					
100.00	100.00	74.00	74.00	0.13	0.61	143.66	-4,237.21	3,116.96	5,260.17	5,259.42	0.75	7,033.148		
200.00	200.00	174.00	174.00	0.49	2.12	143.66	-4,237.21	3,116.96	5,260.17	5,257.55	2.61	2,012.711		
300.00	300.00	274.00	274.00	0.85	3.87	143.66	-4,237.21	3,116.96	5,260.17	5,255.45	4.72	1,115.086		
400.00	400.00	374.00	374.00	1.21	5.61	143.66	-4,237.21	3,116.96	5,260.17	5,253.35	6.82	771.164		
500.00	500.00	474.00	474.00	1.57	7.36	143.66	-4,237.21	3,116.96	5,260.17	5,251.24	8.92	589.383		
600.00	600.00	574.00	574.00	1.93	9.10	143.66	-4,237.21	3,116.96	5,260.17	5,249.14	11.03	476.954		
700.00	700.00	674.00	674.00	2.29	10.85	143.66	-4,237.21	3,116.96	5,260.17	5,247.04	13.13	400.546		
800.00	799.98	773.98	773.98	2.64	12.59	81.90	-4,237.21	3,116.96	5,259.92	5,244.69	15.23	345.329		
900.00	899.84	873.84	873.84	2.99	14.34	81.97	-4,237.21	3,116.96	5,259.19	5,241.86	17.33	303.517		
1,000.00	999.45	973.45	973.45	3.35	16.07	82.09	-4,237.21	3,116.96	5,257.97	5,238.55	19.43	270.668		
1,100.00	1,098.70	1,072.70	1,072.70	3.73	17.81	82.25	-4,237.21	3,116.96	5,256.30	5,234.77	21.53	244.149		
1,200.00	1,197.47	1,171.47	1,171.47	4.11	19.53	82.46	-4,237.21	3,116.96	5,254.19	5,230.55	23.64	222.257		
1,300.00	1,295.62	1,269.62	1,269.62	4.53	21.24	82.71	-4,237.21	3,116.96	5,251.69	5,225.92	25.76	203.846		
1,400.00	1,393.06	1,367.06	1,367.06	4.97	22.94	83.01	-4,237.21	3,116.96	5,248.82	5,220.92	27.90	188.121		
1,500.00	1,489.64	1,463.64	1,463.64	5.44	24.63	83.34	-4,237.21	3,116.96	5,245.63	5,215.58	30.06	174.510		
1,600.00	1,585.27	1,559.27	1,559.27	5.95	26.30	83.71	-4,237.21	3,116.96	5,242.19	5,209.95	32.24	162.597		
1,700.00	1,679.82	1,653.82	1,653.82	6.51	27.95	84.12	-4,237.21	3,116.96	5,238.54	5,204.10	34.45	152.069		
1,800.00	1,773.17	1,747.17	1,747.17	7.13	29.58	84.56	-4,237.21	3,116.96	5,234.76	5,198.08	36.69	142.690		
1,900.00	1,865.21	1,839.21	1,839.21	7.79	31.18	85.03	-4,237.21	3,116.96	5,230.91	5,191.96	38.96	134.276		
2,000.00	1,955.84	1,929.84	1,929.84	8.51	32.77	85.52	-4,237.21	3,116.96	5,227.08	5,185.82	41.26	126.682		
2,100.00	2,044.94	2,018.94	2,018.94	9.30	34.32	86.04	-4,237.21	3,116.96	5,223.34	5,179.73	43.60	119.795		
2,200.00	2,132.39	2,106.39	2,106.39	10.15	35.85	86.58	-4,237.21	3,116.96	5,219.77	5,173.79	45.98	113.522		
2,300.00	2,218.11	2,207.89	2,192.11	11.07	37.62	87.13	-4,237.21	3,116.96	5,216.48	5,167.81	48.67	107.177		
2,400.00	2,301.97	2,275.97	2,275.97	12.06	38.81	87.69	-4,237.21	3,116.96	5,213.54	5,162.69	50.85	102.529		
2,500.00	2,383.88	2,357.88	2,357.88	13.11	40.24	88.25	-4,237.21	3,116.96	5,211.07	5,157.73	53.34	97.696		
2,512.74	2,394.17	2,368.17	2,368.17	13.25	40.42	88.33	-4,237.21	3,116.96	5,210.79	5,157.13	53.66	97.110		
2,600.00	2,464.54	2,438.54	2,438.54	14.22	41.64	88.78	-4,237.21	3,116.96	5,209.18	5,153.32	55.86	93.255		
2,700.00	2,545.18	2,519.18	2,519.18	15.35	43.05	89.31	-4,237.21	3,116.96	5,207.95	5,149.56	58.40	89.179		
2,800.00	2,625.82	2,600.18	2,599.82	16.50	44.47	89.83	-4,237.21	3,116.96	5,207.40	5,146.44	60.96	85.424		
2,831.96	2,651.59	2,625.59	2,625.59	16.87	44.91	90.00	-4,237.21	3,116.96	5,207.37	5,145.60	61.77	84.299		
2,900.00	2,706.45	2,680.45	2,680.45	17.65	45.87	90.36	-4,237.21	3,116.96	5,207.53	5,144.01	63.52	81.985		
3,000.00	2,787.09	2,761.09	2,761.09	18.82	47.27	90.88	-4,237.21	3,116.96	5,208.32	5,142.23	66.09	78.805		
3,100.00	2,867.73	2,841.73	2,841.73	19.99	48.68	91.41	-4,237.21	3,116.96	5,209.78	5,141.11	68.67	75.866		
3,200.00	2,948.37	2,922.37	2,922.37	21.17	50.09	91.93	-4,237.21	3,116.96	5,211.92	5,140.66	71.25	73.145		
3,300.00	3,029.01	3,003.01	3,003.01	22.36	51.50	92.45	-4,237.21	3,116.96	5,214.72	5,140.88	73.84	70.621		
3,400.00	3,109.65	3,083.65	3,083.65	23.55	52.90	92.98	-4,237.21	3,116.96	5,218.19	5,141.76	76.43	68.274		
3,500.00	3,190.29	3,164.29	3,164.29	24.74	54.31	93.50	-4,237.21	3,116.96	5,222.33	5,143.32	79.02	66.090		
3,600.00	3,270.93	3,244.93	3,244.93	25.94	55.72	94.02	-4,237.21	3,116.96	5,227.14	5,145.53	81.61	64.052		
3,700.00	3,351.57	3,325.57	3,325.57	27.14	57.13	94.55	-4,237.21	3,116.96	5,232.61	5,148.42	84.19	62.149		
3,800.00	3,432.21	3,406.21	3,406.21	28.35	58.53	95.07	-4,237.21	3,116.96	5,238.74	5,151.96	86.78	60.368		
3,900.00	3,512.85	3,486.85	3,486.85	29.56	59.94	95.59	-4,237.21	3,116.96	5,245.54	5,156.17	89.36	58.699		
4,000.00	3,593.49	3,567.49	3,567.49	30.76	61.35	96.11	-4,237.21	3,116.96	5,252.98	5,161.04	91.94	57.134		
4,100.00	3,674.13	3,648.13	3,648.13	31.97	62.76	96.62	-4,237.21	3,116.96	5,261.09	5,166.57	94.52	55.662		
4,200.00	3,754.77	3,728.77	3,728.77	33.19	64.16	97.14	-4,237.21	3,116.96	5,269.84	5,172.75	97.09	54.279		
4,300.00	3,835.41	3,809.41	3,809.41	34.40	65.57	97.66	-4,237.21	3,116.96	5,279.24	5,179.59	99.65	52.975		
4,400.00	3,916.05	3,909.95	3,890.05	35.62	67.33	98.17	-4,237.21	3,116.96	5,289.29	5,186.73	102.56	51.571		
4,500.00	3,996.69	3,970.69	3,970.69	36.83	68.39	98.69	-4,237.21	3,116.96	5,299.98	5,195.21	104.77	50.587		
4,600.00	4,077.33	4,051.33	4,051.33	38.05	69.79	99.20	-4,237.21	3,116.96	5,311.30	5,203.99	107.32	49.491		
4,700.00	4,157.96	4,131.96	4,131.96	39.27	71.20	99.71	-4,237.21	3,116.96	5,323.26	5,213.40	109.86	48.455		
4,800.00	4,238.60	4,212.60	4,212.60	40.49	72.61	100.22	-4,237.21	3,116.96	5,335.85	5,223.45	112.39	47.474		
4,900.00	4,319.24	4,306.76	4,293.24	41.71	74.25	100.72	-4,237.21	3,116.96	5,349.06	5,233.90	115.16	46.450		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT ALAUX 1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	4,399.88	4,373.88	4,373.88	42.93	75.42	101.23	-4,237.21	3,116.96	5,362.89	5,245.45	117.44	45.664		
5,100.00	4,480.52	4,454.52	4,454.52	44.15	76.83	101.73	-4,237.21	3,116.96	5,377.33	5,257.38	119.95	44.829		
5,200.00	4,561.16	4,535.16	4,535.16	45.37	78.24	102.24	-4,237.21	3,116.96	5,392.39	5,269.93	122.46	44.035		
5,300.00	4,641.80	4,615.80	4,615.80	46.59	79.64	102.74	-4,237.21	3,116.96	5,408.05	5,283.10	124.95	43.281		
5,400.00	4,722.44	4,703.56	4,696.44	47.82	81.18	103.23	-4,237.21	3,116.96	5,424.31	5,296.74	127.56	42.523		
5,500.00	4,803.08	4,777.08	4,777.08	49.04	82.46	103.73	-4,237.21	3,116.96	5,441.16	5,311.24	129.92	41.882		
5,600.00	4,883.72	4,857.72	4,857.72	50.27	83.87	104.22	-4,237.21	3,116.96	5,458.60	5,326.22	132.38	41.233		
5,700.00	4,964.36	4,938.36	4,938.36	51.49	85.27	104.72	-4,237.21	3,116.96	5,476.63	5,341.78	134.84	40.614		
5,800.00	5,045.00	5,019.00	5,019.00	52.71	86.68	105.21	-4,237.21	3,116.96	5,495.23	5,357.94	137.29	40.025		
5,900.00	5,125.64	5,050.00	5,050.00	53.94	87.22	105.39	-4,237.21	3,116.96	5,514.63	5,375.78	138.84	39.718		
6,000.00	5,206.28	5,050.00	5,050.00	55.17	87.22	105.39	-4,237.21	3,116.96	5,535.68	5,395.87	139.80	39.596		
6,100.00	5,286.92	5,050.00	5,050.00	56.39	87.22	105.39	-4,237.21	3,116.96	5,558.45	5,417.72	140.72	39.499		
6,200.00	5,367.56	5,050.00	5,050.00	57.62	87.22	105.39	-4,237.21	3,116.96	5,582.91	5,441.31	141.60	39.426		
6,300.00	5,448.20	5,050.00	5,050.00	58.84	87.22	105.39	-4,237.21	3,116.96	5,609.06	5,466.61	142.44	39.377		
6,400.00	5,528.84	5,050.00	5,050.00	60.07	87.22	105.39	-4,237.21	3,116.96	5,636.85	5,493.61	143.24	39.352		
6,500.00	5,609.47	5,050.00	5,050.00	61.30	87.22	105.39	-4,237.21	3,116.96	5,666.28	5,522.28	144.00	39.349		
6,600.00	5,690.11	5,050.00	5,050.00	62.53	87.22	105.39	-4,237.21	3,116.96	5,697.31	5,552.59	144.72	39.367		
6,700.00	5,770.75	5,050.00	5,050.00	63.75	87.22	105.39	-4,237.21	3,116.96	5,729.92	5,584.51	145.41	39.406		
6,800.00	5,851.39	5,050.00	5,050.00	64.98	87.22	105.39	-4,237.21	3,116.96	5,764.07	5,618.02	146.05	39.466		
6,900.00	5,932.03	5,050.00	5,050.00	66.21	87.22	105.39	-4,237.21	3,116.96	5,799.75	5,653.09	146.66	39.546		
7,000.00	6,012.67	5,050.00	5,050.00	67.44	87.22	105.39	-4,237.21	3,116.96	5,836.93	5,689.70	147.23	39.645		
7,100.00	6,093.31	5,050.00	5,050.00	68.66	87.22	105.39	-4,237.21	3,116.96	5,875.57	5,727.80	147.77	39.762		
7,200.00	6,173.95	5,050.00	5,050.00	69.89	87.22	105.39	-4,237.21	3,116.96	5,915.65	5,767.38	148.27	39.898		
7,300.00	6,254.59	5,050.00	5,050.00	71.12	87.22	105.39	-4,237.21	3,116.96	5,957.14	5,808.40	148.74	40.051		
7,400.00	6,335.23	5,050.00	5,050.00	72.35	87.22	105.39	-4,237.21	3,116.96	6,000.01	5,850.83	149.18	40.221		
7,500.00	6,415.87	5,050.00	5,050.00	73.58	87.22	105.39	-4,237.21	3,116.96	6,044.23	5,894.65	149.58	40.407		
7,600.00	6,496.51	5,050.00	5,050.00	74.81	87.22	105.39	-4,237.21	3,116.96	6,089.77	5,939.81	149.96	40.610		
7,700.00	6,577.15	5,050.00	5,050.00	76.04	87.22	105.39	-4,237.21	3,116.96	6,136.61	5,986.30	150.31	40.827		
7,800.00	6,657.79	5,050.00	5,050.00	77.27	87.22	105.39	-4,237.21	3,116.96	6,184.70	6,034.08	150.63	41.060		
7,900.00	6,738.43	5,050.00	5,050.00	78.50	87.22	105.39	-4,237.21	3,116.96	6,234.03	6,083.11	150.92	41.307		
8,000.00	6,819.07	5,050.00	5,050.00	79.73	87.22	105.39	-4,237.21	3,116.96	6,284.56	6,133.38	151.18	41.569		
8,100.00	6,899.71	5,050.00	5,050.00	80.96	87.22	105.39	-4,237.21	3,116.96	6,336.27	6,184.85	151.43	41.844		
8,200.00	6,980.35	5,050.00	5,050.00	82.18	87.22	105.39	-4,237.21	3,116.96	6,389.13	6,237.48	151.65	42.132		
8,240.58	7,013.07	5,050.00	5,050.00	82.68	87.22	105.39	-4,237.21	3,116.96	6,410.90	6,259.17	151.73	42.253		
8,250.00	7,020.68	5,050.00	5,050.00	82.80	87.22	104.29	-4,237.21	3,116.96	6,415.91	6,264.17	151.75	42.281		
8,300.00	7,061.63	5,050.00	5,050.00	83.40	87.22	97.93	-4,237.21	3,116.96	6,440.49	6,288.65	151.84	42.417		
8,350.00	7,103.23	5,050.00	5,050.00	83.97	87.22	90.90	-4,237.21	3,116.96	6,461.53	6,309.61	151.92	42.533		
8,400.00	7,145.18	5,050.00	5,050.00	84.51	87.22	83.46	-4,237.21	3,116.96	6,478.91	6,326.92	151.99	42.628		
8,450.00	7,187.16	5,050.00	5,050.00	85.01	87.22	75.93	-4,237.21	3,116.96	6,492.52	6,340.48	152.04	42.704		
8,500.00	7,228.84	5,050.00	5,050.00	85.46	87.22	68.64	-4,237.21	3,116.96	6,502.28	6,350.22	152.06	42.760		
8,550.00	7,269.91	5,050.00	5,050.00	85.86	87.22	61.86	-4,237.21	3,116.96	6,508.15	6,356.08	152.07	42.798		
8,600.00	7,310.05	5,050.00	5,050.00	86.20	87.22	55.75	-4,237.21	3,116.96	6,510.08	6,358.04	152.04	42.818		
8,650.00	7,348.97	5,050.00	5,050.00	86.50	87.22	50.37	-4,237.21	3,116.96	6,508.06	6,356.07	151.99	42.820		
8,700.00	7,386.36	5,050.00	5,050.00	86.74	87.22	45.69	-4,237.21	3,116.96	6,502.11	6,350.20	151.91	42.804		
8,750.00	7,421.94	5,050.00	5,050.00	86.93	87.22	41.65	-4,237.21	3,116.96	6,492.26	6,340.46	151.80	42.769		
8,800.00	7,455.44	5,050.00	5,050.00	87.07	87.22	38.18	-4,237.21	3,116.96	6,478.56	6,326.90	151.66	42.717		
8,850.00	7,486.61	5,050.00	5,050.00	87.16	87.22	35.17	-4,237.21	3,116.96	6,461.10	6,309.60	151.50	42.647		
8,900.00	7,515.20	5,050.00	5,050.00	87.20	87.22	32.56	-4,237.21	3,116.96	6,439.98	6,288.66	151.32	42.559		
8,950.00	7,541.00	5,050.00	5,050.00	87.21	87.22	30.26	-4,237.21	3,116.96	6,415.32	6,264.20	151.12	42.452		
9,000.00	7,563.81	5,050.00	5,050.00	87.17	87.22	28.20	-4,237.21	3,116.96	6,387.28	6,236.38	150.90	42.327		
9,050.00	7,583.47	5,050.00	5,050.00	87.10	87.22	26.32	-4,237.21	3,116.96	6,356.02	6,205.35	150.68	42.184		
9,100.00	7,599.81	5,050.00	5,050.00	87.00	87.22	24.54	-4,237.21	3,116.96	6,321.74	6,171.30	150.44	42.022		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT ALAUX 1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INCL-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,150.00	7,612.72	5,050.00	5,050.00	86.88	87.22	22.78	-4,237.21	3,116.96	6,284.65	6,134.44	150.20	41.841		
9,200.00	7,622.09	5,050.00	5,050.00	86.72	87.22	20.94	-4,237.21	3,116.96	6,244.98	6,095.01	149.97	41.643		
9,250.00	7,627.87	5,050.00	5,050.00	86.55	87.22	18.85	-4,237.21	3,116.96	6,202.98	6,053.25	149.74	41.426		
9,303.98	7,630.00	5,050.00	5,050.00	86.35	87.22	16.04	-4,237.21	3,116.96	6,155.37	6,005.87	149.50	41.173		
9,400.00	7,630.00	5,050.00	5,050.00	85.99	87.22	16.04	-4,237.21	3,116.96	6,068.90	5,919.81	149.09	40.707		
9,500.00	7,630.00	5,050.00	5,050.00	85.62	87.22	16.04	-4,237.21	3,116.96	5,979.15	5,830.51	148.64	40.225		
9,600.00	7,630.00	5,050.00	5,050.00	85.28	87.22	16.04	-4,237.21	3,116.96	5,889.74	5,741.56	148.18	39.748		
9,700.00	7,630.00	5,050.00	5,050.00	84.95	87.22	16.04	-4,237.21	3,116.96	5,800.67	5,652.97	147.70	39.274		
9,800.00	7,630.00	5,050.00	5,050.00	84.64	87.22	16.04	-4,237.21	3,116.96	5,711.97	5,564.77	147.20	38.805		
9,900.00	7,630.00	5,050.00	5,050.00	84.34	87.22	16.04	-4,237.21	3,116.96	5,623.64	5,476.96	146.68	38.340		
10,000.00	7,630.00	5,050.00	5,050.00	84.06	87.22	16.04	-4,237.21	3,116.96	5,535.71	5,389.57	146.14	37.880		
10,100.00	7,630.00	5,050.00	5,050.00	83.80	87.22	16.04	-4,237.21	3,116.96	5,448.20	5,302.62	145.58	37.425		
10,200.00	7,630.00	5,050.00	5,050.00	83.56	87.22	16.04	-4,237.21	3,116.96	5,361.12	5,216.13	144.99	36.975		
10,300.00	7,630.00	5,050.00	5,050.00	83.33	87.22	16.04	-4,237.21	3,116.96	5,274.50	5,130.12	144.39	36.530		
10,400.00	7,630.00	5,050.00	5,050.00	83.12	87.22	16.04	-4,237.21	3,116.96	5,188.37	5,044.61	143.75	36.092		
10,500.00	7,630.00	5,050.00	5,050.00	82.92	87.22	16.04	-4,237.21	3,116.96	5,102.74	4,959.64	143.10	35.660		
10,600.00	7,630.00	5,050.00	5,050.00	82.75	87.22	16.04	-4,237.21	3,116.96	5,017.64	4,875.23	142.41	35.234		
10,700.00	7,630.00	5,050.00	5,050.00	82.59	87.22	16.04	-4,237.21	3,116.96	4,933.10	4,791.40	141.70	34.815		
10,800.00	7,630.00	5,050.00	5,050.00	82.45	87.22	16.04	-4,237.21	3,116.96	4,849.15	4,708.20	140.95	34.403		
10,900.00	7,630.00	5,050.00	5,050.00	82.33	87.22	16.04	-4,237.21	3,116.96	4,765.82	4,625.64	140.17	33.999		
11,000.00	7,630.00	5,050.00	5,050.00	82.22	87.22	16.04	-4,237.21	3,116.96	4,683.14	4,543.77	139.37	33.603		
11,100.00	7,630.00	5,050.00	5,050.00	82.14	87.22	16.04	-4,237.21	3,116.96	4,601.15	4,462.63	138.52	33.216		
11,200.00	7,630.00	5,050.00	5,050.00	82.08	87.22	16.04	-4,237.21	3,116.96	4,519.88	4,382.24	137.64	32.838		
11,300.00	7,630.00	5,050.00	5,050.00	82.04	87.22	16.04	-4,237.21	3,116.96	4,439.38	4,302.66	136.72	32.470		
11,400.00	7,630.00	5,050.00	5,050.00	82.02	87.22	16.04	-4,237.21	3,116.96	4,359.68	4,223.92	135.76	32.112		
11,500.00	7,630.00	5,050.00	5,050.00	82.03	87.22	16.04	-4,237.21	3,116.96	4,280.84	4,146.08	134.76	31.765		
11,600.00	7,630.00	5,050.00	5,050.00	82.06	87.22	16.04	-4,237.21	3,116.96	4,202.90	4,069.18	133.72	31.430		
11,700.00	7,630.00	5,050.00	5,050.00	82.12	87.22	16.04	-4,237.21	3,116.96	4,125.91	3,993.28	132.64	31.107		
11,800.00	7,630.00	5,050.00	5,050.00	82.21	87.22	16.04	-4,237.21	3,116.96	4,049.93	3,918.43	131.50	30.797		
11,900.00	7,630.00	5,050.00	5,050.00	82.33	87.22	16.04	-4,237.21	3,116.96	3,975.01	3,844.69	130.32	30.502		
12,000.00	7,630.00	5,050.00	5,050.00	82.48	87.22	16.04	-4,237.21	3,116.96	3,901.21	3,772.12	129.09	30.220		
12,100.00	7,630.00	5,050.00	5,050.00	82.66	87.22	16.04	-4,237.21	3,116.96	3,828.61	3,700.79	127.81	29.955		
12,200.00	7,630.00	5,050.00	5,050.00	82.88	87.22	16.04	-4,237.21	3,116.96	3,757.26	3,630.78	126.48	29.706		
12,300.00	7,630.00	5,050.00	5,050.00	83.14	87.22	16.04	-4,237.21	3,116.96	3,687.24	3,562.14	125.10	29.475		
12,400.00	7,630.00	5,050.00	5,050.00	83.44	87.22	16.04	-4,237.21	3,116.96	3,618.64	3,494.97	123.66	29.262		
12,500.00	7,630.00	5,050.00	5,050.00	83.79	87.22	16.04	-4,237.21	3,116.96	3,551.52	3,429.34	122.18	29.068		
12,600.00	7,630.00	5,050.00	5,050.00	84.18	87.22	16.04	-4,237.21	3,116.96	3,485.98	3,365.34	120.64	28.896		
12,700.00	7,630.00	5,050.00	5,050.00	84.61	87.22	16.04	-4,237.21	3,116.96	3,422.11	3,303.06	119.05	28.745		
12,800.00	7,630.00	5,050.00	5,050.00	85.10	87.22	16.04	-4,237.21	3,116.96	3,360.00	3,242.58	117.42	28.616		
12,900.00	7,630.00	5,050.00	5,050.00	85.64	87.22	16.04	-4,237.21	3,116.96	3,299.75	3,184.02	115.73	28.511		
13,000.00	7,630.00	5,050.00	5,050.00	86.22	87.22	16.04	-4,237.21	3,116.96	3,241.47	3,127.46	114.01	28.431		
13,100.00	7,630.00	5,050.00	5,050.00	86.86	87.22	16.04	-4,237.21	3,116.96	3,185.26	3,073.01	112.25	28.376		
13,200.00	7,630.00	5,050.00	5,050.00	87.56	87.22	16.04	-4,237.21	3,116.96	3,131.24	3,020.78	110.46	28.346		
13,300.00	7,630.00	5,050.00	5,050.00	88.30	87.22	16.04	-4,237.21	3,116.96	3,079.52	2,970.87	108.65	28.343		
13,400.00	7,630.00	5,050.00	5,050.00	89.10	87.22	16.04	-4,237.21	3,116.96	3,030.22	2,923.39	106.83	28.365		
13,500.00	7,630.00	5,050.00	5,050.00	89.94	87.22	16.04	-4,237.21	3,116.96	2,983.45	2,878.44	105.01	28.412		
13,600.00	7,630.00	5,050.00	5,050.00	90.84	87.22	16.04	-4,237.21	3,116.96	2,939.35	2,836.15	103.20	28.483		
13,700.00	7,630.00	5,050.00	5,050.00	91.78	87.22	16.04	-4,237.21	3,116.96	2,898.02	2,796.61	101.41	28.576		
13,800.00	7,630.00	5,050.00	5,050.00	92.77	87.22	16.04	-4,237.21	3,116.96	2,859.60	2,759.91	99.68	28.687		
13,900.00	7,630.00	5,050.00	5,050.00	93.79	87.22	16.04	-4,237.21	3,116.96	2,824.19	2,726.17	98.02	28.813		
14,000.00	7,630.00	5,050.00	5,050.00	94.86	87.22	16.04	-4,237.21	3,116.96	2,791.92	2,695.47	96.45	28.947		
14,100.00	7,630.00	5,050.00	5,050.00	95.97	87.22	16.04	-4,237.21	3,116.96	2,762.90	2,667.89	95.01	29.081		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT ALAUX 1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,630.00	5,050.00	5,050.00	97.11	87.22	16.04	-4,237.21	3,116.96	2,737.22	2,643.50	93.72	29.206		
14,300.00	7,630.00	5,050.00	5,050.00	98.28	87.22	16.04	-4,237.21	3,116.96	2,714.98	2,622.35	92.63	29.310		
14,400.00	7,630.00	5,050.00	5,050.00	99.48	87.22	16.04	-4,237.21	3,116.96	2,696.27	2,604.50	91.77	29.380		
14,500.00	7,630.00	5,050.00	5,050.00	100.72	87.22	16.04	-4,237.21	3,116.96	2,681.17	2,589.98	91.19	29.403		
14,600.00	7,630.00	5,050.00	5,050.00	101.97	87.22	16.04	-4,237.21	3,116.96	2,669.72	2,578.81	90.92	29.364		
14,700.00	7,630.00	5,050.00	5,050.00	103.26	87.22	16.04	-4,237.21	3,116.96	2,661.99	2,570.99	91.00	29.254		
14,800.00	7,630.00	5,050.00	5,050.00	104.56	87.22	16.04	-4,237.21	3,116.96	2,658.00	2,566.55	91.45	29.066		
14,856.16	7,630.00	5,050.00	5,050.00	105.31	87.22	16.04	-4,237.21	3,116.96	2,657.41	2,565.54	91.87	28.926 CC		
14,900.00	7,630.00	5,050.00	5,050.00	105.89	87.22	16.04	-4,237.21	3,116.96	2,657.77	2,565.49	92.28	28.800 ES		
15,000.00	7,630.00	5,050.00	5,050.00	107.24	87.22	16.04	-4,237.21	3,116.96	2,661.30	2,567.81	93.49	28.466		
15,100.00	7,630.00	5,050.00	5,050.00	108.60	87.22	16.04	-4,237.21	3,116.96	2,668.57	2,573.52	95.05	28.075		
15,200.00	7,630.00	5,050.00	5,050.00	109.98	87.22	16.04	-4,237.21	3,116.96	2,679.56	2,582.64	96.92	27.648		
15,300.00	7,630.00	5,050.00	5,050.00	111.38	87.22	16.04	-4,237.21	3,116.96	2,694.22	2,595.17	99.05	27.201		
15,400.00	7,630.00	5,050.00	5,050.00	112.79	87.22	16.04	-4,237.21	3,116.96	2,712.49	2,611.10	101.39	26.754		
15,500.00	7,630.00	5,050.00	5,050.00	114.22	87.22	16.04	-4,237.21	3,116.96	2,734.29	2,630.41	103.88	26.321		
15,600.00	7,630.00	5,050.00	5,050.00	115.66	87.22	16.04	-4,237.21	3,116.96	2,759.55	2,653.06	106.48	25.915		
15,700.00	7,630.00	5,050.00	5,050.00	117.11	87.22	16.04	-4,237.21	3,116.96	2,788.17	2,679.02	109.15	25.544		
15,800.00	7,630.00	5,050.00	5,050.00	118.57	87.22	16.04	-4,237.21	3,116.96	2,820.04	2,708.20	111.84	25.214		
15,900.00	7,630.00	5,050.00	5,050.00	120.05	87.22	16.04	-4,237.21	3,116.96	2,855.07	2,740.54	114.53	24.929		
16,000.00	7,630.00	5,050.00	5,050.00	121.53	87.22	16.04	-4,237.21	3,116.96	2,893.13	2,775.94	117.18	24.689		
16,100.00	7,630.00	5,050.00	5,050.00	123.03	87.22	16.04	-4,237.21	3,116.96	2,934.10	2,814.31	119.79	24.494		
16,200.00	7,630.00	5,050.00	5,050.00	124.53	87.22	16.04	-4,237.21	3,116.96	2,977.87	2,855.55	122.33	24.344		
16,300.00	7,630.00	5,050.00	5,050.00	126.04	87.22	16.04	-4,237.21	3,116.96	3,024.32	2,899.53	124.78	24.237		
16,400.00	7,630.00	5,050.00	5,050.00	127.56	87.22	16.04	-4,237.21	3,116.96	3,073.31	2,946.16	127.15	24.171		
16,500.00	7,630.00	5,050.00	5,050.00	129.09	87.22	16.04	-4,237.21	3,116.96	3,124.74	2,995.32	129.42	24.144 SF		
16,600.00	7,630.00	5,050.00	5,050.00	130.62	87.22	16.04	-4,237.21	3,116.96	3,178.49	3,046.89	131.60	24.153		
16,700.00	7,630.00	5,050.00	5,050.00	132.16	87.22	16.04	-4,237.21	3,116.96	3,234.43	3,100.76	133.67	24.197		
16,800.00	7,630.00	5,050.00	5,050.00	133.71	87.22	16.04	-4,237.21	3,116.96	3,292.47	3,156.82	135.65	24.272		
16,900.00	7,630.00	5,050.00	5,050.00	135.27	87.22	16.04	-4,237.21	3,116.96	3,352.48	3,214.95	137.52	24.377		
17,000.00	7,630.00	5,050.00	5,050.00	136.83	87.22	16.04	-4,237.21	3,116.96	3,414.36	3,275.06	139.30	24.510		
17,100.00	7,630.00	5,050.00	5,050.00	138.39	87.22	16.04	-4,237.21	3,116.96	3,478.02	3,337.04	140.99	24.669		
17,200.00	7,630.00	5,050.00	5,050.00	139.97	87.22	16.04	-4,237.21	3,116.96	3,543.36	3,400.78	142.58	24.852		
17,300.00	7,630.00	5,050.00	5,050.00	141.54	87.22	16.04	-4,237.21	3,116.96	3,610.29	3,466.21	144.08	25.057		
17,400.00	7,630.00	5,050.00	5,050.00	143.12	87.22	16.04	-4,237.21	3,116.96	3,678.71	3,533.21	145.50	25.283		
17,500.00	7,630.00	5,050.00	5,050.00	144.71	87.22	16.04	-4,237.21	3,116.96	3,748.56	3,601.72	146.84	25.528		
17,600.00	7,630.00	5,050.00	5,050.00	146.30	87.22	16.04	-4,237.21	3,116.96	3,819.75	3,671.64	148.10	25.791		
17,700.00	7,630.00	5,050.00	5,050.00	147.90	87.22	16.04	-4,237.21	3,116.96	3,892.20	3,742.91	149.30	26.070		
17,800.00	7,630.00	5,050.00	5,050.00	149.50	87.22	16.04	-4,237.21	3,116.96	3,965.86	3,815.44	150.42	26.366		
17,900.00	7,630.00	5,050.00	5,050.00	151.10	87.22	16.04	-4,237.21	3,116.96	4,040.64	3,889.16	151.48	26.675		
18,000.00	7,630.00	5,050.00	5,050.00	152.71	87.22	16.04	-4,237.21	3,116.96	4,116.50	3,964.02	152.47	26.998		
18,100.00	7,630.00	5,050.00	5,050.00	154.32	87.22	16.04	-4,237.21	3,116.96	4,193.37	4,039.95	153.41	27.334		
18,200.00	7,630.00	5,050.00	5,050.00	155.94	87.22	16.04	-4,237.21	3,116.96	4,271.19	4,116.89	154.30	27.681		
18,300.00	7,630.00	5,050.00	5,050.00	157.56	87.22	16.04	-4,237.21	3,116.96	4,349.93	4,194.79	155.14	28.039		
18,400.00	7,630.00	5,050.00	5,050.00	159.18	87.22	16.04	-4,237.21	3,116.96	4,429.52	4,273.59	155.93	28.408		
18,500.00	7,630.00	5,050.00	5,050.00	160.80	87.22	16.04	-4,237.21	3,116.96	4,509.92	4,353.25	156.67	28.786		
18,600.00	7,630.00	5,050.00	5,050.00	162.43	87.22	16.04	-4,237.21	3,116.96	4,591.10	4,433.72	157.37	29.173		
18,700.00	7,630.00	5,050.00	5,050.00	164.06	87.22	16.04	-4,237.21	3,116.96	4,673.00	4,514.96	158.04	29.569		
18,800.00	7,630.00	5,050.00	5,050.00	165.70	87.22	16.04	-4,237.21	3,116.96	4,755.60	4,596.93	158.67	29.972		
18,900.00	7,630.00	5,050.00	5,050.00	167.33	87.22	16.04	-4,237.21	3,116.96	4,838.85	4,679.59	159.26	30.383		
19,000.00	7,630.00	5,050.00	5,050.00	168.97	87.22	16.04	-4,237.21	3,116.96	4,922.73	4,762.90	159.82	30.802		
19,021.79	7,630.00	5,050.00	5,050.00	169.33	87.22	16.04	-4,237.21	3,116.96	4,941.08	4,781.14	159.94	30.893		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT ALAUX 2 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INCL-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	157.01	-4,237.34	1,797.92	4,603.06					
100.00	100.00	76.00	76.00	0.13	0.62	157.01	-4,237.34	1,797.92	4,602.99	4,602.24	0.76	6,073.679		
200.00	200.00	176.00	176.00	0.49	2.15	157.01	-4,237.34	1,797.92	4,602.99	4,600.35	2.64	1,743.787		
300.00	300.00	276.00	276.00	0.85	3.89	157.01	-4,237.34	1,797.92	4,602.99	4,598.25	4.74	970.388		
400.00	400.00	376.00	376.00	1.21	5.64	157.01	-4,237.34	1,797.92	4,602.99	4,596.15	6.85	672.239		
500.00	500.00	476.00	476.00	1.57	7.38	157.01	-4,237.34	1,797.92	4,602.99	4,594.04	8.95	514.240		
600.00	600.00	576.00	576.00	1.93	9.13	157.01	-4,237.34	1,797.92	4,602.99	4,591.94	11.05	416.378		
700.00	700.00	676.00	676.00	2.29	10.87	157.01	-4,237.34	1,797.92	4,602.99	4,589.84	13.16	349.807		
800.00	799.98	775.98	775.98	2.64	12.62	95.24	-4,237.34	1,797.92	4,603.15	4,587.90	15.26	301.689		
900.00	899.84	875.84	875.84	2.99	14.36	95.30	-4,237.34	1,797.92	4,603.63	4,586.28	17.35	265.274		
1,000.00	999.45	975.45	975.45	3.35	16.10	95.39	-4,237.34	1,797.92	4,604.45	4,585.00	19.45	236.691		
1,100.00	1,098.70	1,074.70	1,074.70	3.73	17.83	95.51	-4,237.34	1,797.92	4,605.62	4,584.06	21.56	213.641		
1,200.00	1,197.47	1,173.47	1,173.47	4.11	19.56	95.67	-4,237.34	1,797.92	4,607.16	4,583.49	23.67	194.639		
1,300.00	1,295.62	1,271.62	1,271.62	4.53	21.27	95.87	-4,237.34	1,797.92	4,609.11	4,583.32	25.79	178.684		
1,400.00	1,393.06	1,369.06	1,369.06	4.97	22.97	96.09	-4,237.34	1,797.92	4,611.52	4,583.58	27.94	165.080		
1,500.00	1,489.64	1,465.64	1,465.64	5.44	24.66	96.34	-4,237.34	1,797.92	4,614.42	4,584.32	30.09	153.330		
1,600.00	1,585.27	1,561.27	1,561.27	5.95	26.32	96.62	-4,237.34	1,797.92	4,617.87	4,585.59	32.28	143.070		
1,700.00	1,679.82	1,655.82	1,655.82	6.51	27.97	96.92	-4,237.34	1,797.92	4,621.92	4,587.44	34.49	134.026		
1,800.00	1,773.17	1,749.17	1,749.17	7.13	29.60	97.23	-4,237.34	1,797.92	4,626.65	4,589.93	36.72	125.992		
1,900.00	1,865.21	1,841.21	1,841.21	7.79	31.21	97.57	-4,237.34	1,797.92	4,632.11	4,593.12	38.99	118.807		
2,000.00	1,955.84	1,931.84	1,931.84	8.51	32.79	97.91	-4,237.34	1,797.92	4,638.38	4,597.09	41.29	112.346		
2,100.00	2,044.94	2,020.94	2,020.94	9.30	34.35	98.27	-4,237.34	1,797.92	4,645.53	4,601.92	43.62	106.507		
2,200.00	2,132.39	2,108.39	2,108.39	10.15	35.87	98.62	-4,237.34	1,797.92	4,653.65	4,607.67	45.98	101.210		
2,300.00	2,218.11	2,205.89	2,194.11	11.07	37.58	98.98	-4,237.34	1,797.92	4,662.81	4,614.23	48.58	95.981		
2,400.00	2,301.97	2,277.97	2,277.97	12.06	38.83	99.33	-4,237.34	1,797.92	4,673.10	4,622.30	50.80	91.990		
2,500.00	2,383.88	2,359.88	2,359.88	13.11	40.26	99.68	-4,237.34	1,797.92	4,684.59	4,631.33	53.25	87.967		
2,512.74	2,394.17	2,370.17	2,370.17	13.25	40.44	99.72	-4,237.34	1,797.92	4,686.14	4,632.57	53.57	87.480		
2,600.00	2,464.54	2,440.54	2,440.54	14.22	41.67	100.22	-4,237.34	1,797.92	4,697.13	4,641.40	55.73	84.284		
2,700.00	2,545.18	2,521.18	2,521.18	15.35	43.08	100.80	-4,237.34	1,797.92	4,710.40	4,652.18	58.22	80.909		
2,800.00	2,625.82	2,601.82	2,601.82	16.50	44.49	101.37	-4,237.34	1,797.92	4,724.36	4,663.65	60.71	77.812		
2,900.00	2,706.45	2,682.45	2,682.45	17.65	45.89	101.95	-4,237.34	1,797.92	4,739.02	4,675.81	63.22	74.966		
3,000.00	2,787.09	2,763.09	2,763.09	18.82	47.30	102.51	-4,237.34	1,797.92	4,754.37	4,688.65	65.72	72.344		
3,100.00	2,867.73	2,843.73	2,843.73	19.99	48.71	103.08	-4,237.34	1,797.92	4,770.41	4,702.19	68.22	69.925		
3,200.00	2,948.37	2,924.37	2,924.37	21.17	50.11	103.65	-4,237.34	1,797.92	4,787.12	4,716.40	70.72	67.689		
3,300.00	3,029.01	3,005.01	3,005.01	22.36	51.52	104.21	-4,237.34	1,797.92	4,804.50	4,731.28	73.22	65.617		
3,400.00	3,109.65	3,085.65	3,085.65	23.55	52.93	104.77	-4,237.34	1,797.92	4,822.55	4,746.83	75.71	63.694		
3,500.00	3,190.29	3,166.29	3,166.29	24.74	54.34	105.32	-4,237.34	1,797.92	4,841.25	4,763.04	78.20	61.906		
3,600.00	3,270.93	3,246.93	3,246.93	25.94	55.74	105.88	-4,237.34	1,797.92	4,860.59	4,779.91	80.69	60.241		
3,700.00	3,351.57	3,327.57	3,327.57	27.14	57.15	106.43	-4,237.34	1,797.92	4,880.58	4,797.42	83.16	58.688		
3,800.00	3,432.21	3,408.21	3,408.21	28.35	58.56	106.97	-4,237.34	1,797.92	4,901.20	4,815.57	85.63	57.237		
3,900.00	3,512.85	3,488.85	3,488.85	29.56	59.97	107.52	-4,237.34	1,797.92	4,922.44	4,834.35	88.09	55.879		
4,000.00	3,593.49	3,569.49	3,569.49	30.76	61.37	108.06	-4,237.34	1,797.92	4,944.30	4,853.76	90.54	54.606		
4,100.00	3,674.13	3,650.13	3,650.13	31.97	62.78	108.59	-4,237.34	1,797.92	4,966.77	4,873.78	92.99	53.412		
4,200.00	3,754.77	3,730.77	3,730.77	33.19	64.19	109.13	-4,237.34	1,797.92	4,989.84	4,894.41	95.43	52.291		
4,300.00	3,835.41	3,811.41	3,811.41	34.40	65.60	109.66	-4,237.34	1,797.92	5,013.50	4,915.65	97.85	51.236		
4,400.00	3,916.05	3,907.95	3,907.95	35.62	67.28	110.18	-4,237.34	1,797.92	5,037.74	4,937.19	100.55	50.104		
4,500.00	3,996.69	3,972.69	3,972.69	36.83	68.41	110.71	-4,237.34	1,797.92	5,062.56	4,959.88	102.68	49.306		
4,600.00	4,077.33	4,053.33	4,053.33	38.05	69.82	111.23	-4,237.34	1,797.92	5,087.94	4,982.86	105.07	48.422		
4,700.00	4,157.96	4,133.96	4,133.96	39.27	71.23	111.74	-4,237.34	1,797.92	5,113.88	5,006.42	107.46	47.588		
4,800.00	4,238.60	4,214.60	4,214.60	40.49	72.63	112.26	-4,237.34	1,797.92	5,140.37	5,030.53	109.84	46.799		
4,900.00	4,319.24	4,304.76	4,295.24	41.71	74.21	112.76	-4,237.34	1,797.92	5,167.40	5,055.03	112.37	45.984		
5,000.00	4,399.88	4,375.88	4,375.88	42.93	75.45	113.27	-4,237.34	1,797.92	5,194.97	5,080.40	114.57	45.345		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT ALAUX 2 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INCL-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,480.52	4,456.52	4,456.52	44.15	76.86	113.77	-4,237.34	1,797.92	5,223.05	5,106.14	116.91	44.674		
5,200.00	4,561.16	4,537.16	4,537.16	45.37	78.26	114.27	-4,237.34	1,797.92	5,251.66	5,132.41	119.25	44.039		
5,300.00	4,641.80	4,617.80	4,617.80	46.59	79.67	114.76	-4,237.34	1,797.92	5,280.77	5,159.19	121.58	43.435		
5,400.00	4,722.44	4,701.56	4,698.44	47.82	81.13	115.25	-4,237.34	1,797.92	5,310.38	5,186.43	123.95	42.843		
5,500.00	4,803.08	4,779.08	4,779.08	49.04	82.49	115.74	-4,237.34	1,797.92	5,340.48	5,214.28	126.20	42.317		
5,600.00	4,883.72	4,859.72	4,859.72	50.27	83.89	116.22	-4,237.34	1,797.92	5,371.06	5,242.57	128.50	41.799		
5,700.00	4,964.36	4,940.36	4,940.36	51.49	85.30	116.70	-4,237.34	1,797.92	5,402.12	5,271.34	130.78	41.306		
5,800.00	5,045.00	5,021.00	5,021.00	52.71	86.71	117.17	-4,237.34	1,797.92	5,433.65	5,300.59	133.06	40.836		
5,900.00	5,125.64	5,101.64	5,101.64	53.94	88.12	117.64	-4,237.34	1,797.92	5,465.63	5,330.30	135.33	40.389		
6,000.00	5,206.28	5,182.28	5,182.28	55.17	89.52	118.11	-4,237.34	1,797.92	5,498.06	5,360.48	137.58	39.962		
6,100.00	5,286.92	5,262.92	5,262.92	56.39	90.93	118.57	-4,237.34	1,797.92	5,530.93	5,391.11	139.83	39.555		
6,200.00	5,367.56	5,343.56	5,343.56	57.62	92.34	119.02	-4,237.34	1,797.92	5,564.24	5,422.18	142.06	39.167		
6,300.00	5,448.20	5,424.20	5,424.20	58.84	93.75	119.48	-4,237.34	1,797.92	5,597.98	5,453.69	144.29	38.797		
6,400.00	5,528.84	5,450.00	5,450.00	60.07	94.20	119.62	-4,237.34	1,797.92	5,632.40	5,486.90	145.50	38.710		
6,500.00	5,609.47	5,450.00	5,450.00	61.30	94.20	119.62	-4,237.34	1,797.92	5,668.32	5,522.11	146.21	38.769		
6,600.00	5,690.11	5,450.00	5,450.00	62.53	94.20	119.62	-4,237.34	1,797.92	5,705.76	5,558.89	146.87	38.848		
6,700.00	5,770.75	5,450.00	5,450.00	63.75	94.20	119.62	-4,237.34	1,797.92	5,744.70	5,597.20	147.50	38.947		
6,800.00	5,851.39	5,450.00	5,450.00	64.98	94.20	119.62	-4,237.34	1,797.92	5,785.11	5,637.02	148.09	39.065		
6,900.00	5,932.03	5,450.00	5,450.00	66.21	94.20	119.62	-4,237.34	1,797.92	5,826.95	5,678.31	148.64	39.201		
7,000.00	6,012.67	5,450.00	5,450.00	67.44	94.20	119.62	-4,237.34	1,797.92	5,870.20	5,721.05	149.16	39.356		
7,100.00	6,093.31	5,450.00	5,450.00	68.66	94.20	119.62	-4,237.34	1,797.92	5,914.83	5,765.19	149.64	39.527		
7,200.00	6,173.95	5,450.00	5,450.00	69.89	94.20	119.62	-4,237.34	1,797.92	5,960.79	5,810.71	150.09	39.716		
7,300.00	6,254.59	5,450.00	5,450.00	71.12	94.20	119.62	-4,237.34	1,797.92	6,008.08	5,857.57	150.50	39.920		
7,400.00	6,335.23	5,450.00	5,450.00	72.35	94.20	119.62	-4,237.34	1,797.92	6,056.64	5,905.75	150.89	40.140		
7,500.00	6,415.87	5,450.00	5,450.00	73.58	94.20	119.62	-4,237.34	1,797.92	6,106.45	5,955.21	151.24	40.375		
7,600.00	6,496.51	5,450.00	5,450.00	74.81	94.20	119.62	-4,237.34	1,797.92	6,157.49	6,005.92	151.57	40.625		
7,700.00	6,577.15	5,450.00	5,450.00	76.04	94.20	119.62	-4,237.34	1,797.92	6,209.71	6,057.85	151.87	40.889		
7,800.00	6,657.79	5,450.00	5,450.00	77.27	94.20	119.62	-4,237.34	1,797.92	6,263.10	6,110.96	152.14	41.167		
7,900.00	6,738.43	5,450.00	5,450.00	78.50	94.20	119.62	-4,237.34	1,797.92	6,317.62	6,165.24	152.39	41.458		
8,000.00	6,819.07	5,450.00	5,450.00	79.73	94.20	119.62	-4,237.34	1,797.92	6,373.24	6,220.63	152.61	41.762		
8,100.00	6,899.71	5,450.00	5,450.00	80.96	94.20	119.62	-4,237.34	1,797.92	6,429.94	6,277.13	152.81	42.079		
8,200.00	6,980.35	5,450.00	5,450.00	82.18	94.20	119.62	-4,237.34	1,797.92	6,487.68	6,334.70	152.99	42.407		
8,240.58	7,013.07	5,450.00	5,450.00	82.68	94.20	119.62	-4,237.34	1,797.92	6,511.41	6,358.35	153.05	42.544		
8,250.00	7,020.68	5,450.00	5,450.00	82.80	94.20	118.36	-4,237.34	1,797.92	6,516.87	6,363.81	153.07	42.575		
8,300.00	7,061.63	5,450.00	5,450.00	83.40	94.20	111.29	-4,237.34	1,797.92	6,543.91	6,390.77	153.15	42.730		
8,350.00	7,103.23	5,450.00	5,450.00	83.97	94.20	103.70	-4,237.34	1,797.92	6,567.50	6,414.27	153.23	42.861		
8,400.00	7,145.18	5,450.00	5,450.00	84.51	94.20	95.82	-4,237.34	1,797.92	6,587.48	6,434.17	153.31	42.969		
8,450.00	7,187.16	5,450.00	5,450.00	85.01	94.20	87.96	-4,237.34	1,797.92	6,603.75	6,450.37	153.38	43.056		
8,500.00	7,228.84	5,450.00	5,450.00	85.46	94.20	80.44	-4,237.34	1,797.92	6,616.20	6,462.76	153.44	43.120		
8,550.00	7,269.91	5,450.00	5,450.00	85.86	94.20	73.52	-4,237.34	1,797.92	6,624.76	6,471.28	153.48	43.163		
8,600.00	7,310.05	5,450.00	5,450.00	86.20	94.20	67.34	-4,237.34	1,797.92	6,629.39	6,475.88	153.51	43.185		
8,650.00	7,348.97	5,450.00	5,450.00	86.50	94.20	61.98	-4,237.34	1,797.92	6,630.06	6,476.54	153.52	43.187		
8,700.00	7,386.36	5,450.00	5,450.00	86.74	94.20	57.40	-4,237.34	1,797.92	6,626.75	6,473.24	153.51	43.169		
8,750.00	7,421.94	5,450.00	5,450.00	86.93	94.20	53.55	-4,237.34	1,797.92	6,619.50	6,466.03	153.47	43.131		
8,800.00	7,455.44	5,450.00	5,450.00	87.07	94.20	50.35	-4,237.34	1,797.92	6,608.34	6,454.92	153.42	43.073		
8,850.00	7,486.61	5,450.00	5,450.00	87.16	94.20	47.72	-4,237.34	1,797.92	6,593.34	6,439.99	153.35	42.996		
8,900.00	7,515.20	5,450.00	5,450.00	87.20	94.20	45.60	-4,237.34	1,797.92	6,574.59	6,421.33	153.26	42.898		
8,950.00	7,541.00	5,450.00	5,450.00	87.21	94.20	43.92	-4,237.34	1,797.92	6,552.20	6,399.05	153.15	42.782		
9,000.00	7,563.81	5,450.00	5,450.00	87.17	94.20	42.66	-4,237.34	1,797.92	6,526.30	6,373.27	153.03	42.646		
9,050.00	7,583.47	5,450.00	5,450.00	87.10	94.20	41.78	-4,237.34	1,797.92	6,497.05	6,344.15	152.91	42.491		
9,100.00	7,599.81	5,450.00	5,450.00	87.00	94.20	41.27	-4,237.34	1,797.92	6,464.63	6,311.86	152.77	42.316		
9,150.00	7,612.72	5,450.00	5,450.00	86.88	94.20	41.13	-4,237.34	1,797.92	6,429.23	6,276.60	152.63	42.123		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT ALAUX 2 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INCL-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,622.09	5,450.00	5,450.00	86.72	94.20	41.40	-4,237.34	1,797.92	6,391.09	6,238.60	152.49	41.911		
9,250.00	7,627.87	5,450.00	5,450.00	86.55	94.20	42.14	-4,237.34	1,797.92	6,350.44	6,198.08	152.36	41.681		
9,303.98	7,630.00	5,450.00	5,450.00	86.35	94.20	43.60	-4,237.34	1,797.92	6,304.05	6,151.83	152.22	41.413		
9,400.00	7,630.00	5,450.00	5,450.00	85.99	94.20	43.60	-4,237.34	1,797.92	6,219.58	6,067.59	151.99	40.920		
9,500.00	7,630.00	5,450.00	5,450.00	85.62	94.20	43.60	-4,237.34	1,797.92	6,131.97	5,980.22	151.74	40.410		
9,600.00	7,630.00	5,450.00	5,450.00	85.28	94.20	43.60	-4,237.34	1,797.92	6,044.74	5,893.25	151.49	39.903		
9,700.00	7,630.00	5,450.00	5,450.00	84.95	94.20	43.60	-4,237.34	1,797.92	5,957.91	5,806.69	151.22	39.399		
9,800.00	7,630.00	5,450.00	5,450.00	84.64	94.20	43.60	-4,237.34	1,797.92	5,871.51	5,720.56	150.95	38.897		
9,900.00	7,630.00	5,450.00	5,450.00	84.34	94.20	43.60	-4,237.34	1,797.92	5,785.54	5,634.87	150.67	38.399		
10,000.00	7,630.00	5,450.00	5,450.00	84.06	94.20	43.60	-4,237.34	1,797.92	5,700.03	5,549.64	150.38	37.904		
10,100.00	7,630.00	5,450.00	5,450.00	83.80	94.20	43.60	-4,237.34	1,797.92	5,614.99	5,464.91	150.09	37.412		
10,200.00	7,630.00	5,450.00	5,450.00	83.56	94.20	43.60	-4,237.34	1,797.92	5,530.46	5,380.68	149.78	36.924		
10,300.00	7,630.00	5,450.00	5,450.00	83.33	94.20	43.60	-4,237.34	1,797.92	5,446.45	5,296.99	149.47	36.440		
10,400.00	7,630.00	5,450.00	5,450.00	83.12	94.20	43.60	-4,237.34	1,797.92	5,362.99	5,213.85	149.14	35.959		
10,500.00	7,630.00	5,450.00	5,450.00	82.92	94.20	43.60	-4,237.34	1,797.92	5,280.11	5,131.30	148.81	35.482		
10,600.00	7,630.00	5,450.00	5,450.00	82.75	94.20	43.60	-4,237.34	1,797.92	5,197.83	5,049.36	148.47	35.010		
10,700.00	7,630.00	5,450.00	5,450.00	82.59	94.20	43.60	-4,237.34	1,797.92	5,116.18	4,968.06	148.11	34.542		
10,800.00	7,630.00	5,450.00	5,450.00	82.45	94.20	43.60	-4,237.34	1,797.92	5,035.19	4,887.44	147.75	34.079		
10,900.00	7,630.00	5,450.00	5,450.00	82.33	94.20	43.60	-4,237.34	1,797.92	4,954.90	4,807.52	147.38	33.620		
11,000.00	7,630.00	5,450.00	5,450.00	82.22	94.20	43.60	-4,237.34	1,797.92	4,875.33	4,728.34	146.99	33.167		
11,100.00	7,630.00	5,450.00	5,450.00	82.14	94.20	43.60	-4,237.34	1,797.92	4,796.53	4,649.93	146.60	32.719		
11,200.00	7,630.00	5,450.00	5,450.00	82.08	94.20	43.60	-4,237.34	1,797.92	4,718.53	4,572.34	146.19	32.276		
11,300.00	7,630.00	5,450.00	5,450.00	82.04	94.20	43.60	-4,237.34	1,797.92	4,641.38	4,495.60	145.78	31.839		
11,400.00	7,630.00	5,450.00	5,450.00	82.02	94.20	43.60	-4,237.34	1,797.92	4,565.11	4,419.76	145.35	31.408		
11,500.00	7,630.00	5,450.00	5,450.00	82.03	94.20	43.60	-4,237.34	1,797.92	4,489.78	4,344.87	144.91	30.983		
11,600.00	7,630.00	5,450.00	5,450.00	82.06	94.20	43.60	-4,237.34	1,797.92	4,415.42	4,270.96	144.46	30.564		
11,700.00	7,630.00	5,450.00	5,450.00	82.12	94.20	43.60	-4,237.34	1,797.92	4,342.10	4,198.09	144.00	30.152		
11,800.00	7,630.00	5,450.00	5,450.00	82.21	94.20	43.60	-4,237.34	1,797.92	4,269.86	4,126.32	143.54	29.748		
11,900.00	7,630.00	5,450.00	5,450.00	82.33	94.20	43.60	-4,237.34	1,797.92	4,198.75	4,055.70	143.06	29.350		
12,000.00	7,630.00	5,450.00	5,450.00	82.48	94.20	43.60	-4,237.34	1,797.92	4,128.85	3,986.28	142.57	28.960		
12,100.00	7,630.00	5,450.00	5,450.00	82.66	94.20	43.60	-4,237.34	1,797.92	4,060.20	3,918.13	142.07	28.578		
12,200.00	7,630.00	5,450.00	5,450.00	82.88	94.20	43.60	-4,237.34	1,797.92	3,992.88	3,851.31	141.57	28.204		
12,300.00	7,630.00	5,450.00	5,450.00	83.14	94.20	43.60	-4,237.34	1,797.92	3,926.95	3,785.89	141.06	27.838		
12,400.00	7,630.00	5,450.00	5,450.00	83.44	94.20	43.60	-4,237.34	1,797.92	3,862.49	3,721.94	140.55	27.481		
12,500.00	7,630.00	5,450.00	5,450.00	83.79	94.20	43.60	-4,237.34	1,797.92	3,799.56	3,659.53	140.03	27.133		
12,600.00	7,630.00	5,450.00	5,450.00	84.18	94.20	43.60	-4,237.34	1,797.92	3,738.25	3,598.74	139.51	26.795		
12,700.00	7,630.00	5,450.00	5,450.00	84.61	94.20	43.60	-4,237.34	1,797.92	3,678.64	3,539.64	139.00	26.465		
12,800.00	7,630.00	5,450.00	5,450.00	85.10	94.20	43.60	-4,237.34	1,797.92	3,620.81	3,482.32	138.48	26.146		
12,900.00	7,630.00	5,450.00	5,450.00	85.64	94.20	43.60	-4,237.34	1,797.92	3,564.84	3,426.87	137.98	25.837		
13,000.00	7,630.00	5,450.00	5,450.00	86.22	94.20	43.60	-4,237.34	1,797.92	3,510.83	3,373.36	137.48	25.537		
13,100.00	7,630.00	5,450.00	5,450.00	86.86	94.20	43.60	-4,237.34	1,797.92	3,458.87	3,321.88	136.99	25.249		
13,200.00	7,630.00	5,450.00	5,450.00	87.56	94.20	43.60	-4,237.34	1,797.92	3,409.06	3,272.53	136.52	24.970		
13,300.00	7,630.00	5,450.00	5,450.00	88.30	94.20	43.60	-4,237.34	1,797.92	3,361.48	3,225.40	136.08	24.703		
13,400.00	7,630.00	5,450.00	5,450.00	89.10	94.20	43.60	-4,237.34	1,797.92	3,316.23	3,180.58	135.65	24.446		
13,500.00	7,630.00	5,450.00	5,450.00	89.94	94.20	43.60	-4,237.34	1,797.92	3,273.41	3,138.15	135.26	24.201		
13,600.00	7,630.00	5,450.00	5,450.00	90.84	94.20	43.60	-4,237.34	1,797.92	3,233.12	3,098.22	134.90	23.966		
13,700.00	7,630.00	5,450.00	5,450.00	91.78	94.20	43.60	-4,237.34	1,797.92	3,195.46	3,060.87	134.59	23.743		
13,800.00	7,630.00	5,450.00	5,450.00	92.77	94.20	43.60	-4,237.34	1,797.92	3,160.51	3,026.19	134.32	23.530		
13,900.00	7,630.00	5,450.00	5,450.00	93.79	94.20	43.60	-4,237.34	1,797.92	3,128.36	2,994.26	134.10	23.328		
14,000.00	7,630.00	5,450.00	5,450.00	94.86	94.20	43.60	-4,237.34	1,797.92	3,099.11	2,965.17	133.94	23.138		
14,100.00	7,630.00	5,450.00	5,450.00	95.97	94.20	43.60	-4,237.34	1,797.92	3,072.84	2,939.00	133.84	22.959		
14,200.00	7,630.00	5,450.00	5,450.00	97.11	94.20	43.60	-4,237.34	1,797.92	3,049.63	2,915.81	133.81	22.790		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT ALAUX 2 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,630.00	5,450.00	5,450.00	98.28	94.20	43.60	-4,237.34	1,797.92	3,029.53	2,895.68	133.85	22.633		
14,400.00	7,630.00	5,450.00	5,450.00	99.48	94.20	43.60	-4,237.34	1,797.92	3,012.63	2,878.66	133.97	22.487		
14,500.00	7,630.00	5,450.00	5,450.00	100.72	94.20	43.60	-4,237.34	1,797.92	2,998.96	2,864.80	134.17	22.353		
14,600.00	7,630.00	5,450.00	5,450.00	101.97	94.20	43.60	-4,237.34	1,797.92	2,988.58	2,854.14	134.44	22.230		
14,700.00	7,630.00	5,450.00	5,450.00	103.26	94.20	43.60	-4,237.34	1,797.92	2,981.53	2,846.73	134.80	22.119		
14,800.00	7,630.00	5,450.00	5,450.00	104.56	94.20	43.60	-4,237.34	1,797.92	2,977.81	2,842.58	135.23	22.020		
14,860.72	7,630.00	5,450.00	5,450.00	105.37	94.20	43.60	-4,237.34	1,797.92	2,977.19	2,841.66	135.53	21.966	CC, ES	
14,900.00	7,630.00	5,450.00	5,450.00	105.89	94.20	43.60	-4,237.34	1,797.92	2,977.45	2,841.71	135.74	21.934		
15,000.00	7,630.00	5,450.00	5,450.00	107.24	94.20	43.60	-4,237.34	1,797.92	2,980.45	2,844.11	136.33	21.862		
15,100.00	7,630.00	5,450.00	5,450.00	108.60	94.20	43.60	-4,237.34	1,797.92	2,986.79	2,849.80	136.99	21.803		
15,200.00	7,630.00	5,450.00	5,450.00	109.98	94.20	43.60	-4,237.34	1,797.92	2,996.46	2,858.75	137.71	21.759		
15,300.00	7,630.00	5,450.00	5,450.00	111.38	94.20	43.60	-4,237.34	1,797.92	3,009.42	2,870.93	138.49	21.730		
15,400.00	7,630.00	5,450.00	5,450.00	112.79	94.20	43.60	-4,237.34	1,797.92	3,025.64	2,886.32	139.32	21.717	SF	
15,500.00	7,630.00	5,450.00	5,450.00	114.22	94.20	43.60	-4,237.34	1,797.92	3,045.05	2,904.86	140.19	21.720		
15,600.00	7,630.00	5,450.00	5,450.00	115.66	94.20	43.60	-4,237.34	1,797.92	3,067.60	2,926.50	141.10	21.740		
15,700.00	7,630.00	5,450.00	5,450.00	117.11	94.20	43.60	-4,237.34	1,797.92	3,093.23	2,951.19	142.04	21.778		
15,800.00	7,630.00	5,450.00	5,450.00	118.57	94.20	43.60	-4,237.34	1,797.92	3,121.84	2,978.85	142.99	21.832		
15,900.00	7,630.00	5,450.00	5,450.00	120.05	94.20	43.60	-4,237.34	1,797.92	3,153.37	3,009.41	143.96	21.905		
16,000.00	7,630.00	5,450.00	5,450.00	121.53	94.20	43.60	-4,237.34	1,797.92	3,187.73	3,042.80	144.93	21.995		
16,100.00	7,630.00	5,450.00	5,450.00	123.03	94.20	43.60	-4,237.34	1,797.92	3,224.82	3,078.92	145.90	22.103		
16,200.00	7,630.00	5,450.00	5,450.00	124.53	94.20	43.60	-4,237.34	1,797.92	3,264.56	3,117.69	146.86	22.229		
16,300.00	7,630.00	5,450.00	5,450.00	126.04	94.20	43.60	-4,237.34	1,797.92	3,306.84	3,159.03	147.81	22.372		
16,400.00	7,630.00	5,450.00	5,450.00	127.56	94.20	43.60	-4,237.34	1,797.92	3,351.57	3,202.83	148.74	22.533		
16,500.00	7,630.00	5,450.00	5,450.00	129.09	94.20	43.60	-4,237.34	1,797.92	3,398.66	3,249.01	149.65	22.710		
16,600.00	7,630.00	5,450.00	5,450.00	130.62	94.20	43.60	-4,237.34	1,797.92	3,448.01	3,297.47	150.54	22.904		
16,700.00	7,630.00	5,450.00	5,450.00	132.16	94.20	43.60	-4,237.34	1,797.92	3,499.51	3,348.12	151.40	23.114		
16,800.00	7,630.00	5,450.00	5,450.00	133.71	94.20	43.60	-4,237.34	1,797.92	3,553.09	3,400.86	152.23	23.340		
16,900.00	7,630.00	5,450.00	5,450.00	135.27	94.20	43.60	-4,237.34	1,797.92	3,608.64	3,455.61	153.03	23.581		
17,000.00	7,630.00	5,450.00	5,450.00	136.83	94.20	43.60	-4,237.34	1,797.92	3,666.08	3,512.28	153.80	23.836		
17,100.00	7,630.00	5,450.00	5,450.00	138.39	94.20	43.60	-4,237.34	1,797.92	3,725.32	3,570.78	154.54	24.106		
17,200.00	7,630.00	5,450.00	5,450.00	139.97	94.20	43.60	-4,237.34	1,797.92	3,786.28	3,631.03	155.25	24.388		
17,300.00	7,630.00	5,450.00	5,450.00	141.54	94.20	43.60	-4,237.34	1,797.92	3,848.86	3,692.94	155.93	24.684		
17,400.00	7,630.00	5,450.00	5,450.00	143.12	94.20	43.60	-4,237.34	1,797.92	3,913.00	3,756.43	156.57	24.992		
17,500.00	7,630.00	5,450.00	5,450.00	144.71	94.20	43.60	-4,237.34	1,797.92	3,978.62	3,821.44	157.19	25.311		
17,600.00	7,630.00	5,450.00	5,450.00	146.30	94.20	43.60	-4,237.34	1,797.92	4,045.65	3,887.88	157.77	25.642		
17,700.00	7,630.00	5,450.00	5,450.00	147.90	94.20	43.60	-4,237.34	1,797.92	4,114.02	3,955.69	158.33	25.984		
17,800.00	7,630.00	5,450.00	5,450.00	149.50	94.20	43.60	-4,237.34	1,797.92	4,183.66	4,024.80	158.86	26.335		
17,900.00	7,630.00	5,450.00	5,450.00	151.10	94.20	43.60	-4,237.34	1,797.92	4,254.51	4,095.15	159.37	26.697		
18,000.00	7,630.00	5,450.00	5,450.00	152.71	94.20	43.60	-4,237.34	1,797.92	4,326.51	4,166.67	159.84	27.067		
18,100.00	7,630.00	5,450.00	5,450.00	154.32	94.20	43.60	-4,237.34	1,797.92	4,399.61	4,239.31	160.30	27.447		
18,200.00	7,630.00	5,450.00	5,450.00	155.94	94.20	43.60	-4,237.34	1,797.92	4,473.75	4,313.02	160.73	27.834		
18,300.00	7,630.00	5,450.00	5,450.00	157.56	94.20	43.60	-4,237.34	1,797.92	4,548.88	4,387.74	161.14	28.230		
18,400.00	7,630.00	5,450.00	5,450.00	159.18	94.20	43.60	-4,237.34	1,797.92	4,624.95	4,463.42	161.52	28.633		
18,500.00	7,630.00	5,450.00	5,450.00	160.80	94.20	43.60	-4,237.34	1,797.92	4,701.91	4,540.02	161.89	29.044		
18,600.00	7,630.00	5,450.00	5,450.00	162.43	94.20	43.60	-4,237.34	1,797.92	4,779.73	4,617.49	162.24	29.461		
18,700.00	7,630.00	5,450.00	5,450.00	164.06	94.20	43.60	-4,237.34	1,797.92	4,858.37	4,695.79	162.57	29.884		
18,800.00	7,630.00	5,450.00	5,450.00	165.70	94.20	43.60	-4,237.34	1,797.92	4,937.77	4,774.88	162.89	30.314		
18,900.00	7,630.00	5,450.00	5,450.00	167.33	94.20	43.60	-4,237.34	1,797.92	5,017.91	4,854.73	163.18	30.750		
19,000.00	7,630.00	5,450.00	5,450.00	168.97	94.20	43.60	-4,237.34	1,797.92	5,098.75	4,935.29	163.47	31.191		
19,021.79	7,630.00	5,450.00	5,450.00	169.33	94.20	43.60	-4,237.34	1,797.92	5,116.46	4,952.93	163.53	31.288		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT ALAUX F UNIT 1 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 100-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	155.05	-4,568.81	2,125.61	5,039.08					
100.00	100.00	71.99	71.99	0.13	0.12	155.05	-4,569.04	2,125.49	5,039.27	5,039.02	0.25	N/A		
200.00	200.00	167.32	167.32	0.49	0.40	155.06	-4,569.80	2,125.05	5,039.80	5,038.90	0.89	5,633.975		
300.00	300.00	286.92	286.91	0.85	0.83	155.07	-4,570.50	2,124.54	5,040.16	5,038.47	1.68	2,997.492		
400.00	400.00	382.06	382.05	1.21	1.17	155.07	-4,570.70	2,124.42	5,040.29	5,037.91	2.38	2,118.725		
500.00	500.00	483.97	483.96	1.57	1.53	155.07	-4,570.94	2,124.43	5,040.51	5,037.41	3.10	1,625.747		
600.00	600.00	614.97	614.96	1.93	2.00	155.08	-4,571.17	2,123.76	5,040.48	5,036.56	3.92	1,285.001		
700.00	700.00	780.49	780.46	2.29	2.57	155.09	-4,569.78	2,121.80	5,039.10	5,034.25	4.85	1,038.497		
800.00	799.98	874.91	874.87	2.64	2.89	93.36	-4,568.47	2,120.73	5,037.48	5,031.95	5.53	910.534		
900.00	899.84	975.38	975.32	2.99	3.24	93.45	-4,567.15	2,119.77	5,036.19	5,029.95	6.23	807.784		
1,000.00	999.45	1,111.63	1,111.54	3.35	3.72	93.62	-4,564.86	2,118.40	5,034.79	5,027.72	7.07	712.150		
1,100.00	1,098.70	1,180.96	1,180.86	3.73	3.96	93.74	-4,563.69	2,117.66	5,033.56	5,025.87	7.69	654.901		
1,200.00	1,197.47	1,272.48	1,272.36	4.11	4.28	93.92	-4,562.40	2,116.82	5,032.94	5,024.54	8.40	599.383		
1,286.53	1,282.44	1,348.54	1,348.42	4.47	4.55	94.09	-4,561.36	2,116.25	5,032.72	5,023.70	9.02	557.865		
1,300.00	1,295.62	1,359.75	1,359.63	4.53	4.59	94.12	-4,561.22	2,116.15	5,032.73	5,023.61	9.12	552.031		
1,400.00	1,393.06	1,440.96	1,440.83	4.97	4.88	94.32	-4,560.46	2,115.35	5,033.14	5,023.29	9.85	511.237		
1,500.00	1,489.64	1,522.75	1,522.61	5.44	5.17	94.54	-4,559.95	2,114.65	5,034.25	5,023.64	10.61	474.449		
1,600.00	1,585.27	1,613.82	1,613.68	5.95	5.50	94.82	-4,559.53	2,113.94	5,035.98	5,024.53	11.45	439.824		
1,700.00	1,679.82	1,712.42	1,712.27	6.51	5.85	95.14	-4,559.07	2,113.07	5,038.15	5,025.79	12.36	407.567		
1,800.00	1,773.17	1,786.50	1,786.36	7.13	6.11	95.39	-4,558.86	2,112.42	5,041.04	5,027.80	13.24	380.883		
1,900.00	1,865.21	1,875.47	1,875.32	7.79	6.43	95.72	-4,558.87	2,111.60	5,044.77	5,030.56	14.22	354.874		
2,000.00	1,955.84	1,965.63	1,965.47	8.51	6.75	96.07	-4,558.97	2,110.55	5,049.19	5,033.93	15.26	330.926		
2,100.00	2,044.94	2,067.65	2,067.48	9.30	7.12	96.51	-4,558.99	2,109.35	5,054.30	5,037.90	16.40	308.134		
2,200.00	2,132.39	2,159.52	2,159.35	10.15	7.45	96.90	-4,558.81	2,108.06	5,060.00	5,042.43	17.57	287.923		
2,300.00	2,218.11	2,248.55	2,248.37	11.07	7.77	97.30	-4,558.56	2,106.98	5,066.62	5,047.82	18.80	269.513		
2,400.00	2,301.97	2,334.89	2,334.70	12.06	8.07	97.69	-4,558.26	2,105.79	5,074.14	5,054.06	20.08	252.707		
2,500.00	2,383.88	2,414.37	2,414.17	13.11	8.36	98.04	-4,558.02	2,104.71	5,082.77	5,061.37	21.40	237.519		
2,512.74	2,394.17	2,426.06	2,425.86	13.25	8.40	98.09	-4,557.97	2,104.56	5,083.95	5,062.38	21.58	235.614		
2,600.00	2,464.54	2,506.25	2,506.05	14.22	8.69	98.63	-4,557.54	2,103.68	5,092.29	5,069.48	22.81	223.251		
2,700.00	2,545.18	2,592.01	2,591.80	15.35	9.00	99.20	-4,556.92	2,102.80	5,102.35	5,078.14	24.21	210.736		
2,800.00	2,625.82	2,700.77	2,700.55	16.50	9.38	99.92	-4,555.84	2,101.46	5,112.84	5,087.13	25.71	198.893		
2,900.00	2,706.45	2,768.19	2,767.95	17.65	9.63	100.37	-4,555.11	2,100.45	5,123.87	5,096.81	27.06	189.363		
3,000.00	2,787.09	2,839.84	2,839.59	18.82	9.88	100.85	-4,554.53	2,099.25	5,135.74	5,107.31	28.43	180.651		
3,100.00	2,867.73	2,914.42	2,914.15	19.99	10.15	101.35	-4,554.12	2,097.62	5,148.38	5,118.57	29.81	172.697		
3,200.00	2,948.37	2,987.96	2,987.67	21.17	10.41	101.84	-4,553.82	2,095.90	5,161.79	5,130.60	31.19	165.494		
3,300.00	3,029.01	3,058.45	3,058.15	22.36	10.67	102.31	-4,553.63	2,094.29	5,175.99	5,143.43	32.56	158.990		
3,400.00	3,109.65	3,139.67	3,139.35	23.55	10.96	102.85	-4,553.51	2,092.50	5,190.97	5,157.01	33.96	152.869		
3,500.00	3,190.29	3,227.99	3,227.64	24.74	11.28	103.44	-4,553.21	2,090.48	5,206.43	5,171.05	35.38	147.153		
3,600.00	3,270.93	3,301.37	3,301.01	25.94	11.54	103.92	-4,552.93	2,089.00	5,222.58	5,185.83	36.75	142.130		
3,700.00	3,351.57	3,377.02	3,376.64	27.14	11.81	104.41	-4,552.72	2,087.50	5,239.45	5,201.33	38.11	137.475		
3,800.00	3,432.21	3,447.63	3,447.23	28.35	12.07	104.88	-4,552.61	2,085.98	5,257.05	5,217.59	39.45	133.246		
3,900.00	3,512.85	3,520.12	3,519.71	29.56	12.33	105.35	-4,552.64	2,084.54	5,275.44	5,234.64	40.80	129.315		
4,000.00	3,593.49	3,605.54	3,605.12	30.76	12.63	105.90	-4,552.62	2,082.98	5,294.45	5,252.27	42.18	125.525		
4,100.00	3,674.13	3,678.27	3,677.83	31.97	12.89	106.36	-4,552.63	2,081.64	5,314.09	5,270.58	43.51	122.145		
4,200.00	3,754.77	3,764.12	3,763.67	33.19	13.20	106.91	-4,552.68	2,079.94	5,334.37	5,289.49	44.88	118.870		
4,300.00	3,835.41	3,846.29	3,845.82	34.40	13.50	107.44	-4,552.60	2,078.32	5,355.14	5,308.92	46.22	115.854		
4,400.00	3,916.05	3,922.09	3,921.61	35.62	13.77	107.92	-4,552.55	2,076.92	5,376.54	5,329.01	47.54	113.100		
4,500.00	3,996.69	3,996.54	3,996.05	36.83	14.04	108.38	-4,552.56	2,075.60	5,398.61	5,349.77	48.84	110.540		
4,600.00	4,077.33	4,104.03	4,103.52	38.05	14.42	109.05	-4,552.35	2,073.83	5,421.10	5,370.84	50.26	107.866		
4,700.00	4,157.96	4,207.35	4,206.83	39.27	14.79	109.69	-4,551.61	2,072.63	5,443.78	5,392.13	51.65	105.396		
4,800.00	4,238.60	4,307.85	4,307.32	40.49	15.15	110.30	-4,550.44	2,072.14	5,466.70	5,413.68	53.02	103.106		
4,900.00	4,319.24	4,370.16	4,369.63	41.71	15.36	110.67	-4,549.71	2,072.05	5,490.16	5,435.92	54.23	101.231		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT ALAUX F UNIT 1 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 100-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	4,399.88	4,437.51	4,436.97	42.93	15.60	111.07	-4,549.10	2,072.01	5,514.37	5,458.91	55.46	99.434		
5,100.00	4,480.52	4,507.42	4,506.88	44.15	15.84	111.48	-4,548.62	2,071.88	5,539.27	5,482.59	56.68	97.726		
5,200.00	4,561.16	4,585.34	4,584.80	45.37	16.12	111.94	-4,548.18	2,071.48	5,564.79	5,506.86	57.93	96.060		
5,300.00	4,641.80	4,694.57	4,694.02	46.59	16.51	112.59	-4,547.38	2,070.23	5,590.67	5,531.38	59.29	94.290		
5,400.00	4,722.44	4,817.12	4,816.54	47.82	16.95	113.31	-4,545.63	2,068.09	5,616.48	5,555.79	60.69	92.539		
5,500.00	4,803.08	4,907.45	4,906.84	49.04	17.27	113.84	-4,543.94	2,066.45	5,642.47	5,580.51	61.96	91.067		
5,600.00	4,883.72	4,982.03	4,981.39	50.27	17.54	114.28	-4,542.53	2,065.11	5,668.95	5,605.79	63.16	89.761		
5,700.00	4,964.36	5,050.05	5,049.39	51.49	17.78	114.67	-4,541.32	2,063.86	5,696.04	5,631.72	64.32	88.562		
5,800.00	5,045.00	5,116.37	5,115.69	52.71	18.02	115.06	-4,540.32	2,062.56	5,723.82	5,658.36	65.46	87.440		
5,900.00	5,125.64	5,185.42	5,184.71	53.94	18.27	115.45	-4,539.41	2,061.09	5,752.26	5,685.66	66.60	86.365		
6,000.00	5,206.28	5,263.57	5,262.84	55.17	18.55	115.90	-4,538.48	2,059.35	5,781.29	5,713.52	67.77	85.304		
6,100.00	5,286.92	5,353.08	5,352.33	56.39	18.87	116.41	-4,537.36	2,057.40	5,810.76	5,741.78	68.98	84.242		
6,200.00	5,367.56	5,441.55	5,440.76	57.62	19.19	116.91	-4,536.06	2,055.41	5,840.51	5,770.35	70.17	83.238		
6,300.00	5,448.20	5,519.84	5,519.03	58.84	19.47	117.35	-4,534.87	2,053.58	5,870.71	5,799.40	71.31	82.331		
6,400.00	5,528.84	5,592.34	5,591.50	60.07	19.73	117.75	-4,533.86	2,052.14	5,901.43	5,829.02	72.41	81.497		
6,500.00	5,609.47	5,668.20	5,667.35	61.30	20.00	118.17	-4,532.89	2,050.87	5,932.69	5,859.16	73.52	80.691		
6,600.00	5,690.11	5,736.66	5,735.79	62.53	20.25	118.54	-4,532.09	2,049.79	5,964.46	5,889.87	74.59	79.959		
6,700.00	5,770.75	5,800.00	5,799.12	63.75	20.48	118.88	-4,531.54	2,049.03	5,996.87	5,921.24	75.63	79.287		
6,800.00	5,851.39	5,887.10	5,886.21	64.98	20.79	119.34	-4,530.88	2,048.09	6,029.77	5,953.01	76.76	78.549		
6,900.00	5,932.03	6,051.43	6,050.51	66.21	21.38	120.21	-4,528.49	2,045.93	6,062.62	5,984.42	78.20	77.528		
7,000.00	6,012.67	6,142.41	6,141.46	67.44	21.70	120.68	-4,526.23	2,045.18	6,094.90	6,015.57	79.32	76.835		
7,100.00	6,093.31	6,200.00	6,199.03	68.66	21.90	120.98	-4,524.93	2,044.07	6,127.89	6,047.59	80.30	76.310		
7,200.00	6,173.95	6,254.03	6,253.03	69.89	22.10	121.26	-4,523.90	2,042.81	6,161.61	6,080.35	81.26	75.829		
7,300.00	6,254.59	6,300.00	6,298.99	71.12	22.26	121.50	-4,523.18	2,041.87	6,196.01	6,113.84	82.17	75.408		
7,400.00	6,335.23	6,354.30	6,353.26	72.35	22.46	121.78	-4,522.57	2,040.67	6,231.17	6,148.07	83.10	74.984		
7,500.00	6,415.87	6,541.95	6,540.86	73.58	23.13	122.73	-4,519.87	2,037.33	6,266.50	6,181.92	84.58	74.090		
7,600.00	6,496.51	7,600.00	6,654.16	74.81	26.82	123.28	-4,517.29	2,037.27	6,301.21	6,212.17	89.04	70.769		
7,700.00	6,577.15	6,819.16	6,817.93	76.04	24.09	124.06	-4,511.75	2,038.30	6,335.08	6,247.99	87.10	72.736		
7,800.00	6,657.79	6,839.61	6,838.38	77.27	24.16	124.16	-4,511.17	2,038.48	6,369.55	6,281.68	87.87	72.487		
7,900.00	6,738.43	6,872.64	6,871.39	78.50	24.28	124.31	-4,510.36	2,038.77	6,404.95	6,316.27	88.68	72.224		
8,000.00	6,819.07	6,919.64	6,918.38	79.73	24.44	124.53	-4,509.59	2,039.15	6,441.28	6,351.74	89.54	71.939		
8,100.00	6,899.71	7,023.35	7,022.07	80.96	24.80	125.02	-4,507.42	2,038.26	6,477.88	6,387.26	90.62	71.484		
8,200.00	6,980.35	7,101.85	7,100.55	82.18	25.08	125.38	-4,505.82	2,038.17	6,514.74	6,423.14	91.59	71.127		
8,240.58	7,013.07	7,121.19	7,119.88	82.68	25.14	125.47	-4,505.48	2,038.32	6,529.82	6,437.89	91.93	71.028		
8,250.00	7,020.68	7,125.83	7,124.53	82.80	25.16	124.22	-4,505.41	2,038.35	6,533.27	6,441.26	92.01	71.004		
8,300.00	7,061.63	7,150.74	7,149.43	83.40	25.25	117.25	-4,505.03	2,038.46	6,549.29	6,456.85	92.44	70.847		
8,350.00	7,103.23	7,175.90	7,174.59	83.97	25.34	109.78	-4,504.70	2,038.51	6,561.41	6,468.52	92.89	70.639		
8,400.00	7,145.18	7,200.00	7,198.69	84.51	25.42	102.05	-4,504.43	2,038.49	6,569.55	6,476.22	93.33	70.390		
8,450.00	7,187.16	7,232.39	7,231.08	85.01	25.53	94.41	-4,504.11	2,038.35	6,573.63	6,479.82	93.82	70.070		
8,500.00	7,228.84	7,262.99	7,261.67	85.46	25.64	87.16	-4,503.84	2,038.11	6,573.63	6,479.35	94.29	69.719		
8,550.00	7,269.91	7,292.98	7,291.66	85.86	25.75	80.54	-4,503.59	2,037.77	6,569.56	6,474.81	94.75	69.337		
8,600.00	7,310.05	7,344.81	7,343.48	86.20	25.94	74.86	-4,503.14	2,037.06	6,561.39	6,466.10	95.29	68.854		
8,650.00	7,348.97	7,401.85	7,400.51	86.50	26.14	70.09	-4,502.51	2,036.31	6,549.07	6,453.23	95.85	68.327		
8,700.00	7,386.36	7,438.71	7,437.37	86.74	26.27	66.10	-4,502.03	2,035.78	6,532.77	6,436.47	96.30	67.841		
8,750.00	7,421.94	7,474.08	7,472.73	86.93	26.40	62.93	-4,501.54	2,035.17	6,512.65	6,415.93	96.72	67.338		
8,800.00	7,455.44	7,507.13	7,505.77	87.07	26.52	60.54	-4,501.05	2,034.50	6,488.86	6,391.76	97.10	66.824		
8,850.00	7,486.61	7,522.45	7,521.08	87.16	26.57	58.76	-4,500.87	2,034.23	6,461.64	6,364.25	97.39	66.346		
8,900.00	7,515.20	7,539.31	7,537.95	87.20	26.63	57.70	-4,500.70	2,033.97	6,431.17	6,333.50	97.67	65.848		
8,950.00	7,541.00	7,554.67	7,553.31	87.21	26.69	57.34	-4,500.58	2,033.78	6,397.67	6,299.75	97.91	65.340		
9,000.00	7,563.81	7,568.38	7,567.01	87.17	26.74	57.72	-4,500.51	2,033.65	6,361.36	6,263.23	98.13	64.824		
9,050.00	7,583.47	7,580.31	7,578.94	87.10	26.78	58.92	-4,500.47	2,033.56	6,322.50	6,224.18	98.32	64.302		
9,100.00	7,599.81	7,600.00	7,598.63	87.00	26.85	61.26	-4,500.46	2,033.48	6,281.37	6,182.83	98.54	63.747		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 100-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,150.00	7,612.72	7,600.00	7,598.63	86.88	26.85	64.63	-4,500.46	2,033.48	6,238.21	6,139.57	98.64	63.243		
9,200.00	7,622.09	7,616.36	7,614.99	86.72	26.91	70.06	-4,500.46	2,033.43	6,193.37	6,094.56	98.81	62.682		
9,250.00	7,627.87	7,630.13	7,628.76	86.55	26.96	78.02	-4,500.43	2,033.38	6,147.13	6,048.18	98.95	62.124		
9,303.98	7,630.00	7,634.87	7,633.50	86.35	26.97	90.33	-4,500.42	2,033.36	6,096.07	5,997.02	99.05	61.546		
9,400.00	7,630.00	7,634.20	7,632.83	85.99	26.97	90.31	-4,500.42	2,033.36	6,004.48	5,905.30	99.17	60.545		
9,500.00	7,630.00	7,633.54	7,632.17	85.62	26.97	90.29	-4,500.42	2,033.37	5,909.24	5,809.93	99.31	59.504		
9,600.00	7,630.00	7,632.91	7,631.54	85.28	26.97	90.27	-4,500.42	2,033.37	5,814.17	5,714.72	99.45	58.463		
9,700.00	7,630.00	7,632.31	7,630.94	84.95	26.96	90.25	-4,500.43	2,033.37	5,719.26	5,619.66	99.60	57.424		
9,800.00	7,630.00	7,631.74	7,630.37	84.64	26.96	90.23	-4,500.43	2,033.37	5,624.53	5,524.78	99.75	56.385		
9,900.00	7,630.00	7,631.19	7,629.82	84.34	26.96	90.22	-4,500.43	2,033.38	5,529.98	5,430.07	99.91	55.348		
10,000.00	7,630.00	7,630.67	7,629.30	84.06	26.96	90.20	-4,500.43	2,033.38	5,435.63	5,335.55	100.08	54.312		
10,100.00	7,630.00	7,630.17	7,628.80	83.80	26.96	90.18	-4,500.43	2,033.38	5,341.49	5,241.23	100.26	53.277		
10,200.00	7,630.00	7,629.69	7,628.32	83.56	26.95	90.17	-4,500.43	2,033.38	5,247.56	5,147.12	100.44	52.244		
10,300.00	7,630.00	7,629.23	7,627.86	83.33	26.95	90.15	-4,500.43	2,033.38	5,153.86	5,053.23	100.64	51.213		
10,400.00	7,630.00	7,628.79	7,627.42	83.12	26.95	90.14	-4,500.43	2,033.38	5,060.41	4,959.57	100.84	50.183		
10,500.00	7,630.00	7,628.37	7,627.00	82.92	26.95	90.13	-4,500.44	2,033.39	4,967.20	4,866.15	101.05	49.155		
10,600.00	7,630.00	7,627.96	7,626.59	82.75	26.95	90.11	-4,500.44	2,033.39	4,874.27	4,773.00	101.27	48.130		
10,700.00	7,630.00	7,627.57	7,626.20	82.59	26.95	90.10	-4,500.44	2,033.39	4,781.62	4,680.11	101.51	47.107		
10,800.00	7,630.00	7,627.20	7,625.83	82.45	26.95	90.09	-4,500.44	2,033.39	4,689.27	4,587.52	101.75	46.086		
10,900.00	7,630.00	7,626.83	7,625.47	82.33	26.94	90.08	-4,500.44	2,033.39	4,597.25	4,495.24	102.01	45.069		
11,000.00	7,630.00	7,626.49	7,625.12	82.22	26.94	90.07	-4,500.44	2,033.39	4,505.56	4,403.29	102.27	44.054		
11,100.00	7,630.00	7,626.15	7,624.78	82.14	26.94	90.06	-4,500.44	2,033.39	4,414.23	4,311.68	102.55	43.043		
11,200.00	7,630.00	7,625.82	7,624.45	82.08	26.94	90.05	-4,500.44	2,033.40	4,323.29	4,220.44	102.85	42.035		
11,300.00	7,630.00	7,625.51	7,624.14	82.04	26.94	90.04	-4,500.44	2,033.40	4,232.76	4,129.60	103.16	41.031		
11,400.00	7,630.00	7,625.21	7,623.84	82.02	26.94	90.03	-4,500.44	2,033.40	4,142.66	4,039.18	103.49	40.031		
11,500.00	7,630.00	7,624.91	7,623.54	82.03	26.94	90.02	-4,500.44	2,033.40	4,053.03	3,949.20	103.83	39.036		
11,600.00	7,630.00	7,624.63	7,623.26	82.06	26.94	90.01	-4,500.44	2,033.40	3,963.89	3,859.70	104.19	38.046		
11,700.00	7,630.00	7,624.36	7,622.99	82.12	26.94	90.00	-4,500.44	2,033.40	3,875.28	3,770.72	104.56	37.061		
11,800.00	7,630.00	7,624.09	7,622.72	82.21	26.93	89.99	-4,500.44	2,033.40	3,787.24	3,682.28	104.96	36.082		
11,900.00	7,630.00	7,623.83	7,622.46	82.33	26.93	89.98	-4,500.44	2,033.40	3,699.81	3,594.43	105.38	35.109		
12,000.00	7,630.00	7,623.58	7,622.21	82.48	26.93	89.98	-4,500.45	2,033.40	3,613.03	3,507.21	105.82	34.144		
12,100.00	7,630.00	7,623.34	7,621.97	82.66	26.93	89.97	-4,500.45	2,033.40	3,526.95	3,420.67	106.28	33.185		
12,200.00	7,630.00	7,623.11	7,621.74	82.88	26.93	89.96	-4,500.45	2,033.40	3,441.62	3,334.86	106.77	32.235		
12,300.00	7,630.00	7,622.88	7,621.51	83.14	26.93	89.95	-4,500.45	2,033.41	3,357.11	3,249.83	107.28	31.294		
12,400.00	7,630.00	7,622.66	7,621.29	83.44	26.93	89.95	-4,500.45	2,033.41	3,273.46	3,165.65	107.81	30.363		
12,500.00	7,630.00	7,622.44	7,621.07	83.79	26.93	89.94	-4,500.45	2,033.41	3,190.76	3,082.39	108.38	29.442		
12,600.00	7,630.00	7,622.23	7,620.86	84.18	26.93	89.93	-4,500.45	2,033.41	3,109.08	3,000.11	108.97	28.532		
12,700.00	7,630.00	7,622.03	7,620.66	84.61	26.93	89.93	-4,500.45	2,033.41	3,028.49	2,918.90	109.59	27.635		
12,800.00	7,630.00	7,621.83	7,620.46	85.10	26.93	89.92	-4,500.45	2,033.41	2,949.09	2,838.85	110.24	26.752		
12,900.00	7,630.00	7,621.64	7,620.27	85.64	26.93	89.91	-4,500.45	2,033.41	2,870.98	2,760.06	110.92	25.884		
13,000.00	7,630.00	7,621.45	7,620.08	86.22	26.93	89.91	-4,500.45	2,033.41	2,794.26	2,682.64	111.63	25.032		
13,100.00	7,630.00	7,621.27	7,619.90	86.86	26.92	89.90	-4,500.45	2,033.41	2,719.06	2,606.70	112.37	24.198		
13,200.00	7,630.00	7,621.09	7,619.72	87.56	26.92	89.90	-4,500.45	2,033.41	2,645.51	2,532.37	113.14	23.383		
13,300.00	7,630.00	7,620.92	7,619.55	88.30	26.92	89.89	-4,500.45	2,033.41	2,573.73	2,459.79	113.94	22.589		
13,400.00	7,630.00	7,620.75	7,619.38	89.10	26.92	89.89	-4,500.45	2,033.41	2,503.89	2,389.13	114.76	21.818		
13,500.00	7,630.00	7,620.59	7,619.22	89.94	26.92	89.88	-4,500.45	2,033.41	2,436.16	2,320.55	115.61	21.072		
13,600.00	7,630.00	7,620.42	7,619.06	90.84	26.92	89.88	-4,500.45	2,033.41	2,370.71	2,254.23	116.48	20.354		
13,700.00	7,630.00	7,620.27	7,618.90	91.78	26.92	89.87	-4,500.45	2,033.41	2,307.74	2,190.38	117.36	19.664		
13,800.00	7,630.00	7,620.12	7,618.75	92.77	26.92	89.87	-4,500.45	2,033.42	2,247.45	2,129.21	118.24	19.007		
13,900.00	7,630.00	7,619.97	7,618.60	93.79	26.92	89.86	-4,500.45	2,033.42	2,190.08	2,070.95	119.13	18.384		
14,000.00	7,630.00	7,619.82	7,618.45	94.86	26.92	89.86	-4,500.45	2,033.42	2,135.84	2,015.84	120.00	17.798		
14,100.00	7,630.00	7,619.68	7,618.31	95.97	26.92	89.85	-4,500.45	2,033.42	2,085.00	1,964.15	120.85	17.253		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 100-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)						
14,200.00	7,630.00	7,619.54	7,618.17	97.11	26.92	89.85	-4,500.45	2,033.42	2,037.80	1,916.13	121.66	16.750		
14,300.00	7,630.00	7,619.40	7,618.03	98.28	26.92	89.84	-4,500.45	2,033.42	1,994.49	1,872.07	122.42	16.292		
14,400.00	7,630.00	7,619.27	7,617.90	99.48	26.92	89.84	-4,500.45	2,033.42	1,955.35	1,832.24	123.11	15.883		
14,500.00	7,630.00	7,619.14	7,617.77	100.72	26.92	89.84	-4,500.45	2,033.42	1,920.62	1,796.91	123.71	15.525		
14,600.00	7,630.00	7,619.01	7,617.64	101.97	26.92	89.83	-4,500.45	2,033.42	1,890.55	1,766.34	124.21	15.221		
14,700.00	7,630.00	7,618.89	7,617.52	103.26	26.92	89.83	-4,500.45	2,033.42	1,865.36	1,740.78	124.58	14.973		
14,800.00	7,630.00	7,618.77	7,617.40	104.56	26.92	89.82	-4,500.45	2,033.42	1,845.25	1,720.43	124.82	14.783		
14,900.00	7,630.00	7,618.65	7,617.28	105.89	26.92	89.82	-4,500.45	2,033.42	1,830.40	1,705.49	124.91	14.654		
15,000.00	7,630.00	7,618.53	7,617.16	107.24	26.92	89.82	-4,500.45	2,033.42	1,820.92	1,696.08	124.84	14.586		
15,100.00	7,630.00	7,618.42	7,617.05	108.60	26.91	89.81	-4,500.45	2,033.42	1,816.90	1,692.29	124.61	14.580 SF		
15,123.05	7,630.00	7,618.39	7,617.02	108.92	26.91	89.81	-4,500.45	2,033.42	1,816.76	1,692.22	124.54	14.588 CC, ES		
15,200.00	7,630.00	7,618.30	7,616.94	109.98	26.91	89.81	-4,500.45	2,033.42	1,818.38	1,694.16	124.23	14.638		
15,300.00	7,630.00	7,618.20	7,616.83	111.38	26.91	89.81	-4,500.45	2,033.42	1,825.35	1,701.67	123.68	14.758		
15,400.00	7,630.00	7,618.09	7,616.72	112.79	26.91	89.80	-4,500.45	2,033.42	1,837.74	1,714.74	123.00	14.941		
15,500.00	7,630.00	7,617.98	7,616.61	114.22	26.91	89.80	-4,500.45	2,033.42	1,855.45	1,733.26	122.19	15.185		
15,600.00	7,630.00	7,617.88	7,616.51	115.66	26.91	89.80	-4,500.45	2,033.42	1,878.32	1,757.05	121.27	15.489		
15,700.00	7,630.00	7,617.78	7,616.41	117.11	26.91	89.79	-4,500.45	2,033.42	1,906.17	1,785.91	120.25	15.851		
15,800.00	7,630.00	7,617.68	7,616.31	118.57	26.91	89.79	-4,500.45	2,033.42	1,938.78	1,819.61	119.17	16.269		
15,900.00	7,630.00	7,617.58	7,616.21	120.05	26.91	89.79	-4,500.45	2,033.42	1,975.92	1,857.88	118.04	16.739		
16,000.00	7,630.00	7,617.49	7,616.12	121.53	26.91	89.78	-4,500.45	2,033.42	2,017.34	1,900.46	116.88	17.260		
16,100.00	7,630.00	7,617.39	7,616.02	123.03	26.91	89.78	-4,500.45	2,033.42	2,062.77	1,947.07	115.71	17.828		
16,200.00	7,630.00	7,617.30	7,615.93	124.53	26.91	89.78	-4,500.45	2,033.42	2,111.97	1,997.44	114.54	18.439		
16,300.00	7,630.00	7,617.21	7,615.84	126.04	26.91	89.77	-4,500.45	2,033.42	2,164.68	2,051.29	113.38	19.092		
16,400.00	7,630.00	7,617.12	7,615.75	127.56	26.91	89.77	-4,500.45	2,033.42	2,220.63	2,108.38	112.26	19.782		
16,500.00	7,630.00	7,617.04	7,615.67	129.09	26.91	89.77	-4,500.45	2,033.43	2,279.61	2,168.44	111.16	20.507		
16,600.00	7,630.00	7,616.95	7,615.58	130.62	26.91	89.77	-4,500.45	2,033.43	2,341.37	2,231.25	110.11	21.263		
16,700.00	7,630.00	7,616.87	7,615.50	132.16	26.91	89.76	-4,500.45	2,033.43	2,405.70	2,296.59	109.11	22.048		
16,800.00	7,630.00	7,616.78	7,615.41	133.71	26.91	89.76	-4,500.45	2,033.43	2,472.40	2,364.25	108.16	22.859		
16,900.00	7,630.00	7,616.70	7,615.33	135.27	26.91	89.76	-4,500.45	2,033.43	2,541.29	2,434.04	107.25	23.694		
17,000.00	7,630.00	7,616.62	7,615.25	136.83	26.91	89.76	-4,500.46	2,033.43	2,612.19	2,505.79	106.40	24.550		
17,100.00	7,630.00	7,616.55	7,615.18	138.39	26.91	89.75	-4,500.46	2,033.43	2,684.95	2,579.35	105.60	25.425		
17,200.00	7,630.00	7,616.47	7,615.10	139.97	26.91	89.75	-4,500.46	2,033.43	2,759.41	2,654.56	104.85	26.317		
17,300.00	7,630.00	7,616.39	7,615.02	141.54	26.91	89.75	-4,500.46	2,033.43	2,835.44	2,731.29	104.15	27.224		
17,400.00	7,630.00	7,616.32	7,614.95	143.12	26.91	89.75	-4,500.46	2,033.43	2,912.92	2,809.43	103.50	28.145		
17,500.00	7,630.00	7,616.25	7,614.88	144.71	26.91	89.74	-4,500.46	2,033.43	2,991.74	2,888.86	102.88	29.079		
17,600.00	7,630.00	7,616.17	7,614.80	146.30	26.91	89.74	-4,500.46	2,033.43	3,071.79	2,969.47	102.32	30.023		
17,700.00	7,630.00	7,616.10	7,614.73	147.90	26.91	89.74	-4,500.46	2,033.43	3,152.98	3,051.19	101.79	30.976		
17,800.00	7,630.00	7,616.03	7,614.66	149.50	26.91	89.74	-4,500.46	2,033.43	3,235.22	3,133.93	101.30	31.938		
17,900.00	7,630.00	7,615.97	7,614.60	151.10	26.91	89.73	-4,500.46	2,033.43	3,318.44	3,217.60	100.84	32.908		
18,000.00	7,630.00	7,615.90	7,614.53	152.71	26.91	89.73	-4,500.46	2,033.43	3,402.57	3,302.15	100.42	33.884		
18,100.00	7,630.00	7,615.83	7,614.46	154.32	26.91	89.73	-4,500.46	2,033.43	3,487.53	3,387.50	100.02	34.867		
18,200.00	7,630.00	18,200.00	7,579.97	155.94	64.59	88.64	-4,500.59	2,033.70	3,573.27	3,435.95	137.31	26.023		
18,300.00	7,630.00	18,300.00	7,579.27	157.56	64.94	88.62	-4,500.59	2,033.70	3,659.73	3,522.39	137.34	26.647		
18,400.00	7,630.00	18,400.00	7,578.57	159.18	65.30	88.60	-4,500.60	2,033.71	3,746.86	3,609.47	137.39	27.272		
18,500.00	7,630.00	18,500.00	7,577.87	160.80	65.65	88.58	-4,500.60	2,033.72	3,834.62	3,697.16	137.46	27.896		
18,600.00	7,630.00	18,600.00	7,577.17	162.43	66.01	88.55	-4,500.61	2,033.73	3,922.97	3,785.41	137.56	28.519		
18,700.00	7,630.00	18,700.00	7,576.47	164.06	66.37	88.53	-4,500.61	2,033.74	4,011.86	3,874.19	137.67	29.141		
18,800.00	7,630.00	18,800.00	7,575.77	165.70	66.72	88.51	-4,500.62	2,033.75	4,101.27	3,963.47	137.80	29.762		
18,900.00	7,630.00	7,615.34	7,613.97	167.33	26.90	89.72	-4,500.46	2,033.43	4,191.18	4,093.41	97.77	42.868		
19,000.00	7,630.00	7,615.28	7,613.91	168.97	26.90	89.71	-4,500.46	2,033.43	4,281.51	4,183.94	97.58	43.879		
19,021.79	7,630.00	7,615.27	7,613.90	169.33	26.90	89.71	-4,500.46	2,033.43	4,301.25	4,203.72	97.54	44.100		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT CRANDELL E UNIT 1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INCL-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	17.00	17.00	0.00	0.13	163.54	-7,180.03	2,121.63	7,486.93					
100.00	100.00	117.00	117.00	0.13	1.07	163.54	-7,180.03	2,121.63	7,486.93	7,485.72	1.21	6,198.790		
200.00	200.00	217.00	217.00	0.49	2.82	163.54	-7,180.03	2,121.63	7,486.93	7,483.62	3.31	2,260.816		
300.00	300.00	317.00	317.00	0.85	4.56	163.54	-7,180.03	2,121.63	7,486.93	7,481.52	5.42	1,382.524		
400.00	400.00	417.00	417.00	1.21	6.31	163.54	-7,180.03	2,121.63	7,486.93	7,479.41	7.52	995.708		
500.00	500.00	517.00	517.00	1.57	8.05	163.54	-7,180.03	2,121.63	7,486.93	7,477.31	9.62	778.024		
600.00	600.00	617.00	617.00	1.93	9.80	163.54	-7,180.03	2,121.63	7,486.93	7,475.21	11.73	638.446		
700.00	700.00	717.00	717.00	2.29	11.55	163.54	-7,180.03	2,121.63	7,486.93	7,473.10	13.83	541.331		
800.00	799.98	816.98	816.98	2.64	13.29	101.76	-7,180.03	2,121.63	7,487.29	7,471.36	15.93	470.012		
900.00	899.84	916.84	916.84	2.99	15.03	101.78	-7,180.03	2,121.63	7,488.36	7,470.33	18.03	415.408		
1,000.00	999.45	1,016.45	1,016.45	3.35	16.77	101.81	-7,180.03	2,121.63	7,490.14	7,470.02	20.13	372.165		
1,100.00	1,098.70	1,115.70	1,115.70	3.73	18.50	101.85	-7,180.03	2,121.63	7,492.66	7,470.43	22.23	337.049		
1,200.00	1,197.47	1,214.47	1,214.47	4.11	20.23	101.90	-7,180.03	2,121.63	7,495.92	7,471.58	24.34	307.937		
1,300.00	1,295.62	1,312.62	1,312.62	4.53	21.94	101.96	-7,180.03	2,121.63	7,499.93	7,473.47	26.47	283.382		
1,400.00	1,393.06	1,410.06	1,410.06	4.97	23.64	102.03	-7,180.03	2,121.63	7,504.73	7,476.12	28.60	262.364		
1,500.00	1,489.64	1,506.64	1,506.64	5.44	25.33	102.11	-7,180.03	2,121.63	7,510.32	7,479.56	30.76	244.151		
1,600.00	1,585.27	1,602.27	1,602.27	5.95	27.00	102.19	-7,180.03	2,121.63	7,516.74	7,483.81	32.94	228.200		
1,700.00	1,679.82	1,703.18	1,696.82	6.51	28.76	102.28	-7,180.03	2,121.63	7,524.02	7,488.77	35.25	213.428		
1,800.00	1,773.17	1,809.83	1,790.17	7.13	30.62	102.37	-7,180.03	2,121.63	7,532.19	7,494.47	37.72	199.713		
1,900.00	1,865.21	1,882.21	1,882.21	7.79	31.88	102.46	-7,180.03	2,121.63	7,541.28	7,501.65	39.63	190.290		
2,000.00	1,955.84	1,972.84	1,972.84	8.51	33.46	102.55	-7,180.03	2,121.63	7,551.32	7,509.40	41.92	180.141		
2,100.00	2,044.94	2,061.94	2,061.94	9.30	35.02	102.63	-7,180.03	2,121.63	7,562.36	7,518.12	44.24	170.945		
2,200.00	2,132.39	2,149.39	2,149.39	10.15	36.55	102.71	-7,180.03	2,121.63	7,574.43	7,527.84	46.59	162.579		
2,300.00	2,218.11	2,235.11	2,235.11	11.07	38.04	102.78	-7,180.03	2,121.63	7,587.57	7,538.60	48.97	154.941		
2,400.00	2,301.97	2,318.97	2,318.97	12.06	39.50	102.84	-7,180.03	2,121.63	7,601.83	7,550.44	51.38	147.946		
2,500.00	2,383.88	2,400.88	2,400.88	13.11	40.93	102.88	-7,180.03	2,121.63	7,617.23	7,563.41	53.82	141.524		
2,512.74	2,394.17	2,411.17	2,411.17	13.25	41.11	102.89	-7,180.03	2,121.63	7,619.27	7,565.14	54.14	140.745		
2,600.00	2,464.54	2,481.54	2,481.54	14.22	42.34	103.20	-7,180.03	2,121.63	7,633.52	7,577.24	56.29	135.621		
2,700.00	2,545.18	2,562.18	2,562.18	15.35	43.75	103.55	-7,180.03	2,121.63	7,650.24	7,591.48	58.76	130.188		
2,800.00	2,625.82	2,642.82	2,642.82	16.50	45.16	103.90	-7,180.03	2,121.63	7,667.38	7,606.13	61.25	125.181		
2,900.00	2,706.45	2,723.45	2,723.45	17.65	46.56	104.25	-7,180.03	2,121.63	7,684.94	7,621.20	63.74	120.559		
3,000.00	2,787.09	2,804.09	2,804.09	18.82	47.97	104.60	-7,180.03	2,121.63	7,702.91	7,636.67	66.24	116.282		
3,100.00	2,867.73	2,884.73	2,884.73	19.99	49.38	104.95	-7,180.03	2,121.63	7,721.29	7,652.55	68.75	112.318		
3,200.00	2,948.37	2,965.37	2,965.37	21.17	50.79	105.30	-7,180.03	2,121.63	7,740.09	7,668.84	71.25	108.635		
3,300.00	3,029.01	3,046.01	3,046.01	22.36	52.19	105.64	-7,180.03	2,121.63	7,759.28	7,685.53	73.75	105.208		
3,400.00	3,109.65	3,126.65	3,126.65	23.55	53.60	105.99	-7,180.03	2,121.63	7,778.88	7,702.63	76.25	102.012		
3,500.00	3,190.29	3,207.29	3,207.29	24.74	55.01	106.33	-7,180.03	2,121.63	7,798.88	7,720.12	78.76	99.026		
3,600.00	3,270.93	3,287.93	3,287.93	25.94	56.42	106.67	-7,180.03	2,121.63	7,819.27	7,738.02	81.26	96.231		
3,700.00	3,351.57	3,368.57	3,368.57	27.14	57.82	107.02	-7,180.03	2,121.63	7,840.06	7,756.31	83.75	93.611		
3,800.00	3,432.21	3,449.21	3,449.21	28.35	59.23	107.36	-7,180.03	2,121.63	7,861.24	7,774.99	86.25	91.150		
3,900.00	3,512.85	3,529.85	3,529.85	29.56	60.64	107.69	-7,180.03	2,121.63	7,882.80	7,794.06	88.73	88.835		
4,000.00	3,593.49	3,610.49	3,610.49	30.76	62.05	108.03	-7,180.03	2,121.63	7,904.75	7,813.53	91.22	86.655		
4,100.00	3,674.13	3,708.87	3,691.13	31.97	63.76	108.37	-7,180.03	2,121.63	7,927.07	7,833.06	94.01	84.320		
4,200.00	3,754.77	3,771.77	3,771.77	33.19	64.86	108.70	-7,180.03	2,121.63	7,949.78	7,853.60	96.18	82.655		
4,300.00	3,835.41	3,852.41	3,852.41	34.40	66.27	109.04	-7,180.03	2,121.63	7,972.86	7,874.21	98.65	80.818		
4,400.00	3,916.05	3,933.05	3,933.05	35.62	67.68	109.37	-7,180.03	2,121.63	7,996.31	7,895.19	101.12	79.077		
4,500.00	3,996.69	4,013.69	4,013.69	36.83	69.08	109.70	-7,180.03	2,121.63	8,020.12	7,916.54	103.58	77.427		
4,600.00	4,077.33	4,105.67	4,094.33	38.05	70.69	110.03	-7,180.03	2,121.63	8,044.31	7,938.07	106.24	75.720		
4,700.00	4,157.96	4,174.96	4,174.96	39.27	71.90	110.36	-7,180.03	2,121.63	8,068.85	7,960.36	108.49	74.373		
4,800.00	4,238.60	4,255.60	4,255.60	40.49	73.31	110.69	-7,180.03	2,121.63	8,093.75	7,982.81	110.94	72.958		
4,900.00	4,319.24	4,336.24	4,336.24	41.71	74.71	111.01	-7,180.03	2,121.63	8,119.00	8,005.62	113.38	71.610		
5,000.00	4,399.88	4,416.88	4,416.88	42.93	76.12	111.34	-7,180.03	2,121.63	8,144.61	8,028.79	115.81	70.325		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT CRANDELL E UNIT 1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INCL-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,480.52	4,502.48	4,497.52	44.15	77.61	111.66	-7,180.03	2,121.63	8,170.56	8,052.23	118.33	69.050		
5,200.00	4,561.16	4,578.16	4,578.16	45.37	78.94	111.98	-7,180.03	2,121.63	8,196.86	8,076.19	120.67	67.930		
5,300.00	4,641.80	4,658.80	4,658.80	46.59	80.34	112.30	-7,180.03	2,121.63	8,223.50	8,100.41	123.08	66.813		
5,400.00	4,722.44	4,739.44	4,739.44	47.82	81.75	112.62	-7,180.03	2,121.63	8,250.47	8,124.98	125.49	65.744		
5,500.00	4,803.08	4,820.08	4,820.08	49.04	83.16	112.93	-7,180.03	2,121.63	8,277.79	8,149.89	127.90	64.721		
5,600.00	4,883.72	4,900.72	4,900.72	50.27	84.57	113.25	-7,180.03	2,121.63	8,305.43	8,175.13	130.30	63.742		
5,700.00	4,964.36	4,981.36	4,981.36	51.49	85.97	113.56	-7,180.03	2,121.63	8,333.40	8,200.71	132.69	62.803		
5,800.00	5,045.00	5,062.00	5,062.00	52.71	87.38	113.88	-7,180.03	2,121.63	8,361.69	8,226.62	135.08	61.903		
5,900.00	5,125.64	5,142.64	5,142.64	53.94	88.79	114.19	-7,180.03	2,121.63	8,390.31	8,252.85	137.46	61.040		
6,000.00	5,206.28	5,223.28	5,223.28	55.17	90.19	114.50	-7,180.03	2,121.63	8,419.25	8,279.42	139.83	60.210		
6,100.00	5,286.92	5,303.92	5,303.92	56.39	91.60	114.80	-7,180.03	2,121.63	8,448.50	8,306.30	142.20	59.413		
6,200.00	5,367.56	5,384.56	5,384.56	57.62	93.01	115.11	-7,180.03	2,121.63	8,478.06	8,333.50	144.56	58.647		
6,300.00	5,448.20	5,465.20	5,465.20	58.84	94.42	115.42	-7,180.03	2,121.63	8,507.93	8,361.01	146.91	57.911		
6,400.00	5,528.84	5,545.84	5,545.84	60.07	95.82	115.72	-7,180.03	2,121.63	8,538.10	8,388.84	149.26	57.202		
6,500.00	5,609.47	5,626.47	5,626.47	61.30	97.23	116.02	-7,180.03	2,121.63	8,568.58	8,416.97	151.61	56.519		
6,600.00	5,690.11	5,707.11	5,707.11	62.53	98.64	116.32	-7,180.03	2,121.63	8,599.35	8,445.41	153.94	55.861		
6,700.00	5,770.75	5,787.75	5,787.75	63.75	100.05	116.62	-7,180.03	2,121.63	8,630.42	8,474.15	156.27	55.227		
6,800.00	5,851.39	5,868.39	5,868.39	64.98	101.45	116.92	-7,180.03	2,121.63	8,661.79	8,503.19	158.60	54.616		
6,900.00	5,932.03	5,949.03	5,949.03	66.21	102.86	117.21	-7,180.03	2,121.63	8,693.44	8,532.53	160.91	54.026		
7,000.00	6,012.67	6,029.67	6,029.67	67.44	104.27	117.51	-7,180.03	2,121.63	8,725.38	8,562.16	163.22	53.457		
7,100.00	6,093.31	6,110.31	6,110.31	68.66	105.68	117.80	-7,180.03	2,121.63	8,757.60	8,592.07	165.53	52.907		
7,200.00	6,173.95	6,209.05	6,190.95	69.89	107.40	118.09	-7,180.03	2,121.63	8,790.10	8,621.96	168.14	52.278		
7,300.00	6,254.59	6,271.59	6,271.59	71.12	108.49	118.38	-7,180.03	2,121.63	8,822.88	8,652.76	170.12	51.863		
7,400.00	6,335.23	6,352.23	6,352.23	72.35	109.90	118.67	-7,180.03	2,121.63	8,855.93	8,683.52	172.41	51.367		
7,500.00	6,415.87	6,432.87	6,432.87	73.58	111.31	118.95	-7,180.03	2,121.63	8,889.25	8,714.57	174.69	50.887		
7,600.00	6,496.51	6,513.51	6,513.51	74.81	112.71	119.24	-7,180.03	2,121.63	8,922.84	8,745.88	176.96	50.423		
7,700.00	6,577.15	6,605.85	6,594.15	76.04	114.33	119.52	-7,180.03	2,121.63	8,956.69	8,777.26	179.43	49.917		
7,800.00	6,657.79	6,674.79	6,674.79	77.27	115.53	119.80	-7,180.03	2,121.63	8,990.81	8,809.32	181.49	49.539		
7,900.00	6,738.43	6,755.43	6,755.43	78.50	116.94	120.08	-7,180.03	2,121.63	9,025.18	8,841.44	183.74	49.118		
8,000.00	6,819.07	6,836.07	6,836.07	79.73	118.34	120.36	-7,180.03	2,121.63	9,059.81	8,873.82	185.99	48.710		
8,100.00	6,899.71	6,916.71	6,916.71	80.96	119.75	120.64	-7,180.03	2,121.63	9,094.70	8,906.46	188.24	48.315		
8,200.00	6,980.35	7,002.66	6,997.35	82.18	121.25	120.91	-7,180.03	2,121.63	9,129.83	8,939.26	190.57	47.908		
8,240.58	7,013.07	7,030.07	7,030.07	82.68	121.73	121.02	-7,180.03	2,121.63	9,144.15	8,952.77	191.38	47.779		
8,250.00	7,020.68	7,037.68	7,037.68	82.80	121.86	119.81	-7,180.03	2,121.63	9,147.41	8,955.82	191.59	47.744		
8,300.00	7,061.63	7,078.63	7,078.63	83.40	122.58	113.01	-7,180.03	2,121.63	9,162.32	8,969.59	192.73	47.539		
8,350.00	7,103.23	7,120.23	7,120.23	83.97	123.30	105.67	-7,180.03	2,121.63	9,173.11	8,979.21	193.89	47.310		
8,400.00	7,145.18	7,162.18	7,162.18	84.51	124.03	98.05	-7,180.03	2,121.63	9,179.71	8,984.64	195.07	47.059		
8,450.00	7,187.16	7,204.16	7,204.16	85.01	124.77	90.45	-7,180.03	2,121.63	9,182.09	8,985.84	196.25	46.789		
8,500.00	7,228.84	7,245.84	7,245.84	85.46	125.50	83.21	-7,180.03	2,121.63	9,180.23	8,982.81	197.41	46.503		
8,550.00	7,269.91	7,286.91	7,286.91	85.86	126.21	76.59	-7,180.03	2,121.63	9,174.14	8,975.58	198.56	46.204		
8,600.00	7,310.05	7,327.05	7,327.05	86.20	126.91	70.75	-7,180.03	2,121.63	9,163.87	8,964.20	199.67	45.894		
8,650.00	7,348.97	7,365.97	7,365.97	86.50	127.59	65.76	-7,180.03	2,121.63	9,149.51	8,948.76	200.75	45.577		
8,700.00	7,386.36	7,403.36	7,403.36	86.74	128.24	61.61	-7,180.03	2,121.63	9,131.16	8,929.39	201.77	45.254		
8,750.00	7,421.94	7,438.94	7,438.94	86.93	128.87	58.25	-7,180.03	2,121.63	9,108.96	8,906.21	202.75	44.928		
8,800.00	7,455.44	7,472.44	7,472.44	87.07	129.45	55.62	-7,180.03	2,121.63	9,083.07	8,879.41	203.65	44.600		
8,850.00	7,486.61	7,503.61	7,503.61	87.16	129.99	53.69	-7,180.03	2,121.63	9,053.68	8,849.18	204.50	44.273		
8,900.00	7,515.20	7,532.20	7,532.20	87.20	130.49	52.41	-7,180.03	2,121.63	9,021.00	8,815.74	205.26	43.948		
8,950.00	7,541.00	7,558.00	7,558.00	87.21	130.94	51.79	-7,180.03	2,121.63	8,985.29	8,779.33	205.96	43.627		
9,000.00	7,563.81	7,580.81	7,580.81	87.17	131.34	51.87	-7,180.03	2,121.63	8,946.79	8,740.22	206.57	43.311		
9,050.00	7,583.47	7,600.47	7,600.47	87.10	131.68	52.76	-7,180.03	2,121.63	8,905.80	8,698.70	207.10	43.002		
9,100.00	7,599.81	7,616.81	7,616.81	87.00	131.97	54.68	-7,180.03	2,121.63	8,862.61	8,655.06	207.55	42.701		
9,150.00	7,612.72	7,629.72	7,629.72	86.88	132.20	58.02	-7,180.03	2,121.63	8,817.55	8,609.63	207.92	42.409		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT CRANDELL E UNIT 1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INCL-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,622.09	7,639.09	7,639.09	86.72	132.36	63.55	-7,180.03	2,121.63	8,770.93	8,562.73	208.20	42.128		
9,250.00	7,627.87	7,644.87	7,644.87	86.55	132.46	72.76	-7,180.03	2,121.63	8,723.11	8,514.72	208.40	41.858		
9,303.98	7,630.00	7,647.00	7,647.00	86.35	132.50	90.00	-7,180.03	2,121.63	8,670.55	8,462.03	208.52	41.582		
9,400.00	7,630.00	7,647.00	7,647.00	85.99	132.50	90.00	-7,180.03	2,121.63	8,576.46	8,367.80	208.65	41.104		
9,500.00	7,630.00	7,647.00	7,647.00	85.62	132.50	90.00	-7,180.03	2,121.63	8,478.51	8,269.71	208.80	40.607		
9,600.00	7,630.00	7,647.00	7,647.00	85.28	132.50	90.00	-7,180.03	2,121.63	8,380.61	8,171.67	208.94	40.109		
9,700.00	7,630.00	7,647.00	7,647.00	84.95	132.50	90.00	-7,180.03	2,121.63	8,282.77	8,073.67	209.10	39.612		
9,800.00	7,630.00	7,647.00	7,647.00	84.64	132.50	90.00	-7,180.03	2,121.63	8,184.97	7,975.72	209.25	39.115		
9,900.00	7,630.00	7,647.00	7,647.00	84.34	132.50	90.00	-7,180.03	2,121.63	8,087.23	7,877.81	209.42	38.618		
10,000.00	7,630.00	7,647.00	7,647.00	84.06	132.50	90.00	-7,180.03	2,121.63	7,989.55	7,779.96	209.59	38.121		
10,100.00	7,630.00	7,647.00	7,647.00	83.80	132.50	90.00	-7,180.03	2,121.63	7,891.92	7,682.16	209.76	37.624		
10,200.00	7,630.00	7,647.00	7,647.00	83.56	132.50	90.00	-7,180.03	2,121.63	7,794.35	7,584.41	209.94	37.127		
10,300.00	7,630.00	7,647.00	7,647.00	83.33	132.50	90.00	-7,180.03	2,121.63	7,696.85	7,486.73	210.12	36.630		
10,400.00	7,630.00	7,647.00	7,647.00	83.12	132.50	90.00	-7,180.03	2,121.63	7,599.41	7,389.09	210.31	36.134		
10,500.00	7,630.00	7,647.00	7,647.00	82.92	132.50	90.00	-7,180.03	2,121.63	7,502.03	7,291.53	210.51	35.638		
10,600.00	7,630.00	7,647.00	7,647.00	82.75	132.50	90.00	-7,180.03	2,121.63	7,404.73	7,194.02	210.71	35.141		
10,700.00	7,630.00	7,647.00	7,647.00	82.59	132.50	90.00	-7,180.03	2,121.63	7,307.50	7,096.58	210.92	34.646		
10,800.00	7,630.00	7,647.00	7,647.00	82.45	132.50	90.00	-7,180.03	2,121.63	7,210.35	6,999.21	211.14	34.150		
10,900.00	7,630.00	7,647.00	7,647.00	82.33	132.50	90.00	-7,180.03	2,121.63	7,113.27	6,901.91	211.36	33.654		
11,000.00	7,630.00	7,647.00	7,647.00	82.22	132.50	90.00	-7,180.03	2,121.63	7,016.28	6,804.69	211.60	33.159		
11,100.00	7,630.00	7,647.00	7,647.00	82.14	132.50	90.00	-7,180.03	2,121.63	6,919.38	6,707.54	211.83	32.664		
11,200.00	7,630.00	7,647.00	7,647.00	82.08	132.50	90.00	-7,180.03	2,121.63	6,822.56	6,610.47	212.08	32.169		
11,300.00	7,630.00	7,647.00	7,647.00	82.04	132.50	90.00	-7,180.03	2,121.63	6,725.83	6,513.49	212.34	31.675		
11,400.00	7,630.00	7,647.00	7,647.00	82.02	132.50	90.00	-7,180.03	2,121.63	6,629.21	6,416.60	212.61	31.181		
11,500.00	7,630.00	7,647.00	7,647.00	82.03	132.50	90.00	-7,180.03	2,121.63	6,532.68	6,319.80	212.88	30.687		
11,600.00	7,630.00	7,647.00	7,647.00	82.06	132.50	90.00	-7,180.03	2,121.63	6,436.26	6,223.09	213.17	30.194		
11,700.00	7,630.00	7,647.00	7,647.00	82.12	132.50	90.00	-7,180.03	2,121.63	6,339.95	6,126.49	213.46	29.701		
11,800.00	7,630.00	7,647.00	7,647.00	82.21	132.50	90.00	-7,180.03	2,121.63	6,243.76	6,029.99	213.77	29.208		
11,900.00	7,630.00	7,647.00	7,647.00	82.33	132.50	90.00	-7,180.03	2,121.63	6,147.69	5,933.60	214.08	28.716		
12,000.00	7,630.00	7,647.00	7,647.00	82.48	132.50	90.00	-7,180.03	2,121.63	6,051.74	5,837.33	214.41	28.225		
12,100.00	7,630.00	7,647.00	7,647.00	82.66	132.50	90.00	-7,180.03	2,121.63	5,955.93	5,741.18	214.76	27.734		
12,200.00	7,630.00	7,647.00	7,647.00	82.88	132.50	90.00	-7,180.03	2,121.63	5,860.26	5,645.15	215.11	27.243		
12,300.00	7,630.00	7,647.00	7,647.00	83.14	132.50	90.00	-7,180.03	2,121.63	5,764.74	5,549.26	215.48	26.753		
12,400.00	7,630.00	7,647.00	7,647.00	83.44	132.50	90.00	-7,180.03	2,121.63	5,669.37	5,453.51	215.86	26.264		
12,500.00	7,630.00	7,647.00	7,647.00	83.79	132.50	90.00	-7,180.03	2,121.63	5,574.16	5,357.90	216.26	25.775		
12,600.00	7,630.00	7,647.00	7,647.00	84.18	132.50	90.00	-7,180.03	2,121.63	5,479.13	5,262.45	216.67	25.288		
12,700.00	7,630.00	7,647.00	7,647.00	84.61	132.50	90.00	-7,180.03	2,121.63	5,384.27	5,167.17	217.10	24.801		
12,800.00	7,630.00	7,647.00	7,647.00	85.10	132.50	90.00	-7,180.03	2,121.63	5,289.60	5,072.05	217.55	24.314		
12,900.00	7,630.00	7,647.00	7,647.00	85.64	132.50	90.00	-7,180.03	2,121.63	5,195.14	4,977.12	218.02	23.829		
13,000.00	7,630.00	7,647.00	7,647.00	86.22	132.50	90.00	-7,180.03	2,121.63	5,100.88	4,882.38	218.50	23.345		
13,100.00	7,630.00	7,647.00	7,647.00	86.86	132.50	90.00	-7,180.03	2,121.63	5,006.85	4,787.84	219.01	22.862		
13,200.00	7,630.00	7,647.00	7,647.00	87.56	132.50	90.00	-7,180.03	2,121.63	4,913.05	4,693.52	219.53	22.379		
13,300.00	7,630.00	7,647.00	7,647.00	88.30	132.50	90.00	-7,180.03	2,121.63	4,819.50	4,599.42	220.08	21.899		
13,400.00	7,630.00	7,647.00	7,647.00	89.10	132.50	90.00	-7,180.03	2,121.63	4,726.22	4,505.56	220.66	21.419		
13,500.00	7,630.00	7,647.00	7,647.00	89.94	132.50	90.00	-7,180.03	2,121.63	4,633.21	4,411.96	221.26	20.941		
13,600.00	7,630.00	7,647.00	7,647.00	90.84	132.50	90.00	-7,180.03	2,121.63	4,540.51	4,318.63	221.88	20.464		
13,700.00	7,630.00	7,647.00	7,647.00	91.78	132.50	90.00	-7,180.03	2,121.63	4,448.12	4,225.58	222.53	19.988		
13,800.00	7,630.00	7,647.00	7,647.00	92.77	132.50	90.00	-7,180.03	2,121.63	4,356.06	4,132.85	223.22	19.515		
13,900.00	7,630.00	7,647.00	7,647.00	93.79	132.50	90.00	-7,180.03	2,121.63	4,264.37	4,040.43	223.93	19.043		
14,000.00	7,630.00	7,647.00	7,647.00	94.86	132.50	90.00	-7,180.03	2,121.63	4,173.05	3,948.37	224.68	18.573		
14,100.00	7,630.00	7,647.00	7,647.00	95.97	132.50	90.00	-7,180.03	2,121.63	4,082.14	3,856.68	225.46	18.106		
14,200.00	7,630.00	7,647.00	7,647.00	97.11	132.50	90.00	-7,180.03	2,121.63	3,991.67	3,765.39	226.28	17.641		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT CRANDELL E UNIT 1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,630.00	7,647.00	7,647.00	98.28	132.50	90.00	-7,180.03	2,121.63	3,901.66	3,674.53	227.14	17.178		
14,400.00	7,630.00	7,647.00	7,647.00	99.48	132.50	90.00	-7,180.03	2,121.63	3,812.15	3,584.12	228.03	16.717		
14,500.00	7,630.00	7,647.00	7,647.00	100.72	132.50	90.00	-7,180.03	2,121.63	3,723.18	3,494.20	228.98	16.260		
14,600.00	7,630.00	7,647.00	7,647.00	101.97	132.50	90.00	-7,180.03	2,121.63	3,634.77	3,404.81	229.96	15.806		
14,700.00	7,630.00	7,647.00	7,647.00	103.26	132.50	90.00	-7,180.03	2,121.63	3,546.99	3,315.99	231.00	15.355		
14,800.00	7,630.00	7,647.00	7,647.00	104.56	132.50	90.00	-7,180.03	2,121.63	3,459.86	3,227.78	232.08	14.908		
14,900.00	7,630.00	7,647.00	7,647.00	105.89	132.50	90.00	-7,180.03	2,121.63	3,373.45	3,140.23	233.22	14.465		
15,000.00	7,630.00	7,647.00	7,647.00	107.24	132.50	90.00	-7,180.03	2,121.63	3,287.81	3,053.40	234.41	14.026		
15,100.00	7,630.00	7,647.00	7,647.00	108.60	132.50	90.00	-7,180.03	2,121.63	3,203.01	2,967.35	235.66	13.591		
15,200.00	7,630.00	7,647.00	7,647.00	109.98	132.50	90.00	-7,180.03	2,121.63	3,119.10	2,882.13	236.97	13.162		
15,300.00	7,630.00	7,647.00	7,647.00	111.38	132.50	90.00	-7,180.03	2,121.63	3,036.17	2,797.83	238.35	12.738		
15,400.00	7,630.00	7,647.00	7,647.00	112.79	132.50	90.00	-7,180.03	2,121.63	2,954.30	2,714.52	239.78	12.321		
15,500.00	7,630.00	7,647.00	7,647.00	114.22	132.50	90.00	-7,180.03	2,121.63	2,873.57	2,632.29	241.29	11.909		
15,600.00	7,630.00	7,647.00	7,647.00	115.66	132.50	90.00	-7,180.03	2,121.63	2,794.09	2,551.24	242.86	11.505		
15,700.00	7,630.00	7,647.00	7,647.00	117.11	132.50	90.00	-7,180.03	2,121.63	2,715.97	2,471.48	244.49	11.109		
15,800.00	7,630.00	7,647.00	7,647.00	118.57	132.50	90.00	-7,180.03	2,121.63	2,639.32	2,393.13	246.20	10.720		
15,900.00	7,630.00	7,647.00	7,647.00	120.05	132.50	90.00	-7,180.03	2,121.63	2,564.29	2,316.32	247.97	10.341		
16,000.00	7,630.00	7,647.00	7,647.00	121.53	132.50	90.00	-7,180.03	2,121.63	2,491.00	2,241.20	249.80	9.972		
16,100.00	7,630.00	7,647.00	7,647.00	123.03	132.50	90.00	-7,180.03	2,121.63	2,419.64	2,167.94	251.69	9.613		
16,200.00	7,630.00	7,647.00	7,647.00	124.53	132.50	90.00	-7,180.03	2,121.63	2,350.36	2,096.72	253.64	9.267		
16,300.00	7,630.00	7,647.00	7,647.00	126.04	132.50	90.00	-7,180.03	2,121.63	2,283.36	2,027.73	255.62	8.932		
16,400.00	7,630.00	7,647.00	7,647.00	127.56	132.50	90.00	-7,180.03	2,121.63	2,218.84	1,961.20	257.64	8.612		
16,500.00	7,630.00	7,647.00	7,647.00	129.09	132.50	90.00	-7,180.03	2,121.63	2,157.03	1,897.36	259.68	8.307		
16,600.00	7,630.00	7,647.00	7,647.00	130.62	132.50	90.00	-7,180.03	2,121.63	2,098.17	1,836.46	261.71	8.017		
16,700.00	7,630.00	7,647.00	7,647.00	132.16	132.50	90.00	-7,180.03	2,121.63	2,042.52	1,778.80	263.72	7.745		
16,800.00	7,630.00	7,647.00	7,647.00	133.71	132.50	90.00	-7,180.03	2,121.63	1,990.33	1,724.66	265.67	7.492		
16,900.00	7,630.00	7,647.00	7,647.00	135.27	132.50	90.00	-7,180.03	2,121.63	1,941.89	1,674.35	267.54	7.258		
17,000.00	7,630.00	7,647.00	7,647.00	136.83	132.50	90.00	-7,180.03	2,121.63	1,897.49	1,628.21	269.29	7.046		
17,100.00	7,630.00	7,647.00	7,647.00	138.39	132.50	90.00	-7,180.03	2,121.63	1,857.42	1,586.55	270.88	6.857		
17,200.00	7,630.00	7,647.00	7,647.00	139.97	132.50	90.00	-7,180.03	2,121.63	1,821.97	1,549.70	272.26	6.692		
17,300.00	7,630.00	7,647.00	7,647.00	141.54	132.50	90.00	-7,180.03	2,121.63	1,791.40	1,517.99	273.41	6.552		
17,400.00	7,630.00	7,647.00	7,647.00	143.12	132.50	90.00	-7,180.03	2,121.63	1,765.97	1,491.69	274.27	6.439		
17,500.00	7,630.00	7,647.00	7,647.00	144.71	132.50	90.00	-7,180.03	2,121.63	1,745.90	1,471.08	274.82	6.353		
17,600.00	7,630.00	7,647.00	7,647.00	146.30	132.50	90.00	-7,180.03	2,121.63	1,731.39	1,456.37	275.01	6.296		
17,700.00	7,630.00	7,647.00	7,647.00	147.90	132.50	90.00	-7,180.03	2,121.63	1,722.57	1,447.72	274.85	6.267 SF		
17,800.00	7,630.00	7,647.00	7,647.00	149.50	132.50	90.00	-7,180.03	2,121.63	1,719.53	1,445.23	274.30	6.269 ES		
17,802.31	7,630.00	7,647.00	7,647.00	149.54	132.50	90.00	-7,180.03	2,121.63	1,719.53	1,445.25	274.28	6.269 CC		
17,900.00	7,630.00	7,647.00	7,647.00	151.10	132.50	90.00	-7,180.03	2,121.63	1,722.30	1,448.92	273.38	6.300		
18,000.00	7,630.00	7,647.00	7,647.00	152.71	132.50	90.00	-7,180.03	2,121.63	1,730.86	1,458.75	272.10	6.361		
18,100.00	7,630.00	7,647.00	7,647.00	154.32	132.50	90.00	-7,180.03	2,121.63	1,745.11	1,474.61	270.50	6.452		
18,200.00	7,630.00	7,647.00	7,647.00	155.94	132.50	90.00	-7,180.03	2,121.63	1,764.92	1,496.33	268.59	6.571		
18,300.00	7,630.00	7,647.00	7,647.00	157.56	132.50	90.00	-7,180.03	2,121.63	1,790.10	1,523.67	266.43	6.719		
18,400.00	7,630.00	7,647.00	7,647.00	159.18	132.50	90.00	-7,180.03	2,121.63	1,820.44	1,556.37	264.07	6.894		
18,500.00	7,630.00	7,647.00	7,647.00	160.80	132.50	90.00	-7,180.03	2,121.63	1,855.68	1,594.14	261.54	7.095		
18,600.00	7,630.00	7,647.00	7,647.00	162.43	132.50	90.00	-7,180.03	2,121.63	1,895.54	1,636.64	258.91	7.321		
18,700.00	7,630.00	7,647.00	7,647.00	164.06	132.50	90.00	-7,180.03	2,121.63	1,939.75	1,683.54	256.21	7.571		
18,800.00	7,630.00	7,647.00	7,647.00	165.70	132.50	90.00	-7,180.03	2,121.63	1,988.01	1,734.53	253.47	7.843		
18,900.00	7,630.00	7,647.00	7,647.00	167.33	132.50	90.00	-7,180.03	2,121.63	2,040.02	1,789.28	250.75	8.136		
19,000.00	7,630.00	7,647.00	7,647.00	168.97	132.50	90.00	-7,180.03	2,121.63	2,095.53	1,847.47	248.06	8.448		
19,021.79	7,630.00	7,647.00	7,647.00	169.33	132.50	90.00	-7,180.03	2,121.63	2,108.06	1,860.58	247.48	8.518		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT GOLTL 1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-IN-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	140.32	-6,863.26	5,694.31	8,917.99					
100.00	100.00	68.00	68.00	0.13	0.53	140.32	-6,863.26	5,694.31	8,917.93	8,917.26	0.67	N/A		
200.00	200.00	168.00	168.00	0.49	1.97	140.32	-6,863.26	5,694.31	8,917.93	8,915.47	2.47	3,617.644		
300.00	300.00	268.00	268.00	0.85	3.72	140.32	-6,863.26	5,694.31	8,917.93	8,913.36	4.57	1,951.868		
400.00	400.00	368.00	368.00	1.21	5.46	140.32	-6,863.26	5,694.31	8,917.93	8,911.26	6.67	1,336.475		
500.00	500.00	468.00	468.00	1.57	7.21	140.32	-6,863.26	5,694.31	8,917.93	8,909.15	8.78	1,016.112		
600.00	600.00	568.00	568.00	1.93	8.95	140.32	-6,863.26	5,694.31	8,917.93	8,907.05	10.88	819.638		
700.00	700.00	668.00	668.00	2.29	10.70	140.32	-6,863.26	5,694.31	8,917.93	8,904.95	12.98	686.833		
800.00	799.98	767.98	767.98	2.64	12.44	78.55	-6,863.26	5,694.31	8,917.58	8,902.50	15.08	591.225		
900.00	899.84	867.84	867.84	2.99	14.19	78.60	-6,863.26	5,694.31	8,916.55	8,899.37	17.18	519.038		
1,000.00	999.45	967.45	967.45	3.35	15.93	78.69	-6,863.26	5,694.31	8,914.82	8,895.55	19.28	462.456		
1,100.00	1,098.70	1,066.70	1,066.70	3.73	17.66	78.82	-6,863.26	5,694.31	8,912.43	8,891.05	21.38	416.863		
1,200.00	1,197.47	1,165.47	1,165.47	4.11	19.38	78.97	-6,863.26	5,694.31	8,909.38	8,885.89	23.49	379.284		
1,300.00	1,295.62	1,263.62	1,263.62	4.53	21.09	79.16	-6,863.26	5,694.31	8,905.70	8,880.08	25.61	347.725		
1,400.00	1,393.06	1,361.06	1,361.06	4.97	22.79	79.39	-6,863.26	5,694.31	8,901.40	8,873.66	27.75	320.798		
1,500.00	1,489.64	1,457.64	1,457.64	5.44	24.48	79.64	-6,863.26	5,694.31	8,896.53	8,866.63	29.90	297.515		
1,600.00	1,585.27	1,553.27	1,553.27	5.95	26.15	79.92	-6,863.26	5,694.31	8,891.12	8,859.04	32.08	277.150		
1,700.00	1,679.82	1,647.82	1,647.82	6.51	27.80	80.24	-6,863.26	5,694.31	8,885.20	8,850.91	34.28	259.164		
1,800.00	1,773.17	1,741.17	1,741.17	7.13	29.43	80.58	-6,863.26	5,694.31	8,878.81	8,842.29	36.52	243.145		
1,900.00	1,865.21	1,833.21	1,833.21	7.79	31.04	80.94	-6,863.26	5,694.31	8,872.01	8,833.23	38.78	228.775		
2,000.00	1,955.84	1,923.84	1,923.84	8.51	32.62	81.33	-6,863.26	5,694.31	8,864.84	8,823.76	41.08	215.803		
2,100.00	2,044.94	2,012.94	2,012.94	9.30	34.17	81.74	-6,863.26	5,694.31	8,857.36	8,813.95	43.41	204.033		
2,200.00	2,132.39	2,100.39	2,100.39	10.15	35.70	82.16	-6,863.26	5,694.31	8,849.62	8,803.84	45.78	193.303		
2,300.00	2,218.11	2,186.11	2,186.11	11.07	37.19	82.60	-6,863.26	5,694.31	8,841.68	8,793.49	48.19	183.483		
2,400.00	2,301.97	2,269.97	2,269.97	12.06	38.66	83.06	-6,863.26	5,694.31	8,833.61	8,782.97	50.63	174.464		
2,500.00	2,383.88	2,351.88	2,351.88	13.11	40.09	83.53	-6,863.26	5,694.31	8,825.46	8,772.34	53.11	166.158		
2,512.74	2,394.17	2,362.17	2,362.17	13.25	40.27	83.59	-6,863.26	5,694.31	8,824.42	8,770.98	53.43	165.149		
2,600.00	2,464.54	2,432.54	2,432.54	14.22	41.50	83.86	-6,863.26	5,694.31	8,817.44	8,761.81	55.63	158.508		
2,700.00	2,545.18	2,513.18	2,513.18	15.35	42.90	84.16	-6,863.26	5,694.31	8,809.81	8,751.65	58.16	151.470		
2,800.00	2,625.82	2,606.18	2,593.82	16.50	44.53	84.47	-6,863.26	5,694.31	8,802.57	8,741.64	60.93	144.473		
2,900.00	2,706.45	2,674.45	2,674.45	17.65	45.72	84.78	-6,863.26	5,694.31	8,795.72	8,732.44	63.28	139.003		
3,000.00	2,787.09	2,755.09	2,755.09	18.82	47.13	85.09	-6,863.26	5,694.31	8,789.27	8,723.41	65.85	133.468		
3,100.00	2,867.73	2,835.73	2,835.73	19.99	48.53	85.40	-6,863.26	5,694.31	8,783.20	8,714.77	68.44	128.339		
3,200.00	2,948.37	2,916.37	2,916.37	21.17	49.94	85.72	-6,863.26	5,694.31	8,777.54	8,706.51	71.03	123.575		
3,300.00	3,029.01	3,002.99	2,997.01	22.36	51.45	86.03	-6,863.26	5,694.31	8,772.26	8,698.53	73.73	118.973		
3,400.00	3,109.65	3,077.65	3,077.65	23.55	52.76	86.34	-6,863.26	5,694.31	8,767.39	8,691.15	76.23	115.007		
3,500.00	3,190.29	3,158.29	3,158.29	24.74	54.16	86.65	-6,863.26	5,694.31	8,762.91	8,684.06	78.84	111.145		
3,600.00	3,270.93	3,238.93	3,238.93	25.94	55.57	86.96	-6,863.26	5,694.31	8,758.82	8,677.37	81.46	107.529		
3,700.00	3,351.57	3,319.57	3,319.57	27.14	56.98	87.27	-6,863.26	5,694.31	8,755.14	8,671.06	84.07	104.139		
3,800.00	3,432.21	3,400.21	3,400.21	28.35	58.38	87.58	-6,863.26	5,694.31	8,751.85	8,665.16	86.69	100.955		
3,900.00	3,512.85	3,480.85	3,480.85	29.56	59.79	87.90	-6,863.26	5,694.31	8,748.96	8,659.65	89.31	97.960		
4,000.00	3,593.49	3,561.49	3,561.49	30.76	61.20	88.21	-6,863.26	5,694.31	8,746.47	8,654.53	91.93	95.138		
4,100.00	3,674.13	3,642.13	3,642.13	31.97	62.61	88.52	-6,863.26	5,694.31	8,744.38	8,649.82	94.56	92.475		
4,200.00	3,754.77	3,722.77	3,722.77	33.19	64.01	88.83	-6,863.26	5,694.31	8,742.68	8,645.50	97.19	89.959		
4,300.00	3,835.41	3,803.41	3,803.41	34.40	65.42	89.15	-6,863.26	5,694.31	8,741.39	8,641.58	99.81	87.579		
4,400.00	3,916.05	3,884.05	3,884.05	35.62	66.83	89.46	-6,863.26	5,694.31	8,740.50	8,638.06	102.44	85.324		
4,500.00	3,996.69	3,964.69	3,964.69	36.83	68.24	89.77	-6,863.26	5,694.31	8,740.01	8,634.94	105.07	83.186		
4,573.00	4,055.55	4,023.55	4,023.55	37.72	69.26	90.00	-6,863.26	5,694.31	8,739.90	8,632.92	106.98	81.694		
4,600.00	4,077.33	4,045.33	4,045.33	38.05	69.64	90.08	-6,863.26	5,694.31	8,739.92	8,632.22	107.69	81.156		
4,700.00	4,157.96	4,125.96	4,125.96	39.27	71.05	90.40	-6,863.26	5,694.31	8,740.22	8,629.90	110.32	79.226		
4,800.00	4,238.60	4,206.60	4,206.60	40.49	72.46	90.71	-6,863.26	5,694.31	8,740.93	8,627.99	112.95	77.390		
4,900.00	4,319.24	4,287.24	4,287.24	41.71	73.87	91.02	-6,863.26	5,694.31	8,742.04	8,626.47	115.57	75.642		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT GOLTL 1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	4,399.88	4,367.88	4,367.88	42.93	75.27	91.33	-6,863.26	5,694.31	8,743.55	8,625.35	118.20	73.975		
5,100.00	4,480.52	4,448.52	4,448.52	44.15	76.68	91.65	-6,863.26	5,694.31	8,745.46	8,624.64	120.82	72.385		
5,200.00	4,561.16	4,529.16	4,529.16	45.37	78.09	91.96	-6,863.26	5,694.31	8,747.76	8,624.32	123.44	70.866		
5,300.00	4,641.80	4,609.80	4,609.80	46.59	79.50	92.27	-6,863.26	5,694.31	8,750.47	8,624.41	126.06	69.414		
5,400.00	4,722.44	4,709.56	4,690.44	47.82	81.24	92.58	-6,863.26	5,694.31	8,753.57	8,624.56	129.01	67.850		
5,500.00	4,803.08	4,771.08	4,771.08	49.04	82.31	92.90	-6,863.26	5,694.31	8,757.08	8,625.78	131.30	66.697		
5,600.00	4,883.72	4,851.72	4,851.72	50.27	83.72	93.21	-6,863.26	5,694.31	8,760.98	8,627.07	133.91	65.424		
5,700.00	4,964.36	4,932.36	4,932.36	51.49	85.13	93.52	-6,863.26	5,694.31	8,765.28	8,628.75	136.52	64.204		
5,800.00	5,045.00	5,013.00	5,013.00	52.71	86.53	93.83	-6,863.26	5,694.31	8,769.97	8,630.84	139.13	63.033		
5,900.00	5,125.64	5,042.00	5,042.00	53.94	87.04	93.94	-6,863.26	5,694.31	8,775.21	8,634.38	140.83	62.310		
6,000.00	5,206.28	5,042.00	5,042.00	55.17	87.04	93.94	-6,863.26	5,694.31	8,781.54	8,639.54	142.01	61.838		
6,100.00	5,286.92	5,042.00	5,042.00	56.39	87.04	93.94	-6,863.26	5,694.31	8,789.01	8,645.84	143.17	61.389		
6,200.00	5,367.56	5,042.00	5,042.00	57.62	87.04	93.94	-6,863.26	5,694.31	8,797.60	8,653.29	144.32	60.961		
6,300.00	5,448.20	5,042.00	5,042.00	58.84	87.04	93.94	-6,863.26	5,694.31	8,807.32	8,661.88	145.44	60.555		
6,400.00	5,528.84	5,042.00	5,042.00	60.07	87.04	93.94	-6,863.26	5,694.31	8,818.17	8,671.61	146.56	60.169		
6,500.00	5,609.47	5,042.00	5,042.00	61.30	87.04	93.94	-6,863.26	5,694.31	8,830.13	8,682.48	147.65	59.804		
6,600.00	5,690.11	5,042.00	5,042.00	62.53	87.04	93.94	-6,863.26	5,694.31	8,843.21	8,694.48	148.73	59.458		
6,700.00	5,770.75	5,042.00	5,042.00	63.75	87.04	93.94	-6,863.26	5,694.31	8,857.40	8,707.61	149.79	59.131		
6,800.00	5,851.39	5,042.00	5,042.00	64.98	87.04	93.94	-6,863.26	5,694.31	8,872.69	8,721.86	150.84	58.824		
6,900.00	5,932.03	5,042.00	5,042.00	66.21	87.04	93.94	-6,863.26	5,694.31	8,889.09	8,737.22	151.86	58.534		
7,000.00	6,012.67	5,042.00	5,042.00	67.44	87.04	93.94	-6,863.26	5,694.31	8,906.57	8,753.70	152.87	58.263		
7,100.00	6,093.31	5,042.00	5,042.00	68.66	87.04	93.94	-6,863.26	5,694.31	8,925.14	8,771.28	153.86	58.009		
7,200.00	6,173.95	5,042.00	5,042.00	69.89	87.04	93.94	-6,863.26	5,694.31	8,944.79	8,789.96	154.83	57.772		
7,300.00	6,254.59	5,042.00	5,042.00	71.12	87.04	93.94	-6,863.26	5,694.31	8,965.51	8,809.73	155.78	57.551		
7,400.00	6,335.23	5,042.00	5,042.00	72.35	87.04	93.94	-6,863.26	5,694.31	8,987.30	8,830.58	156.72	57.347		
7,500.00	6,415.87	5,042.00	5,042.00	73.58	87.04	93.94	-6,863.26	5,694.31	9,010.15	8,852.51	157.63	57.159		
7,600.00	6,496.51	5,042.00	5,042.00	74.81	87.04	93.94	-6,863.26	5,694.31	9,034.04	8,875.51	158.53	56.987		
7,700.00	6,577.15	5,042.00	5,042.00	76.04	87.04	93.94	-6,863.26	5,694.31	9,058.97	8,899.57	159.41	56.829		
7,800.00	6,657.79	5,042.00	5,042.00	77.27	87.04	93.94	-6,863.26	5,694.31	9,084.94	8,924.67	160.27	56.686		
7,900.00	6,738.43	5,042.00	5,042.00	78.50	87.04	93.94	-6,863.26	5,694.31	9,111.93	8,950.82	161.11	56.558		
8,000.00	6,819.07	5,042.00	5,042.00	79.73	87.04	93.94	-6,863.26	5,694.31	9,139.94	8,978.01	161.93	56.443		
8,100.00	6,899.71	5,042.00	5,042.00	80.96	87.04	93.94	-6,863.26	5,694.31	9,168.95	9,006.21	162.73	56.343		
8,200.00	6,980.35	5,042.00	5,042.00	82.18	87.04	93.94	-6,863.26	5,694.31	9,198.95	9,035.43	163.52	56.256		
8,240.58	7,013.07	5,042.00	5,042.00	82.68	87.04	93.94	-6,863.26	5,694.31	9,211.41	9,047.58	163.83	56.224		
8,250.00	7,020.68	5,042.00	5,042.00	82.80	87.04	92.85	-6,863.26	5,694.31	9,214.26	9,050.35	163.91	56.217		
8,300.00	7,061.63	5,042.00	5,042.00	83.40	87.04	86.55	-6,863.26	5,694.31	9,227.16	9,062.88	164.28	56.167		
8,350.00	7,103.23	5,042.00	5,042.00	83.97	87.04	79.52	-6,863.26	5,694.31	9,236.30	9,071.66	164.64	56.101		
8,400.00	7,145.18	5,042.00	5,042.00	84.51	87.04	72.01	-6,863.26	5,694.31	9,241.62	9,076.65	164.97	56.020		
8,450.00	7,187.16	5,042.00	5,042.00	85.01	87.04	64.35	-6,863.26	5,694.31	9,243.08	9,077.81	165.28	55.925		
8,500.00	7,228.84	5,042.00	5,042.00	85.46	87.04	56.87	-6,863.26	5,694.31	9,240.69	9,075.14	165.55	55.819		
8,550.00	7,269.91	5,042.00	5,042.00	85.86	87.04	49.81	-6,863.26	5,694.31	9,234.44	9,068.66	165.78	55.702		
8,600.00	7,310.05	5,042.00	5,042.00	86.20	87.04	43.35	-6,863.26	5,694.31	9,224.38	9,058.41	165.98	55.576		
8,650.00	7,348.97	5,042.00	5,042.00	86.50	87.04	37.51	-6,863.26	5,694.31	9,210.58	9,044.45	166.13	55.441		
8,700.00	7,386.36	5,042.00	5,042.00	86.74	87.04	32.27	-6,863.26	5,694.31	9,193.13	9,026.88	166.25	55.297		
8,750.00	7,421.94	5,042.00	5,042.00	86.93	87.04	27.54	-6,863.26	5,694.31	9,172.13	9,005.80	166.32	55.146		
8,800.00	7,455.44	5,042.00	5,042.00	87.07	87.04	23.20	-6,863.26	5,694.31	9,147.72	8,981.36	166.36	54.987		
8,850.00	7,486.61	5,042.00	5,042.00	87.16	87.04	19.15	-6,863.26	5,694.31	9,120.07	8,953.70	166.36	54.821		
8,900.00	7,515.20	5,042.00	5,042.00	87.20	87.04	15.24	-6,863.26	5,694.31	9,089.34	8,923.02	166.33	54.648		
8,950.00	7,541.00	5,042.00	5,042.00	87.21	87.04	11.34	-6,863.26	5,694.31	9,055.76	8,889.50	166.26	54.468		
9,000.00	7,563.81	5,042.00	5,042.00	87.17	87.04	7.29	-6,863.26	5,694.31	9,019.54	8,853.37	166.16	54.281		
9,050.00	7,583.47	5,042.00	5,042.00	87.10	87.04	2.89	-6,863.26	5,694.31	8,980.92	8,814.88	166.04	54.088		
9,100.00	7,599.81	5,042.00	5,042.00	87.00	87.04	-2.10	-6,863.26	5,694.31	8,940.18	8,774.28	165.90	53.889		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT GOLTL 1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INCL-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,150.00	7,612.72	5,042.00	5,042.00	86.88	87.04	-7.99	-6,863.26	5,694.31	8,897.59	8,731.85	165.74	53.683		
9,200.00	7,622.09	5,042.00	5,042.00	86.72	87.04	-15.17	-6,863.26	5,694.31	8,853.46	8,687.89	165.57	53.472		
9,250.00	7,627.87	5,042.00	5,042.00	86.55	87.04	-24.07	-6,863.26	5,694.31	8,808.11	8,642.71	165.39	53.256		
9,303.98	7,630.00	5,042.00	5,042.00	86.35	87.04	-35.93	-6,863.26	5,694.31	8,758.14	8,592.95	165.19	53.018		
9,400.00	7,630.00	5,042.00	5,042.00	85.99	87.04	-35.93	-6,863.26	5,694.31	8,668.64	8,503.80	164.83	52.590		
9,500.00	7,630.00	5,042.00	5,042.00	85.62	87.04	-35.93	-6,863.26	5,694.31	8,575.58	8,411.13	164.45	52.147		
9,600.00	7,630.00	5,042.00	5,042.00	85.28	87.04	-35.93	-6,863.26	5,694.31	8,482.68	8,318.62	164.06	51.704		
9,700.00	7,630.00	5,042.00	5,042.00	84.95	87.04	-35.93	-6,863.26	5,694.31	8,389.94	8,226.28	163.67	51.263		
9,800.00	7,630.00	5,042.00	5,042.00	84.64	87.04	-35.93	-6,863.26	5,694.31	8,297.38	8,134.11	163.26	50.822		
9,900.00	7,630.00	5,042.00	5,042.00	84.34	87.04	-35.93	-6,863.26	5,694.31	8,204.98	8,042.13	162.85	50.383		
10,000.00	7,630.00	5,042.00	5,042.00	84.06	87.04	-35.93	-6,863.26	5,694.31	8,112.77	7,950.34	162.43	49.946		
10,100.00	7,630.00	5,042.00	5,042.00	83.80	87.04	-35.93	-6,863.26	5,694.31	8,020.74	7,858.74	162.01	49.509		
10,200.00	7,630.00	5,042.00	5,042.00	83.56	87.04	-35.93	-6,863.26	5,694.31	7,928.91	7,767.34	161.57	49.074		
10,300.00	7,630.00	5,042.00	5,042.00	83.33	87.04	-35.93	-6,863.26	5,694.31	7,837.28	7,676.15	161.13	48.640		
10,400.00	7,630.00	5,042.00	5,042.00	83.12	87.04	-35.93	-6,863.26	5,694.31	7,745.85	7,585.17	160.68	48.208		
10,500.00	7,630.00	5,042.00	5,042.00	82.92	87.04	-35.93	-6,863.26	5,694.31	7,654.64	7,494.42	160.22	47.777		
10,600.00	7,630.00	5,042.00	5,042.00	82.75	87.04	-35.93	-6,863.26	5,694.31	7,563.65	7,403.90	159.75	47.347		
10,700.00	7,630.00	5,042.00	5,042.00	82.59	87.04	-35.93	-6,863.26	5,694.31	7,472.89	7,313.62	159.27	46.919		
10,800.00	7,630.00	5,042.00	5,042.00	82.45	87.04	-35.93	-6,863.26	5,694.31	7,382.37	7,223.58	158.79	46.492		
10,900.00	7,630.00	5,042.00	5,042.00	82.33	87.04	-35.93	-6,863.26	5,694.31	7,292.10	7,133.80	158.29	46.067		
11,000.00	7,630.00	5,042.00	5,042.00	82.22	87.04	-35.93	-6,863.26	5,694.31	7,202.08	7,044.29	157.79	45.643		
11,100.00	7,630.00	5,042.00	5,042.00	82.14	87.04	-35.93	-6,863.26	5,694.31	7,112.33	6,955.05	157.28	45.221		
11,200.00	7,630.00	5,042.00	5,042.00	82.08	87.04	-35.93	-6,863.26	5,694.31	7,022.86	6,866.10	156.76	44.800		
11,300.00	7,630.00	5,042.00	5,042.00	82.04	87.04	-35.93	-6,863.26	5,694.31	6,933.67	6,777.44	156.23	44.381		
11,400.00	7,630.00	5,042.00	5,042.00	82.02	87.04	-35.93	-6,863.26	5,694.31	6,844.79	6,689.10	155.69	43.964		
11,500.00	7,630.00	5,042.00	5,042.00	82.03	87.04	-35.93	-6,863.26	5,694.31	6,756.21	6,601.07	155.14	43.548		
11,600.00	7,630.00	5,042.00	5,042.00	82.06	87.04	-35.93	-6,863.26	5,694.31	6,667.96	6,513.37	154.59	43.133		
11,700.00	7,630.00	5,042.00	5,042.00	82.12	87.04	-35.93	-6,863.26	5,694.31	6,580.05	6,426.02	154.03	42.721		
11,800.00	7,630.00	5,042.00	5,042.00	82.21	87.04	-35.93	-6,863.26	5,694.31	6,492.48	6,339.03	153.45	42.309		
11,900.00	7,630.00	5,042.00	5,042.00	82.33	87.04	-35.93	-6,863.26	5,694.31	6,405.28	6,252.41	152.87	41.900		
12,000.00	7,630.00	5,042.00	5,042.00	82.48	87.04	-35.93	-6,863.26	5,694.31	6,318.46	6,166.17	152.28	41.491		
12,100.00	7,630.00	5,042.00	5,042.00	82.66	87.04	-35.93	-6,863.26	5,694.31	6,232.03	6,080.34	151.69	41.084		
12,200.00	7,630.00	5,042.00	5,042.00	82.88	87.04	-35.93	-6,863.26	5,694.31	6,146.01	5,994.93	151.09	40.679		
12,300.00	7,630.00	5,042.00	5,042.00	83.14	87.04	-35.93	-6,863.26	5,694.31	6,060.43	5,909.95	150.48	40.274		
12,400.00	7,630.00	5,042.00	5,042.00	83.44	87.04	-35.93	-6,863.26	5,694.31	5,975.29	5,825.42	149.86	39.871		
12,500.00	7,630.00	5,042.00	5,042.00	83.79	87.04	-35.93	-6,863.26	5,694.31	5,890.62	5,741.37	149.24	39.470		
12,600.00	7,630.00	5,042.00	5,042.00	84.18	87.04	-35.93	-6,863.26	5,694.31	5,806.43	5,657.81	148.62	39.069		
12,700.00	7,630.00	5,042.00	5,042.00	84.61	87.04	-35.93	-6,863.26	5,694.31	5,722.76	5,574.76	148.00	38.668		
12,800.00	7,630.00	5,042.00	5,042.00	85.10	87.04	-35.93	-6,863.26	5,694.31	5,639.61	5,492.24	147.37	38.269		
12,900.00	7,630.00	5,042.00	5,042.00	85.64	87.04	-35.93	-6,863.26	5,694.31	5,557.02	5,410.28	146.74	37.870		
13,000.00	7,630.00	5,042.00	5,042.00	86.22	87.04	-35.93	-6,863.26	5,694.31	5,475.02	5,328.91	146.11	37.471		
13,100.00	7,630.00	5,042.00	5,042.00	86.86	87.04	-35.93	-6,863.26	5,694.31	5,393.62	5,248.13	145.49	37.073		
13,200.00	7,630.00	5,042.00	5,042.00	87.56	87.04	-35.93	-6,863.26	5,694.31	5,312.85	5,167.99	144.87	36.674		
13,300.00	7,630.00	5,042.00	5,042.00	88.30	87.04	-35.93	-6,863.26	5,694.31	5,232.75	5,088.50	144.25	36.275		
13,400.00	7,630.00	5,042.00	5,042.00	89.10	87.04	-35.93	-6,863.26	5,694.31	5,153.35	5,009.70	143.65	35.875		
13,500.00	7,630.00	5,042.00	5,042.00	89.94	87.04	-35.93	-6,863.26	5,694.31	5,074.67	4,931.61	143.05	35.474		
13,600.00	7,630.00	5,042.00	5,042.00	90.84	87.04	-35.93	-6,863.26	5,694.31	4,996.76	4,854.28	142.48	35.071		
13,700.00	7,630.00	5,042.00	5,042.00	91.78	87.04	-35.93	-6,863.26	5,694.31	4,919.64	4,777.72	141.91	34.666		
13,800.00	7,630.00	5,042.00	5,042.00	92.77	87.04	-35.93	-6,863.26	5,694.31	4,843.36	4,701.99	141.37	34.259		
13,900.00	7,630.00	5,042.00	5,042.00	93.79	87.04	-35.93	-6,863.26	5,694.31	4,767.96	4,627.10	140.86	33.849		
14,000.00	7,630.00	5,042.00	5,042.00	94.86	87.04	-35.93	-6,863.26	5,694.31	4,693.48	4,553.11	140.37	33.436		
14,100.00	7,630.00	5,042.00	5,042.00	95.97	87.04	-35.93	-6,863.26	5,694.31	4,619.96	4,480.04	139.92	33.020		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT GOLTL 1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,630.00	5,042.00	5,042.00	97.11	87.04	-35.93	-6,863.26	5,694.31	4,547.45	4,407.95	139.50	32.599		
14,300.00	7,630.00	5,042.00	5,042.00	98.28	87.04	-35.93	-6,863.26	5,694.31	4,476.00	4,336.88	139.12	32.173		
14,400.00	7,630.00	5,042.00	5,042.00	99.48	87.04	-35.93	-6,863.26	5,694.31	4,405.67	4,266.88	138.79	31.743		
14,500.00	7,630.00	5,042.00	5,042.00	100.72	87.04	-35.93	-6,863.26	5,694.31	4,336.50	4,197.98	138.51	31.308		
14,600.00	7,630.00	5,042.00	5,042.00	101.97	87.04	-35.93	-6,863.26	5,694.31	4,268.55	4,130.26	138.29	30.867		
14,700.00	7,630.00	5,042.00	5,042.00	103.26	87.04	-35.93	-6,863.26	5,694.31	4,201.88	4,063.75	138.13	30.420		
14,800.00	7,630.00	5,042.00	5,042.00	104.56	87.04	-35.93	-6,863.26	5,694.31	4,136.55	3,998.52	138.04	29.967		
14,900.00	7,630.00	5,042.00	5,042.00	105.89	87.04	-35.93	-6,863.26	5,694.31	4,072.64	3,934.62	138.01	29.509		
15,000.00	7,630.00	5,042.00	5,042.00	107.24	87.04	-35.93	-6,863.26	5,694.31	4,010.19	3,872.12	138.07	29.045		
15,100.00	7,630.00	5,042.00	5,042.00	108.60	87.04	-35.93	-6,863.26	5,694.31	3,949.30	3,811.09	138.21	28.575		
15,200.00	7,630.00	5,042.00	5,042.00	109.98	87.04	-35.93	-6,863.26	5,694.31	3,890.02	3,751.59	138.43	28.101		
15,300.00	7,630.00	5,042.00	5,042.00	111.38	87.04	-35.93	-6,863.26	5,694.31	3,832.43	3,693.69	138.74	27.623		
15,400.00	7,630.00	5,042.00	5,042.00	112.79	87.04	-35.93	-6,863.26	5,694.31	3,776.62	3,637.47	139.15	27.141		
15,500.00	7,630.00	5,042.00	5,042.00	114.22	87.04	-35.93	-6,863.26	5,694.31	3,722.65	3,583.00	139.65	26.657		
15,600.00	7,630.00	5,042.00	5,042.00	115.66	87.04	-35.93	-6,863.26	5,694.31	3,670.61	3,530.36	140.26	26.171		
15,700.00	7,630.00	5,042.00	5,042.00	117.11	87.04	-35.93	-6,863.26	5,694.31	3,620.59	3,479.63	140.96	25.685		
15,800.00	7,630.00	5,042.00	5,042.00	118.57	87.04	-35.93	-6,863.26	5,694.31	3,572.67	3,430.90	141.77	25.201		
15,900.00	7,630.00	5,042.00	5,042.00	120.05	87.04	-35.93	-6,863.26	5,694.31	3,526.94	3,384.25	142.68	24.719		
16,000.00	7,630.00	5,042.00	5,042.00	121.53	87.04	-35.93	-6,863.26	5,694.31	3,483.47	3,339.77	143.70	24.241		
16,100.00	7,630.00	5,042.00	5,042.00	123.03	87.04	-35.93	-6,863.26	5,694.31	3,442.36	3,297.54	144.83	23.769		
16,200.00	7,630.00	5,042.00	5,042.00	124.53	87.04	-35.93	-6,863.26	5,694.31	3,403.70	3,257.64	146.05	23.304		
16,300.00	7,630.00	5,042.00	5,042.00	126.04	87.04	-35.93	-6,863.26	5,694.31	3,367.56	3,220.17	147.39	22.849		
16,400.00	7,630.00	5,042.00	5,042.00	127.56	87.04	-35.93	-6,863.26	5,694.31	3,334.03	3,185.21	148.82	22.403		
16,500.00	7,630.00	5,042.00	5,042.00	129.09	87.04	-35.93	-6,863.26	5,694.31	3,303.19	3,152.83	150.35	21.970		
16,600.00	7,630.00	5,042.00	5,042.00	130.62	87.04	-35.93	-6,863.26	5,694.31	3,275.11	3,123.12	151.98	21.549		
16,700.00	7,630.00	5,042.00	5,042.00	132.16	87.04	-35.93	-6,863.26	5,694.31	3,249.87	3,096.16	153.71	21.143		
16,800.00	7,630.00	5,042.00	5,042.00	133.71	87.04	-35.93	-6,863.26	5,694.31	3,227.52	3,072.00	155.52	20.753		
16,900.00	7,630.00	5,042.00	5,042.00	135.27	87.04	-35.93	-6,863.26	5,694.31	3,208.15	3,050.73	157.42	20.379		
17,000.00	7,630.00	5,042.00	5,042.00	136.83	87.04	-35.93	-6,863.26	5,694.31	3,191.79	3,032.38	159.40	20.024		
17,100.00	7,630.00	5,042.00	5,042.00	138.39	87.04	-35.93	-6,863.26	5,694.31	3,178.49	3,017.03	161.46	19.686		
17,200.00	7,630.00	5,042.00	5,042.00	139.97	87.04	-35.93	-6,863.26	5,694.31	3,168.29	3,004.71	163.58	19.369		
17,300.00	7,630.00	5,042.00	5,042.00	141.54	87.04	-35.93	-6,863.26	5,694.31	3,161.23	2,995.47	165.76	19.071		
17,400.00	7,630.00	5,042.00	5,042.00	143.12	87.04	-35.93	-6,863.26	5,694.31	3,157.32	2,989.32	168.00	18.794		
17,473.54	7,630.00	5,042.00	5,042.00	144.29	87.04	-35.93	-6,863.26	5,694.31	3,156.46	2,986.80	169.67	18.604 CC		
17,500.00	7,630.00	5,042.00	5,042.00	144.71	87.04	-35.93	-6,863.26	5,694.31	3,156.57	2,986.30	170.27	18.538 ES		
17,600.00	7,630.00	5,042.00	5,042.00	146.30	87.04	-35.93	-6,863.26	5,694.31	3,159.00	2,986.41	172.58	18.304		
17,700.00	7,630.00	5,042.00	5,042.00	147.90	87.04	-35.93	-6,863.26	5,694.31	3,164.58	2,989.66	174.91	18.092		
17,800.00	7,630.00	5,042.00	5,042.00	149.50	87.04	-35.93	-6,863.26	5,694.31	3,173.30	2,996.05	177.25	17.903		
17,900.00	7,630.00	5,042.00	5,042.00	151.10	87.04	-35.93	-6,863.26	5,694.31	3,185.14	3,005.55	179.59	17.736		
18,000.00	7,630.00	5,042.00	5,042.00	152.71	87.04	-35.93	-6,863.26	5,694.31	3,200.07	3,018.15	181.92	17.591		
18,100.00	7,630.00	5,042.00	5,042.00	154.32	87.04	-35.93	-6,863.26	5,694.31	3,218.03	3,033.81	184.22	17.469		
18,200.00	7,630.00	5,042.00	5,042.00	155.94	87.04	-35.93	-6,863.26	5,694.31	3,238.98	3,052.50	186.48	17.369		
18,300.00	7,630.00	5,042.00	5,042.00	157.56	87.04	-35.93	-6,863.26	5,694.31	3,262.87	3,074.17	188.70	17.291		
18,400.00	7,630.00	5,042.00	5,042.00	159.18	87.04	-35.93	-6,863.26	5,694.31	3,289.62	3,098.75	190.87	17.235		
18,500.00	7,630.00	5,042.00	5,042.00	160.80	87.04	-35.93	-6,863.26	5,694.31	3,319.17	3,126.20	192.97	17.201		
18,600.00	7,630.00	5,042.00	5,042.00	162.43	87.04	-35.93	-6,863.26	5,694.31	3,351.44	3,156.45	195.00	17.187 SF		
18,700.00	7,630.00	5,042.00	5,042.00	164.06	87.04	-35.93	-6,863.26	5,694.31	3,386.37	3,189.42	196.95	17.194		
18,800.00	7,630.00	5,042.00	5,042.00	165.70	87.04	-35.93	-6,863.26	5,694.31	3,423.85	3,225.03	198.82	17.221		
18,900.00	7,630.00	5,042.00	5,042.00	167.33	87.04	-35.93	-6,863.26	5,694.31	3,463.82	3,263.21	200.61	17.267		
19,000.00	7,630.00	5,042.00	5,042.00	168.97	87.04	-35.93	-6,863.26	5,694.31	3,506.19	3,303.88	202.31	17.331		
19,021.79	7,630.00	5,042.00	5,042.00	169.33	87.04	-35.93	-6,863.26	5,694.31	3,515.73	3,313.06	202.67	17.347		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT GOLTL 2 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	145.18	-8,181.99	5,691.81	9,967.08					
100.00	100.00	66.00	66.00	0.13	0.54	145.18	-8,181.99	5,691.81	9,967.03	9,966.35	0.68	N/A		
200.00	200.00	166.00	166.00	0.49	1.97	145.18	-8,181.99	5,691.81	9,967.03	9,964.56	2.47	4,043.219		
300.00	300.00	266.00	266.00	0.85	3.72	145.18	-8,181.99	5,691.81	9,967.03	9,962.46	4.57	2,181.483		
400.00	400.00	366.00	366.00	1.21	5.46	145.18	-8,181.99	5,691.81	9,967.03	9,960.35	6.67	1,493.697		
500.00	500.00	466.00	466.00	1.57	7.21	145.18	-8,181.99	5,691.81	9,967.03	9,958.25	8.78	1,135.646		
600.00	600.00	566.00	566.00	1.93	8.95	145.18	-8,181.99	5,691.81	9,967.03	9,956.15	10.88	916.060		
700.00	700.00	666.00	666.00	2.29	10.70	145.18	-8,181.99	5,691.81	9,967.03	9,954.04	12.98	767.632		
800.00	799.98	765.98	765.98	2.64	12.44	83.40	-8,181.99	5,691.81	9,966.83	9,951.74	15.08	660.786		
900.00	899.84	865.84	865.84	2.99	14.19	83.45	-8,181.99	5,691.81	9,966.23	9,949.05	17.18	580.133		
1,000.00	999.45	965.45	965.45	3.35	15.93	83.51	-8,181.99	5,691.81	9,965.23	9,945.95	19.28	516.931		
1,100.00	1,098.70	1,064.70	1,064.70	3.73	17.66	83.61	-8,181.99	5,691.81	9,963.86	9,942.47	21.38	466.014		
1,200.00	1,197.47	1,163.47	1,163.47	4.11	19.38	83.73	-8,181.99	5,691.81	9,962.11	9,938.62	23.49	424.056		
1,300.00	1,295.62	1,261.62	1,261.62	4.53	21.09	83.88	-8,181.99	5,691.81	9,960.01	9,934.40	25.62	388.827		
1,400.00	1,393.06	1,359.06	1,359.06	4.97	22.79	84.06	-8,181.99	5,691.81	9,957.59	9,929.84	27.75	358.777		
1,500.00	1,489.64	1,455.64	1,455.64	5.44	24.48	84.25	-8,181.99	5,691.81	9,954.86	9,924.95	29.91	332.800		
1,600.00	1,585.27	1,551.27	1,551.27	5.95	26.15	84.47	-8,181.99	5,691.81	9,951.86	9,919.77	32.09	310.086		
1,700.00	1,679.82	1,645.82	1,645.82	6.51	27.80	84.72	-8,181.99	5,691.81	9,948.62	9,914.32	34.30	290.031		
1,800.00	1,773.17	1,739.17	1,739.17	7.13	29.43	84.98	-8,181.99	5,691.81	9,945.17	9,908.63	36.54	272.175		
1,900.00	1,865.21	1,831.21	1,831.21	7.79	31.04	85.25	-8,181.99	5,691.81	9,941.56	9,902.75	38.81	256.164		
2,000.00	1,955.84	1,921.84	1,921.84	8.51	32.62	85.55	-8,181.99	5,691.81	9,937.82	9,896.71	41.11	241.719		
2,100.00	2,044.94	2,010.94	2,010.94	9.30	34.17	85.86	-8,181.99	5,691.81	9,934.01	9,890.56	43.45	228.617		
2,200.00	2,132.39	2,101.61	2,098.39	10.15	35.75	86.18	-8,181.99	5,691.81	9,930.17	9,884.28	45.88	216.415		
2,300.00	2,218.11	2,184.11	2,184.11	11.07	37.19	86.51	-8,181.99	5,691.81	9,926.34	9,878.10	48.24	205.761		
2,400.00	2,301.97	2,267.97	2,267.97	12.06	38.66	86.85	-8,181.99	5,691.81	9,922.58	9,871.89	50.69	195.740		
2,500.00	2,383.88	2,349.88	2,349.88	13.11	40.09	87.19	-8,181.99	5,691.81	9,918.94	9,865.76	53.18	186.516		
2,512.74	2,394.17	2,360.17	2,360.17	13.25	40.27	87.24	-8,181.99	5,691.81	9,918.49	9,864.99	53.50	185.395		
2,600.00	2,464.54	2,430.54	2,430.54	14.22	41.50	87.48	-8,181.99	5,691.81	9,915.54	9,859.84	55.70	178.024		
2,700.00	2,545.18	2,511.18	2,511.18	15.35	42.90	87.75	-8,181.99	5,691.81	9,912.49	9,854.25	58.24	170.213		
2,800.00	2,625.82	2,608.18	2,591.82	16.50	44.60	88.03	-8,181.99	5,691.81	9,909.79	9,848.72	61.07	162.256		
2,900.00	2,706.45	2,672.45	2,672.45	17.65	45.72	88.30	-8,181.99	5,691.81	9,907.44	9,844.09	63.35	156.380		
3,000.00	2,787.09	2,753.09	2,753.09	18.82	47.13	88.58	-8,181.99	5,691.81	9,905.45	9,839.52	65.93	150.241		
3,100.00	2,867.73	2,833.73	2,833.73	19.99	48.53	88.85	-8,181.99	5,691.81	9,903.81	9,835.29	68.51	144.551		
3,200.00	2,948.37	2,914.37	2,914.37	21.17	49.94	89.13	-8,181.99	5,691.81	9,902.52	9,831.41	71.10	139.267		
3,300.00	3,029.01	3,004.99	2,995.01	22.36	51.52	89.41	-8,181.99	5,691.81	9,901.58	9,827.71	73.87	134.032		
3,400.00	3,109.65	3,075.65	3,075.65	23.55	52.76	89.68	-8,181.99	5,691.81	9,901.00	9,824.70	76.30	129.762		
3,500.00	3,190.29	3,156.29	3,156.29	24.74	54.16	89.96	-8,181.99	5,691.81	9,900.77	9,821.86	78.91	125.477		
3,515.04	3,202.42	3,168.42	3,168.42	24.92	54.37	90.00	-8,181.99	5,691.81	9,900.76	9,821.47	79.30	124.856		
3,600.00	3,270.93	3,236.93	3,236.93	25.94	55.57	90.23	-8,181.99	5,691.81	9,900.89	9,819.38	81.51	121.465		
3,700.00	3,351.57	3,317.57	3,317.57	27.14	56.98	90.51	-8,181.99	5,691.81	9,901.37	9,817.25	84.12	117.703		
3,800.00	3,432.21	3,401.79	3,398.21	28.35	58.45	90.79	-8,181.99	5,691.81	9,902.20	9,815.40	86.80	114.086		
3,900.00	3,512.85	3,478.85	3,478.85	29.56	59.79	91.06	-8,181.99	5,691.81	9,903.38	9,814.04	89.35	110.843		
4,000.00	3,593.49	3,559.49	3,559.49	30.76	61.20	91.34	-8,181.99	5,691.81	9,904.92	9,812.96	91.96	107.709		
4,100.00	3,674.13	3,640.13	3,640.13	31.97	62.61	91.61	-8,181.99	5,691.81	9,906.81	9,812.23	94.58	104.751		
4,200.00	3,754.77	3,720.77	3,720.77	33.19	64.01	91.89	-8,181.99	5,691.81	9,909.05	9,811.86	97.19	101.955		
4,300.00	3,835.41	3,801.41	3,801.41	34.40	65.42	92.17	-8,181.99	5,691.81	9,911.64	9,811.84	99.81	99.310		
4,400.00	3,916.05	3,882.05	3,882.05	35.62	66.83	92.44	-8,181.99	5,691.81	9,914.59	9,812.17	102.42	96.803		
4,500.00	3,996.69	3,962.69	3,962.69	36.83	68.24	92.72	-8,181.99	5,691.81	9,917.88	9,812.85	105.04	94.424		
4,600.00	4,077.33	4,043.33	4,043.33	38.05	69.64	92.99	-8,181.99	5,691.81	9,921.53	9,813.88	107.65	92.165		
4,700.00	4,157.96	4,123.96	4,123.96	39.27	71.05	93.27	-8,181.99	5,691.81	9,925.53	9,815.27	110.26	90.017		
4,800.00	4,238.60	4,204.60	4,204.60	40.49	72.46	93.54	-8,181.99	5,691.81	9,929.88	9,817.01	112.88	87.972		
4,900.00	4,319.24	4,285.24	4,285.24	41.71	73.87	93.82	-8,181.99	5,691.81	9,934.58	9,819.10	115.49	86.024		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT GOLTL 2 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	4,399.88	4,365.88	4,365.88	42.93	75.27	94.09	-8,181.99	5,691.81	9,939.63	9,821.54	118.10	84.165		
5,100.00	4,480.52	4,446.52	4,446.52	44.15	76.68	94.37	-8,181.99	5,691.81	9,945.03	9,824.33	120.70	82.391		
5,200.00	4,561.16	4,527.16	4,527.16	45.37	78.09	94.64	-8,181.99	5,691.81	9,950.78	9,827.47	123.31	80.696		
5,300.00	4,641.80	4,607.80	4,607.80	46.59	79.50	94.91	-8,181.99	5,691.81	9,956.88	9,830.96	125.92	79.075		
5,400.00	4,722.44	4,688.44	4,688.44	47.82	80.90	95.19	-8,181.99	5,691.81	9,963.32	9,834.80	128.52	77.524		
5,500.00	4,803.08	4,769.08	4,769.08	49.04	82.31	95.46	-8,181.99	5,691.81	9,970.11	9,838.99	131.12	76.038		
5,600.00	4,883.72	4,849.72	4,849.72	50.27	83.72	95.73	-8,181.99	5,691.81	9,977.25	9,843.53	133.72	74.614		
5,700.00	4,964.36	4,930.36	4,930.36	51.49	85.13	96.01	-8,181.99	5,691.81	9,984.73	9,848.41	136.31	73.248		
5,800.00	5,045.00	5,011.00	5,011.00	52.71	86.53	96.28	-8,181.99	5,691.81	9,992.55	9,853.64	138.91	71.937		
9,400.00	7,630.00	5,020.00	5,020.00	85.99	86.69	-35.74	-8,181.99	5,691.81	9,914.02	9,748.17	165.84	59.779		
9,500.00	7,630.00	5,020.00	5,020.00	85.62	86.69	-35.74	-8,181.99	5,691.81	9,819.33	9,653.80	165.54	59.319		
9,600.00	7,630.00	5,020.00	5,020.00	85.28	86.69	-35.74	-8,181.99	5,691.81	9,724.75	9,559.53	165.22	58.859		
9,700.00	7,630.00	5,020.00	5,020.00	84.95	86.69	-35.74	-8,181.99	5,691.81	9,630.28	9,465.38	164.90	58.399		
9,800.00	7,630.00	5,020.00	5,020.00	84.64	86.69	-35.74	-8,181.99	5,691.81	9,535.93	9,371.35	164.58	57.941		
9,900.00	7,630.00	5,020.00	5,020.00	84.34	86.69	-35.74	-8,181.99	5,691.81	9,441.69	9,277.44	164.25	57.483		
10,000.00	7,630.00	5,020.00	5,020.00	84.06	86.69	-35.74	-8,181.99	5,691.81	9,347.57	9,183.65	163.92	57.026		
10,100.00	7,630.00	5,020.00	5,020.00	83.80	86.69	-35.74	-8,181.99	5,691.81	9,253.57	9,089.99	163.58	56.569		
10,200.00	7,630.00	5,020.00	5,020.00	83.56	86.69	-35.74	-8,181.99	5,691.81	9,159.70	8,996.47	163.23	56.114		
10,300.00	7,630.00	5,020.00	5,020.00	83.33	86.69	-35.74	-8,181.99	5,691.81	9,065.96	8,903.08	162.89	55.659		
10,400.00	7,630.00	5,020.00	5,020.00	83.12	86.69	-35.74	-8,181.99	5,691.81	8,972.36	8,809.83	162.53	55.204		
10,500.00	7,630.00	5,020.00	5,020.00	82.92	86.69	-35.74	-8,181.99	5,691.81	8,878.89	8,716.72	162.17	54.751		
10,600.00	7,630.00	5,020.00	5,020.00	82.75	86.69	-35.74	-8,181.99	5,691.81	8,785.57	8,623.77	161.80	54.298		
10,700.00	7,630.00	5,020.00	5,020.00	82.59	86.69	-35.74	-8,181.99	5,691.81	8,692.40	8,530.97	161.43	53.846		
10,800.00	7,630.00	5,020.00	5,020.00	82.45	86.69	-35.74	-8,181.99	5,691.81	8,599.38	8,438.33	161.05	53.395		
10,900.00	7,630.00	5,020.00	5,020.00	82.33	86.69	-35.74	-8,181.99	5,691.81	8,506.52	8,345.85	160.67	52.944		
11,000.00	7,630.00	5,020.00	5,020.00	82.22	86.69	-35.74	-8,181.99	5,691.81	8,413.83	8,253.55	160.28	52.495		
11,100.00	7,630.00	5,020.00	5,020.00	82.14	86.69	-35.74	-8,181.99	5,691.81	8,321.30	8,161.42	159.88	52.046		
11,200.00	7,630.00	5,020.00	5,020.00	82.08	86.69	-35.74	-8,181.99	5,691.81	8,228.95	8,069.47	159.48	51.598		
11,300.00	7,630.00	5,020.00	5,020.00	82.04	86.69	-35.74	-8,181.99	5,691.81	8,136.78	7,977.70	159.07	51.151		
11,400.00	7,630.00	5,020.00	5,020.00	82.02	86.69	-35.74	-8,181.99	5,691.81	8,044.79	7,886.13	158.66	50.704		
11,500.00	7,630.00	5,020.00	5,020.00	82.03	86.69	-35.74	-8,181.99	5,691.81	7,953.00	7,794.76	158.24	50.259		
11,600.00	7,630.00	5,020.00	5,020.00	82.06	86.69	-35.74	-8,181.99	5,691.81	7,861.41	7,703.59	157.81	49.814		
11,700.00	7,630.00	5,020.00	5,020.00	82.12	86.69	-35.74	-8,181.99	5,691.81	7,770.03	7,612.64	157.38	49.370		
11,800.00	7,630.00	5,020.00	5,020.00	82.21	86.69	-35.74	-8,181.99	5,691.81	7,678.86	7,521.91	156.95	48.927		
11,900.00	7,630.00	5,020.00	5,020.00	82.33	86.69	-35.74	-8,181.99	5,691.81	7,587.91	7,431.41	156.50	48.485		
12,000.00	7,630.00	5,020.00	5,020.00	82.48	86.69	-35.74	-8,181.99	5,691.81	7,497.20	7,341.14	156.05	48.043		
12,100.00	7,630.00	5,020.00	5,020.00	82.66	86.69	-35.74	-8,181.99	5,691.81	7,406.72	7,251.12	155.60	47.602		
12,200.00	7,630.00	5,020.00	5,020.00	82.88	86.69	-35.74	-8,181.99	5,691.81	7,316.49	7,161.35	155.14	47.162		
12,300.00	7,630.00	5,020.00	5,020.00	83.14	86.69	-35.74	-8,181.99	5,691.81	7,226.52	7,071.85	154.67	46.722		
12,400.00	7,630.00	5,020.00	5,020.00	83.44	86.69	-35.74	-8,181.99	5,691.81	7,136.82	6,982.62	154.20	46.283		
12,500.00	7,630.00	5,020.00	5,020.00	83.79	86.69	-35.74	-8,181.99	5,691.81	7,047.39	6,893.67	153.72	45.845		
12,600.00	7,630.00	5,020.00	5,020.00	84.18	86.69	-35.74	-8,181.99	5,691.81	6,958.25	6,805.01	153.24	45.407		
12,700.00	7,630.00	5,020.00	5,020.00	84.61	86.69	-35.74	-8,181.99	5,691.81	6,869.41	6,716.65	152.76	44.969		
12,800.00	7,630.00	5,020.00	5,020.00	85.10	86.69	-35.74	-8,181.99	5,691.81	6,780.88	6,628.61	152.27	44.532		
12,900.00	7,630.00	5,020.00	5,020.00	85.64	86.69	-35.74	-8,181.99	5,691.81	6,692.67	6,540.90	151.78	44.096		
13,000.00	7,630.00	5,020.00	5,020.00	86.22	86.69	-35.74	-8,181.99	5,691.81	6,604.80	6,453.52	151.28	43.659		
13,100.00	7,630.00	5,020.00	5,020.00	86.86	86.69	-35.74	-8,181.99	5,691.81	6,517.28	6,366.50	150.78	43.223		
13,200.00	7,630.00	5,020.00	5,020.00	87.56	86.69	-35.74	-8,181.99	5,691.81	6,430.12	6,279.84	150.29	42.786		
13,300.00	7,630.00	5,020.00	5,020.00	88.30	86.69	-35.74	-8,181.99	5,691.81	6,343.35	6,193.56	149.79	42.349		
13,400.00	7,630.00	5,020.00	5,020.00	89.10	86.69	-35.74	-8,181.99	5,691.81	6,256.96	6,107.68	149.29	41.912		
13,500.00	7,630.00	5,020.00	5,020.00	89.94	86.69	-35.74	-8,181.99	5,691.81	6,170.99	6,022.20	148.79	41.475		
13,600.00	7,630.00	5,020.00	5,020.00	90.84	86.69	-35.74	-8,181.99	5,691.81	6,085.45	5,937.16	148.29	41.037		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT GOLTL 2 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
13,700.00	7,630.00	5,020.00	5,020.00	91.78	86.69	-35.74	-8,181.99	5,691.81	6,000.35	5,852.55	147.80	40.598		
13,800.00	7,630.00	5,020.00	5,020.00	92.77	86.69	-35.74	-8,181.99	5,691.81	5,915.72	5,768.41	147.31	40.158		
13,900.00	7,630.00	5,020.00	5,020.00	93.79	86.69	-35.74	-8,181.99	5,691.81	5,831.58	5,684.75	146.83	39.716		
14,000.00	7,630.00	5,020.00	5,020.00	94.86	86.69	-35.74	-8,181.99	5,691.81	5,747.95	5,601.59	146.36	39.274		
14,100.00	7,630.00	5,020.00	5,020.00	95.97	86.69	-35.74	-8,181.99	5,691.81	5,664.84	5,518.95	145.89	38.829		
14,200.00	7,630.00	5,020.00	5,020.00	97.11	86.69	-35.74	-8,181.99	5,691.81	5,582.29	5,436.85	145.44	38.382		
14,300.00	7,630.00	5,020.00	5,020.00	98.28	86.69	-35.74	-8,181.99	5,691.81	5,500.32	5,355.32	145.00	37.933		
14,400.00	7,630.00	5,020.00	5,020.00	99.48	86.69	-35.74	-8,181.99	5,691.81	5,418.95	5,274.38	144.58	37.481		
14,500.00	7,630.00	5,020.00	5,020.00	100.72	86.69	-35.74	-8,181.99	5,691.81	5,338.22	5,194.05	144.17	37.026		
14,600.00	7,630.00	5,020.00	5,020.00	101.97	86.69	-35.74	-8,181.99	5,691.81	5,258.15	5,114.36	143.79	36.568		
14,700.00	7,630.00	5,020.00	5,020.00	103.26	86.69	-35.74	-8,181.99	5,691.81	5,178.77	5,035.34	143.43	36.106		
14,800.00	7,630.00	5,020.00	5,020.00	104.56	86.69	-35.74	-8,181.99	5,691.81	5,100.12	4,957.02	143.10	35.640		
14,900.00	7,630.00	5,020.00	5,020.00	105.89	86.69	-35.74	-8,181.99	5,691.81	5,022.23	4,879.43	142.80	35.170		
15,000.00	7,630.00	5,020.00	5,020.00	107.24	86.69	-35.74	-8,181.99	5,691.81	4,945.13	4,802.60	142.53	34.695		
15,100.00	7,630.00	5,020.00	5,020.00	108.60	86.69	-35.74	-8,181.99	5,691.81	4,868.87	4,726.57	142.30	34.215		
15,200.00	7,630.00	5,020.00	5,020.00	109.98	86.69	-35.74	-8,181.99	5,691.81	4,793.48	4,651.36	142.12	33.729		
15,300.00	7,630.00	5,020.00	5,020.00	111.38	86.69	-35.74	-8,181.99	5,691.81	4,719.00	4,577.03	141.97	33.239		
15,400.00	7,630.00	5,020.00	5,020.00	112.79	86.69	-35.74	-8,181.99	5,691.81	4,645.49	4,503.61	141.88	32.743		
15,500.00	7,630.00	5,020.00	5,020.00	114.22	86.69	-35.74	-8,181.99	5,691.81	4,572.97	4,431.13	141.84	32.241		
15,600.00	7,630.00	5,020.00	5,020.00	115.66	86.69	-35.74	-8,181.99	5,691.81	4,501.51	4,359.66	141.86	31.733		
15,700.00	7,630.00	5,020.00	5,020.00	117.11	86.69	-35.74	-8,181.99	5,691.81	4,431.16	4,289.23	141.93	31.220		
15,800.00	7,630.00	5,020.00	5,020.00	118.57	86.69	-35.74	-8,181.99	5,691.81	4,361.96	4,219.88	142.08	30.701		
15,900.00	7,630.00	5,020.00	5,020.00	120.05	86.69	-35.74	-8,181.99	5,691.81	4,293.98	4,151.69	142.29	30.177		
16,000.00	7,630.00	5,020.00	5,020.00	121.53	86.69	-35.74	-8,181.99	5,691.81	4,227.27	4,084.69	142.58	29.649		
16,100.00	7,630.00	5,020.00	5,020.00	123.03	86.69	-35.74	-8,181.99	5,691.81	4,161.89	4,018.95	142.94	29.116		
16,200.00	7,630.00	5,020.00	5,020.00	124.53	86.69	-35.74	-8,181.99	5,691.81	4,097.92	3,954.53	143.38	28.580		
16,300.00	7,630.00	5,020.00	5,020.00	126.04	86.69	-35.74	-8,181.99	5,691.81	4,035.40	3,891.49	143.91	28.041		
16,400.00	7,630.00	5,020.00	5,020.00	127.56	86.69	-35.74	-8,181.99	5,691.81	3,974.42	3,829.90	144.52	27.501		
16,500.00	7,630.00	5,020.00	5,020.00	129.09	86.69	-35.74	-8,181.99	5,691.81	3,915.04	3,769.82	145.22	26.960		
16,600.00	7,630.00	5,020.00	5,020.00	130.62	86.69	-35.74	-8,181.99	5,691.81	3,857.34	3,711.34	146.01	26.419		
16,700.00	7,630.00	5,020.00	5,020.00	132.16	86.69	-35.74	-8,181.99	5,691.81	3,801.40	3,654.52	146.89	25.880		
16,800.00	7,630.00	5,020.00	5,020.00	133.71	86.69	-35.74	-8,181.99	5,691.81	3,747.29	3,599.43	147.86	25.344		
16,900.00	7,630.00	5,020.00	5,020.00	135.27	86.69	-35.74	-8,181.99	5,691.81	3,695.10	3,546.18	148.92	24.813		
17,000.00	7,630.00	5,020.00	5,020.00	136.83	86.69	-35.74	-8,181.99	5,691.81	3,644.90	3,494.82	150.08	24.287		
17,100.00	7,630.00	5,020.00	5,020.00	138.39	86.69	-35.74	-8,181.99	5,691.81	3,596.78	3,445.46	151.32	23.769		
17,200.00	7,630.00	5,020.00	5,020.00	139.97	86.69	-35.74	-8,181.99	5,691.81	3,550.83	3,398.16	152.66	23.259		
17,300.00	7,630.00	5,020.00	5,020.00	141.54	86.69	-35.74	-8,181.99	5,691.81	3,507.12	3,353.03	154.09	22.760		
17,400.00	7,630.00	5,020.00	5,020.00	143.12	86.69	-35.74	-8,181.99	5,691.81	3,465.76	3,310.14	155.61	22.272		
17,500.00	7,630.00	5,020.00	5,020.00	144.71	86.69	-35.74	-8,181.99	5,691.81	3,426.81	3,269.59	157.22	21.797		
17,600.00	7,630.00	5,020.00	5,020.00	146.30	86.69	-35.74	-8,181.99	5,691.81	3,390.36	3,231.46	158.91	21.336		
17,700.00	7,630.00	5,020.00	5,020.00	147.90	86.69	-35.74	-8,181.99	5,691.81	3,356.50	3,195.83	160.68	20.890		
17,800.00	7,630.00	5,020.00	5,020.00	149.50	86.69	-35.74	-8,181.99	5,691.81	3,325.31	3,162.78	162.52	20.460		
17,900.00	7,630.00	5,020.00	5,020.00	151.10	86.69	-35.74	-8,181.99	5,691.81	3,296.85	3,132.40	164.45	20.048		
18,000.00	7,630.00	5,020.00	5,020.00	152.71	86.69	-35.74	-8,181.99	5,691.81	3,271.20	3,104.76	166.44	19.654		
18,100.00	7,630.00	5,020.00	5,020.00	154.32	86.69	-35.74	-8,181.99	5,691.81	3,248.43	3,079.93	168.50	19.279		
18,200.00	7,630.00	5,020.00	5,020.00	155.94	86.69	-35.74	-8,181.99	5,691.81	3,228.60	3,057.98	170.62	18.923		
18,300.00	7,630.00	5,020.00	5,020.00	157.56	86.69	-35.74	-8,181.99	5,691.81	3,211.76	3,038.96	172.79	18.587		
18,400.00	7,630.00	5,020.00	5,020.00	159.18	86.69	-35.74	-8,181.99	5,691.81	3,197.96	3,022.94	175.02	18.272		
18,500.00	7,630.00	5,020.00	5,020.00	160.80	86.69	-35.74	-8,181.99	5,691.81	3,187.24	3,009.95	177.29	17.977		
18,600.00	7,630.00	5,020.00	5,020.00	162.43	86.69	-35.74	-8,181.99	5,691.81	3,179.63	3,000.03	179.60	17.704		
18,700.00	7,630.00	5,020.00	5,020.00	164.06	86.69	-35.74	-8,181.99	5,691.81	3,175.15	2,993.22	181.93	17.452		
18,792.27	7,630.00	5,020.00	5,020.00	165.57	86.69	-35.74	-8,181.99	5,691.81	3,173.81	2,989.70	184.11	17.239 CC		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SEC 26-T1N-R68W - ABND VERT GOLTL 2 - OWB - Design #1												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 0-INC-ONLY												<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
18,800.00	7,630.00	5,020.00	5,020.00	165.70	86.69	-35.74	-8,181.99	5,691.81	3,173.82	2,989.53	184.29	17.222	
18,900.00	7,630.00	5,020.00	5,020.00	167.33	86.69	-35.74	-8,181.99	5,691.81	3,175.64	2,988.98	186.65	17.014 ES	
19,000.00	7,630.00	5,020.00	5,020.00	168.97	86.69	-35.74	-8,181.99	5,691.81	3,180.60	2,991.58	189.02	16.827	
19,021.79	7,630.00	5,020.00	5,020.00	169.33	86.69	-35.74	-8,181.99	5,691.81	3,182.10	2,992.57	189.53	16.789 SF	

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT JL SEARS 1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	162.18	-5,565.53	1,788.78	5,846.01					
100.00	100.00	70.00	70.00	0.13	0.57	162.18	-5,565.53	1,788.78	5,845.93	5,845.23	0.70	8,321.223		
200.00	200.00	170.00	170.00	0.49	2.03	162.18	-5,565.53	1,788.78	5,845.93	5,843.40	2.53	2,314.112		
300.00	300.00	270.00	270.00	0.85	3.78	162.18	-5,565.53	1,788.78	5,845.93	5,841.30	4.63	1,262.617		
400.00	400.00	370.00	370.00	1.21	5.52	162.18	-5,565.53	1,788.78	5,845.93	5,839.19	6.73	868.146		
500.00	500.00	470.00	470.00	1.57	7.27	162.18	-5,565.53	1,788.78	5,845.93	5,837.09	8.84	661.483		
600.00	600.00	570.00	570.00	1.93	9.01	162.18	-5,565.53	1,788.78	5,845.93	5,834.99	10.94	534.294		
700.00	700.00	670.00	670.00	2.29	10.76	162.18	-5,565.53	1,788.78	5,845.93	5,832.88	13.05	448.128		
800.00	799.98	769.98	769.98	2.64	12.50	100.41	-5,565.53	1,788.78	5,846.24	5,831.10	15.14	386.029		
900.00	899.84	869.84	869.84	2.99	14.25	100.44	-5,565.53	1,788.78	5,847.19	5,829.95	17.24	339.144		
1,000.00	999.45	969.45	969.45	3.35	15.99	100.49	-5,565.53	1,788.78	5,848.78	5,829.44	19.34	302.413		
1,100.00	1,098.70	1,068.70	1,068.70	3.73	17.72	100.56	-5,565.53	1,788.78	5,851.02	5,829.58	21.44	272.842		
1,200.00	1,197.47	1,167.47	1,167.47	4.11	19.44	100.65	-5,565.53	1,788.78	5,853.94	5,830.38	23.56	248.501		
1,300.00	1,295.62	1,265.62	1,265.62	4.53	21.16	100.76	-5,565.53	1,788.78	5,857.55	5,831.87	25.68	228.090		
1,400.00	1,393.06	1,363.06	1,363.06	4.97	22.86	100.89	-5,565.53	1,788.78	5,861.88	5,834.06	27.82	210.710		
1,500.00	1,489.64	1,459.64	1,459.64	5.44	24.54	101.03	-5,565.53	1,788.78	5,866.97	5,836.99	29.98	195.715		
1,600.00	1,585.27	1,555.27	1,555.27	5.95	26.21	101.18	-5,565.53	1,788.78	5,872.85	5,840.69	32.16	182.635		
1,700.00	1,679.82	1,649.82	1,649.82	6.51	27.86	101.35	-5,565.53	1,788.78	5,879.56	5,845.20	34.36	171.116		
1,800.00	1,773.17	1,743.17	1,743.17	7.13	29.49	101.52	-5,565.53	1,788.78	5,887.15	5,850.56	36.59	160.890		
1,900.00	1,865.21	1,835.21	1,835.21	7.79	31.10	101.69	-5,565.53	1,788.78	5,895.66	5,856.81	38.85	151.751		
2,000.00	1,955.84	1,925.84	1,925.84	8.51	32.68	101.87	-5,565.53	1,788.78	5,905.14	5,864.00	41.14	143.535		
2,100.00	2,044.94	2,014.94	2,014.94	9.30	34.23	102.05	-5,565.53	1,788.78	5,915.64	5,872.18	43.46	136.113		
2,200.00	2,132.39	2,102.39	2,102.39	10.15	35.76	102.23	-5,565.53	1,788.78	5,927.22	5,881.41	45.81	129.380		
2,300.00	2,218.11	2,188.11	2,188.11	11.07	37.26	102.40	-5,565.53	1,788.78	5,939.94	5,891.74	48.19	123.250		
2,400.00	2,301.97	2,271.97	2,271.97	12.06	38.72	102.56	-5,565.53	1,788.78	5,953.83	5,903.23	50.61	117.652		
2,500.00	2,383.88	2,353.88	2,353.88	13.11	40.15	102.70	-5,565.53	1,788.78	5,968.97	5,915.93	53.04	112.529		
2,512.74	2,394.17	2,364.17	2,364.17	13.25	40.33	102.72	-5,565.53	1,788.78	5,970.99	5,917.63	53.36	111.908		
2,600.00	2,464.54	2,434.54	2,434.54	14.22	41.56	103.11	-5,565.53	1,788.78	5,985.11	5,929.60	55.50	107.833		
2,700.00	2,545.18	2,515.18	2,515.18	15.35	42.96	103.56	-5,565.53	1,788.78	6,001.79	5,943.81	57.98	103.521		
2,800.00	2,625.82	2,604.18	2,595.82	16.50	44.52	104.01	-5,565.53	1,788.78	6,019.01	5,958.40	60.60	99.317		
2,900.00	2,706.45	2,676.45	2,676.45	17.65	45.78	104.46	-5,565.53	1,788.78	6,036.76	5,973.81	62.94	95.905		
3,000.00	2,787.09	2,757.09	2,757.09	18.82	47.19	104.90	-5,565.53	1,788.78	6,055.03	5,989.59	65.43	92.535		
3,100.00	2,867.73	2,837.73	2,837.73	19.99	48.59	105.35	-5,565.53	1,788.78	6,073.82	6,005.90	67.93	89.418		
3,200.00	2,948.37	2,918.37	2,918.37	21.17	50.00	105.79	-5,565.53	1,788.78	6,093.13	6,022.72	70.42	86.530		
3,300.00	3,029.01	3,000.99	2,999.01	22.36	51.44	106.23	-5,565.53	1,788.78	6,112.96	6,040.02	72.94	83.808		
3,400.00	3,109.65	3,079.65	3,079.65	23.55	52.82	106.66	-5,565.53	1,788.78	6,133.28	6,057.89	75.39	81.351		
3,500.00	3,190.29	3,160.29	3,160.29	24.74	54.22	107.10	-5,565.53	1,788.78	6,154.11	6,076.24	77.88	79.025		
3,600.00	3,270.93	3,240.93	3,240.93	25.94	55.63	107.53	-5,565.53	1,788.78	6,175.44	6,095.08	80.36	76.852		
3,700.00	3,351.57	3,321.57	3,321.57	27.14	57.04	107.96	-5,565.53	1,788.78	6,197.25	6,114.42	82.83	74.819		
3,800.00	3,432.21	3,402.21	3,402.21	28.35	58.45	108.39	-5,565.53	1,788.78	6,219.56	6,134.26	85.30	72.914		
3,900.00	3,512.85	3,482.85	3,482.85	29.56	59.85	108.82	-5,565.53	1,788.78	6,242.34	6,154.57	87.76	71.127		
4,000.00	3,593.49	3,563.49	3,563.49	30.76	61.26	109.24	-5,565.53	1,788.78	6,265.60	6,175.37	90.22	69.447		
4,100.00	3,674.13	3,644.13	3,644.13	31.97	62.67	109.67	-5,565.53	1,788.78	6,289.32	6,196.65	92.67	67.865		
4,200.00	3,754.77	3,724.77	3,724.77	33.19	64.08	110.09	-5,565.53	1,788.78	6,313.52	6,218.40	95.12	66.375		
4,300.00	3,835.41	3,805.41	3,805.41	34.40	65.48	110.50	-5,565.53	1,788.78	6,338.17	6,240.61	97.56	64.969		
4,400.00	3,916.05	3,886.05	3,886.05	35.62	66.89	110.92	-5,565.53	1,788.78	6,363.27	6,263.28	99.99	63.640		
4,500.00	3,996.69	3,966.69	3,966.69	36.83	68.30	111.33	-5,565.53	1,788.78	6,388.83	6,286.42	102.41	62.383		
4,600.00	4,077.33	4,047.33	4,047.33	38.05	69.71	111.74	-5,565.53	1,788.78	6,414.83	6,310.00	104.83	61.192		
4,700.00	4,157.96	4,127.96	4,127.96	39.27	71.11	112.15	-5,565.53	1,788.78	6,441.26	6,334.02	107.24	60.064		
4,800.00	4,238.60	4,208.60	4,208.60	40.49	72.52	112.56	-5,565.53	1,788.78	6,468.13	6,358.49	109.64	58.993		
4,900.00	4,319.24	4,289.24	4,289.24	41.71	73.93	112.96	-5,565.53	1,788.78	6,495.43	6,383.39	112.04	57.976		
5,000.00	4,399.88	4,369.88	4,369.88	42.93	75.34	113.37	-5,565.53	1,788.78	6,523.15	6,408.72	114.42	57.009		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT JL SEARS 1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INCL-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,480.52	4,450.52	4,450.52	44.15	76.74	113.76	-5,565.53	1,788.78	6,551.28	6,434.48	116.80	56.089		
5,200.00	4,561.16	4,531.16	4,531.16	45.37	78.15	114.16	-5,565.53	1,788.78	6,579.83	6,460.65	119.17	55.212		
5,300.00	4,641.80	4,611.80	4,611.80	46.59	79.56	114.56	-5,565.53	1,788.78	6,608.78	6,487.24	121.54	54.377		
5,400.00	4,722.44	4,707.56	4,692.44	47.82	81.23	114.95	-5,565.53	1,788.78	6,638.13	6,513.98	124.16	53.466		
5,500.00	4,803.08	4,773.08	4,773.08	49.04	82.37	115.34	-5,565.53	1,788.78	6,667.88	6,541.64	126.24	52.820		
5,600.00	4,883.72	4,853.72	4,853.72	50.27	83.78	115.72	-5,565.53	1,788.78	6,698.02	6,569.44	128.58	52.093		
5,700.00	4,964.36	4,934.36	4,934.36	51.49	85.19	116.11	-5,565.53	1,788.78	6,728.54	6,597.63	130.91	51.399		
5,800.00	5,045.00	5,015.00	5,015.00	52.71	86.59	116.49	-5,565.53	1,788.78	6,759.44	6,626.21	133.23	50.734		
5,900.00	5,125.64	5,095.64	5,095.64	53.94	88.00	116.87	-5,565.53	1,788.78	6,790.72	6,655.17	135.55	50.098		
6,000.00	5,206.28	5,125.00	5,125.00	55.17	88.51	117.01	-5,565.53	1,788.78	6,822.56	6,685.63	136.93	49.825		
6,100.00	5,286.92	5,125.00	5,125.00	56.39	88.51	117.01	-5,565.53	1,788.78	6,855.64	6,717.88	137.76	49.766		
6,200.00	5,367.56	5,125.00	5,125.00	57.62	88.51	117.01	-5,565.53	1,788.78	6,890.02	6,751.46	138.56	49.726		
6,300.00	5,448.20	5,125.00	5,125.00	58.84	88.51	117.01	-5,565.53	1,788.78	6,925.67	6,786.34	139.33	49.706		
6,400.00	5,528.84	5,125.00	5,125.00	60.07	88.51	117.01	-5,565.53	1,788.78	6,962.58	6,822.50	140.08	49.705		
6,500.00	5,609.47	5,125.00	5,125.00	61.30	88.51	117.01	-5,565.53	1,788.78	7,000.72	6,859.92	140.80	49.722		
6,600.00	5,690.11	5,125.00	5,125.00	62.53	88.51	117.01	-5,565.53	1,788.78	7,040.07	6,898.59	141.49	49.758		
6,700.00	5,770.75	5,125.00	5,125.00	63.75	88.51	117.01	-5,565.53	1,788.78	7,080.62	6,938.47	142.15	49.810		
6,800.00	5,851.39	5,125.00	5,125.00	64.98	88.51	117.01	-5,565.53	1,788.78	7,122.34	6,979.55	142.79	49.879		
6,900.00	5,932.03	5,125.00	5,125.00	66.21	88.51	117.01	-5,565.53	1,788.78	7,165.22	7,021.81	143.41	49.964		
7,000.00	6,012.67	5,125.00	5,125.00	67.44	88.51	117.01	-5,565.53	1,788.78	7,209.22	7,065.23	144.00	50.065		
7,100.00	6,093.31	5,125.00	5,125.00	68.66	88.51	117.01	-5,565.53	1,788.78	7,254.34	7,109.78	144.56	50.181		
7,200.00	6,173.95	5,125.00	5,125.00	69.89	88.51	117.01	-5,565.53	1,788.78	7,300.55	7,155.45	145.11	50.312		
7,300.00	6,254.59	5,125.00	5,125.00	71.12	88.51	117.01	-5,565.53	1,788.78	7,347.83	7,202.21	145.62	50.457		
7,400.00	6,335.23	5,125.00	5,125.00	72.35	88.51	117.01	-5,565.53	1,788.78	7,396.16	7,250.04	146.12	50.616		
7,500.00	6,415.87	5,125.00	5,125.00	73.58	88.51	117.01	-5,565.53	1,788.78	7,445.52	7,298.92	146.60	50.789		
7,600.00	6,496.51	5,125.00	5,125.00	74.81	88.51	117.01	-5,565.53	1,788.78	7,495.89	7,348.83	147.05	50.975		
7,700.00	6,577.15	5,125.00	5,125.00	76.04	88.51	117.01	-5,565.53	1,788.78	7,547.24	7,399.76	147.48	51.173		
7,800.00	6,657.79	5,125.00	5,125.00	77.27	88.51	117.01	-5,565.53	1,788.78	7,599.57	7,451.67	147.90	51.384		
7,900.00	6,738.43	5,125.00	5,125.00	78.50	88.51	117.01	-5,565.53	1,788.78	7,652.84	7,504.55	148.29	51.607		
8,000.00	6,819.07	5,125.00	5,125.00	79.73	88.51	117.01	-5,565.53	1,788.78	7,707.05	7,558.38	148.67	51.841		
8,100.00	6,899.71	5,125.00	5,125.00	80.96	88.51	117.01	-5,565.53	1,788.78	7,762.16	7,613.13	149.02	52.087		
8,200.00	6,980.35	5,125.00	5,125.00	82.18	88.51	117.01	-5,565.53	1,788.78	7,818.16	7,668.80	149.36	52.343		
8,240.58	7,013.07	5,125.00	5,125.00	82.68	88.51	117.01	-5,565.53	1,788.78	7,841.14	7,691.64	149.50	52.450		
8,250.00	7,020.68	5,125.00	5,125.00	82.80	88.51	115.78	-5,565.53	1,788.78	7,846.43	7,696.90	149.53	52.475		
8,300.00	7,061.63	5,125.00	5,125.00	83.40	88.51	108.86	-5,565.53	1,788.78	7,872.46	7,722.77	149.69	52.591		
8,350.00	7,103.23	5,125.00	5,125.00	83.97	88.51	101.39	-5,565.53	1,788.78	7,894.93	7,745.06	149.86	52.681		
8,400.00	7,145.18	5,125.00	5,125.00	84.51	88.51	93.60	-5,565.53	1,788.78	7,913.69	7,763.66	150.03	52.746		
8,450.00	7,187.16	5,125.00	5,125.00	85.01	88.51	85.81	-5,565.53	1,788.78	7,928.63	7,778.43	150.20	52.787		
8,500.00	7,228.84	5,125.00	5,125.00	85.46	88.51	78.35	-5,565.53	1,788.78	7,939.66	7,789.31	150.36	52.806		
8,550.00	7,269.91	5,125.00	5,125.00	85.86	88.51	71.46	-5,565.53	1,788.78	7,946.71	7,796.21	150.50	52.802		
8,600.00	7,310.05	5,125.00	5,125.00	86.20	88.51	65.32	-5,565.53	1,788.78	7,949.74	7,799.11	150.63	52.777		
8,650.00	7,348.97	5,125.00	5,125.00	86.50	88.51	59.96	-5,565.53	1,788.78	7,948.73	7,797.99	150.74	52.732		
8,700.00	7,386.36	5,125.00	5,125.00	86.74	88.51	55.38	-5,565.53	1,788.78	7,943.69	7,792.86	150.83	52.667		
8,750.00	7,421.94	5,125.00	5,125.00	86.93	88.51	51.51	-5,565.53	1,788.78	7,934.63	7,783.74	150.90	52.583		
8,800.00	7,455.44	5,125.00	5,125.00	87.07	88.51	48.28	-5,565.53	1,788.78	7,921.64	7,770.69	150.95	52.480		
8,850.00	7,486.61	5,125.00	5,125.00	87.16	88.51	45.60	-5,565.53	1,788.78	7,904.77	7,753.79	150.97	52.358		
8,900.00	7,515.20	5,125.00	5,125.00	87.20	88.51	43.42	-5,565.53	1,788.78	7,884.14	7,733.15	150.98	52.219		
8,950.00	7,541.00	5,125.00	5,125.00	87.21	88.51	41.67	-5,565.53	1,788.78	7,859.87	7,708.89	150.97	52.062		
9,000.00	7,563.81	5,125.00	5,125.00	87.17	88.51	40.30	-5,565.53	1,788.78	7,832.11	7,681.17	150.95	51.887		
9,050.00	7,583.47	5,125.00	5,125.00	87.10	88.51	39.29	-5,565.53	1,788.78	7,801.05	7,650.14	150.91	51.695		
9,100.00	7,599.81	5,125.00	5,125.00	87.00	88.51	38.62	-5,565.53	1,788.78	7,766.87	7,616.02	150.85	51.486		
9,150.00	7,612.72	5,125.00	5,125.00	86.88	88.51	38.28	-5,565.53	1,788.78	7,729.81	7,579.01	150.79	51.260		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT JL SEARS 1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INCL-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,622.09	5,125.00	5,125.00	86.72	88.51	38.30	-5,565.53	1,788.78	7,690.09	7,539.36	150.73	51.019		
9,250.00	7,627.87	5,125.00	5,125.00	86.55	88.51	38.72	-5,565.53	1,788.78	7,647.99	7,497.33	150.66	50.762		
9,303.98	7,630.00	5,125.00	5,125.00	86.35	88.51	39.74	-5,565.53	1,788.78	7,600.19	7,449.60	150.60	50.467		
9,400.00	7,630.00	5,125.00	5,125.00	85.99	88.51	39.74	-5,565.53	1,788.78	7,513.32	7,362.84	150.47	49.931		
9,500.00	7,630.00	5,125.00	5,125.00	85.62	88.51	39.74	-5,565.53	1,788.78	7,423.08	7,272.74	150.34	49.374		
9,600.00	7,630.00	5,125.00	5,125.00	85.28	88.51	39.74	-5,565.53	1,788.78	7,333.10	7,182.89	150.21	48.819		
9,700.00	7,630.00	5,125.00	5,125.00	84.95	88.51	39.74	-5,565.53	1,788.78	7,243.38	7,093.31	150.07	48.265		
9,800.00	7,630.00	5,125.00	5,125.00	84.64	88.51	39.74	-5,565.53	1,788.78	7,153.93	7,004.00	149.94	47.713		
9,900.00	7,630.00	5,125.00	5,125.00	84.34	88.51	39.74	-5,565.53	1,788.78	7,064.77	6,914.98	149.79	47.163		
10,000.00	7,630.00	5,125.00	5,125.00	84.06	88.51	39.74	-5,565.53	1,788.78	6,975.90	6,826.25	149.65	46.615		
10,100.00	7,630.00	5,125.00	5,125.00	83.80	88.51	39.74	-5,565.53	1,788.78	6,887.34	6,737.83	149.50	46.068		
10,200.00	7,630.00	5,125.00	5,125.00	83.56	88.51	39.74	-5,565.53	1,788.78	6,799.09	6,649.73	149.35	45.523		
10,300.00	7,630.00	5,125.00	5,125.00	83.33	88.51	39.74	-5,565.53	1,788.78	6,711.17	6,561.97	149.20	44.981		
10,400.00	7,630.00	5,125.00	5,125.00	83.12	88.51	39.74	-5,565.53	1,788.78	6,623.60	6,474.55	149.05	44.440		
10,500.00	7,630.00	5,125.00	5,125.00	82.92	88.51	39.74	-5,565.53	1,788.78	6,536.38	6,387.49	148.89	43.901		
10,600.00	7,630.00	5,125.00	5,125.00	82.75	88.51	39.74	-5,565.53	1,788.78	6,449.53	6,300.81	148.73	43.365		
10,700.00	7,630.00	5,125.00	5,125.00	82.59	88.51	39.74	-5,565.53	1,788.78	6,363.07	6,214.51	148.56	42.832		
10,800.00	7,630.00	5,125.00	5,125.00	82.45	88.51	39.74	-5,565.53	1,788.78	6,277.01	6,128.62	148.39	42.300		
10,900.00	7,630.00	5,125.00	5,125.00	82.33	88.51	39.74	-5,565.53	1,788.78	6,191.37	6,043.15	148.22	41.771		
11,000.00	7,630.00	5,125.00	5,125.00	82.22	88.51	39.74	-5,565.53	1,788.78	6,106.17	5,958.13	148.04	41.245		
11,100.00	7,630.00	5,125.00	5,125.00	82.14	88.51	39.74	-5,565.53	1,788.78	6,021.42	5,873.56	147.87	40.722		
11,200.00	7,630.00	5,125.00	5,125.00	82.08	88.51	39.74	-5,565.53	1,788.78	5,937.15	5,789.47	147.68	40.202		
11,300.00	7,630.00	5,125.00	5,125.00	82.04	88.51	39.74	-5,565.53	1,788.78	5,853.37	5,705.87	147.50	39.685		
11,400.00	7,630.00	5,125.00	5,125.00	82.02	88.51	39.74	-5,565.53	1,788.78	5,770.11	5,622.80	147.31	39.171		
11,500.00	7,630.00	5,125.00	5,125.00	82.03	88.51	39.74	-5,565.53	1,788.78	5,687.39	5,540.27	147.11	38.660		
11,600.00	7,630.00	5,125.00	5,125.00	82.06	88.51	39.74	-5,565.53	1,788.78	5,605.23	5,458.31	146.92	38.153		
11,700.00	7,630.00	5,125.00	5,125.00	82.12	88.51	39.74	-5,565.53	1,788.78	5,523.66	5,376.94	146.71	37.649		
11,800.00	7,630.00	5,125.00	5,125.00	82.21	88.51	39.74	-5,565.53	1,788.78	5,442.70	5,296.19	146.51	37.149		
11,900.00	7,630.00	5,125.00	5,125.00	82.33	88.51	39.74	-5,565.53	1,788.78	5,362.39	5,216.09	146.30	36.654		
12,000.00	7,630.00	5,125.00	5,125.00	82.48	88.51	39.74	-5,565.53	1,788.78	5,282.75	5,136.66	146.09	36.162		
12,100.00	7,630.00	5,125.00	5,125.00	82.66	88.51	39.74	-5,565.53	1,788.78	5,203.81	5,057.94	145.87	35.675		
12,200.00	7,630.00	5,125.00	5,125.00	82.88	88.51	39.74	-5,565.53	1,788.78	5,125.61	4,979.96	145.65	35.192		
12,300.00	7,630.00	5,125.00	5,125.00	83.14	88.51	39.74	-5,565.53	1,788.78	5,048.17	4,902.75	145.42	34.714		
12,400.00	7,630.00	5,125.00	5,125.00	83.44	88.51	39.74	-5,565.53	1,788.78	4,971.55	4,826.35	145.19	34.241		
12,500.00	7,630.00	5,125.00	5,125.00	83.79	88.51	39.74	-5,565.53	1,788.78	4,895.76	4,750.80	144.96	33.773		
12,600.00	7,630.00	5,125.00	5,125.00	84.18	88.51	39.74	-5,565.53	1,788.78	4,820.86	4,676.13	144.73	33.310		
12,700.00	7,630.00	5,125.00	5,125.00	84.61	88.51	39.74	-5,565.53	1,788.78	4,746.88	4,602.40	144.49	32.853		
12,800.00	7,630.00	5,125.00	5,125.00	85.10	88.51	39.74	-5,565.53	1,788.78	4,673.88	4,529.63	144.24	32.403		
12,900.00	7,630.00	5,125.00	5,125.00	85.64	88.51	39.74	-5,565.53	1,788.78	4,601.88	4,457.88	144.00	31.958		
13,000.00	7,630.00	5,125.00	5,125.00	86.22	88.51	39.74	-5,565.53	1,788.78	4,530.95	4,387.20	143.75	31.519		
13,100.00	7,630.00	5,125.00	5,125.00	86.86	88.51	39.74	-5,565.53	1,788.78	4,461.14	4,317.64	143.50	31.088		
13,200.00	7,630.00	5,125.00	5,125.00	87.56	88.51	39.74	-5,565.53	1,788.78	4,392.49	4,249.24	143.25	30.663		
13,300.00	7,630.00	5,125.00	5,125.00	88.30	88.51	39.74	-5,565.53	1,788.78	4,325.06	4,182.07	143.00	30.246		
13,400.00	7,630.00	5,125.00	5,125.00	89.10	88.51	39.74	-5,565.53	1,788.78	4,258.92	4,116.18	142.74	29.837		
13,500.00	7,630.00	5,125.00	5,125.00	89.94	88.51	39.74	-5,565.53	1,788.78	4,194.12	4,051.63	142.49	29.435		
13,600.00	7,630.00	5,125.00	5,125.00	90.84	88.51	39.74	-5,565.53	1,788.78	4,130.72	3,988.48	142.23	29.042		
13,700.00	7,630.00	5,125.00	5,125.00	91.78	88.51	39.74	-5,565.53	1,788.78	4,068.79	3,926.81	141.98	28.657		
13,800.00	7,630.00	5,125.00	5,125.00	92.77	88.51	39.74	-5,565.53	1,788.78	4,008.40	3,866.66	141.73	28.282		
13,900.00	7,630.00	5,125.00	5,125.00	93.79	88.51	39.74	-5,565.53	1,788.78	3,949.61	3,808.13	141.48	27.915		
14,000.00	7,630.00	5,125.00	5,125.00	94.86	88.51	39.74	-5,565.53	1,788.78	3,892.51	3,751.27	141.24	27.559		
14,100.00	7,630.00	5,125.00	5,125.00	95.97	88.51	39.74	-5,565.53	1,788.78	3,837.17	3,696.16	141.01	27.213		
14,200.00	7,630.00	5,125.00	5,125.00	97.11	88.51	39.74	-5,565.53	1,788.78	3,783.66	3,642.88	140.78	26.877		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT JL SEARS 1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,630.00	5,125.00	5,125.00	98.28	88.51	39.74	-5,565.53	1,788.78	3,732.06	3,591.50	140.56	26.551		
14,400.00	7,630.00	5,125.00	5,125.00	99.48	88.51	39.74	-5,565.53	1,788.78	3,682.46	3,542.11	140.35	26.237		
14,500.00	7,630.00	5,125.00	5,125.00	100.72	88.51	39.74	-5,565.53	1,788.78	3,634.93	3,494.77	140.16	25.934		
14,600.00	7,630.00	5,125.00	5,125.00	101.97	88.51	39.74	-5,565.53	1,788.78	3,589.56	3,449.58	139.98	25.643		
14,700.00	7,630.00	5,125.00	5,125.00	103.26	88.51	39.74	-5,565.53	1,788.78	3,546.43	3,406.60	139.82	25.364		
14,800.00	7,630.00	5,125.00	5,125.00	104.56	88.51	39.74	-5,565.53	1,788.78	3,505.62	3,365.93	139.68	25.097		
14,900.00	7,630.00	5,125.00	5,125.00	105.89	88.51	39.74	-5,565.53	1,788.78	3,467.21	3,327.64	139.57	24.842		
15,000.00	7,630.00	5,125.00	5,125.00	107.24	88.51	39.74	-5,565.53	1,788.78	3,431.29	3,291.81	139.49	24.600		
15,100.00	7,630.00	5,125.00	5,125.00	108.60	88.51	39.74	-5,565.53	1,788.78	3,397.94	3,258.51	139.43	24.370		
15,200.00	7,630.00	5,125.00	5,125.00	109.98	88.51	39.74	-5,565.53	1,788.78	3,367.23	3,227.81	139.41	24.153		
15,300.00	7,630.00	5,125.00	5,125.00	111.38	88.51	39.74	-5,565.53	1,788.78	3,339.22	3,199.80	139.43	23.949		
15,400.00	7,630.00	5,125.00	5,125.00	112.79	88.51	39.74	-5,565.53	1,788.78	3,314.00	3,174.52	139.49	23.758		
15,500.00	7,630.00	5,125.00	5,125.00	114.22	88.51	39.74	-5,565.53	1,788.78	3,291.63	3,152.04	139.59	23.581		
15,600.00	7,630.00	5,125.00	5,125.00	115.66	88.51	39.74	-5,565.53	1,788.78	3,272.16	3,132.42	139.74	23.416		
15,700.00	7,630.00	5,125.00	5,125.00	117.11	88.51	39.74	-5,565.53	1,788.78	3,255.65	3,115.71	139.94	23.264		
15,800.00	7,630.00	5,125.00	5,125.00	118.57	88.51	39.74	-5,565.53	1,788.78	3,242.14	3,101.95	140.19	23.126		
15,900.00	7,630.00	5,125.00	5,125.00	120.05	88.51	39.74	-5,565.53	1,788.78	3,231.67	3,091.17	140.50	23.002		
16,000.00	7,630.00	5,125.00	5,125.00	121.53	88.51	39.74	-5,565.53	1,788.78	3,224.27	3,083.41	140.86	22.890		
16,100.00	7,630.00	5,125.00	5,125.00	123.03	88.51	39.74	-5,565.53	1,788.78	3,219.96	3,078.69	141.27	22.793		
16,188.94	7,630.00	5,125.00	5,125.00	124.36	88.51	39.74	-5,565.53	1,788.78	3,218.73	3,077.05	141.68	22.718 CC		
16,200.00	7,630.00	5,125.00	5,125.00	124.53	88.51	39.74	-5,565.53	1,788.78	3,218.75	3,077.01	141.73	22.710 ES		
16,300.00	7,630.00	5,125.00	5,125.00	126.04	88.51	39.74	-5,565.53	1,788.78	3,220.64	3,078.39	142.25	22.641		
16,400.00	7,630.00	5,125.00	5,125.00	127.56	88.51	39.74	-5,565.53	1,788.78	3,225.64	3,082.83	142.81	22.587		
16,500.00	7,630.00	5,125.00	5,125.00	129.09	88.51	39.74	-5,565.53	1,788.78	3,233.72	3,090.30	143.42	22.547		
16,600.00	7,630.00	5,125.00	5,125.00	130.62	88.51	39.74	-5,565.53	1,788.78	3,244.87	3,100.80	144.07	22.523		
16,700.00	7,630.00	5,125.00	5,125.00	132.16	88.51	39.74	-5,565.53	1,788.78	3,259.05	3,114.30	144.75	22.515 SF		
16,800.00	7,630.00	5,125.00	5,125.00	133.71	88.51	39.74	-5,565.53	1,788.78	3,276.22	3,130.76	145.46	22.523		
16,900.00	7,630.00	5,125.00	5,125.00	135.27	88.51	39.74	-5,565.53	1,788.78	3,296.33	3,150.14	146.19	22.548		
17,000.00	7,630.00	5,125.00	5,125.00	136.83	88.51	39.74	-5,565.53	1,788.78	3,319.34	3,172.39	146.95	22.588		
17,100.00	7,630.00	5,125.00	5,125.00	138.39	88.51	39.74	-5,565.53	1,788.78	3,345.18	3,197.47	147.71	22.646		
17,200.00	7,630.00	5,125.00	5,125.00	139.97	88.51	39.74	-5,565.53	1,788.78	3,373.79	3,225.30	148.49	22.721		
17,300.00	7,630.00	5,125.00	5,125.00	141.54	88.51	39.74	-5,565.53	1,788.78	3,405.09	3,255.83	149.26	22.813		
17,400.00	7,630.00	5,125.00	5,125.00	143.12	88.51	39.74	-5,565.53	1,788.78	3,439.02	3,288.99	150.03	22.922		
17,500.00	7,630.00	5,125.00	5,125.00	144.71	88.51	39.74	-5,565.53	1,788.78	3,475.50	3,324.70	150.80	23.048		
17,600.00	7,630.00	5,125.00	5,125.00	146.30	88.51	39.74	-5,565.53	1,788.78	3,514.44	3,362.89	151.55	23.190		
17,700.00	7,630.00	5,125.00	5,125.00	147.90	88.51	39.74	-5,565.53	1,788.78	3,555.77	3,403.48	152.29	23.349		
17,800.00	7,630.00	5,125.00	5,125.00	149.50	88.51	39.74	-5,565.53	1,788.78	3,599.40	3,446.40	153.01	23.525		
17,900.00	7,630.00	5,125.00	5,125.00	151.10	88.51	39.74	-5,565.53	1,788.78	3,645.26	3,491.56	153.70	23.716		
18,000.00	7,630.00	5,125.00	5,125.00	152.71	88.51	39.74	-5,565.53	1,788.78	3,693.26	3,538.88	154.38	23.923		
18,100.00	7,630.00	5,125.00	5,125.00	154.32	88.51	39.74	-5,565.53	1,788.78	3,743.31	3,588.28	155.03	24.145		
18,200.00	7,630.00	5,125.00	5,125.00	155.94	88.51	39.74	-5,565.53	1,788.78	3,795.33	3,639.68	155.66	24.382		
18,300.00	7,630.00	5,125.00	5,125.00	157.56	88.51	39.74	-5,565.53	1,788.78	3,849.26	3,693.00	156.26	24.634		
18,400.00	7,630.00	5,125.00	5,125.00	159.18	88.51	39.74	-5,565.53	1,788.78	3,904.99	3,748.16	156.84	24.899		
18,500.00	7,630.00	5,125.00	5,125.00	160.80	88.51	39.74	-5,565.53	1,788.78	3,962.47	3,805.09	157.38	25.177		
18,600.00	7,630.00	5,125.00	5,125.00	162.43	88.51	39.74	-5,565.53	1,788.78	4,021.62	3,863.71	157.91	25.468		
18,700.00	7,630.00	5,125.00	5,125.00	164.06	88.51	39.74	-5,565.53	1,788.78	4,082.35	3,923.95	158.40	25.772		
18,800.00	7,630.00	5,125.00	5,125.00	165.70	88.51	39.74	-5,565.53	1,788.78	4,144.61	3,985.74	158.88	26.087		
18,900.00	7,630.00	5,125.00	5,125.00	167.33	88.51	39.74	-5,565.53	1,788.78	4,208.33	4,049.01	159.32	26.414		
19,000.00	7,630.00	5,125.00	5,125.00	168.97	88.51	39.74	-5,565.53	1,788.78	4,273.44	4,113.69	159.75	26.751		
19,021.79	7,630.00	5,125.00	5,125.00	169.33	88.51	39.74	-5,565.53	1,788.78	4,287.80	4,127.96	159.84	26.826		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT JL SEARS 2 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	150.66	-5,536.99	3,112.92	6,352.12					
100.00	100.00	70.00	70.00	0.13	0.57	150.66	-5,536.99	3,112.92	6,352.05	6,351.35	0.70	9,041.645		
200.00	200.00	170.00	170.00	0.49	2.03	150.66	-5,536.99	3,112.92	6,352.05	6,349.52	2.53	2,514.460		
300.00	300.00	270.00	270.00	0.85	3.78	150.66	-5,536.99	3,112.92	6,352.05	6,347.42	4.63	1,371.930		
400.00	400.00	370.00	370.00	1.21	5.52	150.66	-5,536.99	3,112.92	6,352.05	6,345.31	6.73	943.307		
500.00	500.00	470.00	470.00	1.57	7.27	150.66	-5,536.99	3,112.92	6,352.05	6,343.21	8.84	718.752		
600.00	600.00	570.00	570.00	1.93	9.01	150.66	-5,536.99	3,112.92	6,352.05	6,341.11	10.94	580.551		
700.00	700.00	670.00	670.00	2.29	10.76	150.66	-5,536.99	3,112.92	6,352.05	6,339.00	13.05	486.926		
800.00	799.98	769.98	769.98	2.64	12.50	88.89	-5,536.99	3,112.92	6,352.01	6,336.87	15.14	419.429		
900.00	899.84	869.84	869.84	2.99	14.25	88.93	-5,536.99	3,112.92	6,351.91	6,334.67	17.24	368.429		
1,000.00	999.45	969.45	969.45	3.35	15.99	89.02	-5,536.99	3,112.92	6,351.76	6,332.42	19.34	328.436		
1,100.00	1,098.70	1,068.70	1,068.70	3.73	17.72	89.13	-5,536.99	3,112.92	6,351.56	6,330.12	21.44	296.202		
1,200.00	1,197.47	1,167.47	1,167.47	4.11	19.44	89.27	-5,536.99	3,112.92	6,351.34	6,327.78	23.56	269.632		
1,300.00	1,295.62	1,265.62	1,265.62	4.53	21.16	89.45	-5,536.99	3,112.92	6,351.12	6,325.44	25.68	247.319		
1,400.00	1,393.06	1,363.06	1,363.06	4.97	22.86	89.65	-5,536.99	3,112.92	6,350.94	6,323.12	27.82	228.285		
1,500.00	1,489.64	1,459.64	1,459.64	5.44	24.54	89.88	-5,536.99	3,112.92	6,350.83	6,320.85	29.98	211.833		
1,550.64	1,538.20	1,508.20	1,508.20	5.70	25.39	90.00	-5,536.99	3,112.92	6,350.81	6,319.72	31.09	204.288		
1,600.00	1,585.27	1,555.27	1,555.27	5.95	26.21	90.13	-5,536.99	3,112.92	6,350.83	6,318.66	32.16	197.451		
1,700.00	1,679.82	1,649.82	1,649.82	6.51	27.86	90.40	-5,536.99	3,112.92	6,350.99	6,316.61	34.37	184.758		
1,800.00	1,773.17	1,743.17	1,743.17	7.13	29.49	90.70	-5,536.99	3,112.92	6,351.36	6,314.74	36.61	173.464		
1,900.00	1,865.21	1,835.21	1,835.21	7.79	31.10	91.01	-5,536.99	3,112.92	6,351.99	6,313.10	38.89	163.345		
2,000.00	1,955.84	1,925.84	1,925.84	8.51	32.68	91.33	-5,536.99	3,112.92	6,352.94	6,311.75	41.19	154.223		
2,100.00	2,044.94	2,014.94	2,014.94	9.30	34.23	91.67	-5,536.99	3,112.92	6,354.28	6,310.75	43.53	145.960		
2,200.00	2,132.39	2,102.39	2,102.39	10.15	35.76	92.02	-5,536.99	3,112.92	6,356.07	6,310.16	45.91	138.442		
2,300.00	2,218.11	2,188.11	2,188.11	11.07	37.26	92.37	-5,536.99	3,112.92	6,358.37	6,310.05	48.32	131.577		
2,400.00	2,301.97	2,271.97	2,271.97	12.06	38.72	92.72	-5,536.99	3,112.92	6,361.26	6,310.48	50.77	125.289		
2,500.00	2,383.88	2,353.88	2,353.88	13.11	40.15	93.08	-5,536.99	3,112.92	6,364.80	6,311.54	53.26	119.513		
2,512.74	2,394.17	2,364.17	2,364.17	13.25	40.33	93.12	-5,536.99	3,112.92	6,365.30	6,311.73	53.57	118.813		
2,600.00	2,464.54	2,434.54	2,434.54	14.22	41.56	93.49	-5,536.99	3,112.92	6,368.99	6,313.22	55.77	114.208		
2,700.00	2,545.18	2,515.18	2,515.18	15.35	42.96	93.92	-5,536.99	3,112.92	6,373.73	6,315.43	58.30	109.335		
2,800.00	2,625.82	2,604.18	2,595.82	16.50	44.52	94.35	-5,536.99	3,112.92	6,379.01	6,318.03	60.98	104.604		
2,900.00	2,706.45	2,676.45	2,676.45	17.65	45.78	94.78	-5,536.99	3,112.92	6,384.84	6,321.45	63.39	100.728		
3,000.00	2,787.09	2,757.09	2,757.09	18.82	47.19	95.21	-5,536.99	3,112.92	6,391.21	6,325.26	65.94	96.918		
3,100.00	2,867.73	2,837.73	2,837.73	19.99	48.59	95.63	-5,536.99	3,112.92	6,398.11	6,329.61	68.51	93.394		
3,200.00	2,948.37	2,918.37	2,918.37	21.17	50.00	96.06	-5,536.99	3,112.92	6,405.56	6,334.49	71.07	90.127		
3,300.00	3,029.01	3,000.99	2,999.01	22.36	51.44	96.48	-5,536.99	3,112.92	6,413.54	6,339.87	73.67	87.052		
3,400.00	3,109.65	3,079.65	3,079.65	23.55	52.82	96.91	-5,536.99	3,112.92	6,422.06	6,345.85	76.21	84.269		
3,500.00	3,190.29	3,160.29	3,160.29	24.74	54.22	97.33	-5,536.99	3,112.92	6,431.11	6,352.34	78.78	81.637		
3,600.00	3,270.93	3,240.93	3,240.93	25.94	55.63	97.75	-5,536.99	3,112.92	6,440.69	6,359.35	81.35	79.177		
3,700.00	3,351.57	3,321.57	3,321.57	27.14	57.04	98.18	-5,536.99	3,112.92	6,450.80	6,366.89	83.91	76.876		
3,800.00	3,432.21	3,402.21	3,402.21	28.35	58.45	98.60	-5,536.99	3,112.92	6,461.44	6,374.96	86.48	74.720		
3,900.00	3,512.85	3,482.85	3,482.85	29.56	59.85	99.02	-5,536.99	3,112.92	6,472.59	6,383.56	89.04	72.695		
4,000.00	3,593.49	3,563.49	3,563.49	30.76	61.26	99.44	-5,536.99	3,112.92	6,484.27	6,392.68	91.60	70.792		
4,100.00	3,674.13	3,644.13	3,644.13	31.97	62.67	99.85	-5,536.99	3,112.92	6,496.47	6,402.32	94.15	69.001		
4,200.00	3,754.77	3,724.77	3,724.77	33.19	64.08	100.27	-5,536.99	3,112.92	6,509.18	6,412.47	96.70	67.312		
4,300.00	3,835.41	3,805.41	3,805.41	34.40	65.48	100.69	-5,536.99	3,112.92	6,522.40	6,423.15	99.25	65.718		
4,400.00	3,916.05	3,886.05	3,886.05	35.62	66.89	101.10	-5,536.99	3,112.92	6,536.13	6,434.33	101.79	64.211		
4,500.00	3,996.69	3,966.69	3,966.69	36.83	68.30	101.52	-5,536.99	3,112.92	6,550.36	6,446.03	104.33	62.786		
4,600.00	4,077.33	4,047.33	4,047.33	38.05	69.71	101.93	-5,536.99	3,112.92	6,565.10	6,458.24	106.86	61.436		
4,700.00	4,157.96	4,127.96	4,127.96	39.27	71.11	102.34	-5,536.99	3,112.92	6,580.33	6,470.94	109.39	60.157		
4,800.00	4,238.60	4,208.60	4,208.60	40.49	72.52	102.75	-5,536.99	3,112.92	6,596.06	6,484.15	111.91	58.942		
4,900.00	4,319.24	4,289.24	4,289.24	41.71	73.93	103.16	-5,536.99	3,112.92	6,612.28	6,497.86	114.42	57.789		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT JL SEARS 2 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	4,399.88	4,369.88	4,369.88	42.93	75.34	103.56	-5,536.99	3,112.92	6,628.99	6,512.06	116.93	56.692		
5,100.00	4,480.52	4,450.52	4,450.52	44.15	76.74	103.97	-5,536.99	3,112.92	6,646.18	6,526.75	119.43	55.648		
5,200.00	4,561.16	4,531.16	4,531.16	45.37	78.15	104.38	-5,536.99	3,112.92	6,663.86	6,541.93	121.93	54.654		
5,300.00	4,641.80	4,611.80	4,611.80	46.59	79.56	104.78	-5,536.99	3,112.92	6,682.01	6,557.59	124.42	53.706		
5,400.00	4,722.44	4,707.56	4,692.44	47.82	81.23	105.18	-5,536.99	3,112.92	6,700.63	6,573.47	127.16	52.693		
5,500.00	4,803.08	4,773.08	4,773.08	49.04	82.37	105.58	-5,536.99	3,112.92	6,719.72	6,590.35	129.38	51.940		
5,600.00	4,883.72	4,853.72	4,853.72	50.27	83.78	105.98	-5,536.99	3,112.92	6,739.28	6,607.43	131.84	51.116		
5,700.00	4,964.36	4,934.36	4,934.36	51.49	85.19	106.37	-5,536.99	3,112.92	6,759.30	6,624.99	134.31	50.328		
5,800.00	5,045.00	5,015.00	5,015.00	52.71	86.59	106.77	-5,536.99	3,112.92	6,779.77	6,643.01	136.76	49.575		
5,900.00	5,125.64	5,104.36	5,095.64	53.94	88.15	107.16	-5,536.99	3,112.92	6,800.70	6,661.34	139.36	48.800		
6,000.00	5,206.28	5,148.00	5,148.00	55.17	88.92	107.42	-5,536.99	3,112.92	6,822.13	6,680.99	141.14	48.336		
6,100.00	5,286.92	5,148.00	5,148.00	56.39	88.92	107.42	-5,536.99	3,112.92	6,844.76	6,702.64	142.12	48.162		
6,200.00	5,367.56	5,148.00	5,148.00	57.62	88.92	107.42	-5,536.99	3,112.92	6,868.77	6,725.70	143.07	48.009		
6,300.00	5,448.20	5,148.00	5,148.00	58.84	88.92	107.42	-5,536.99	3,112.92	6,894.15	6,750.15	143.99	47.878		
6,400.00	5,528.84	5,148.00	5,148.00	60.07	88.92	107.42	-5,536.99	3,112.92	6,920.87	6,775.99	144.89	47.767		
6,500.00	5,609.47	5,148.00	5,148.00	61.30	88.92	107.42	-5,536.99	3,112.92	6,948.94	6,803.18	145.75	47.676		
6,600.00	5,690.11	5,148.00	5,148.00	62.53	88.92	107.42	-5,536.99	3,112.92	6,978.32	6,831.73	146.59	47.603		
6,700.00	5,770.75	5,148.00	5,148.00	63.75	88.92	107.42	-5,536.99	3,112.92	7,009.01	6,861.61	147.40	47.550		
6,800.00	5,851.39	5,148.00	5,148.00	64.98	88.92	107.42	-5,536.99	3,112.92	7,040.99	6,892.80	148.19	47.515		
6,900.00	5,932.03	5,148.00	5,148.00	66.21	88.92	107.42	-5,536.99	3,112.92	7,074.23	6,925.29	148.94	47.497		
7,000.00	6,012.67	5,148.00	5,148.00	67.44	88.92	107.42	-5,536.99	3,112.92	7,108.73	6,959.06	149.67	47.497		
7,100.00	6,093.31	5,148.00	5,148.00	68.66	88.92	107.42	-5,536.99	3,112.92	7,144.46	6,994.09	150.37	47.513		
7,200.00	6,173.95	5,148.00	5,148.00	69.89	88.92	107.42	-5,536.99	3,112.92	7,181.40	7,030.36	151.04	47.545		
7,300.00	6,254.59	5,148.00	5,148.00	71.12	88.92	107.42	-5,536.99	3,112.92	7,219.54	7,067.85	151.69	47.593		
7,400.00	6,335.23	5,148.00	5,148.00	72.35	88.92	107.42	-5,536.99	3,112.92	7,258.86	7,106.54	152.32	47.657		
7,500.00	6,415.87	5,148.00	5,148.00	73.58	88.92	107.42	-5,536.99	3,112.92	7,299.33	7,146.42	152.91	47.735		
7,600.00	6,496.51	5,148.00	5,148.00	74.81	88.92	107.42	-5,536.99	3,112.92	7,340.95	7,187.46	153.49	47.828		
7,700.00	6,577.15	5,148.00	5,148.00	76.04	88.92	107.42	-5,536.99	3,112.92	7,383.68	7,229.65	154.04	47.935		
7,800.00	6,657.79	5,148.00	5,148.00	77.27	88.92	107.42	-5,536.99	3,112.92	7,427.52	7,272.96	154.56	48.055		
7,900.00	6,738.43	5,148.00	5,148.00	78.50	88.92	107.42	-5,536.99	3,112.92	7,472.43	7,317.37	155.07	48.189		
8,000.00	6,819.07	5,148.00	5,148.00	79.73	88.92	107.42	-5,536.99	3,112.92	7,518.41	7,362.87	155.55	48.336		
8,100.00	6,899.71	5,148.00	5,148.00	80.96	88.92	107.42	-5,536.99	3,112.92	7,565.43	7,409.43	156.00	48.495		
8,200.00	6,980.35	5,148.00	5,148.00	82.18	88.92	107.42	-5,536.99	3,112.92	7,613.48	7,457.03	156.44	48.666		
8,240.58	7,013.07	5,148.00	5,148.00	82.68	88.92	107.42	-5,536.99	3,112.92	7,633.26	7,476.65	156.61	48.739		
8,250.00	7,020.68	5,148.00	5,148.00	82.80	88.92	106.28	-5,536.99	3,112.92	7,637.81	7,481.16	156.65	48.756		
8,300.00	7,061.63	5,148.00	5,148.00	83.40	88.92	99.80	-5,536.99	3,112.92	7,659.81	7,502.95	156.86	48.832		
8,350.00	7,103.23	5,148.00	5,148.00	83.97	88.92	92.66	-5,536.99	3,112.92	7,678.12	7,521.06	157.06	48.885		
8,400.00	7,145.18	5,148.00	5,148.00	84.51	88.92	85.13	-5,536.99	3,112.92	7,692.62	7,535.36	157.26	48.916		
8,450.00	7,187.16	5,148.00	5,148.00	85.01	88.92	77.52	-5,536.99	3,112.92	7,703.22	7,545.78	157.44	48.927		
8,500.00	7,228.84	5,148.00	5,148.00	85.46	88.92	70.18	-5,536.99	3,112.92	7,709.86	7,552.25	157.61	48.918		
8,550.00	7,269.91	5,148.00	5,148.00	85.86	88.92	63.35	-5,536.99	3,112.92	7,712.50	7,554.75	157.75	48.890		
8,600.00	7,310.05	5,148.00	5,148.00	86.20	88.92	57.21	-5,536.99	3,112.92	7,711.12	7,553.24	157.87	48.844		
8,650.00	7,348.97	5,148.00	5,148.00	86.50	88.92	51.80	-5,536.99	3,112.92	7,705.73	7,547.76	157.97	48.781		
8,700.00	7,386.36	5,148.00	5,148.00	86.74	88.92	47.10	-5,536.99	3,112.92	7,696.36	7,538.32	158.03	48.701		
8,750.00	7,421.94	5,148.00	5,148.00	86.93	88.92	43.05	-5,536.99	3,112.92	7,683.07	7,525.00	158.07	48.604		
8,800.00	7,455.44	5,148.00	5,148.00	87.07	88.92	39.57	-5,536.99	3,112.92	7,665.94	7,507.85	158.09	48.492		
8,850.00	7,486.61	5,148.00	5,148.00	87.16	88.92	36.57	-5,536.99	3,112.92	7,645.08	7,487.00	158.08	48.363		
8,900.00	7,515.20	5,148.00	5,148.00	87.20	88.92	33.96	-5,536.99	3,112.92	7,620.61	7,462.57	158.04	48.219		
8,950.00	7,541.00	5,148.00	5,148.00	87.21	88.92	31.67	-5,536.99	3,112.92	7,592.69	7,434.71	157.99	48.059		
9,000.00	7,563.81	5,148.00	5,148.00	87.17	88.92	29.62	-5,536.99	3,112.92	7,561.50	7,403.58	157.91	47.884		
9,050.00	7,583.47	5,148.00	5,148.00	87.10	88.92	27.75	-5,536.99	3,112.92	7,527.22	7,369.39	157.82	47.694		
9,100.00	7,599.81	5,148.00	5,148.00	87.00	88.92	25.97	-5,536.99	3,112.92	7,490.08	7,332.36	157.72	47.489		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT JL SEARS 2 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,150.00	7,612.72	5,148.00	5,148.00	86.88	88.92	24.18	-5,536.99	3,112.92	7,450.33	7,292.72	157.61	47.270		
9,200.00	7,622.09	5,148.00	5,148.00	86.72	88.92	22.25	-5,536.99	3,112.92	7,408.23	7,250.73	157.50	47.038		
9,250.00	7,627.87	5,148.00	5,148.00	86.55	88.92	19.97	-5,536.99	3,112.92	7,364.05	7,206.67	157.38	46.792		
9,303.98	7,630.00	5,148.00	5,148.00	86.35	88.92	16.66	-5,536.99	3,112.92	7,314.38	7,157.13	157.26	46.512		
9,400.00	7,630.00	5,148.00	5,148.00	85.99	88.92	16.66	-5,536.99	3,112.92	7,224.51	7,067.47	157.04	46.004		
9,500.00	7,630.00	5,148.00	5,148.00	85.62	88.92	16.66	-5,536.99	3,112.92	7,131.08	6,974.27	156.81	45.476		
9,600.00	7,630.00	5,148.00	5,148.00	85.28	88.92	16.66	-5,536.99	3,112.92	7,037.84	6,881.27	156.57	44.951		
9,700.00	7,630.00	5,148.00	5,148.00	84.95	88.92	16.66	-5,536.99	3,112.92	6,944.78	6,788.46	156.32	44.427		
9,800.00	7,630.00	5,148.00	5,148.00	84.64	88.92	16.66	-5,536.99	3,112.92	6,851.92	6,695.85	156.06	43.905		
9,900.00	7,630.00	5,148.00	5,148.00	84.34	88.92	16.66	-5,536.99	3,112.92	6,759.26	6,603.46	155.80	43.385		
10,000.00	7,630.00	5,148.00	5,148.00	84.06	88.92	16.66	-5,536.99	3,112.92	6,666.81	6,511.29	155.52	42.867		
10,100.00	7,630.00	5,148.00	5,148.00	83.80	88.92	16.66	-5,536.99	3,112.92	6,574.59	6,419.35	155.24	42.350		
10,200.00	7,630.00	5,148.00	5,148.00	83.56	88.92	16.66	-5,536.99	3,112.92	6,482.59	6,327.64	154.95	41.837		
10,300.00	7,630.00	5,148.00	5,148.00	83.33	88.92	16.66	-5,536.99	3,112.92	6,390.84	6,236.19	154.65	41.325		
10,400.00	7,630.00	5,148.00	5,148.00	83.12	88.92	16.66	-5,536.99	3,112.92	6,299.34	6,145.00	154.33	40.816		
10,500.00	7,630.00	5,148.00	5,148.00	82.92	88.92	16.66	-5,536.99	3,112.92	6,208.09	6,054.08	154.01	40.309		
10,600.00	7,630.00	5,148.00	5,148.00	82.75	88.92	16.66	-5,536.99	3,112.92	6,117.13	5,963.45	153.68	39.806		
10,700.00	7,630.00	5,148.00	5,148.00	82.59	88.92	16.66	-5,536.99	3,112.92	6,026.45	5,873.12	153.33	39.304		
10,800.00	7,630.00	5,148.00	5,148.00	82.45	88.92	16.66	-5,536.99	3,112.92	5,936.07	5,783.10	152.97	38.806		
10,900.00	7,630.00	5,148.00	5,148.00	82.33	88.92	16.66	-5,536.99	3,112.92	5,846.00	5,693.40	152.59	38.311		
11,000.00	7,630.00	5,148.00	5,148.00	82.22	88.92	16.66	-5,536.99	3,112.92	5,756.26	5,604.05	152.20	37.819		
11,100.00	7,630.00	5,148.00	5,148.00	82.14	88.92	16.66	-5,536.99	3,112.92	5,666.86	5,515.06	151.80	37.331		
11,200.00	7,630.00	5,148.00	5,148.00	82.08	88.92	16.66	-5,536.99	3,112.92	5,577.82	5,426.44	151.38	36.846		
11,300.00	7,630.00	5,148.00	5,148.00	82.04	88.92	16.66	-5,536.99	3,112.92	5,489.16	5,338.22	150.95	36.365		
11,400.00	7,630.00	5,148.00	5,148.00	82.02	88.92	16.66	-5,536.99	3,112.92	5,400.90	5,250.41	150.49	35.888		
11,500.00	7,630.00	5,148.00	5,148.00	82.03	88.92	16.66	-5,536.99	3,112.92	5,313.05	5,163.03	150.02	35.415		
11,600.00	7,630.00	5,148.00	5,148.00	82.06	88.92	16.66	-5,536.99	3,112.92	5,225.64	5,076.11	149.53	34.946		
11,700.00	7,630.00	5,148.00	5,148.00	82.12	88.92	16.66	-5,536.99	3,112.92	5,138.69	4,989.67	149.02	34.482		
11,800.00	7,630.00	5,148.00	5,148.00	82.21	88.92	16.66	-5,536.99	3,112.92	5,052.23	4,903.73	148.49	34.023		
11,900.00	7,630.00	5,148.00	5,148.00	82.33	88.92	16.66	-5,536.99	3,112.92	4,966.27	4,818.32	147.94	33.569		
12,000.00	7,630.00	5,148.00	5,148.00	82.48	88.92	16.66	-5,536.99	3,112.92	4,880.84	4,733.48	147.36	33.121		
12,100.00	7,630.00	5,148.00	5,148.00	82.66	88.92	16.66	-5,536.99	3,112.92	4,795.98	4,649.21	146.76	32.678		
12,200.00	7,630.00	5,148.00	5,148.00	82.88	88.92	16.66	-5,536.99	3,112.92	4,711.71	4,565.57	146.14	32.242		
12,300.00	7,630.00	5,148.00	5,148.00	83.14	88.92	16.66	-5,536.99	3,112.92	4,628.07	4,482.59	145.48	31.811		
12,400.00	7,630.00	5,148.00	5,148.00	83.44	88.92	16.66	-5,536.99	3,112.92	4,545.09	4,400.29	144.80	31.388		
12,500.00	7,630.00	5,148.00	5,148.00	83.79	88.92	16.66	-5,536.99	3,112.92	4,462.81	4,318.72	144.09	30.972		
12,600.00	7,630.00	5,148.00	5,148.00	84.18	88.92	16.66	-5,536.99	3,112.92	4,381.26	4,237.91	143.35	30.563		
12,700.00	7,630.00	5,148.00	5,148.00	84.61	88.92	16.66	-5,536.99	3,112.92	4,300.50	4,157.92	142.58	30.163		
12,800.00	7,630.00	5,148.00	5,148.00	85.10	88.92	16.66	-5,536.99	3,112.92	4,220.56	4,078.79	141.77	29.771		
12,900.00	7,630.00	5,148.00	5,148.00	85.64	88.92	16.66	-5,536.99	3,112.92	4,141.49	4,000.56	140.92	29.388		
13,000.00	7,630.00	5,148.00	5,148.00	86.22	88.92	16.66	-5,536.99	3,112.92	4,063.34	3,923.30	140.04	29.015		
13,100.00	7,630.00	5,148.00	5,148.00	86.86	88.92	16.66	-5,536.99	3,112.92	3,986.17	3,847.05	139.12	28.652		
13,200.00	7,630.00	5,148.00	5,148.00	87.56	88.92	16.66	-5,536.99	3,112.92	3,910.03	3,771.87	138.16	28.300		
13,300.00	7,630.00	5,148.00	5,148.00	88.30	88.92	16.66	-5,536.99	3,112.92	3,834.99	3,697.83	137.16	27.960		
13,400.00	7,630.00	5,148.00	5,148.00	89.10	88.92	16.66	-5,536.99	3,112.92	3,761.11	3,624.99	136.12	27.631		
13,500.00	7,630.00	5,148.00	5,148.00	89.94	88.92	16.66	-5,536.99	3,112.92	3,688.46	3,553.43	135.03	27.316		
13,600.00	7,630.00	5,148.00	5,148.00	90.84	88.92	16.66	-5,536.99	3,112.92	3,617.12	3,483.23	133.90	27.014		
13,700.00	7,630.00	5,148.00	5,148.00	91.78	88.92	16.66	-5,536.99	3,112.92	3,547.17	3,414.45	132.72	26.727		
13,800.00	7,630.00	5,148.00	5,148.00	92.77	88.92	16.66	-5,536.99	3,112.92	3,478.68	3,347.18	131.49	26.455		
13,900.00	7,630.00	5,148.00	5,148.00	93.79	88.92	16.66	-5,536.99	3,112.92	3,411.75	3,281.52	130.22	26.200		
14,000.00	7,630.00	5,148.00	5,148.00	94.86	88.92	16.66	-5,536.99	3,112.92	3,346.46	3,217.56	128.90	25.961		
14,100.00	7,630.00	5,148.00	5,148.00	95.97	88.92	16.66	-5,536.99	3,112.92	3,282.93	3,155.39	127.54	25.741		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT JL SEARS 2 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,630.00	5,148.00	5,148.00	97.11	88.92	16.66	-5,536.99	3,112.92	3,221.25	3,095.12	126.13	25.539		
14,300.00	7,630.00	5,148.00	5,148.00	98.28	88.92	16.66	-5,536.99	3,112.92	3,161.53	3,036.85	124.68	25.357		
14,400.00	7,630.00	5,148.00	5,148.00	99.48	88.92	16.66	-5,536.99	3,112.92	3,103.88	2,980.69	123.19	25.196		
14,500.00	7,630.00	5,148.00	5,148.00	100.72	88.92	16.66	-5,536.99	3,112.92	3,048.42	2,926.76	121.66	25.057		
14,600.00	7,630.00	5,148.00	5,148.00	101.97	88.92	16.66	-5,536.99	3,112.92	2,995.28	2,875.17	120.10	24.939		
14,700.00	7,630.00	5,148.00	5,148.00	103.26	88.92	16.66	-5,536.99	3,112.92	2,944.57	2,826.05	118.52	24.844		
14,800.00	7,630.00	5,148.00	5,148.00	104.56	88.92	16.66	-5,536.99	3,112.92	2,896.43	2,779.51	116.92	24.772		
14,900.00	7,630.00	5,148.00	5,148.00	105.89	88.92	16.66	-5,536.99	3,112.92	2,850.99	2,735.66	115.32	24.722		
15,000.00	7,630.00	5,148.00	5,148.00	107.24	88.92	16.66	-5,536.99	3,112.92	2,808.37	2,694.64	113.73	24.693		
15,100.00	7,630.00	5,148.00	5,148.00	108.60	88.92	16.66	-5,536.99	3,112.92	2,768.71	2,656.55	112.16	24.685		
15,200.00	7,630.00	5,148.00	5,148.00	109.98	88.92	16.66	-5,536.99	3,112.92	2,732.13	2,621.50	110.63	24.695		
15,300.00	7,630.00	5,148.00	5,148.00	111.38	88.92	16.66	-5,536.99	3,112.92	2,698.77	2,589.60	109.17	24.720		
15,400.00	7,630.00	5,148.00	5,148.00	112.79	88.92	16.66	-5,536.99	3,112.92	2,668.74	2,560.93	107.81	24.755		
15,500.00	7,630.00	5,148.00	5,148.00	114.22	88.92	16.66	-5,536.99	3,112.92	2,642.15	2,535.59	106.57	24.793		
15,600.00	7,630.00	5,148.00	5,148.00	115.66	88.92	16.66	-5,536.99	3,112.92	2,619.12	2,513.63	105.49	24.828		
15,700.00	7,630.00	5,148.00	5,148.00	117.11	88.92	16.66	-5,536.99	3,112.92	2,599.73	2,495.11	104.62	24.850		
15,800.00	7,630.00	5,148.00	5,148.00	118.57	88.92	16.66	-5,536.99	3,112.92	2,584.07	2,480.08	103.99	24.849		
15,900.00	7,630.00	5,148.00	5,148.00	120.05	88.92	16.66	-5,536.99	3,112.92	2,572.20	2,468.54	103.66	24.814		
16,000.00	7,630.00	5,148.00	5,148.00	121.53	88.92	16.66	-5,536.99	3,112.92	2,564.18	2,460.53	103.65	24.738		
16,100.00	7,630.00	5,148.00	5,148.00	123.03	88.92	16.66	-5,536.99	3,112.92	2,560.05	2,456.04	104.01	24.615		
16,155.95	7,630.00	5,148.00	5,148.00	123.87	88.92	16.66	-5,536.99	3,112.92	2,559.44	2,455.07	104.36	24.524 CC, ES		
16,200.00	7,630.00	5,148.00	5,148.00	124.53	88.92	16.66	-5,536.99	3,112.92	2,559.82	2,455.09	104.73	24.442		
16,300.00	7,630.00	5,148.00	5,148.00	126.04	88.92	16.66	-5,536.99	3,112.92	2,563.49	2,457.67	105.82	24.226		
16,400.00	7,630.00	5,148.00	5,148.00	127.56	88.92	16.66	-5,536.99	3,112.92	2,571.05	2,463.80	107.24	23.974		
16,500.00	7,630.00	5,148.00	5,148.00	129.09	88.92	16.66	-5,536.99	3,112.92	2,582.46	2,473.49	108.97	23.699		
16,600.00	7,630.00	5,148.00	5,148.00	130.62	88.92	16.66	-5,536.99	3,112.92	2,597.67	2,486.72	110.95	23.413		
16,700.00	7,630.00	5,148.00	5,148.00	132.16	88.92	16.66	-5,536.99	3,112.92	2,616.62	2,503.50	113.12	23.131		
16,800.00	7,630.00	5,148.00	5,148.00	133.71	88.92	16.66	-5,536.99	3,112.92	2,639.23	2,523.79	115.44	22.862		
16,900.00	7,630.00	5,148.00	5,148.00	135.27	88.92	16.66	-5,536.99	3,112.92	2,665.40	2,547.54	117.85	22.616		
17,000.00	7,630.00	5,148.00	5,148.00	136.83	88.92	16.66	-5,536.99	3,112.92	2,695.02	2,574.70	120.32	22.399		
17,100.00	7,630.00	5,148.00	5,148.00	138.39	88.92	16.66	-5,536.99	3,112.92	2,727.99	2,605.19	122.80	22.215		
17,200.00	7,630.00	5,148.00	5,148.00	139.97	88.92	16.66	-5,536.99	3,112.92	2,764.19	2,638.93	125.26	22.067		
17,300.00	7,630.00	5,148.00	5,148.00	141.54	88.92	16.66	-5,536.99	3,112.92	2,803.49	2,675.80	127.69	21.956		
17,400.00	7,630.00	5,148.00	5,148.00	143.12	88.92	16.66	-5,536.99	3,112.92	2,845.77	2,715.71	130.05	21.881		
17,500.00	7,630.00	5,148.00	5,148.00	144.71	88.92	16.66	-5,536.99	3,112.92	2,890.88	2,758.53	132.35	21.843		
17,600.00	7,630.00	5,148.00	5,148.00	146.30	88.92	16.66	-5,536.99	3,112.92	2,938.71	2,804.15	134.56	21.840 SF		
17,700.00	7,630.00	5,148.00	5,148.00	147.90	88.92	16.66	-5,536.99	3,112.92	2,989.12	2,852.44	136.68	21.870		
17,800.00	7,630.00	5,148.00	5,148.00	149.50	88.92	16.66	-5,536.99	3,112.92	3,041.98	2,903.28	138.70	21.932		
17,900.00	7,630.00	5,148.00	5,148.00	151.10	88.92	16.66	-5,536.99	3,112.92	3,097.17	2,956.54	140.62	22.024		
18,000.00	7,630.00	5,148.00	5,148.00	152.71	88.92	16.66	-5,536.99	3,112.92	3,154.56	3,012.11	142.45	22.145		
18,100.00	7,630.00	5,148.00	5,148.00	154.32	88.92	16.66	-5,536.99	3,112.92	3,214.04	3,069.86	144.18	22.291		
18,200.00	7,630.00	5,148.00	5,148.00	155.94	88.92	16.66	-5,536.99	3,112.92	3,275.50	3,129.68	145.82	22.463		
18,300.00	7,630.00	5,148.00	5,148.00	157.56	88.92	16.66	-5,536.99	3,112.92	3,338.81	3,191.45	147.36	22.657		
18,400.00	7,630.00	5,148.00	5,148.00	159.18	88.92	16.66	-5,536.99	3,112.92	3,403.89	3,255.08	148.82	22.873		
18,500.00	7,630.00	5,148.00	5,148.00	160.80	88.92	16.66	-5,536.99	3,112.92	3,470.63	3,320.45	150.18	23.109		
18,600.00	7,630.00	5,148.00	5,148.00	162.43	88.92	16.66	-5,536.99	3,112.92	3,538.94	3,387.47	151.47	23.364		
18,700.00	7,630.00	5,148.00	5,148.00	164.06	88.92	16.66	-5,536.99	3,112.92	3,608.73	3,456.05	152.68	23.636		
18,800.00	7,630.00	5,148.00	5,148.00	165.70	88.92	16.66	-5,536.99	3,112.92	3,679.91	3,526.09	153.82	23.924		
18,900.00	7,630.00	5,148.00	5,148.00	167.33	88.92	16.66	-5,536.99	3,112.92	3,752.41	3,597.52	154.89	24.227		
19,000.00	7,630.00	5,148.00	5,148.00	168.97	88.92	16.66	-5,536.99	3,112.92	3,826.14	3,670.25	155.89	24.544		
19,021.79	7,630.00	5,148.00	5,148.00	169.33	88.92	16.66	-5,536.99	3,112.92	3,842.37	3,686.27	156.10	24.615		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT MANN 1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INCL-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	147.35	-6,842.04	4,384.37	8,126.30					
100.00	100.00	77.00	77.00	0.13	0.64	147.35	-6,842.04	4,384.37	8,126.27	8,125.49	0.77	N/A		
200.00	200.00	177.00	177.00	0.49	2.17	147.35	-6,842.04	4,384.37	8,126.27	8,123.60	2.67	3,048.301		
300.00	300.00	277.00	277.00	0.85	3.92	147.35	-6,842.04	4,384.37	8,126.27	8,121.50	4.77	1,703.750		
400.00	400.00	377.00	377.00	1.21	5.66	147.35	-6,842.04	4,384.37	8,126.27	8,119.39	6.87	1,182.271		
500.00	500.00	477.00	477.00	1.57	7.41	147.35	-6,842.04	4,384.37	8,126.27	8,117.29	8.98	905.208		
600.00	600.00	577.00	577.00	1.93	9.15	147.35	-6,842.04	4,384.37	8,126.27	8,115.18	11.08	733.349		
700.00	700.00	677.00	677.00	2.29	10.90	147.35	-6,842.04	4,384.37	8,126.27	8,113.08	13.18	616.334		
800.00	799.98	776.98	776.98	2.64	12.64	85.58	-6,842.04	4,384.37	8,126.13	8,110.85	15.28	531.675		
900.00	899.84	876.84	876.84	2.99	14.39	85.62	-6,842.04	4,384.37	8,125.73	8,108.35	17.38	467.533		
1,000.00	999.45	976.45	976.45	3.35	16.13	85.70	-6,842.04	4,384.37	8,125.07	8,105.59	19.48	417.127		
1,100.00	1,098.70	1,075.70	1,075.70	3.73	17.86	85.80	-6,842.04	4,384.37	8,124.16	8,102.57	21.58	376.427		
1,200.00	1,197.47	1,174.47	1,174.47	4.11	19.58	85.93	-6,842.04	4,384.37	8,123.01	8,099.32	23.69	342.829		
1,300.00	1,295.62	1,272.62	1,272.62	4.53	21.30	86.09	-6,842.04	4,384.37	8,121.66	8,095.84	25.82	314.577		
1,400.00	1,393.06	1,370.06	1,370.06	4.97	23.00	86.27	-6,842.04	4,384.37	8,120.12	8,092.17	27.96	290.448		
1,500.00	1,489.64	1,466.64	1,466.64	5.44	24.68	86.48	-6,842.04	4,384.37	8,118.43	8,088.32	30.12	269.567		
1,600.00	1,585.27	1,562.27	1,562.27	5.95	26.35	86.72	-6,842.04	4,384.37	8,116.62	8,084.32	32.30	251.294		
1,700.00	1,679.82	1,656.82	1,656.82	6.51	28.00	86.97	-6,842.04	4,384.37	8,114.73	8,080.22	34.51	235.150		
1,800.00	1,773.17	1,750.17	1,750.17	7.13	29.63	87.25	-6,842.04	4,384.37	8,112.79	8,076.04	36.75	220.768		
1,900.00	1,865.21	1,842.21	1,842.21	7.79	31.24	87.54	-6,842.04	4,384.37	8,110.86	8,071.84	39.02	207.866		
2,000.00	1,955.84	1,932.84	1,932.84	8.51	32.82	87.85	-6,842.04	4,384.37	8,108.99	8,067.66	41.33	196.223		
2,100.00	2,044.94	2,021.94	2,021.94	9.30	34.37	88.17	-6,842.04	4,384.37	8,107.22	8,063.55	43.67	185.660		
2,200.00	2,132.39	2,109.39	2,109.39	10.15	35.90	88.50	-6,842.04	4,384.37	8,105.61	8,059.56	46.04	176.037		
2,300.00	2,218.11	2,204.89	2,195.11	11.07	37.57	88.84	-6,842.04	4,384.37	8,104.21	8,055.58	48.63	166.648		
2,400.00	2,301.97	2,278.97	2,278.97	12.06	38.86	89.19	-6,842.04	4,384.37	8,103.10	8,052.18	50.91	159.159		
2,500.00	2,383.88	2,360.88	2,360.88	13.11	40.29	89.53	-6,842.04	4,384.37	8,102.32	8,048.91	53.40	151.728		
2,512.74	2,394.17	2,371.17	2,371.17	13.25	40.47	89.58	-6,842.04	4,384.37	8,102.24	8,048.52	53.72	150.825		
2,600.00	2,464.54	2,441.54	2,441.54	14.22	41.70	89.87	-6,842.04	4,384.37	8,101.94	8,046.02	55.92	144.889		
2,638.08	2,495.24	2,472.24	2,472.24	14.65	42.23	90.00	-6,842.04	4,384.37	8,101.90	8,045.02	56.88	142.428		
2,700.00	2,545.18	2,522.18	2,522.18	15.35	43.10	90.21	-6,842.04	4,384.37	8,101.99	8,043.53	58.46	138.601		
2,800.00	2,625.82	2,602.82	2,602.82	16.50	44.51	90.55	-6,842.04	4,384.37	8,102.47	8,041.46	61.01	132.811		
2,900.00	2,706.45	2,683.45	2,683.45	17.65	45.92	90.88	-6,842.04	4,384.37	8,103.38	8,039.81	63.57	127.470		
3,000.00	2,787.09	2,764.09	2,764.09	18.82	47.33	91.22	-6,842.04	4,384.37	8,104.73	8,038.59	66.14	122.533		
3,100.00	2,867.73	2,844.73	2,844.73	19.99	48.73	91.56	-6,842.04	4,384.37	8,106.51	8,037.79	68.72	117.960		
3,200.00	2,948.37	2,925.37	2,925.37	21.17	50.14	91.89	-6,842.04	4,384.37	8,108.72	8,037.41	71.31	113.715		
3,300.00	3,029.01	3,006.01	3,006.01	22.36	51.55	92.23	-6,842.04	4,384.37	8,111.35	8,037.46	73.90	109.766		
3,400.00	3,109.65	3,086.65	3,086.65	23.55	52.96	92.57	-6,842.04	4,384.37	8,114.42	8,037.93	76.49	106.086		
3,500.00	3,190.29	3,167.29	3,167.29	24.74	54.36	92.90	-6,842.04	4,384.37	8,117.92	8,038.84	79.08	102.649		
3,600.00	3,270.93	3,247.93	3,247.93	25.94	55.77	93.24	-6,842.04	4,384.37	8,121.85	8,040.17	81.68	99.433		
3,700.00	3,351.57	3,328.57	3,328.57	27.14	57.18	93.58	-6,842.04	4,384.37	8,126.21	8,041.93	84.28	96.420		
3,800.00	3,432.21	3,409.21	3,409.21	28.35	58.59	93.91	-6,842.04	4,384.37	8,130.99	8,044.11	86.88	93.591		
3,900.00	3,512.85	3,489.85	3,489.85	29.56	59.99	94.25	-6,842.04	4,384.37	8,136.20	8,046.72	89.48	90.931		
4,000.00	3,593.49	3,570.49	3,570.49	30.76	61.40	94.58	-6,842.04	4,384.37	8,141.84	8,049.76	92.07	88.427		
4,100.00	3,674.13	3,651.13	3,651.13	31.97	62.81	94.92	-6,842.04	4,384.37	8,147.90	8,053.23	94.67	86.065		
4,200.00	3,754.77	3,731.77	3,731.77	33.19	64.22	95.25	-6,842.04	4,384.37	8,154.39	8,057.12	97.27	83.834		
4,300.00	3,835.41	3,812.41	3,812.41	34.40	65.62	95.59	-6,842.04	4,384.37	8,161.30	8,061.44	99.86	81.725		
4,400.00	3,916.05	3,893.05	3,893.05	35.62	67.27	95.92	-6,842.04	4,384.37	8,168.63	8,065.93	102.70	79.540		
4,500.00	3,996.69	3,973.69	3,973.69	36.83	68.44	96.25	-6,842.04	4,384.37	8,176.38	8,071.34	105.05	77.836		
4,600.00	4,077.33	4,054.33	4,054.33	38.05	69.85	96.59	-6,842.04	4,384.37	8,184.56	8,076.92	107.64	76.040		
4,700.00	4,157.96	4,134.96	4,134.96	39.27	71.25	96.92	-6,842.04	4,384.37	8,193.15	8,082.93	110.22	74.334		
4,800.00	4,238.60	4,215.60	4,215.60	40.49	72.66	97.25	-6,842.04	4,384.37	8,202.16	8,089.36	112.80	72.711		
4,900.00	4,319.24	4,303.76	4,296.24	41.71	74.20	97.58	-6,842.04	4,384.37	8,211.59	8,096.07	115.52	71.086		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT MANN 1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	4,399.88	4,376.88	4,376.88	42.93	75.47	97.91	-6,842.04	4,384.37	8,221.43	8,103.46	117.96	69.695		
5,100.00	4,480.52	4,457.52	4,457.52	44.15	76.88	98.25	-6,842.04	4,384.37	8,231.68	8,111.14	120.54	68.292		
5,200.00	4,561.16	4,538.16	4,538.16	45.37	78.29	98.58	-6,842.04	4,384.37	8,242.35	8,119.24	123.11	66.953		
5,300.00	4,641.80	4,618.80	4,618.80	46.59	79.70	98.90	-6,842.04	4,384.37	8,253.42	8,127.75	125.67	65.674		
5,400.00	4,722.44	4,700.56	4,699.44	47.82	81.12	99.23	-6,842.04	4,384.37	8,264.90	8,136.65	128.26	64.441		
5,500.00	4,803.08	4,780.08	4,780.08	49.04	82.51	99.56	-6,842.04	4,384.37	8,276.79	8,146.00	130.79	63.281		
5,600.00	4,883.72	4,860.72	4,860.72	50.27	83.92	99.89	-6,842.04	4,384.37	8,289.09	8,155.74	133.35	62.161		
5,700.00	4,964.36	4,941.36	4,941.36	51.49	85.33	100.22	-6,842.04	4,384.37	8,301.79	8,165.89	135.90	61.088		
5,800.00	5,045.00	5,022.00	5,022.00	52.71	86.73	100.54	-6,842.04	4,384.37	8,314.89	8,176.44	138.44	60.059		
5,900.00	5,125.64	5,050.00	5,050.00	53.94	87.22	100.66	-6,842.04	4,384.37	8,328.55	8,188.50	140.05	59.466		
6,000.00	5,206.28	5,050.00	5,050.00	55.17	87.22	100.66	-6,842.04	4,384.37	8,343.35	8,202.19	141.15	59.108		
6,100.00	5,286.92	5,050.00	5,050.00	56.39	87.22	100.66	-6,842.04	4,384.37	8,359.31	8,217.08	142.23	58.771		
6,200.00	5,367.56	5,050.00	5,050.00	57.62	87.22	100.66	-6,842.04	4,384.37	8,376.44	8,233.14	143.30	58.456		
6,300.00	5,448.20	5,050.00	5,050.00	58.84	87.22	100.66	-6,842.04	4,384.37	8,394.72	8,250.38	144.34	58.160		
6,400.00	5,528.84	5,050.00	5,050.00	60.07	87.22	100.66	-6,842.04	4,384.37	8,414.15	8,268.79	145.36	57.885		
6,500.00	5,609.47	5,050.00	5,050.00	61.30	87.22	100.66	-6,842.04	4,384.37	8,434.73	8,288.37	146.36	57.629		
6,600.00	5,690.11	5,050.00	5,050.00	62.53	87.22	100.66	-6,842.04	4,384.37	8,456.43	8,309.09	147.35	57.392		
6,700.00	5,770.75	5,050.00	5,050.00	63.75	87.22	100.66	-6,842.04	4,384.37	8,479.27	8,330.96	148.31	57.173		
6,800.00	5,851.39	5,050.00	5,050.00	64.98	87.22	100.66	-6,842.04	4,384.37	8,503.21	8,353.96	149.25	56.972		
6,900.00	5,932.03	5,050.00	5,050.00	66.21	87.22	100.66	-6,842.04	4,384.37	8,528.26	8,378.09	150.17	56.789		
7,000.00	6,012.67	5,050.00	5,050.00	67.44	87.22	100.66	-6,842.04	4,384.37	8,554.41	8,403.33	151.08	56.623		
7,100.00	6,093.31	5,050.00	5,050.00	68.66	87.22	100.66	-6,842.04	4,384.37	8,581.64	8,429.68	151.96	56.473		
7,200.00	6,173.95	5,050.00	5,050.00	69.89	87.22	100.66	-6,842.04	4,384.37	8,609.95	8,457.12	152.82	56.339		
7,300.00	6,254.59	5,050.00	5,050.00	71.12	87.22	100.66	-6,842.04	4,384.37	8,639.32	8,485.65	153.67	56.221		
7,400.00	6,335.23	5,050.00	5,050.00	72.35	87.22	100.66	-6,842.04	4,384.37	8,669.74	8,515.26	154.49	56.119		
7,500.00	6,415.87	5,050.00	5,050.00	73.58	87.22	100.66	-6,842.04	4,384.37	8,701.21	8,545.92	155.29	56.031		
7,600.00	6,496.51	5,050.00	5,050.00	74.81	87.22	100.66	-6,842.04	4,384.37	8,733.71	8,577.64	156.07	55.958		
7,700.00	6,577.15	5,050.00	5,050.00	76.04	87.22	100.66	-6,842.04	4,384.37	8,767.23	8,610.40	156.84	55.900		
7,800.00	6,657.79	5,050.00	5,050.00	77.27	87.22	100.66	-6,842.04	4,384.37	8,801.76	8,644.18	157.58	55.855		
7,900.00	6,738.43	5,050.00	5,050.00	78.50	87.22	100.66	-6,842.04	4,384.37	8,837.29	8,678.98	158.31	55.823		
8,000.00	6,819.07	5,050.00	5,050.00	79.73	87.22	100.66	-6,842.04	4,384.37	8,873.80	8,714.79	159.01	55.805		
8,100.00	6,899.71	5,050.00	5,050.00	80.96	87.22	100.66	-6,842.04	4,384.37	8,911.28	8,751.58	159.70	55.800		
8,200.00	6,980.35	5,050.00	5,050.00	82.18	87.22	100.66	-6,842.04	4,384.37	8,949.73	8,789.36	160.37	55.807		
8,240.58	7,013.07	5,050.00	5,050.00	82.68	87.22	100.66	-6,842.04	4,384.37	8,965.60	8,804.96	160.64	55.813		
8,250.00	7,020.68	5,050.00	5,050.00	82.80	87.22	99.55	-6,842.04	4,384.37	8,969.24	8,808.54	160.70	55.815		
8,300.00	7,061.63	5,050.00	5,050.00	83.40	87.22	93.21	-6,842.04	4,384.37	8,986.33	8,825.31	161.02	55.810		
8,350.00	7,103.23	5,050.00	5,050.00	83.97	87.22	86.17	-6,842.04	4,384.37	8,999.61	8,838.28	161.33	55.784		
8,400.00	7,145.18	5,050.00	5,050.00	84.51	87.22	78.69	-6,842.04	4,384.37	9,009.01	8,847.38	161.63	55.739		
8,450.00	7,187.16	5,050.00	5,050.00	85.01	87.22	71.09	-6,842.04	4,384.37	9,014.45	8,852.54	161.91	55.676		
8,500.00	7,228.84	5,050.00	5,050.00	85.46	87.22	63.71	-6,842.04	4,384.37	9,015.92	8,853.75	162.17	55.597		
8,550.00	7,269.91	5,050.00	5,050.00	85.86	87.22	56.81	-6,842.04	4,384.37	9,013.39	8,851.00	162.39	55.503		
8,600.00	7,310.05	5,050.00	5,050.00	86.20	87.22	50.55	-6,842.04	4,384.37	9,006.89	8,844.29	162.59	55.396		
8,650.00	7,348.97	5,050.00	5,050.00	86.50	87.22	44.96	-6,842.04	4,384.37	8,996.45	8,833.69	162.76	55.275		
8,700.00	7,386.36	5,050.00	5,050.00	86.74	87.22	40.04	-6,842.04	4,384.37	8,982.14	8,819.25	162.89	55.143		
8,750.00	7,421.94	5,050.00	5,050.00	86.93	87.22	35.70	-6,842.04	4,384.37	8,964.06	8,801.07	162.99	54.998		
8,800.00	7,455.44	5,050.00	5,050.00	87.07	87.22	31.84	-6,842.04	4,384.37	8,942.31	8,779.25	163.06	54.842		
8,850.00	7,486.61	5,050.00	5,050.00	87.16	87.22	28.37	-6,842.04	4,384.37	8,917.03	8,753.94	163.09	54.675		
8,900.00	7,515.20	5,050.00	5,050.00	87.20	87.22	25.18	-6,842.04	4,384.37	8,888.40	8,725.30	163.10	54.498		
8,950.00	7,541.00	5,050.00	5,050.00	87.21	87.22	22.16	-6,842.04	4,384.37	8,856.59	8,693.52	163.08	54.310		
9,000.00	7,563.81	5,050.00	5,050.00	87.17	87.22	19.19	-6,842.04	4,384.37	8,821.82	8,658.79	163.03	54.112		
9,050.00	7,583.47	5,050.00	5,050.00	87.10	87.22	16.12	-6,842.04	4,384.37	8,784.32	8,621.35	162.96	53.904		
9,100.00	7,599.81	5,050.00	5,050.00	87.00	87.22	12.79	-6,842.04	4,384.37	8,744.33	8,581.45	162.88	53.687		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT MANN 1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INCL-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,150.00	7,612.72	5,050.00	5,050.00	86.88	87.22	8.92	-6,842.04	4,384.37	8,702.13	8,539.36	162.78	53.461		
9,200.00	7,622.09	5,050.00	5,050.00	86.72	87.22	4.13	-6,842.04	4,384.37	8,658.02	8,495.35	162.66	53.226		
9,250.00	7,627.87	5,050.00	5,050.00	86.55	87.22	-2.20	-6,842.04	4,384.37	8,612.29	8,449.75	162.55	52.984		
9,303.98	7,630.00	5,050.00	5,050.00	86.35	87.22	-11.97	-6,842.04	4,384.37	8,561.50	8,399.08	162.41	52.714		
9,400.00	7,630.00	5,050.00	5,050.00	85.99	87.22	-11.97	-6,842.04	4,384.37	8,470.11	8,307.93	162.18	52.228		
9,500.00	7,630.00	5,050.00	5,050.00	85.62	87.22	-11.97	-6,842.04	4,384.37	8,375.05	8,213.13	161.92	51.723		
9,600.00	7,630.00	5,050.00	5,050.00	85.28	87.22	-11.97	-6,842.04	4,384.37	8,280.10	8,118.44	161.66	51.219		
9,700.00	7,630.00	5,050.00	5,050.00	84.95	87.22	-11.97	-6,842.04	4,384.37	8,185.28	8,023.88	161.39	50.717		
9,800.00	7,630.00	5,050.00	5,050.00	84.64	87.22	-11.97	-6,842.04	4,384.37	8,090.57	7,929.46	161.12	50.215		
9,900.00	7,630.00	5,050.00	5,050.00	84.34	87.22	-11.97	-6,842.04	4,384.37	7,996.00	7,835.16	160.84	49.714		
10,000.00	7,630.00	5,050.00	5,050.00	84.06	87.22	-11.97	-6,842.04	4,384.37	7,901.56	7,741.01	160.55	49.215		
10,100.00	7,630.00	5,050.00	5,050.00	83.80	87.22	-11.97	-6,842.04	4,384.37	7,807.26	7,647.01	160.26	48.717		
10,200.00	7,630.00	5,050.00	5,050.00	83.56	87.22	-11.97	-6,842.04	4,384.37	7,713.11	7,553.15	159.96	48.220		
10,300.00	7,630.00	5,050.00	5,050.00	83.33	87.22	-11.97	-6,842.04	4,384.37	7,619.10	7,459.45	159.65	47.724		
10,400.00	7,630.00	5,050.00	5,050.00	83.12	87.22	-11.97	-6,842.04	4,384.37	7,525.25	7,365.92	159.33	47.230		
10,500.00	7,630.00	5,050.00	5,050.00	82.92	87.22	-11.97	-6,842.04	4,384.37	7,431.55	7,272.55	159.01	46.737		
10,600.00	7,630.00	5,050.00	5,050.00	82.75	87.22	-11.97	-6,842.04	4,384.37	7,338.03	7,179.35	158.67	46.246		
10,700.00	7,630.00	5,050.00	5,050.00	82.59	87.22	-11.97	-6,842.04	4,384.37	7,244.67	7,086.34	158.33	45.756		
10,800.00	7,630.00	5,050.00	5,050.00	82.45	87.22	-11.97	-6,842.04	4,384.37	7,151.50	6,993.52	157.98	45.268		
10,900.00	7,630.00	5,050.00	5,050.00	82.33	87.22	-11.97	-6,842.04	4,384.37	7,058.51	6,900.89	157.62	44.781		
11,000.00	7,630.00	5,050.00	5,050.00	82.22	87.22	-11.97	-6,842.04	4,384.37	6,965.72	6,808.47	157.25	44.296		
11,100.00	7,630.00	5,050.00	5,050.00	82.14	87.22	-11.97	-6,842.04	4,384.37	6,873.13	6,716.26	156.87	43.813		
11,200.00	7,630.00	5,050.00	5,050.00	82.08	87.22	-11.97	-6,842.04	4,384.37	6,780.75	6,624.27	156.48	43.332		
11,300.00	7,630.00	5,050.00	5,050.00	82.04	87.22	-11.97	-6,842.04	4,384.37	6,688.59	6,532.51	156.08	42.853		
11,400.00	7,630.00	5,050.00	5,050.00	82.02	87.22	-11.97	-6,842.04	4,384.37	6,596.66	6,440.99	155.67	42.376		
11,500.00	7,630.00	5,050.00	5,050.00	82.03	87.22	-11.97	-6,842.04	4,384.37	6,504.96	6,349.72	155.25	41.901		
11,600.00	7,630.00	5,050.00	5,050.00	82.06	87.22	-11.97	-6,842.04	4,384.37	6,413.52	6,258.71	154.81	41.428		
11,700.00	7,630.00	5,050.00	5,050.00	82.12	87.22	-11.97	-6,842.04	4,384.37	6,322.33	6,167.97	154.37	40.957		
11,800.00	7,630.00	5,050.00	5,050.00	82.21	87.22	-11.97	-6,842.04	4,384.37	6,231.41	6,077.51	153.90	40.489		
11,900.00	7,630.00	5,050.00	5,050.00	82.33	87.22	-11.97	-6,842.04	4,384.37	6,140.78	5,987.35	153.43	40.023		
12,000.00	7,630.00	5,050.00	5,050.00	82.48	87.22	-11.97	-6,842.04	4,384.37	6,050.44	5,897.50	152.94	39.560		
12,100.00	7,630.00	5,050.00	5,050.00	82.66	87.22	-11.97	-6,842.04	4,384.37	5,960.41	5,807.97	152.44	39.099		
12,200.00	7,630.00	5,050.00	5,050.00	82.88	87.22	-11.97	-6,842.04	4,384.37	5,870.70	5,718.78	151.93	38.642		
12,300.00	7,630.00	5,050.00	5,050.00	83.14	87.22	-11.97	-6,842.04	4,384.37	5,781.33	5,629.94	151.40	38.187		
12,400.00	7,630.00	5,050.00	5,050.00	83.44	87.22	-11.97	-6,842.04	4,384.37	5,692.32	5,541.47	150.85	37.735		
12,500.00	7,630.00	5,050.00	5,050.00	83.79	87.22	-11.97	-6,842.04	4,384.37	5,603.67	5,453.38	150.29	37.287		
12,600.00	7,630.00	5,050.00	5,050.00	84.18	87.22	-11.97	-6,842.04	4,384.37	5,515.41	5,365.71	149.71	36.841		
12,700.00	7,630.00	5,050.00	5,050.00	84.61	87.22	-11.97	-6,842.04	4,384.37	5,427.56	5,278.45	149.11	36.399		
12,800.00	7,630.00	5,050.00	5,050.00	85.10	87.22	-11.97	-6,842.04	4,384.37	5,340.14	5,191.64	148.50	35.961		
12,900.00	7,630.00	5,050.00	5,050.00	85.64	87.22	-11.97	-6,842.04	4,384.37	5,253.17	5,105.30	147.87	35.527		
13,000.00	7,630.00	5,050.00	5,050.00	86.22	87.22	-11.97	-6,842.04	4,384.37	5,166.66	5,019.45	147.22	35.096		
13,100.00	7,630.00	5,050.00	5,050.00	86.86	87.22	-11.97	-6,842.04	4,384.37	5,080.66	4,934.11	146.55	34.669		
13,200.00	7,630.00	5,050.00	5,050.00	87.56	87.22	-11.97	-6,842.04	4,384.37	4,995.17	4,849.31	145.86	34.247		
13,300.00	7,630.00	5,050.00	5,050.00	88.30	87.22	-11.97	-6,842.04	4,384.37	4,910.23	4,765.08	145.15	33.829		
13,400.00	7,630.00	5,050.00	5,050.00	89.10	87.22	-11.97	-6,842.04	4,384.37	4,825.87	4,681.45	144.42	33.415		
13,500.00	7,630.00	5,050.00	5,050.00	89.94	87.22	-11.97	-6,842.04	4,384.37	4,742.12	4,598.45	143.67	33.006		
13,600.00	7,630.00	5,050.00	5,050.00	90.84	87.22	-11.97	-6,842.04	4,384.37	4,659.01	4,516.10	142.90	32.602		
13,700.00	7,630.00	5,050.00	5,050.00	91.78	87.22	-11.97	-6,842.04	4,384.37	4,576.57	4,434.46	142.12	32.203		
13,800.00	7,630.00	5,050.00	5,050.00	92.77	87.22	-11.97	-6,842.04	4,384.37	4,494.85	4,353.54	141.31	31.809		
13,900.00	7,630.00	5,050.00	5,050.00	93.79	87.22	-11.97	-6,842.04	4,384.37	4,413.88	4,273.40	140.47	31.421		
14,000.00	7,630.00	5,050.00	5,050.00	94.86	87.22	-11.97	-6,842.04	4,384.37	4,333.70	4,194.08	139.62	31.038		
14,100.00	7,630.00	5,050.00	5,050.00	95.97	87.22	-11.97	-6,842.04	4,384.37	4,254.37	4,115.61	138.75	30.661		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT MANN 1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,630.00	5,050.00	5,050.00	97.11	87.22	-11.97	-6,842.04	4,384.37	4,175.92	4,038.05	137.86	30.290		
14,300.00	7,630.00	5,050.00	5,050.00	98.28	87.22	-11.97	-6,842.04	4,384.37	4,098.41	3,961.45	136.95	29.925		
14,400.00	7,630.00	5,050.00	5,050.00	99.48	87.22	-11.97	-6,842.04	4,384.37	4,021.89	3,885.86	136.03	29.567		
14,500.00	7,630.00	5,050.00	5,050.00	100.72	87.22	-11.97	-6,842.04	4,384.37	3,946.42	3,811.34	135.08	29.214		
14,600.00	7,630.00	5,050.00	5,050.00	101.97	87.22	-11.97	-6,842.04	4,384.37	3,872.07	3,737.94	134.13	28.869		
14,700.00	7,630.00	5,050.00	5,050.00	103.26	87.22	-11.97	-6,842.04	4,384.37	3,798.89	3,665.74	133.15	28.530		
14,800.00	7,630.00	5,050.00	5,050.00	104.56	87.22	-11.97	-6,842.04	4,384.37	3,726.96	3,594.79	132.17	28.199		
14,900.00	7,630.00	5,050.00	5,050.00	105.89	87.22	-11.97	-6,842.04	4,384.37	3,656.35	3,525.17	131.17	27.874		
15,000.00	7,630.00	5,050.00	5,050.00	107.24	87.22	-11.97	-6,842.04	4,384.37	3,587.13	3,456.96	130.17	27.557		
15,100.00	7,630.00	5,050.00	5,050.00	108.60	87.22	-11.97	-6,842.04	4,384.37	3,519.40	3,390.24	129.17	27.247		
15,200.00	7,630.00	5,050.00	5,050.00	109.98	87.22	-11.97	-6,842.04	4,384.37	3,453.24	3,325.08	128.16	26.945		
15,300.00	7,630.00	5,050.00	5,050.00	111.38	87.22	-11.97	-6,842.04	4,384.37	3,388.73	3,261.58	127.15	26.652		
15,400.00	7,630.00	5,050.00	5,050.00	112.79	87.22	-11.97	-6,842.04	4,384.37	3,325.98	3,199.84	126.15	26.366		
15,500.00	7,630.00	5,050.00	5,050.00	114.22	87.22	-11.97	-6,842.04	4,384.37	3,265.09	3,139.94	125.15	26.088		
15,600.00	7,630.00	5,050.00	5,050.00	115.66	87.22	-11.97	-6,842.04	4,384.37	3,206.16	3,081.99	124.17	25.820		
15,700.00	7,630.00	5,050.00	5,050.00	117.11	87.22	-11.97	-6,842.04	4,384.37	3,149.31	3,026.10	123.21	25.560		
15,800.00	7,630.00	5,050.00	5,050.00	118.57	87.22	-11.97	-6,842.04	4,384.37	3,094.64	2,972.37	122.27	25.310		
15,900.00	7,630.00	5,050.00	5,050.00	120.05	87.22	-11.97	-6,842.04	4,384.37	3,042.28	2,920.92	121.35	25.070		
16,000.00	7,630.00	5,050.00	5,050.00	121.53	87.22	-11.97	-6,842.04	4,384.37	2,992.34	2,871.87	120.47	24.839		
16,100.00	7,630.00	5,050.00	5,050.00	123.03	87.22	-11.97	-6,842.04	4,384.37	2,944.95	2,825.34	119.62	24.619		
16,200.00	7,630.00	5,050.00	5,050.00	124.53	87.22	-11.97	-6,842.04	4,384.37	2,900.24	2,781.43	118.82	24.410		
16,300.00	7,630.00	5,050.00	5,050.00	126.04	87.22	-11.97	-6,842.04	4,384.37	2,858.33	2,740.27	118.06	24.210		
16,400.00	7,630.00	5,050.00	5,050.00	127.56	87.22	-11.97	-6,842.04	4,384.37	2,819.35	2,701.98	117.37	24.021		
16,500.00	7,630.00	5,050.00	5,050.00	129.09	87.22	-11.97	-6,842.04	4,384.37	2,783.41	2,666.66	116.75	23.841		
16,600.00	7,630.00	5,050.00	5,050.00	130.62	87.22	-11.97	-6,842.04	4,384.37	2,750.64	2,634.43	116.21	23.669		
16,700.00	7,630.00	5,050.00	5,050.00	132.16	87.22	-11.97	-6,842.04	4,384.37	2,721.16	2,605.37	115.79	23.502		
16,800.00	7,630.00	5,050.00	5,050.00	133.71	87.22	-11.97	-6,842.04	4,384.37	2,695.06	2,579.57	115.49	23.336		
16,900.00	7,630.00	5,050.00	5,050.00	135.27	87.22	-11.97	-6,842.04	4,384.37	2,672.45	2,557.10	115.35	23.168		
17,000.00	7,630.00	5,050.00	5,050.00	136.83	87.22	-11.97	-6,842.04	4,384.37	2,653.43	2,538.01	115.42	22.990		
17,100.00	7,630.00	5,050.00	5,050.00	138.39	87.22	-11.97	-6,842.04	4,384.37	2,638.05	2,522.33	115.73	22.796		
17,200.00	7,630.00	5,050.00	5,050.00	139.97	87.22	-11.97	-6,842.04	4,384.37	2,626.40	2,510.07	116.33	22.577		
17,300.00	7,630.00	5,050.00	5,050.00	141.54	87.22	-11.97	-6,842.04	4,384.37	2,618.52	2,501.24	117.28	22.327		
17,400.00	7,630.00	5,050.00	5,050.00	143.12	87.22	-11.97	-6,842.04	4,384.37	2,614.44	2,495.83	118.61	22.042		
17,456.72	7,630.00	5,050.00	5,050.00	144.02	87.22	-11.97	-6,842.04	4,384.37	2,613.82	2,494.28	119.54	21.866 CC		
17,500.00	7,630.00	5,050.00	5,050.00	144.71	87.22	-11.97	-6,842.04	4,384.37	2,614.18	2,493.85	120.33	21.724 ES		
17,600.00	7,630.00	5,050.00	5,050.00	146.30	87.22	-11.97	-6,842.04	4,384.37	2,617.75	2,495.30	122.45	21.379		
17,700.00	7,630.00	5,050.00	5,050.00	147.90	87.22	-11.97	-6,842.04	4,384.37	2,625.12	2,500.22	124.90	21.017		
17,800.00	7,630.00	5,050.00	5,050.00	149.50	87.22	-11.97	-6,842.04	4,384.37	2,636.27	2,508.62	127.65	20.653		
17,900.00	7,630.00	5,050.00	5,050.00	151.10	87.22	-11.97	-6,842.04	4,384.37	2,651.15	2,520.54	130.61	20.299		
18,000.00	7,630.00	5,050.00	5,050.00	152.71	87.22	-11.97	-6,842.04	4,384.37	2,669.69	2,535.98	133.71	19.966		
18,100.00	7,630.00	5,050.00	5,050.00	154.32	87.22	-11.97	-6,842.04	4,384.37	2,691.82	2,554.93	136.89	19.664		
18,200.00	7,630.00	5,050.00	5,050.00	155.94	87.22	-11.97	-6,842.04	4,384.37	2,717.45	2,577.36	140.09	19.398		
18,300.00	7,630.00	5,050.00	5,050.00	157.56	87.22	-11.97	-6,842.04	4,384.37	2,746.49	2,603.22	143.27	19.171		
18,400.00	7,630.00	5,050.00	5,050.00	159.18	87.22	-11.97	-6,842.04	4,384.37	2,778.82	2,632.44	146.38	18.984		
18,500.00	7,630.00	5,050.00	5,050.00	160.80	87.22	-11.97	-6,842.04	4,384.37	2,814.34	2,664.94	149.40	18.837		
18,600.00	7,630.00	5,050.00	5,050.00	162.43	87.22	-11.97	-6,842.04	4,384.37	2,852.92	2,700.60	152.32	18.730		
18,700.00	7,630.00	5,050.00	5,050.00	164.06	87.22	-11.97	-6,842.04	4,384.37	2,894.45	2,739.34	155.11	18.661		
18,800.00	7,630.00	5,050.00	5,050.00	165.70	87.22	-11.97	-6,842.04	4,384.37	2,938.79	2,781.03	157.76	18.628 SF		
18,900.00	7,630.00	5,050.00	5,050.00	167.33	87.22	-11.97	-6,842.04	4,384.37	2,985.82	2,825.55	160.27	18.630		
19,000.00	7,630.00	5,050.00	5,050.00	168.97	87.22	-11.97	-6,842.04	4,384.37	3,035.42	2,872.78	162.64	18.663		
19,021.79	7,630.00	5,050.00	5,050.00	169.33	87.22	-11.97	-6,842.04	4,384.37	3,046.56	2,883.42	163.14	18.674		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT MANN 2 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INCL-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	151.88	-8,182.26	4,372.28	9,277.24					
100.00	100.00	68.00	68.00	0.13	0.56	151.88	-8,182.26	4,372.28	9,277.18	9,276.49	0.70	N/A		
200.00	200.00	168.00	168.00	0.49	2.02	151.88	-8,182.26	4,372.28	9,277.18	9,274.68	2.51	3,697.924		
300.00	300.00	268.00	268.00	0.85	3.76	151.88	-8,182.26	4,372.28	9,277.18	9,272.57	4.61	2,011.289		
400.00	400.00	368.00	368.00	1.21	5.51	151.88	-8,182.26	4,372.28	9,277.18	9,270.47	6.72	1,381.282		
500.00	500.00	468.00	468.00	1.57	7.25	151.88	-8,182.26	4,372.28	9,277.18	9,268.36	8.82	1,051.816		
600.00	600.00	568.00	568.00	1.93	9.00	151.88	-8,182.26	4,372.28	9,277.18	9,266.26	10.92	849.251		
700.00	700.00	668.00	668.00	2.29	10.74	151.88	-8,182.26	4,372.28	9,277.18	9,264.16	13.03	712.109		
800.00	799.98	767.98	767.98	2.64	12.49	90.11	-8,182.26	4,372.28	9,277.19	9,262.06	15.13	613.287		
900.00	899.84	867.84	867.84	2.99	14.23	90.14	-8,182.26	4,372.28	9,277.20	9,259.98	17.22	538.648		
1,000.00	999.45	967.45	967.45	3.35	15.97	90.19	-8,182.26	4,372.28	9,277.22	9,257.90	19.32	480.136		
1,100.00	1,098.70	1,066.70	1,066.70	3.73	17.70	90.27	-8,182.26	4,372.28	9,277.27	9,255.85	21.43	432.990		
1,200.00	1,197.47	1,165.47	1,165.47	4.11	19.42	90.36	-8,182.26	4,372.28	9,277.36	9,253.82	23.54	394.137		
1,300.00	1,295.62	1,263.62	1,263.62	4.53	21.14	90.47	-8,182.26	4,372.28	9,277.50	9,251.84	25.66	361.515		
1,400.00	1,393.06	1,361.06	1,361.06	4.97	22.84	90.60	-8,182.26	4,372.28	9,277.72	9,249.91	27.80	333.692		
1,500.00	1,489.64	1,457.64	1,457.64	5.44	24.52	90.75	-8,182.26	4,372.28	9,278.03	9,248.07	29.96	309.645		
1,600.00	1,585.27	1,553.27	1,553.27	5.95	26.19	90.91	-8,182.26	4,372.28	9,278.48	9,246.33	32.15	288.625		
1,700.00	1,679.82	1,647.82	1,647.82	6.51	27.84	91.09	-8,182.26	4,372.28	9,279.08	9,244.72	34.36	270.073		
1,800.00	1,773.17	1,741.17	1,741.17	7.13	29.47	91.28	-8,182.26	4,372.28	9,279.88	9,243.28	36.60	253.564		
1,900.00	1,865.21	1,833.21	1,833.21	7.79	31.08	91.48	-8,182.26	4,372.28	9,280.90	9,242.03	38.87	238.769		
2,000.00	1,955.84	1,923.84	1,923.84	8.51	32.66	91.69	-8,182.26	4,372.28	9,282.20	9,241.02	41.18	225.429		
2,100.00	2,044.94	2,012.94	2,012.94	9.30	34.22	91.91	-8,182.26	4,372.28	9,283.80	9,240.29	43.52	213.338		
2,200.00	2,132.39	2,100.39	2,100.39	10.15	35.74	92.13	-8,182.26	4,372.28	9,285.76	9,239.87	45.89	202.332		
2,300.00	2,218.11	2,186.11	2,186.11	11.07	37.24	92.36	-8,182.26	4,372.28	9,288.12	9,239.81	48.31	192.273		
2,400.00	2,301.97	2,269.97	2,269.97	12.06	38.70	92.59	-8,182.26	4,372.28	9,290.92	9,240.17	50.76	183.051		
2,500.00	2,383.88	2,351.88	2,351.88	13.11	40.13	92.81	-8,182.26	4,372.28	9,294.22	9,240.98	53.24	174.571		
2,512.74	2,394.17	2,362.17	2,362.17	13.25	40.31	92.84	-8,182.26	4,372.28	9,294.67	9,241.12	53.56	173.541		
2,600.00	2,464.54	2,432.54	2,432.54	14.22	41.54	93.09	-8,182.26	4,372.28	9,297.98	9,242.23	55.75	166.771		
2,700.00	2,545.18	2,513.18	2,513.18	15.35	42.95	93.39	-8,182.26	4,372.28	9,302.12	9,243.84	58.28	159.599		
2,800.00	2,625.82	2,606.18	2,593.82	16.50	44.57	93.68	-8,182.26	4,372.28	9,306.64	9,245.59	61.05	152.454		
2,900.00	2,706.45	2,674.45	2,674.45	17.65	45.76	93.97	-8,182.26	4,372.28	9,311.53	9,248.14	63.39	146.904		
3,000.00	2,787.09	2,755.09	2,755.09	18.82	47.17	94.27	-8,182.26	4,372.28	9,316.79	9,250.84	65.95	141.273		
3,100.00	2,867.73	2,835.73	2,835.73	19.99	48.58	94.56	-8,182.26	4,372.28	9,322.42	9,253.91	68.52	136.055		
3,200.00	2,948.37	2,916.37	2,916.37	21.17	49.98	94.85	-8,182.26	4,372.28	9,328.43	9,257.34	71.09	131.212		
3,300.00	3,029.01	3,002.99	2,997.01	22.36	51.50	95.14	-8,182.26	4,372.28	9,334.81	9,261.03	73.78	126.526		
3,400.00	3,109.65	3,077.65	3,077.65	23.55	52.80	95.44	-8,182.26	4,372.28	9,341.55	9,265.30	76.26	122.504		
3,500.00	3,190.29	3,158.29	3,158.29	24.74	54.21	95.73	-8,182.26	4,372.28	9,348.67	9,269.83	78.84	118.579		
3,600.00	3,270.93	3,238.93	3,238.93	25.94	55.61	96.02	-8,182.26	4,372.28	9,356.15	9,274.73	81.42	114.907		
3,700.00	3,351.57	3,319.57	3,319.57	27.14	57.02	96.31	-8,182.26	4,372.28	9,364.00	9,279.99	84.01	111.463		
3,800.00	3,432.21	3,400.21	3,400.21	28.35	58.43	96.60	-8,182.26	4,372.28	9,372.22	9,285.63	86.60	108.230		
3,900.00	3,512.85	3,480.85	3,480.85	29.56	59.84	96.89	-8,182.26	4,372.28	9,380.80	9,291.62	89.18	105.188		
4,000.00	3,593.49	3,561.49	3,561.49	30.76	61.24	97.18	-8,182.26	4,372.28	9,389.75	9,297.99	91.77	102.322		
4,100.00	3,674.13	3,642.13	3,642.13	31.97	62.65	97.47	-8,182.26	4,372.28	9,399.06	9,304.71	94.35	99.619		
4,200.00	3,754.77	3,722.77	3,722.77	33.19	64.06	97.76	-8,182.26	4,372.28	9,408.74	9,311.81	96.93	97.064		
4,300.00	3,835.41	3,803.41	3,803.41	34.40	65.47	98.05	-8,182.26	4,372.28	9,418.77	9,319.26	99.51	94.647		
4,400.00	3,916.05	3,884.05	3,884.05	35.62	66.87	98.34	-8,182.26	4,372.28	9,429.17	9,327.08	102.09	92.358		
4,500.00	3,996.69	3,964.69	3,964.69	36.83	68.28	98.63	-8,182.26	4,372.28	9,439.93	9,335.25	104.67	90.186		
4,600.00	4,077.33	4,045.33	4,045.33	38.05	69.69	98.91	-8,182.26	4,372.28	9,451.04	9,343.79	107.25	88.125		
4,700.00	4,157.96	4,125.96	4,125.96	39.27	71.10	99.20	-8,182.26	4,372.28	9,462.51	9,352.69	109.82	86.165		
4,800.00	4,238.60	4,206.60	4,206.60	40.49	72.50	99.49	-8,182.26	4,372.28	9,474.33	9,361.94	112.39	84.299		
4,900.00	4,319.24	4,287.24	4,287.24	41.71	73.91	99.77	-8,182.26	4,372.28	9,486.51	9,371.55	114.96	82.523		
5,000.00	4,399.88	4,367.88	4,367.88	42.93	75.32	100.06	-8,182.26	4,372.28	9,499.04	9,381.52	117.52	80.829		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT MANN 2 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INCL-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,480.52	4,448.52	4,448.52	44.15	76.73	100.35	-8,182.26	4,372.28	9,511.92	9,391.84	120.08	79.212		
5,200.00	4,561.16	4,529.16	4,529.16	45.37	78.13	100.63	-8,182.26	4,372.28	9,525.16	9,402.52	122.64	77.668		
5,300.00	4,641.80	4,609.80	4,609.80	46.59	79.54	100.91	-8,182.26	4,372.28	9,538.74	9,413.54	125.19	76.192		
5,400.00	4,722.44	4,709.56	4,690.44	47.82	81.28	101.20	-8,182.26	4,372.28	9,552.66	9,424.59	128.08	74.585		
5,500.00	4,803.08	4,771.08	4,771.08	49.04	82.35	101.48	-8,182.26	4,372.28	9,566.94	9,436.64	130.29	73.427		
5,600.00	4,883.72	4,851.72	4,851.72	50.27	83.76	101.76	-8,182.26	4,372.28	9,581.55	9,448.72	132.84	72.131		
5,700.00	4,964.36	4,932.36	4,932.36	51.49	85.17	102.05	-8,182.26	4,372.28	9,596.51	9,461.14	135.38	70.888		
5,800.00	5,045.00	5,013.00	5,013.00	52.71	86.58	102.33	-8,182.26	4,372.28	9,611.81	9,473.90	137.91	69.696		
5,900.00	5,125.64	5,048.00	5,048.00	53.94	87.19	102.45	-8,182.26	4,372.28	9,627.56	9,487.92	139.64	68.947		
6,000.00	5,206.28	5,048.00	5,048.00	55.17	87.19	102.45	-8,182.26	4,372.28	9,644.25	9,503.52	140.73	68.529		
6,100.00	5,286.92	5,048.00	5,048.00	56.39	87.19	102.45	-8,182.26	4,372.28	9,661.95	9,520.14	141.81	68.132		
6,200.00	5,367.56	5,048.00	5,048.00	57.62	87.19	102.45	-8,182.26	4,372.28	9,680.65	9,537.77	142.88	67.755		
6,300.00	5,448.20	5,048.00	5,048.00	58.84	87.19	102.45	-8,182.26	4,372.28	9,700.34	9,556.42	143.93	67.397		
6,400.00	5,528.84	5,048.00	5,048.00	60.07	87.19	102.45	-8,182.26	4,372.28	9,721.03	9,576.07	144.96	67.058		
6,500.00	5,609.47	5,048.00	5,048.00	61.30	87.19	102.45	-8,182.26	4,372.28	9,742.70	9,596.71	145.98	66.738		
6,600.00	5,690.11	5,048.00	5,048.00	62.53	87.19	102.45	-8,182.26	4,372.28	9,765.34	9,618.35	146.99	66.437		
6,700.00	5,770.75	5,048.00	5,048.00	63.75	87.19	102.45	-8,182.26	4,372.28	9,788.95	9,640.98	147.98	66.152		
6,800.00	5,851.39	5,048.00	5,048.00	64.98	87.19	102.45	-8,182.26	4,372.28	9,813.53	9,664.58	148.95	65.885		
6,900.00	5,932.03	5,048.00	5,048.00	66.21	87.19	102.45	-8,182.26	4,372.28	9,839.05	9,689.15	149.90	65.635		
7,000.00	6,012.67	5,048.00	5,048.00	67.44	87.19	102.45	-8,182.26	4,372.28	9,865.53	9,714.69	150.85	65.401		
7,100.00	6,093.31	5,048.00	5,048.00	68.66	87.19	102.45	-8,182.26	4,372.28	9,892.95	9,741.18	151.77	65.184		
7,200.00	6,173.95	5,048.00	5,048.00	69.89	87.19	102.45	-8,182.26	4,372.28	9,921.30	9,768.62	152.68	64.981		
7,300.00	6,254.59	5,048.00	5,048.00	71.12	87.19	102.45	-8,182.26	4,372.28	9,950.57	9,797.00	153.57	64.794		
7,400.00	6,335.23	5,048.00	5,048.00	72.35	87.19	102.45	-8,182.26	4,372.28	9,980.76	9,826.31	154.45	64.622		
9,150.00	7,612.72	5,048.00	5,048.00	86.88	87.19	10.85	-8,182.26	4,372.28	9,987.03	9,822.67	164.36	60.763		
9,200.00	7,622.09	5,048.00	5,048.00	86.72	87.19	5.94	-8,182.26	4,372.28	9,942.04	9,777.75	164.29	60.514		
9,250.00	7,627.87	5,048.00	5,048.00	86.55	87.19	-0.81	-8,182.26	4,372.28	9,895.55	9,731.33	164.21	60.260		
9,303.98	7,630.00	5,048.00	5,048.00	86.35	87.19	-11.84	-8,182.26	4,372.28	9,844.04	9,679.92	164.12	59.981		
9,400.00	7,630.00	5,048.00	5,048.00	85.99	87.19	-11.84	-8,182.26	4,372.28	9,751.47	9,587.53	163.94	59.481		
9,500.00	7,630.00	5,048.00	5,048.00	85.62	87.19	-11.84	-8,182.26	4,372.28	9,655.14	9,491.39	163.75	58.962		
9,600.00	7,630.00	5,048.00	5,048.00	85.28	87.19	-11.84	-8,182.26	4,372.28	9,558.89	9,395.33	163.56	58.442		
9,700.00	7,630.00	5,048.00	5,048.00	84.95	87.19	-11.84	-8,182.26	4,372.28	9,462.72	9,299.35	163.37	57.923		
9,800.00	7,630.00	5,048.00	5,048.00	84.64	87.19	-11.84	-8,182.26	4,372.28	9,366.62	9,203.45	163.17	57.405		
9,900.00	7,630.00	5,048.00	5,048.00	84.34	87.19	-11.84	-8,182.26	4,372.28	9,270.61	9,107.65	162.96	56.888		
10,000.00	7,630.00	5,048.00	5,048.00	84.06	87.19	-11.84	-8,182.26	4,372.28	9,174.68	9,011.93	162.76	56.371		
10,100.00	7,630.00	5,048.00	5,048.00	83.80	87.19	-11.84	-8,182.26	4,372.28	9,078.84	8,916.30	162.55	55.854		
10,200.00	7,630.00	5,048.00	5,048.00	83.56	87.19	-11.84	-8,182.26	4,372.28	8,983.10	8,820.77	162.33	55.338		
10,300.00	7,630.00	5,048.00	5,048.00	83.33	87.19	-11.84	-8,182.26	4,372.28	8,887.44	8,725.33	162.11	54.823		
10,400.00	7,630.00	5,048.00	5,048.00	83.12	87.19	-11.84	-8,182.26	4,372.28	8,791.88	8,630.00	161.89	54.309		
10,500.00	7,630.00	5,048.00	5,048.00	82.92	87.19	-11.84	-8,182.26	4,372.28	8,696.43	8,534.77	161.66	53.795		
10,600.00	7,630.00	5,048.00	5,048.00	82.75	87.19	-11.84	-8,182.26	4,372.28	8,601.07	8,439.65	161.42	53.282		
10,700.00	7,630.00	5,048.00	5,048.00	82.59	87.19	-11.84	-8,182.26	4,372.28	8,505.82	8,344.64	161.19	52.770		
10,800.00	7,630.00	5,048.00	5,048.00	82.45	87.19	-11.84	-8,182.26	4,372.28	8,410.69	8,249.74	160.94	52.259		
10,900.00	7,630.00	5,048.00	5,048.00	82.33	87.19	-11.84	-8,182.26	4,372.28	8,315.66	8,154.97	160.69	51.748		
11,000.00	7,630.00	5,048.00	5,048.00	82.22	87.19	-11.84	-8,182.26	4,372.28	8,220.76	8,060.32	160.44	51.239		
11,100.00	7,630.00	5,048.00	5,048.00	82.14	87.19	-11.84	-8,182.26	4,372.28	8,125.98	7,965.79	160.18	50.730		
11,200.00	7,630.00	5,048.00	5,048.00	82.08	87.19	-11.84	-8,182.26	4,372.28	8,031.32	7,871.40	159.92	50.222		
11,300.00	7,630.00	5,048.00	5,048.00	82.04	87.19	-11.84	-8,182.26	4,372.28	7,936.79	7,777.15	159.65	49.715		
11,400.00	7,630.00	5,048.00	5,048.00	82.02	87.19	-11.84	-8,182.26	4,372.28	7,842.40	7,683.04	159.37	49.209		
11,500.00	7,630.00	5,048.00	5,048.00	82.03	87.19	-11.84	-8,182.26	4,372.28	7,748.15	7,589.07	159.08	48.705		
11,600.00	7,630.00	5,048.00	5,048.00	82.06	87.19	-11.84	-8,182.26	4,372.28	7,654.05	7,495.26	158.79	48.201		
11,700.00	7,630.00	5,048.00	5,048.00	82.12	87.19	-11.84	-8,182.26	4,372.28	7,560.10	7,401.60	158.50	47.698		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - ABND VERT MANN 2 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INCL-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
11,800.00	7,630.00	5,048.00	5,048.00	82.21	87.19	-11.84	-8,182.26	4,372.28	7,466.31	7,308.11	158.19	47.197		
11,900.00	7,630.00	5,048.00	5,048.00	82.33	87.19	-11.84	-8,182.26	4,372.28	7,372.67	7,214.79	157.88	46.697		
12,000.00	7,630.00	5,048.00	5,048.00	82.48	87.19	-11.84	-8,182.26	4,372.28	7,279.21	7,121.65	157.57	46.198		
12,100.00	7,630.00	5,048.00	5,048.00	82.66	87.19	-11.84	-8,182.26	4,372.28	7,185.93	7,028.69	157.24	45.700		
12,200.00	7,630.00	5,048.00	5,048.00	82.88	87.19	-11.84	-8,182.26	4,372.28	7,092.82	6,935.92	156.91	45.204		
12,300.00	7,630.00	5,048.00	5,048.00	83.14	87.19	-11.84	-8,182.26	4,372.28	6,999.91	6,843.34	156.57	44.709		
12,400.00	7,630.00	5,048.00	5,048.00	83.44	87.19	-11.84	-8,182.26	4,372.28	6,907.20	6,750.98	156.22	44.215		
12,500.00	7,630.00	5,048.00	5,048.00	83.79	87.19	-11.84	-8,182.26	4,372.28	6,814.69	6,658.83	155.86	43.723		
12,600.00	7,630.00	5,048.00	5,048.00	84.18	87.19	-11.84	-8,182.26	4,372.28	6,722.39	6,566.90	155.49	43.233		
12,700.00	7,630.00	5,048.00	5,048.00	84.61	87.19	-11.84	-8,182.26	4,372.28	6,630.32	6,475.21	155.12	42.744		
12,800.00	7,630.00	5,048.00	5,048.00	85.10	87.19	-11.84	-8,182.26	4,372.28	6,538.48	6,383.75	154.73	42.257		
12,900.00	7,630.00	5,048.00	5,048.00	85.64	87.19	-11.84	-8,182.26	4,372.28	6,446.89	6,292.55	154.34	41.772		
13,000.00	7,630.00	5,048.00	5,048.00	86.22	87.19	-11.84	-8,182.26	4,372.28	6,355.55	6,201.62	153.93	41.288		
13,100.00	7,630.00	5,048.00	5,048.00	86.86	87.19	-11.84	-8,182.26	4,372.28	6,264.47	6,110.95	153.52	40.806		
13,200.00	7,630.00	5,048.00	5,048.00	87.56	87.19	-11.84	-8,182.26	4,372.28	6,173.67	6,020.58	153.09	40.326		
13,300.00	7,630.00	5,048.00	5,048.00	88.30	87.19	-11.84	-8,182.26	4,372.28	6,083.16	5,930.50	152.66	39.848		
13,400.00	7,630.00	5,048.00	5,048.00	89.10	87.19	-11.84	-8,182.26	4,372.28	5,992.95	5,840.74	152.21	39.372		
13,500.00	7,630.00	5,048.00	5,048.00	89.94	87.19	-11.84	-8,182.26	4,372.28	5,903.05	5,751.30	151.75	38.899		
13,600.00	7,630.00	5,048.00	5,048.00	90.84	87.19	-11.84	-8,182.26	4,372.28	5,813.49	5,662.20	151.29	38.427		
13,700.00	7,630.00	5,048.00	5,048.00	91.78	87.19	-11.84	-8,182.26	4,372.28	5,724.27	5,573.46	150.81	37.958		
13,800.00	7,630.00	5,048.00	5,048.00	92.77	87.19	-11.84	-8,182.26	4,372.28	5,635.41	5,485.10	150.31	37.491		
13,900.00	7,630.00	5,048.00	5,048.00	93.79	87.19	-11.84	-8,182.26	4,372.28	5,546.93	5,397.12	149.81	37.026		
14,000.00	7,630.00	5,048.00	5,048.00	94.86	87.19	-11.84	-8,182.26	4,372.28	5,458.85	5,309.56	149.29	36.564		
14,100.00	7,630.00	5,048.00	5,048.00	95.97	87.19	-11.84	-8,182.26	4,372.28	5,371.19	5,222.42	148.77	36.105		
14,200.00	7,630.00	5,048.00	5,048.00	97.11	87.19	-11.84	-8,182.26	4,372.28	5,283.96	5,135.74	148.23	35.648		
14,300.00	7,630.00	5,048.00	5,048.00	98.28	87.19	-11.84	-8,182.26	4,372.28	5,197.20	5,049.53	147.67	35.194		
14,400.00	7,630.00	5,048.00	5,048.00	99.48	87.19	-11.84	-8,182.26	4,372.28	5,110.92	4,963.81	147.11	34.743		
14,500.00	7,630.00	5,048.00	5,048.00	100.72	87.19	-11.84	-8,182.26	4,372.28	5,025.15	4,878.62	146.53	34.295		
14,600.00	7,630.00	5,048.00	5,048.00	101.97	87.19	-11.84	-8,182.26	4,372.28	4,939.91	4,793.97	145.94	33.849		
14,700.00	7,630.00	5,048.00	5,048.00	103.26	87.19	-11.84	-8,182.26	4,372.28	4,855.24	4,709.90	145.34	33.407		
14,800.00	7,630.00	5,048.00	5,048.00	104.56	87.19	-11.84	-8,182.26	4,372.28	4,771.15	4,626.43	144.72	32.968		
14,900.00	7,630.00	5,048.00	5,048.00	105.89	87.19	-11.84	-8,182.26	4,372.28	4,687.70	4,543.61	144.09	32.532		
15,000.00	7,630.00	5,048.00	5,048.00	107.24	87.19	-11.84	-8,182.26	4,372.28	4,604.90	4,461.45	143.45	32.100		
15,100.00	7,630.00	5,048.00	5,048.00	108.60	87.19	-11.84	-8,182.26	4,372.28	4,522.80	4,380.00	142.81	31.671		
15,200.00	7,630.00	5,048.00	5,048.00	109.98	87.19	-11.84	-8,182.26	4,372.28	4,441.43	4,299.29	142.15	31.246		
15,300.00	7,630.00	5,048.00	5,048.00	111.38	87.19	-11.84	-8,182.26	4,372.28	4,360.84	4,219.37	141.48	30.824		
15,400.00	7,630.00	5,048.00	5,048.00	112.79	87.19	-11.84	-8,182.26	4,372.28	4,281.07	4,140.27	140.80	30.406		
15,500.00	7,630.00	5,048.00	5,048.00	114.22	87.19	-11.84	-8,182.26	4,372.28	4,202.16	4,062.05	140.11	29.992		
15,600.00	7,630.00	5,048.00	5,048.00	115.66	87.19	-11.84	-8,182.26	4,372.28	4,124.17	3,984.75	139.42	29.582		
15,700.00	7,630.00	5,048.00	5,048.00	117.11	87.19	-11.84	-8,182.26	4,372.28	4,047.14	3,908.43	138.72	29.176		
15,800.00	7,630.00	5,048.00	5,048.00	118.57	87.19	-11.84	-8,182.26	4,372.28	3,971.14	3,833.13	138.01	28.774		
15,900.00	7,630.00	5,048.00	5,048.00	120.05	87.19	-11.84	-8,182.26	4,372.28	3,896.23	3,758.92	137.31	28.376		
16,000.00	7,630.00	5,048.00	5,048.00	121.53	87.19	-11.84	-8,182.26	4,372.28	3,822.46	3,685.86	136.60	27.983		
16,100.00	7,630.00	5,048.00	5,048.00	123.03	87.19	-11.84	-8,182.26	4,372.28	3,749.91	3,614.02	135.89	27.595		
16,200.00	7,630.00	5,048.00	5,048.00	124.53	87.19	-11.84	-8,182.26	4,372.28	3,678.64	3,543.46	135.19	27.212		
16,300.00	7,630.00	5,048.00	5,048.00	126.04	87.19	-11.84	-8,182.26	4,372.28	3,608.74	3,474.25	134.49	26.834		
16,400.00	7,630.00	5,048.00	5,048.00	127.56	87.19	-11.84	-8,182.26	4,372.28	3,540.28	3,406.49	133.79	26.461		
16,500.00	7,630.00	5,048.00	5,048.00	129.09	87.19	-11.84	-8,182.26	4,372.28	3,473.36	3,340.25	133.11	26.094		
16,600.00	7,630.00	5,048.00	5,048.00	130.62	87.19	-11.84	-8,182.26	4,372.28	3,408.05	3,275.62	132.43	25.734		
16,700.00	7,630.00	5,048.00	5,048.00	132.16	87.19	-11.84	-8,182.26	4,372.28	3,344.46	3,212.69	131.77	25.380		
16,800.00	7,630.00	5,048.00	5,048.00	133.71	87.19	-11.84	-8,182.26	4,372.28	3,282.69	3,151.56	131.13	25.034		
16,900.00	7,630.00	5,048.00	5,048.00	135.27	87.19	-11.84	-8,182.26	4,372.28	3,222.83	3,092.33	130.50	24.696		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SEC 26-T1N-R68W - ABND VERT MANN 2 - OWB - Design #1													<b>Offset Site Error:</b>	0.00 usft
Survey Program: 0-INC-ONLY													<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (")	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
17,000.00	7,630.00	5,048.00	5,048.00	136.83	87.19	-11.84	-8,182.26	4,372.28	3,165.00	3,035.11	129.89	24.366		
17,100.00	7,630.00	5,048.00	5,048.00	138.39	87.19	-11.84	-8,182.26	4,372.28	3,109.32	2,980.01	129.31	24.046		
17,200.00	7,630.00	5,048.00	5,048.00	139.97	87.19	-11.84	-8,182.26	4,372.28	3,055.89	2,927.14	128.75	23.736		
17,300.00	7,630.00	5,048.00	5,048.00	141.54	87.19	-11.84	-8,182.26	4,372.28	3,004.84	2,876.63	128.21	23.437		
17,400.00	7,630.00	5,048.00	5,048.00	143.12	87.19	-11.84	-8,182.26	4,372.28	2,956.30	2,828.59	127.70	23.150		
17,500.00	7,630.00	5,048.00	5,048.00	144.71	87.19	-11.84	-8,182.26	4,372.28	2,910.38	2,783.15	127.23	22.875		
17,600.00	7,630.00	5,048.00	5,048.00	146.30	87.19	-11.84	-8,182.26	4,372.28	2,867.21	2,740.42	126.79	22.614		
17,700.00	7,630.00	5,048.00	5,048.00	147.90	87.19	-11.84	-8,182.26	4,372.28	2,826.92	2,700.53	126.39	22.366		
17,800.00	7,630.00	5,048.00	5,048.00	149.50	87.19	-11.84	-8,182.26	4,372.28	2,789.64	2,663.60	126.05	22.132		
17,900.00	7,630.00	5,048.00	5,048.00	151.10	87.19	-11.84	-8,182.26	4,372.28	2,755.49	2,629.73	125.76	21.911		
18,000.00	7,630.00	5,048.00	5,048.00	152.71	87.19	-11.84	-8,182.26	4,372.28	2,724.58	2,599.03	125.55	21.701		
18,100.00	7,630.00	5,048.00	5,048.00	154.32	87.19	-11.84	-8,182.26	4,372.28	2,697.02	2,571.59	125.43	21.501		
18,200.00	7,630.00	5,048.00	5,048.00	155.94	87.19	-11.84	-8,182.26	4,372.28	2,672.93	2,547.48	125.44	21.308		
18,300.00	7,630.00	5,048.00	5,048.00	157.56	87.19	-11.84	-8,182.26	4,372.28	2,652.38	2,526.77	125.61	21.116		
18,400.00	7,630.00	5,048.00	5,048.00	159.18	87.19	-11.84	-8,182.26	4,372.28	2,635.48	2,509.50	125.97	20.921		
18,500.00	7,630.00	5,048.00	5,048.00	160.80	87.19	-11.84	-8,182.26	4,372.28	2,622.28	2,495.69	126.59	20.715		
18,600.00	7,630.00	5,048.00	5,048.00	162.43	87.19	-11.84	-8,182.26	4,372.28	2,612.85	2,485.35	127.50	20.493		
18,700.00	7,630.00	5,048.00	5,048.00	164.06	87.19	-11.84	-8,182.26	4,372.28	2,607.21	2,478.46	128.75	20.250		
18,796.97	7,630.00	5,048.00	5,048.00	165.65	87.19	-11.84	-8,182.26	4,372.28	2,605.41	2,475.09	130.32	19.992 CC		
18,800.00	7,630.00	5,048.00	5,048.00	165.70	87.19	-11.84	-8,182.26	4,372.28	2,605.41	2,475.03	130.38	19.984 ES		
18,900.00	7,630.00	5,048.00	5,048.00	167.33	87.19	-11.84	-8,182.26	4,372.28	2,607.45	2,475.07	132.37	19.698		
19,000.00	7,630.00	5,048.00	5,048.00	168.97	87.19	-11.84	-8,182.26	4,372.28	2,613.31	2,478.60	134.71	19.399		
19,021.79	7,630.00	5,048.00	5,048.00	169.33	87.19	-11.84	-8,182.26	4,372.28	2,615.09	2,479.83	135.26	19.333 SF		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 548-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	142.31	-4,068.90	3,143.54	5,141.79					
100.00	100.00	110.38	110.38	0.13	0.19	142.31	-4,068.87	3,143.22	5,141.59	5,141.26	0.33	N/A		
200.00	200.00	234.38	234.38	0.49	0.41	142.32	-4,068.74	3,142.07	5,140.94	5,140.03	0.91	5,678.062		
300.00	300.00	358.37	358.35	0.85	0.63	142.34	-4,068.52	3,140.09	5,139.82	5,138.34	1.48	3,468.564		
400.00	400.00	482.33	482.27	1.21	0.85	142.36	-4,068.20	3,137.29	5,138.24	5,136.18	2.06	2,496.535		
500.00	500.00	606.24	606.13	1.57	1.07	142.39	-4,067.79	3,133.66	5,136.19	5,133.56	2.63	1,949.674		
600.00	600.00	661.56	661.44	1.93	1.37	142.40	-4,067.54	3,132.68	5,134.57	5,131.27	3.30	1,557.615		
700.00	700.00	732.00	731.88	2.29	1.62	142.40	-4,066.96	3,132.34	5,133.58	5,129.68	3.90	1,316.807		
800.00	799.98	792.52	792.39	2.64	1.82	80.62	-4,066.15	3,133.13	5,132.95	5,128.50	4.46	1,151.893		
900.00	899.84	870.92	870.74	2.99	2.09	80.65	-4,064.59	3,135.37	5,132.26	5,127.18	5.07	1,011.485		
1,000.00	999.45	1,066.59	1,065.99	3.35	2.77	80.74	-4,056.18	3,144.72	5,130.43	5,124.31	6.12	838.677		
1,100.00	1,098.70	1,134.53	1,133.70	3.73	3.01	80.83	-4,052.11	3,148.57	5,127.20	5,120.46	6.73	761.548		
1,200.00	1,197.47	1,195.46	1,194.38	4.11	3.23	80.94	-4,048.49	3,152.77	5,124.15	5,116.81	7.34	697.987		
1,300.00	1,295.62	1,364.38	1,362.15	4.53	3.87	81.15	-4,035.65	3,167.52	5,120.45	5,112.06	8.39	610.641		
1,400.00	1,393.06	1,479.67	1,476.09	4.97	4.32	81.35	-4,023.45	3,180.18	5,115.13	5,105.85	9.28	551.275		
1,500.00	1,489.64	1,551.00	1,546.30	5.44	4.62	81.53	-4,014.94	3,189.40	5,109.44	5,099.40	10.04	508.748		
1,600.00	1,585.27	1,597.16	1,591.65	5.95	4.81	81.69	-4,009.41	3,196.02	5,104.08	5,093.33	10.75	474.784		
1,700.00	1,679.82	1,639.88	1,633.53	6.51	5.00	81.84	-4,004.44	3,202.78	5,099.35	5,087.86	11.49	443.878		
1,800.00	1,773.17	1,800.00	1,777.67	7.13	5.72	82.19	-3,985.89	3,228.19	5,094.28	5,081.46	12.81	397.550		
1,900.00	1,865.21	1,900.00	2,064.43	7.79	6.19	82.97	-3,943.58	3,272.68	5,085.55	5,071.62	13.93	365.110		
2,000.00	1,955.84	2,132.83	2,115.60	8.51	7.25	83.31	-3,936.13	3,279.15	5,075.69	5,059.98	15.72	322.972		
2,100.00	2,044.94	2,176.55	2,158.60	9.30	7.45	83.63	-3,930.47	3,284.76	5,066.68	5,049.98	16.70	303.444		
2,200.00	2,132.39	2,230.95	2,212.11	10.15	7.70	83.99	-3,923.85	3,291.95	5,058.29	5,040.50	17.79	284.325		
2,300.00	2,218.11	2,300.24	2,280.26	11.07	8.01	84.42	-3,915.75	3,301.49	5,050.41	5,031.39	19.02	265.532		
2,400.00	2,301.97	2,376.19	2,354.88	12.06	8.36	84.90	-3,906.81	3,312.45	5,042.77	5,022.42	20.35	247.780		
2,500.00	2,383.88	2,453.03	2,430.38	13.11	8.71	85.41	-3,897.99	3,323.67	5,035.42	5,013.66	21.76	231.401		
2,512.74	2,394.17	2,463.43	2,440.61	13.25	8.76	85.48	-3,896.81	3,325.18	5,034.50	5,012.55	21.95	229.388		
2,600.00	2,464.54	2,565.49	2,540.90	14.22	9.23	85.98	-3,885.18	3,340.08	5,028.36	5,004.97	23.39	215.020		
2,700.00	2,545.18	2,648.24	2,622.03	15.35	9.62	86.38	-3,874.86	3,352.70	5,021.14	4,996.24	24.90	201.621		
2,800.00	2,625.82	2,734.85	2,706.86	16.50	10.04	86.79	-3,864.18	3,366.53	5,014.71	4,988.25	26.46	189.508		
2,900.00	2,706.45	2,820.21	2,790.43	17.65	10.44	87.19	-3,853.40	3,380.18	5,008.43	4,980.40	28.03	178.709		
3,000.00	2,787.09	2,891.73	2,860.68	18.82	10.78	87.55	-3,845.26	3,390.80	5,002.88	4,973.35	29.53	169.416		
3,100.00	2,867.73	2,983.03	2,950.44	19.99	11.20	88.00	-3,835.18	3,404.16	4,997.88	4,966.75	31.13	160.549		
3,200.00	2,948.37	3,200.00	3,074.59	21.17	12.23	88.62	-3,820.06	3,423.28	4,992.73	4,959.40	33.33	149.788		
3,300.00	3,029.01	3,191.62	3,155.09	22.36	12.19	89.02	-3,809.91	3,435.59	4,987.62	4,953.14	34.48	144.651		
3,400.00	3,109.65	3,240.94	3,203.51	23.55	12.42	89.27	-3,804.18	3,443.01	4,983.48	4,947.57	35.91	138.776		
3,500.00	3,190.29	3,297.00	3,258.51	24.74	12.68	89.54	-3,798.04	3,451.96	4,980.55	4,943.18	37.37	133.265		
3,600.00	3,270.93	3,329.25	3,290.14	25.94	12.84	89.70	-3,794.73	3,457.32	4,978.78	4,940.05	38.73	128.565		
3,700.00	3,351.57	3,385.00	3,344.82	27.14	13.10	89.97	-3,789.52	3,466.83	4,978.28	4,938.10	40.19	123.872		
3,707.34	3,357.49	3,385.00	3,344.82	27.23	13.10	89.97	-3,789.52	3,466.83	4,978.28	4,938.00	40.28	123.602		
3,800.00	3,432.21	3,426.22	3,385.27	28.35	13.29	90.17	-3,785.99	3,473.98	4,978.88	4,937.30	41.58	119.745		
3,900.00	3,512.85	3,493.40	3,451.20	29.56	13.61	90.50	-3,780.64	3,485.66	4,980.44	4,937.35	43.09	115.573		
4,000.00	3,593.49	3,846.96	3,799.28	30.76	15.22	92.30	-3,746.03	3,536.44	4,978.39	4,932.48	45.91	108.448		
4,100.00	3,674.13	3,909.00	3,860.52	31.97	15.50	92.63	-3,739.50	3,543.87	4,976.47	4,929.08	47.39	105.021		
4,200.00	3,754.77	3,989.44	3,939.93	33.19	15.86	93.06	-3,731.27	3,553.64	4,975.31	4,926.37	48.94	101.656		
4,300.00	3,835.41	4,084.85	4,034.05	34.40	16.28	93.56	-3,721.21	3,565.63	4,974.48	4,923.92	50.56	98.385		
4,352.11	3,877.43	4,105.46	4,054.37	35.03	16.38	93.66	-3,719.03	3,568.32	4,974.31	4,923.03	51.28	96.997		
4,400.00	3,916.05	4,125.44	4,074.06	35.62	16.47	93.77	-3,716.98	3,571.03	4,974.46	4,922.51	51.95	95.758		
4,500.00	3,996.69	4,170.00	4,117.94	36.83	16.67	93.99	-3,712.60	3,577.44	4,975.69	4,922.34	53.35	93.272		
4,600.00	4,077.33	4,294.77	4,240.45	38.05	17.26	94.61	-3,699.32	3,596.99	4,977.04	4,921.91	55.12	90.292		
4,700.00	4,157.96	4,345.00	4,289.90	39.27	17.49	94.87	-3,694.36	3,604.24	4,979.09	4,922.54	56.54	88.058		
4,800.00	4,238.60	4,411.25	4,355.33	40.49	17.78	95.21	-3,688.64	3,612.94	4,982.09	4,924.07	58.02	85.874		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ ALAUX 4-0-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 548-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,900.00	4,319.24	4,479.19	4,422.61	41.71	18.07	95.58	-3,683.61	3,620.85	4,986.00	4,926.52	59.48	83.830		
5,000.00	4,399.88	4,565.95	4,508.88	42.93	18.41	96.08	-3,678.42	3,628.49	4,990.60	4,929.61	60.99	81.827		
5,100.00	4,480.52	4,656.88	4,599.53	44.15	18.74	96.63	-3,673.82	3,633.89	4,995.56	4,933.07	62.48	79.949		
5,200.00	4,561.16	4,740.30	4,682.81	45.37	19.03	97.16	-3,670.28	3,637.07	5,001.10	4,937.18	63.93	78.233		
5,300.00	4,641.80	4,812.24	4,754.69	46.59	19.26	97.62	-3,667.69	3,638.63	5,007.28	4,941.97	65.31	76.674		
5,400.00	4,722.44	4,871.42	4,813.85	47.82	19.45	98.01	-3,666.17	3,638.92	5,014.43	4,947.80	66.63	75.262		
5,500.00	4,803.08	4,956.17	4,898.58	49.04	19.69	98.58	-3,664.72	3,637.68	5,022.39	4,954.39	68.00	73.862		
5,600.00	4,883.72	5,063.59	5,005.92	50.27	19.99	99.33	-3,663.08	3,634.30	5,030.75	4,961.35	69.41	72.481		
5,700.00	4,964.36	5,146.71	5,088.97	51.49	20.22	99.91	-3,661.79	3,631.06	5,039.66	4,968.92	70.74	71.243		
5,800.00	5,045.00	5,241.37	5,183.53	52.71	20.48	100.57	-3,660.22	3,626.98	5,049.13	4,977.04	72.09	70.038		
5,900.00	5,125.64	5,335.75	5,277.80	53.94	20.74	101.22	-3,658.44	3,622.62	5,059.08	4,985.65	73.43	68.895		
6,000.00	5,206.28	5,367.40	5,309.43	55.17	20.84	101.44	-3,658.00	3,621.55	5,070.17	4,995.58	74.60	67.967		
6,100.00	5,286.92	5,415.05	5,357.05	56.39	20.97	101.77	-3,657.42	3,620.15	5,082.43	5,006.64	75.79	67.059		
6,200.00	5,367.56	5,480.00	5,421.99	57.62	21.16	102.20	-3,656.93	3,619.00	5,095.92	5,018.89	77.03	66.159		
6,300.00	5,448.20	5,527.96	5,469.95	58.84	21.30	102.52	-3,656.72	3,618.48	5,110.39	5,032.19	78.20	65.351		
6,400.00	5,528.84	5,601.40	5,543.38	60.07	21.52	103.01	-3,656.45	3,617.75	5,125.70	5,046.25	79.45	64.518		
6,500.00	5,609.47	5,676.98	5,618.96	61.30	21.74	103.50	-3,656.26	3,617.09	5,141.75	5,061.06	80.69	63.723		
6,600.00	5,690.11	5,758.08	5,700.06	62.53	21.98	104.04	-3,656.09	3,616.30	5,158.47	5,076.52	81.94	62.953		
6,700.00	5,770.75	5,839.90	5,781.87	63.75	22.22	104.57	-3,655.93	3,615.36	5,175.80	5,092.62	83.18	62.221		
6,800.00	5,851.39	5,927.93	5,869.89	64.98	22.49	105.15	-3,655.70	3,614.16	5,193.69	5,109.25	84.44	61.509		
6,900.00	5,932.03	6,015.74	5,957.69	66.21	22.75	105.72	-3,655.37	3,612.76	5,212.09	5,126.41	85.68	60.833		
7,000.00	6,012.67	6,102.86	6,044.79	67.44	23.01	106.29	-3,654.95	3,611.14	5,230.99	5,144.09	86.91	60.191		
7,100.00	6,093.31	6,189.81	6,131.72	68.66	23.27	106.85	-3,654.44	3,609.32	5,250.42	5,162.30	88.12	59.581		
7,200.00	6,173.95	6,262.59	6,204.48	69.89	23.49	107.33	-3,654.04	3,607.69	5,270.48	5,181.20	89.28	59.036		
7,300.00	6,254.59	6,336.87	6,278.75	71.12	23.71	107.81	-3,653.71	3,605.95	5,291.23	5,200.81	90.42	58.518		
7,400.00	6,335.23	6,426.23	6,368.07	72.35	23.99	108.38	-3,653.30	3,603.87	5,312.58	5,220.97	91.61	57.990		
7,500.00	6,415.87	6,520.28	6,462.11	73.58	24.27	108.98	-3,652.60	3,601.95	5,334.33	5,241.52	92.81	57.476		
7,600.00	6,496.51	6,602.20	6,544.01	74.81	24.53	109.49	-3,651.83	3,600.51	5,356.53	5,262.57	93.96	57.009		
7,700.00	6,577.15	6,683.37	6,625.16	76.04	24.79	110.00	-3,651.04	3,599.35	5,379.30	5,284.21	95.10	56.567		
7,800.00	6,657.79	6,765.44	6,707.23	77.27	25.05	110.50	-3,650.18	3,598.53	5,402.62	5,306.38	96.23	56.141		
7,900.00	6,738.43	6,848.42	6,790.20	78.50	25.32	111.00	-3,649.29	3,598.27	5,426.44	5,329.08	97.37	55.733		
8,000.00	6,819.07	6,923.76	6,865.54	79.73	25.56	111.45	-3,648.39	3,598.45	5,450.81	5,352.34	98.46	55.360		
8,100.00	6,899.71	6,994.82	6,936.60	80.96	25.80	111.87	-3,647.70	3,598.71	5,475.82	5,376.29	99.53	55.016		
8,200.00	6,980.35	7,066.03	7,007.80	82.18	26.03	112.29	-3,647.13	3,599.02	5,501.49	5,400.91	100.59	54.692		
8,240.58	7,013.07	7,095.17	7,036.93	82.68	26.13	112.46	-3,646.93	3,599.14	5,512.10	5,411.08	101.02	54.566		
8,250.00	7,020.68	7,101.94	7,043.71	82.80	26.15	111.32	-3,646.89	3,599.17	5,514.50	5,413.38	101.12	54.537		
8,300.00	7,061.63	7,138.35	7,080.12	83.40	26.27	104.80	-3,646.67	3,599.33	5,524.81	5,423.17	101.65	54.354		
8,350.00	7,103.23	7,175.31	7,117.08	83.97	26.39	97.68	-3,646.49	3,599.49	5,530.99	5,428.81	102.18	54.130		
8,400.00	7,145.18	7,212.55	7,154.31	84.51	26.51	90.21	-3,646.34	3,599.64	5,532.99	5,430.28	102.71	53.869		
8,450.00	7,187.16	7,261.24	7,203.00	85.01	26.67	82.78	-3,646.14	3,599.80	5,530.77	5,427.49	103.29	53.548		
8,500.00	7,228.84	7,315.79	7,257.56	85.46	26.85	75.68	-3,645.82	3,599.83	5,524.25	5,420.38	103.87	53.184		
8,550.00	7,269.91	7,369.25	7,311.01	85.86	27.02	69.15	-3,645.37	3,599.71	5,513.46	5,409.03	104.43	52.796		
8,600.00	7,310.05	7,422.17	7,363.93	86.20	27.19	63.35	-3,644.81	3,599.42	5,498.50	5,393.54	104.96	52.384		
8,650.00	7,348.97	7,474.58	7,416.33	86.50	27.36	58.36	-3,644.12	3,598.95	5,479.46	5,373.99	105.47	51.952		
8,700.00	7,386.36	7,524.46	7,466.20	86.74	27.53	54.14	-3,643.33	3,598.34	5,456.50	5,350.55	105.94	51.505		
8,750.00	7,421.94	7,571.45	7,513.17	86.93	27.68	50.66	-3,642.48	3,597.60	5,429.77	5,323.40	106.37	51.045		
8,800.00	7,455.44	7,595.60	7,537.32	87.07	27.76	47.69	-3,642.03	3,597.21	5,399.55	5,292.87	106.69	50.612		
8,850.00	7,486.61	7,616.56	7,558.28	87.16	27.83	45.30	-3,641.68	3,596.95	5,366.12	5,259.16	106.96	50.170		
8,900.00	7,515.20	7,635.90	7,577.61	87.20	27.89	43.44	-3,641.39	3,596.78	5,329.71	5,222.51	107.20	49.717		
8,950.00	7,541.00	7,653.44	7,595.15	87.21	27.95	42.09	-3,641.16	3,596.68	5,290.56	5,183.14	107.41	49.255		
9,000.00	7,563.81	7,669.02	7,610.73	87.17	28.00	41.24	-3,640.98	3,596.63	5,248.93	5,141.34	107.59	48.787		
9,050.00	7,583.47	7,682.50	7,624.21	87.10	28.04	40.95	-3,640.83	3,596.62	5,205.13	5,097.39	107.74	48.313		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ ALAUX 4-0-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 548-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,100.00	7,599.81	7,693.74	7,635.45	87.00	28.08	41.34	-3,640.73	3,596.63	5,159.45	5,051.59	107.86	47.836		
9,150.00	7,612.72	7,702.61	7,644.32	86.88	28.11	42.77	-3,640.65	3,596.66	5,112.21	5,004.26	107.95	47.358		
9,200.00	7,622.09	7,709.03	7,650.73	86.72	28.13	46.18	-3,640.60	3,596.68	5,063.77	4,955.75	108.02	46.880		
9,250.00	7,627.87	7,712.90	7,654.60	86.55	28.14	55.07	-3,640.57	3,596.70	5,014.47	4,906.41	108.06	46.404		
9,303.98	7,630.00	7,714.15	7,655.86	86.35	28.15	98.18	-3,640.56	3,596.71	4,960.70	4,852.61	108.08	45.896		
9,400.00	7,630.00	7,713.66	7,655.37	85.99	28.15	98.07	-3,640.57	3,596.71	4,864.81	4,756.70	108.11	44.999		
9,500.00	7,630.00	7,713.13	7,654.84	85.62	28.14	97.96	-3,640.57	3,596.70	4,764.95	4,656.82	108.13	44.065		
9,600.00	7,630.00	7,712.61	7,654.31	85.28	28.14	97.84	-3,640.57	3,596.70	4,665.10	4,556.94	108.16	43.131		
9,700.00	7,630.00	7,712.07	7,653.78	84.95	28.14	97.73	-3,640.58	3,596.70	4,565.26	4,457.07	108.19	42.197		
9,800.00	7,630.00	7,711.53	7,653.23	84.64	28.14	97.61	-3,640.58	3,596.70	4,465.42	4,357.20	108.22	41.262		
9,900.00	7,630.00	7,710.97	7,652.68	84.34	28.14	97.48	-3,640.59	3,596.69	4,365.59	4,257.34	108.25	40.327		
10,000.00	7,630.00	7,710.42	7,652.12	84.06	28.14	97.36	-3,640.59	3,596.69	4,265.77	4,157.49	108.29	39.393		
10,100.00	7,630.00	7,709.85	7,651.56	83.80	28.13	97.24	-3,640.59	3,596.69	4,165.96	4,057.64	108.33	38.458		
10,200.00	7,630.00	7,709.28	7,650.99	83.56	28.13	97.11	-3,640.60	3,596.68	4,066.16	3,957.80	108.36	37.523		
10,300.00	7,630.00	7,708.70	7,650.41	83.33	28.13	96.98	-3,640.60	3,596.68	3,966.37	3,857.96	108.41	36.588		
10,400.00	7,630.00	7,708.11	7,649.82	83.12	28.13	96.85	-3,640.61	3,596.68	3,866.58	3,758.13	108.45	35.653		
10,500.00	7,630.00	7,707.51	7,649.22	82.92	28.13	96.72	-3,640.61	3,596.68	3,766.81	3,658.32	108.50	34.718		
10,600.00	7,630.00	7,706.91	7,648.62	82.75	28.12	96.59	-3,640.62	3,596.67	3,667.06	3,558.51	108.55	33.784		
10,700.00	7,630.00	7,706.29	7,648.00	82.59	28.12	96.45	-3,640.62	3,596.67	3,567.31	3,458.71	108.60	32.849		
10,800.00	7,630.00	7,705.67	7,647.38	82.45	28.12	96.32	-3,640.63	3,596.67	3,467.58	3,358.93	108.65	31.914		
10,900.00	7,630.00	7,705.04	7,646.75	82.33	28.12	96.18	-3,640.63	3,596.67	3,367.86	3,259.15	108.71	30.979		
11,000.00	7,630.00	7,704.40	7,646.11	82.22	28.12	96.04	-3,640.64	3,596.66	3,268.17	3,159.39	108.78	30.045		
11,100.00	7,630.00	7,703.75	7,645.46	82.14	28.11	95.89	-3,640.64	3,596.66	3,168.49	3,059.64	108.84	29.110		
11,200.00	7,630.00	7,703.10	7,644.80	82.08	28.11	95.75	-3,640.65	3,596.66	3,068.83	2,959.91	108.92	28.176		
11,300.00	7,630.00	7,702.43	7,644.14	82.04	28.11	95.60	-3,640.65	3,596.66	2,969.20	2,860.20	108.99	27.242		
11,400.00	7,630.00	7,701.75	7,643.46	82.02	28.11	95.45	-3,640.66	3,596.65	2,869.59	2,760.51	109.08	26.308		
11,500.00	7,630.00	7,701.07	7,642.77	82.03	28.11	95.30	-3,640.66	3,596.65	2,770.00	2,660.84	109.16	25.375		
11,600.00	7,630.00	7,700.37	7,642.08	82.06	28.10	95.14	-3,640.67	3,596.65	2,670.45	2,561.19	109.26	24.441		
11,700.00	7,630.00	7,699.66	7,641.37	82.12	28.10	94.99	-3,640.68	3,596.65	2,570.94	2,461.58	109.36	23.509		
11,800.00	7,630.00	7,698.94	7,640.65	82.21	28.10	94.83	-3,640.68	3,596.64	2,471.46	2,361.99	109.47	22.576		
11,900.00	7,630.00	7,698.21	7,639.92	82.33	28.10	94.66	-3,640.69	3,596.64	2,372.03	2,262.43	109.59	21.644		
12,000.00	7,630.00	7,697.47	7,639.18	82.48	28.09	94.50	-3,640.69	3,596.64	2,272.64	2,162.92	109.72	20.713		
12,100.00	7,630.00	7,696.72	7,638.43	82.66	28.09	94.33	-3,640.70	3,596.64	2,173.31	2,063.45	109.86	19.782		
12,200.00	7,630.00	7,695.96	7,637.67	82.88	28.09	94.16	-3,640.71	3,596.64	2,074.05	1,964.03	110.02	18.852		
12,300.00	7,630.00	7,695.19	7,636.89	83.14	28.09	93.99	-3,640.71	3,596.63	1,974.86	1,864.67	110.19	17.923		
12,400.00	7,630.00	7,694.40	7,636.11	83.44	28.08	93.82	-3,640.72	3,596.63	1,875.76	1,765.38	110.37	16.995		
12,500.00	7,630.00	7,693.60	7,635.31	83.79	28.08	93.64	-3,640.73	3,596.63	1,776.75	1,666.17	110.58	16.068		
12,600.00	7,630.00	7,692.79	7,634.49	84.18	28.08	93.46	-3,640.74	3,596.63	1,677.86	1,567.06	110.81	15.142		
12,700.00	7,630.00	7,691.96	7,633.67	84.61	28.08	93.27	-3,640.74	3,596.63	1,579.12	1,468.05	111.06	14.218		
12,800.00	7,630.00	7,691.12	7,632.83	85.10	28.07	93.09	-3,640.75	3,596.62	1,480.54	1,369.19	111.35	13.296		
12,900.00	7,630.00	7,690.27	7,631.98	85.64	28.07	92.90	-3,640.76	3,596.62	1,382.16	1,270.49	111.67	12.377		
13,000.00	7,630.00	7,689.40	7,631.11	86.22	28.07	92.70	-3,640.77	3,596.62	1,284.04	1,171.99	112.04	11.460		
13,100.00	7,630.00	7,688.52	7,630.23	86.86	28.06	92.51	-3,640.78	3,596.62	1,186.22	1,073.76	112.47	10.547		
13,200.00	7,630.00	7,687.63	7,629.34	87.56	28.06	92.31	-3,640.78	3,596.62	1,088.81	975.85	112.96	9.639		
13,300.00	7,630.00	7,686.72	7,628.43	88.30	28.06	92.10	-3,640.79	3,596.62	991.91	878.37	113.53	8.737		
13,400.00	7,630.00	7,685.79	7,627.50	89.10	28.06	91.90	-3,640.80	3,596.62	895.68	781.47	114.21	7.842		
13,500.00	7,630.00	7,684.85	7,626.56	89.94	28.05	91.69	-3,640.81	3,596.62	800.39	685.37	115.02	6.959		
13,600.00	7,630.00	7,683.89	7,625.60	90.84	28.05	91.47	-3,640.82	3,596.62	706.39	590.41	115.98	6.091		
13,700.00	7,630.00	7,682.91	7,624.62	91.78	28.05	91.26	-3,640.83	3,596.62	614.29	497.16	117.14	5.244		
13,800.00	7,630.00	7,681.92	7,623.63	92.77	28.04	91.03	-3,640.84	3,596.62	525.09	406.60	118.49	4.431		
13,900.00	7,630.00	7,680.91	7,622.62	93.79	28.04	90.81	-3,640.85	3,596.62	440.55	320.58	119.96	3.672		
14,000.00	7,630.00	7,679.88	7,621.59	94.86	28.04	90.58	-3,640.86	3,596.62	363.93	242.77	121.16	3.004		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ ALAUX 4-0-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 548-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,100.00	7,630.00	7,678.84	7,620.55	95.97	28.03	90.35	-3,640.87	3,596.62	301.33	180.53	120.80	2.494		
14,200.00	7,630.00	7,677.77	7,619.48	97.11	28.03	90.11	-3,640.88	3,596.62	262.98	146.67	116.30	2.261 SF		
14,258.23	7,630.00	7,677.14	7,618.85	97.79	28.03	89.97	-3,640.89	3,596.62	256.45	145.29	111.16	2.307 CC, ES		
14,300.00	7,630.00	7,676.69	7,618.39	98.28	28.03	89.86	-3,640.89	3,596.62	259.83	152.97	106.86	2.431		
14,400.00	7,630.00	7,675.58	7,617.29	99.48	28.02	89.62	-3,640.90	3,596.62	293.02	194.84	98.18	2.984		
14,500.00	7,630.00	7,674.45	7,616.16	100.72	28.02	89.37	-3,640.92	3,596.62	352.44	257.91	94.52	3.729		
14,600.00	7,630.00	7,673.31	7,615.01	101.97	28.01	89.11	-3,640.93	3,596.62	427.27	333.02	94.25	4.534		
14,700.00	7,630.00	7,672.14	7,613.84	103.26	28.01	88.85	-3,640.94	3,596.62	510.79	415.60	95.19	5.366		
14,800.00	7,630.00	7,670.94	7,612.65	104.56	28.01	88.58	-3,640.95	3,596.62	599.37	503.00	96.37	6.219		
14,900.00	7,630.00	7,669.73	7,611.44	105.89	28.00	88.31	-3,640.97	3,596.62	691.07	593.59	97.49	7.089		
15,000.00	7,630.00	7,668.49	7,610.20	107.24	28.00	88.03	-3,640.98	3,596.63	784.80	686.34	98.46	7.971		
15,100.00	7,630.00	7,667.22	7,608.93	108.60	27.99	87.75	-3,641.00	3,596.63	879.92	780.62	99.29	8.862		
15,200.00	7,630.00	7,665.93	7,607.64	109.98	27.99	87.46	-3,641.01	3,596.63	976.00	876.01	100.00	9.760		
15,300.00	7,630.00	7,664.62	7,606.33	111.38	27.99	87.17	-3,641.03	3,596.64	1,072.80	972.21	100.60	10.664		
15,400.00	7,630.00	7,663.27	7,604.98	112.79	27.98	86.87	-3,641.04	3,596.64	1,170.14	1,069.03	101.12	11.572		
15,500.00	7,630.00	7,661.90	7,603.61	114.22	27.98	86.57	-3,641.06	3,596.64	1,267.89	1,166.33	101.56	12.484		
15,600.00	7,630.00	7,660.50	7,602.21	115.66	27.97	86.25	-3,641.07	3,596.65	1,365.97	1,264.02	101.96	13.398		
15,700.00	7,630.00	7,659.07	7,600.78	117.11	27.97	85.94	-3,641.09	3,596.65	1,464.31	1,362.00	102.30	14.314		
15,800.00	7,630.00	7,657.61	7,599.32	118.57	27.96	85.61	-3,641.11	3,596.66	1,562.85	1,460.24	102.61	15.231		
15,900.00	7,630.00	7,656.12	7,597.83	120.05	27.96	85.28	-3,641.13	3,596.66	1,661.57	1,558.69	102.88	16.150		
16,000.00	7,630.00	7,654.60	7,596.31	121.53	27.95	84.94	-3,641.15	3,596.67	1,760.43	1,657.30	103.13	17.070		
16,100.00	7,630.00	7,653.04	7,594.75	123.03	27.95	84.60	-3,641.16	3,596.68	1,859.41	1,756.06	103.35	17.991		
16,200.00	7,630.00	7,651.44	7,593.16	124.53	27.94	84.24	-3,641.18	3,596.69	1,958.50	1,854.94	103.56	18.913		
16,300.00	7,630.00	7,649.82	7,591.53	126.04	27.94	83.88	-3,641.21	3,596.69	2,057.67	1,953.93	103.74	19.834		
16,400.00	7,630.00	7,648.15	7,589.86	127.56	27.93	83.52	-3,641.23	3,596.70	2,156.92	2,053.00	103.91	20.757		
16,500.00	7,630.00	7,646.44	7,588.16	129.09	27.93	83.14	-3,641.25	3,596.71	2,256.23	2,152.16	104.07	21.679		
16,600.00	7,630.00	7,644.70	7,586.41	130.62	27.92	82.75	-3,641.27	3,596.72	2,355.60	2,251.38	104.22	22.602		
16,700.00	7,630.00	7,642.91	7,584.62	132.16	27.91	82.36	-3,641.30	3,596.73	2,455.02	2,350.66	104.36	23.525		
16,800.00	7,630.00	7,641.08	7,582.80	133.71	27.91	81.96	-3,641.32	3,596.74	2,554.49	2,450.00	104.49	24.448		
16,900.00	7,630.00	7,639.21	7,580.92	135.27	27.90	81.55	-3,641.35	3,596.76	2,653.99	2,549.38	104.61	25.371		
17,000.00	7,630.00	7,637.29	7,579.00	136.83	27.90	81.13	-3,641.37	3,596.77	2,753.53	2,648.81	104.72	26.294		
17,100.00	7,630.00	7,635.32	7,577.04	138.39	27.89	80.70	-3,641.40	3,596.78	2,853.10	2,748.27	104.83	27.217		
17,200.00	7,630.00	7,633.31	7,575.02	139.97	27.88	80.26	-3,641.43	3,596.80	2,952.70	2,847.77	104.93	28.139		
17,300.00	7,630.00	7,631.24	7,572.95	141.54	27.88	79.81	-3,641.46	3,596.82	3,052.32	2,947.29	105.03	29.062		
17,400.00	7,630.00	7,629.12	7,570.83	143.12	27.87	79.35	-3,641.49	3,596.83	3,151.97	3,046.85	105.12	29.984		
17,500.00	7,630.00	7,626.94	7,568.65	144.71	27.86	78.88	-3,641.52	3,596.85	3,251.64	3,146.43	105.21	30.906		
17,600.00	7,630.00	7,624.71	7,566.42	146.30	27.86	78.40	-3,641.56	3,596.87	3,351.32	3,246.03	105.29	31.828		
17,700.00	7,630.00	7,622.41	7,564.13	147.90	27.85	77.91	-3,641.59	3,596.89	3,451.02	3,345.65	105.38	32.750		
17,800.00	7,630.00	7,620.05	7,561.77	149.50	27.84	77.40	-3,641.63	3,596.92	3,550.74	3,445.29	105.45	33.671		
17,900.00	7,630.00	7,617.63	7,559.35	151.10	27.83	76.89	-3,641.66	3,596.94	3,650.48	3,544.95	105.53	34.592		
18,000.00	7,630.00	7,615.14	7,556.86	152.71	27.82	76.36	-3,641.70	3,596.97	3,750.22	3,644.62	105.60	35.513		
18,100.00	7,630.00	7,612.58	7,554.30	154.32	27.82	75.82	-3,641.74	3,597.00	3,849.98	3,744.31	105.67	36.433		
18,200.00	7,630.00	7,609.95	7,551.66	155.94	27.81	75.26	-3,641.79	3,597.03	3,949.75	3,844.01	105.74	37.353		
18,300.00	7,630.00	7,607.23	7,548.95	157.56	27.80	74.70	-3,641.83	3,597.06	4,049.53	3,943.72	105.81	38.272		
18,400.00	7,630.00	7,604.44	7,546.16	159.18	27.79	74.12	-3,641.88	3,597.09	4,149.32	4,043.45	105.87	39.191		
18,500.00	7,630.00	7,601.56	7,543.28	160.80	27.78	73.52	-3,641.93	3,597.13	4,249.12	4,143.18	105.94	40.110		
18,600.00	7,630.00	7,598.60	7,540.32	162.43	27.77	72.91	-3,641.98	3,597.17	4,348.93	4,242.93	106.00	41.028		
18,700.00	7,630.00	7,595.54	7,537.26	164.06	27.76	72.28	-3,642.03	3,597.21	4,448.74	4,342.68	106.06	41.946		
18,800.00	7,630.00	7,592.39	7,534.11	165.70	27.75	71.64	-3,642.09	3,597.26	4,548.56	4,442.44	106.12	42.864		
18,900.00	7,630.00	7,589.14	7,530.86	167.33	27.74	70.98	-3,642.15	3,597.31	4,648.39	4,542.21	106.17	43.780		
19,000.00	7,630.00	7,585.78	7,527.50	168.97	27.73	70.31	-3,642.21	3,597.36	4,748.22	4,641.99	106.23	44.697		
19,021.79	7,630.00	7,585.03	7,526.75	169.33	27.73	70.16	-3,642.22	3,597.37	4,769.98	4,663.73	106.24	44.897		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 74-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	31.57	31.57	0.00	0.05	163.47	-7,121.70	2,114.15	7,428.88					
100.00	100.00	152.41	152.40	0.13	0.38	163.46	-7,121.13	2,114.86	7,428.59	7,428.08	0.52	N/A		
200.00	200.00	232.19	232.18	0.49	0.66	163.46	-7,121.07	2,114.23	7,428.31	7,427.15	1.15	6,431.882		
233.99	233.99	257.00	256.99	0.61	0.75	163.47	-7,121.14	2,113.96	7,428.29	7,426.92	1.36	5,447.891		
300.00	300.00	292.52	292.50	0.85	0.87	163.47	-7,121.35	2,113.49	7,428.42	7,426.69	1.73	4,304.428		
400.00	400.00	349.00	348.97	1.21	1.07	163.48	-7,122.08	2,112.51	7,429.15	7,426.86	2.28	3,252.880		
500.00	500.00	411.54	411.49	1.57	1.30	163.49	-7,123.35	2,111.09	7,430.42	7,427.56	2.87	2,593.219		
600.00	600.00	481.29	481.18	1.93	1.55	163.51	-7,125.25	2,108.87	7,432.14	7,428.66	3.47	2,138.897		
700.00	700.00	568.07	567.75	2.29	1.87	163.56	-7,128.57	2,104.02	7,434.21	7,430.06	4.15	1,791.096		
800.00	799.98	944.99	940.56	2.64	3.39	102.22	-7,142.24	2,052.84	7,432.70	7,426.67	6.03	1,232.681		
846.27	846.21	962.85	958.02	2.80	3.47	102.25	-7,143.03	2,049.22	7,432.48	7,426.21	6.27	1,184.547		
900.00	899.84	986.00	980.65	2.99	3.58	102.30	-7,144.17	2,044.46	7,432.65	7,426.08	6.57	1,131.337		
1,000.00	999.45	1,064.38	1,056.95	3.35	3.96	102.46	-7,148.43	2,027.06	7,433.74	7,426.43	7.31	1,017.092		
1,100.00	1,098.70	1,096.00	1,087.60	3.73	4.11	102.50	-7,150.49	2,019.52	7,436.34	7,428.51	7.84	948.784		
1,200.00	1,197.47	1,127.46	1,118.03	4.11	4.28	102.51	-7,152.84	2,011.93	7,440.65	7,432.27	8.39	887.052		
1,300.00	1,295.62	1,152.43	1,142.19	4.53	4.40	102.47	-7,154.94	2,005.94	7,446.76	7,437.83	8.93	834.305		
1,400.00	1,393.06	1,183.00	1,171.73	4.97	4.56	102.43	-7,157.81	1,998.66	7,454.67	7,445.15	9.52	783.188		
1,500.00	1,489.64	1,214.86	1,202.47	5.44	4.74	102.36	-7,161.09	1,990.92	7,464.29	7,454.13	10.16	734.828		
1,600.00	1,585.27	1,271.00	1,256.32	5.95	5.04	102.38	-7,167.44	1,976.40	7,475.55	7,464.58	10.97	681.632		
1,700.00	1,679.82	1,271.00	1,256.32	6.51	5.04	102.12	-7,167.44	1,976.40	7,488.44	7,476.93	11.51	650.661		
1,800.00	1,773.17	1,325.36	1,308.25	7.13	5.36	102.09	-7,174.21	1,961.83	7,502.90	7,490.49	12.41	604.608		
1,900.00	1,865.21	1,358.00	1,339.41	7.79	5.55	101.93	-7,178.53	1,953.12	7,519.12	7,505.88	13.23	568.196		
2,000.00	1,955.84	1,463.69	1,440.29	8.51	6.17	102.12	-7,192.51	1,924.87	7,536.56	7,522.01	14.54	518.157		
2,100.00	2,044.94	1,512.60	1,486.94	9.30	6.47	102.00	-7,199.02	1,911.68	7,555.34	7,539.76	15.58	484.978		
2,200.00	2,132.39	1,552.08	1,524.55	10.15	6.71	101.82	-7,204.41	1,900.94	7,575.69	7,559.08	16.61	455.967		
2,300.00	2,218.11	1,584.67	1,555.52	11.07	6.91	101.56	-7,209.03	1,891.95	7,597.69	7,580.02	17.67	430.042		
2,400.00	2,301.97	1,620.00	1,589.04	12.06	7.13	101.29	-7,214.23	1,882.07	7,621.36	7,602.56	18.79	405.514		
2,500.00	2,383.88	1,648.84	1,616.38	13.11	7.31	100.96	-7,218.58	1,873.96	7,646.66	7,626.71	19.94	383.458		
2,512.74	2,394.17	1,653.07	1,620.39	13.25	7.34	100.92	-7,219.23	1,872.78	7,650.00	7,629.90	20.09	380.694		
2,600.00	2,464.54	1,681.95	1,647.76	14.22	7.52	101.09	-7,223.68	1,864.71	7,673.32	7,652.17	21.15	362.737		
2,700.00	2,545.18	1,722.35	1,686.05	15.35	7.78	101.35	-7,230.01	1,853.51	7,700.95	7,678.53	22.42	343.454		
2,800.00	2,625.82	2,231.00	2,171.98	16.50	10.92	104.42	-7,294.83	1,718.32	7,728.05	7,701.48	26.57	290.866		
2,900.00	2,706.45	2,272.30	2,211.72	17.65	11.17	104.67	-7,298.75	1,707.82	7,753.71	7,725.87	27.84	278.470		
3,000.00	2,787.09	2,318.00	2,255.58	18.82	11.44	104.94	-7,303.48	1,695.89	7,780.47	7,751.33	29.14	266.959		
3,100.00	2,867.73	2,328.70	2,265.84	19.99	11.51	105.00	-7,304.64	1,693.06	7,808.10	7,777.86	30.24	258.244		
3,200.00	2,948.37	3,200.00	2,380.47	21.17	16.75	105.71	-7,317.24	1,662.07	7,836.55	7,800.17	36.38	215.389		
3,300.00	3,029.01	2,654.91	2,579.80	22.36	13.45	106.90	-7,335.82	1,610.29	7,864.62	7,830.41	34.21	229.920		
3,400.00	3,109.65	2,667.00	2,591.45	23.55	13.52	106.97	-7,336.80	1,607.18	7,893.03	7,857.74	35.29	223.643		
3,500.00	3,190.29	2,711.99	2,634.75	24.74	13.79	107.23	-7,340.63	1,595.61	7,922.26	7,885.69	36.57	216.642		
3,600.00	3,270.93	2,755.00	2,676.15	25.94	14.05	107.48	-7,344.69	1,584.65	7,952.61	7,914.78	37.83	210.246		
3,700.00	3,351.57	2,774.50	2,694.92	27.14	14.16	107.59	-7,346.61	1,579.73	7,983.77	7,944.84	38.93	205.064		
3,800.00	3,432.21	2,900.66	2,816.76	28.35	14.89	108.31	-7,358.30	1,549.19	8,015.38	7,974.74	40.65	197.201		
3,900.00	3,512.85	3,056.82	2,968.19	29.56	15.77	109.18	-7,371.35	1,513.33	8,047.14	8,004.64	42.50	189.353		
4,000.00	3,593.49	3,131.00	3,040.04	30.76	16.19	109.59	-7,376.92	1,495.74	8,078.88	8,034.99	43.89	184.072		
4,100.00	3,674.13	3,164.01	3,071.94	31.97	16.38	109.77	-7,379.49	1,487.66	8,111.43	8,066.39	45.04	180.078		
4,200.00	3,754.77	3,191.00	3,097.98	33.19	16.53	109.93	-7,381.69	1,480.91	8,144.84	8,098.69	46.15	176.472		
4,300.00	3,835.41	3,229.12	3,134.71	34.40	16.76	110.14	-7,384.93	1,471.23	8,179.08	8,131.75	47.32	172.835		
4,400.00	3,916.05	3,261.34	3,165.71	35.62	16.95	110.32	-7,387.80	1,462.95	8,214.15	8,165.70	48.45	169.548		
4,500.00	3,996.69	3,278.00	3,181.73	36.83	17.05	110.41	-7,389.32	1,458.64	8,250.07	8,200.60	49.47	166.773		
4,600.00	4,077.33	3,307.16	3,209.77	38.05	17.23	110.58	-7,392.13	1,451.11	8,286.85	8,236.30	50.55	163.922		
4,700.00	4,157.96	3,326.86	3,228.70	39.27	17.35	110.69	-7,394.15	1,446.08	8,324.55	8,272.97	51.57	161.419		
4,800.00	4,238.60	3,366.00	3,266.33	40.49	17.58	110.90	-7,398.46	1,436.20	8,363.19	8,310.50	52.69	158.712		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ CRANDELL 0-6-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 74-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,900.00	4,319.24	4,900.00	3,310.25	41.71	26.90	111.16	-7,403.47	1,424.51	8,402.44	8,340.10	62.34	134.786		
5,000.00	4,399.88	5,000.00	3,429.75	42.93	27.61	111.85	-7,416.43	1,392.03	8,441.87	8,377.92	63.96	131.992		
5,100.00	4,480.52	5,100.00	3,433.36	44.15	18.65	111.87	-7,416.81	1,391.04	8,481.99	8,425.64	56.35	150.533		
5,200.00	4,561.16	4,947.73	4,820.71	45.37	24.19	118.18	-7,473.67	1,234.89	8,515.66	8,452.68	62.98	135.206		
5,300.00	4,641.80	5,068.40	4,941.31	46.59	24.48	118.62	-7,470.00	1,234.35	8,545.27	8,481.05	64.22	133.065		
5,400.00	4,722.44	5,152.29	5,025.17	47.82	24.68	118.93	-7,467.17	1,233.99	8,574.88	8,509.53	65.35	131.208		
5,500.00	4,803.08	5,214.72	5,087.56	49.04	24.83	119.16	-7,465.18	1,233.85	8,604.94	8,538.51	66.43	129.539		
5,600.00	4,883.72	5,277.22	5,150.03	50.27	24.98	119.39	-7,463.34	1,233.84	8,635.45	8,567.96	67.50	127.942		
5,700.00	4,964.36	5,286.00	5,158.81	51.49	25.00	119.42	-7,463.09	1,233.85	8,666.65	8,598.23	68.41	126.685		
5,800.00	5,045.00	5,337.83	5,210.63	52.71	25.14	119.60	-7,461.92	1,233.69	8,698.42	8,628.97	69.45	125.255		
5,900.00	5,125.64	5,365.34	5,238.13	53.94	25.22	119.70	-7,461.52	1,233.43	8,731.06	8,660.66	70.40	124.022		
6,000.00	5,206.28	5,392.58	5,265.36	55.17	25.29	119.80	-7,461.28	1,233.06	8,764.48	8,693.13	71.34	122.851		
6,100.00	5,286.92	5,461.00	5,333.77	56.39	25.48	120.06	-7,461.34	1,231.60	8,798.94	8,726.54	72.40	121.529		
6,200.00	5,367.56	5,461.00	5,333.77	57.62	25.48	120.06	-7,461.34	1,231.60	8,833.62	8,760.38	73.24	120.607		
6,300.00	5,448.20	5,487.74	5,360.50	58.84	25.55	120.15	-7,461.57	1,230.91	8,869.24	8,795.08	74.16	119.598		
6,400.00	5,528.84	5,548.10	5,420.84	60.07	25.73	120.37	-7,462.22	1,229.63	8,905.39	8,830.21	75.18	118.458		
6,500.00	5,609.47	5,608.80	5,481.53	61.30	25.90	120.59	-7,463.05	1,228.70	8,941.97	8,865.78	76.19	117.361		
6,600.00	5,690.11	6,600.00	5,627.62	62.53	28.65	121.11	-7,464.52	1,227.73	8,978.28	8,898.41	79.87	112.412		
6,700.00	5,770.75	5,969.05	5,841.75	63.75	26.91	121.85	-7,464.49	1,226.33	9,014.02	8,935.03	78.98	114.128		
6,800.00	5,851.39	6,800.00	5,987.95	64.98	29.17	122.36	-7,462.60	1,225.49	9,048.95	8,966.72	82.22	110.054		
6,900.00	5,932.03	6,241.65	6,114.32	66.21	27.64	122.78	-7,460.47	1,225.28	9,083.88	9,002.43	81.46	111.519		
7,000.00	6,012.67	6,309.86	6,182.51	67.44	27.83	123.02	-7,459.23	1,224.86	9,119.08	9,036.61	82.47	110.574		
7,100.00	6,093.31	6,394.97	6,267.61	68.66	28.06	123.30	-7,457.69	1,223.99	9,154.59	9,071.05	83.54	109.588		
7,200.00	6,173.95	6,489.93	6,362.55	69.89	28.33	123.62	-7,455.88	1,223.21	9,190.23	9,105.60	84.63	108.591		
7,300.00	6,254.59	6,557.45	6,430.05	71.12	28.51	123.85	-7,454.60	1,222.84	9,226.08	9,140.45	85.63	107.744		
7,400.00	6,335.23	6,618.20	6,490.80	72.35	28.68	124.05	-7,453.62	1,222.75	9,262.34	9,175.74	86.60	106.955		
7,500.00	6,415.87	6,683.00	6,555.59	73.58	28.85	124.26	-7,452.79	1,222.92	9,299.00	9,211.42	87.58	106.179		
7,600.00	6,496.51	6,766.63	6,639.21	74.81	29.08	124.53	-7,451.81	1,223.32	9,335.95	9,247.34	88.61	105.360		
7,700.00	6,577.15	6,855.99	6,728.57	76.04	29.32	124.81	-7,450.70	1,223.79	9,373.05	9,283.39	89.65	104.547		
7,800.00	6,657.79	6,956.94	6,829.51	77.27	29.59	125.13	-7,449.28	1,224.24	9,410.24	9,319.50	90.74	103.710		
7,900.00	6,738.43	7,058.08	6,930.63	78.50	29.87	125.45	-7,447.59	1,224.50	9,447.47	9,355.66	91.81	102.900		
8,000.00	6,819.07	7,111.57	6,984.12	79.73	30.02	125.62	-7,446.76	1,224.61	9,485.01	9,392.27	92.73	102.283		
8,100.00	6,899.71	7,174.71	7,047.25	80.96	30.19	125.82	-7,445.88	1,224.70	9,522.89	9,429.22	93.68	101.656		
8,200.00	6,980.35	7,267.45	7,139.98	82.18	30.45	126.11	-7,444.69	1,224.91	9,561.08	9,466.36	94.72	100.943		
8,240.58	7,013.07	7,317.94	7,190.46	82.68	30.59	126.27	-7,443.96	1,225.17	9,576.56	9,481.38	95.18	100.614		
8,250.00	7,020.68	7,329.71	7,202.23	82.80	30.62	125.03	-7,443.78	1,225.25	9,580.08	9,484.79	95.29	100.537		
8,300.00	7,061.63	7,393.13	7,265.64	83.40	30.80	118.11	-7,442.76	1,225.79	9,596.36	9,500.48	95.88	100.090		
8,350.00	7,103.23	7,418.44	7,290.95	83.97	30.87	110.58	-7,442.36	1,226.01	9,608.62	9,512.26	96.35	99.724		
8,400.00	7,145.18	7,449.68	7,322.19	84.51	30.96	102.82	-7,441.89	1,226.26	9,616.81	9,519.96	96.86	99.288		
8,450.00	7,187.16	7,480.86	7,353.36	85.01	31.04	95.13	-7,441.44	1,226.48	9,620.90	9,523.54	97.37	98.811		
8,500.00	7,228.84	7,511.74	7,384.24	85.46	31.13	87.82	-7,441.04	1,226.67	9,620.86	9,522.98	97.87	98.298		
8,550.00	7,269.91	7,542.10	7,414.60	85.86	31.21	81.16	-7,440.66	1,226.83	9,616.68	9,518.31	98.37	97.757		
8,600.00	7,310.05	7,577.32	7,449.81	86.20	31.31	75.34	-7,440.26	1,226.98	9,608.40	9,509.52	98.88	97.174		
8,650.00	7,348.97	7,616.20	7,488.69	86.50	31.42	70.41	-7,439.81	1,227.15	9,596.05	9,496.67	99.38	96.557		
8,700.00	7,386.36	7,653.49	7,525.97	86.74	31.53	66.36	-7,439.38	1,227.30	9,579.73	9,479.87	99.86	95.929		
8,750.00	7,421.94	7,688.91	7,561.40	86.93	31.63	63.13	-7,438.98	1,227.45	9,559.55	9,459.23	100.32	95.293		
8,800.00	7,455.44	7,722.20	7,594.68	87.07	31.72	60.67	-7,438.59	1,227.58	9,535.67	9,434.93	100.74	94.654		
8,850.00	7,486.61	7,751.87	7,624.35	87.16	31.81	58.95	-7,438.25	1,227.71	9,508.27	9,407.14	101.13	94.019		
8,900.00	7,515.20	7,778.65	7,651.13	87.20	31.88	57.92	-7,437.97	1,227.87	9,477.55	9,376.06	101.49	93.388		
8,950.00	7,541.00	7,802.84	7,675.31	87.21	31.95	57.61	-7,437.72	1,228.05	9,443.74	9,341.93	101.81	92.760		
9,000.00	7,563.81	7,824.23	7,696.70	87.17	32.01	58.06	-7,437.51	1,228.23	9,407.08	9,304.99	102.10	92.138		
9,050.00	7,583.47	7,842.64	7,715.11	87.10	32.06	59.37	-7,437.34	1,228.41	9,367.86	9,265.50	102.35	91.524		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ CRANDELL 0-6-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 74-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,100.00	7,599.81	7,857.92	7,730.39	87.00	32.10	61.72	-7,437.20	1,228.57	9,326.34	9,223.76	102.58	90.920		
9,150.00	7,612.72	7,869.93	7,742.40	86.88	32.14	65.44	-7,437.10	1,228.71	9,282.84	9,180.07	102.77	90.327		
9,200.00	7,622.09	7,878.56	7,751.03	86.72	32.16	71.02	-7,437.02	1,228.81	9,237.68	9,134.75	102.93	89.747		
9,250.00	7,627.87	7,883.73	7,756.19	86.55	32.17	79.26	-7,436.98	1,228.88	9,191.19	9,088.13	103.06	89.181		
9,303.98	7,630.00	7,885.36	7,757.83	86.35	32.18	92.30	-7,436.97	1,228.90	9,139.90	9,036.72	103.17	88.587		
9,400.00	7,630.00	7,884.60	7,757.07	85.99	32.18	92.28	-7,436.97	1,228.89	9,047.92	8,944.58	103.35	87.549		
9,500.00	7,630.00	7,883.81	7,756.28	85.62	32.18	92.26	-7,436.98	1,228.88	8,952.23	8,848.70	103.53	86.468		
9,600.00	7,630.00	7,883.01	7,755.48	85.28	32.17	92.25	-7,436.99	1,228.87	8,856.64	8,752.91	103.72	85.387		
9,700.00	7,630.00	7,882.21	7,754.68	84.95	32.17	92.23	-7,436.99	1,228.86	8,761.14	8,657.22	103.92	84.306		
9,800.00	7,630.00	7,881.41	7,753.88	84.64	32.17	92.21	-7,437.00	1,228.85	8,665.74	8,561.62	104.13	83.224		
9,900.00	7,630.00	7,880.60	7,753.07	84.34	32.17	92.19	-7,437.01	1,228.84	8,570.45	8,466.12	104.34	82.143		
10,000.00	7,630.00	7,879.79	7,752.26	84.06	32.16	92.18	-7,437.01	1,228.83	8,475.27	8,370.72	104.55	81.062		
10,100.00	7,630.00	7,878.98	7,751.45	83.80	32.16	92.16	-7,437.02	1,228.82	8,380.20	8,275.42	104.78	79.981		
10,200.00	7,630.00	7,878.16	7,750.63	83.56	32.16	92.14	-7,437.03	1,228.81	8,285.24	8,180.23	105.01	78.900		
10,300.00	7,630.00	7,877.34	7,749.81	83.33	32.16	92.12	-7,437.03	1,228.80	8,190.41	8,085.16	105.25	77.819		
10,400.00	7,630.00	7,876.52	7,748.99	83.12	32.15	92.10	-7,437.04	1,228.79	8,095.70	7,990.20	105.50	76.739		
10,500.00	7,630.00	7,875.69	7,748.16	82.92	32.15	92.09	-7,437.05	1,228.78	8,001.12	7,895.37	105.75	75.659		
10,600.00	7,630.00	7,874.86	7,747.33	82.75	32.15	92.07	-7,437.06	1,228.77	7,906.67	7,800.65	106.02	74.580		
10,700.00	7,630.00	7,874.03	7,746.50	82.59	32.15	92.05	-7,437.06	1,228.76	7,812.36	7,706.07	106.29	73.501		
10,800.00	7,630.00	7,873.19	7,745.66	82.45	32.15	92.03	-7,437.07	1,228.75	7,718.19	7,611.62	106.57	72.423		
10,900.00	7,630.00	7,872.35	7,744.82	82.33	32.14	92.01	-7,437.08	1,228.74	7,624.17	7,517.31	106.86	71.346		
11,000.00	7,630.00	7,871.50	7,743.97	82.22	32.14	92.00	-7,437.08	1,228.73	7,530.31	7,423.14	107.16	70.269		
11,100.00	7,630.00	7,870.66	7,743.12	82.14	32.14	91.98	-7,437.09	1,228.72	7,436.60	7,329.13	107.48	69.194		
11,200.00	7,630.00	7,869.80	7,742.27	82.08	32.14	91.96	-7,437.10	1,228.71	7,343.06	7,235.27	107.80	68.119		
11,300.00	7,630.00	7,868.95	7,741.42	82.04	32.13	91.94	-7,437.11	1,228.70	7,249.70	7,141.57	108.13	67.046		
11,400.00	7,630.00	7,868.09	7,740.56	82.02	32.13	91.92	-7,437.11	1,228.69	7,156.51	7,048.03	108.48	65.974		
11,500.00	7,630.00	7,867.22	7,739.69	82.03	32.13	91.90	-7,437.12	1,228.68	7,063.51	6,954.68	108.83	64.903		
11,600.00	7,630.00	7,866.36	7,738.83	82.06	32.13	91.88	-7,437.13	1,228.67	6,970.70	6,861.50	109.20	63.834		
11,700.00	7,630.00	7,865.49	7,737.96	82.12	32.12	91.86	-7,437.13	1,228.66	6,878.09	6,768.51	109.58	62.767		
11,800.00	7,630.00	7,864.61	7,737.08	82.21	32.12	91.84	-7,437.14	1,228.65	6,785.70	6,675.72	109.98	61.701		
11,900.00	7,630.00	7,863.73	7,736.20	82.33	32.12	91.82	-7,437.15	1,228.64	6,693.52	6,583.13	110.39	60.638		
12,000.00	7,630.00	7,862.85	7,735.32	82.48	32.12	91.81	-7,437.16	1,228.63	6,601.57	6,490.76	110.81	59.576		
12,100.00	7,630.00	7,861.96	7,734.43	82.66	32.11	91.79	-7,437.17	1,228.62	6,509.86	6,398.61	111.25	58.517		
12,200.00	7,630.00	7,861.07	7,733.54	82.88	32.11	91.77	-7,437.17	1,228.61	6,418.39	6,306.69	111.70	57.461		
12,300.00	7,630.00	7,860.18	7,732.65	83.14	32.11	91.75	-7,437.18	1,228.60	6,327.18	6,215.01	112.17	56.407		
12,400.00	7,630.00	7,859.28	7,731.75	83.44	32.11	91.73	-7,437.19	1,228.59	6,236.25	6,123.59	112.66	55.356		
12,500.00	7,630.00	7,858.38	7,730.85	83.79	32.10	91.71	-7,437.20	1,228.58	6,145.59	6,032.43	113.16	54.308		
12,600.00	7,630.00	7,857.47	7,729.94	84.18	32.10	91.69	-7,437.20	1,228.57	6,055.23	5,941.54	113.68	53.264		
12,700.00	7,630.00	7,856.56	7,729.03	84.61	32.10	91.67	-7,437.21	1,228.56	5,965.17	5,850.95	114.22	52.223		
12,800.00	7,630.00	7,855.65	7,728.12	85.10	32.10	91.65	-7,437.22	1,228.55	5,875.44	5,760.65	114.79	51.186		
12,900.00	7,630.00	7,854.73	7,727.20	85.64	32.09	91.63	-7,437.23	1,228.54	5,786.04	5,670.67	115.37	50.153		
13,000.00	7,630.00	7,853.81	7,726.28	86.22	32.09	91.61	-7,437.24	1,228.53	5,697.00	5,581.03	115.97	49.125		
13,100.00	7,630.00	7,852.88	7,725.35	86.86	32.09	91.59	-7,437.25	1,228.52	5,608.32	5,491.73	116.59	48.101		
13,200.00	7,630.00	7,851.95	7,724.42	87.56	32.09	91.57	-7,437.25	1,228.51	5,520.03	5,402.79	117.24	47.082		
13,300.00	7,630.00	7,851.02	7,723.49	88.30	32.08	91.55	-7,437.26	1,228.50	5,432.15	5,314.24	117.91	46.069		
13,400.00	7,630.00	7,850.08	7,722.55	89.10	32.08	91.53	-7,437.27	1,228.49	5,344.69	5,226.08	118.61	45.061		
13,500.00	7,630.00	7,849.14	7,721.61	89.94	32.08	91.50	-7,437.28	1,228.48	5,257.68	5,138.35	119.33	44.059		
13,600.00	7,630.00	7,848.19	7,720.66	90.84	32.08	91.48	-7,437.29	1,228.47	5,171.14	5,051.06	120.08	43.064		
13,700.00	7,630.00	7,847.24	7,719.71	91.78	32.07	91.46	-7,437.30	1,228.46	5,085.10	4,964.24	120.86	42.075		
13,800.00	7,630.00	7,846.28	7,718.75	92.77	32.07	91.44	-7,437.30	1,228.45	4,999.57	4,877.91	121.66	41.093		
13,900.00	7,630.00	7,845.32	7,717.79	93.79	32.07	91.42	-7,437.31	1,228.44	4,914.59	4,792.09	122.50	40.120		
14,000.00	7,630.00	7,844.36	7,716.83	94.86	32.06	91.40	-7,437.32	1,228.43	4,830.18	4,706.82	123.36	39.154		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ CRANDELL 0-6-26 - OWB - FINAL SURVEY													Offset Site Error: 0.00 usft	
Survey Program: 74-MWD OWSG													Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis		Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,100.00	7,630.00	7,843.39	7,715.86	95.97	32.06	91.38	-7,437.33	1,228.42	4,746.38	4,622.12	124.26	38.197		
14,200.00	7,630.00	7,842.41	7,714.88	97.11	32.06	91.36	-7,437.34	1,228.41	4,663.22	4,538.03	125.19	37.248		
14,300.00	7,630.00	7,841.43	7,713.91	98.28	32.06	91.34	-7,437.35	1,228.40	4,580.73	4,454.57	126.16	36.310		
14,400.00	7,630.00	7,840.45	7,712.92	99.48	32.05	91.31	-7,437.36	1,228.39	4,498.95	4,371.80	127.16	35.381		
14,500.00	7,630.00	7,839.46	7,711.94	100.72	32.05	91.29	-7,437.37	1,228.38	4,417.92	4,289.73	128.19	34.464		
14,600.00	7,630.00	7,838.47	7,710.94	101.97	32.05	91.27	-7,437.38	1,228.37	4,337.68	4,208.42	129.26	33.557		
14,700.00	7,630.00	7,837.48	7,709.95	103.26	32.05	91.25	-7,437.38	1,228.36	4,258.28	4,127.91	130.37	32.663		
14,800.00	7,630.00	7,836.48	7,708.95	104.56	32.04	91.23	-7,437.39	1,228.35	4,179.76	4,048.25	131.52	31.781		
14,900.00	7,630.00	7,835.47	7,707.94	105.89	32.04	91.21	-7,437.40	1,228.34	4,102.18	3,969.48	132.70	30.912		
15,000.00	7,630.00	7,834.46	7,706.93	107.24	32.04	91.18	-7,437.41	1,228.33	4,025.59	3,891.66	133.93	30.058		
15,100.00	7,630.00	7,833.44	7,705.92	108.60	32.03	91.16	-7,437.42	1,228.32	3,950.04	3,814.85	135.19	29.218		
15,200.00	7,630.00	7,832.42	7,704.90	109.98	32.03	91.14	-7,437.43	1,228.31	3,875.60	3,739.10	136.50	28.393		
15,300.00	7,630.00	7,831.40	7,703.87	111.38	32.03	91.12	-7,437.44	1,228.30	3,802.33	3,664.49	137.84	27.585		
15,400.00	7,630.00	7,830.37	7,702.84	112.79	32.03	91.09	-7,437.45	1,228.29	3,730.31	3,591.08	139.22	26.793		
15,500.00	7,630.00	7,829.33	7,701.81	114.22	32.02	91.07	-7,437.46	1,228.28	3,659.60	3,518.95	140.65	26.020		
15,600.00	7,630.00	7,828.30	7,700.77	115.66	32.02	91.05	-7,437.47	1,228.27	3,590.28	3,448.17	142.11	25.265		
15,700.00	7,630.00	7,827.25	7,699.72	117.11	32.02	91.02	-7,437.48	1,228.26	3,522.43	3,378.83	143.60	24.529		
15,800.00	7,630.00	7,826.20	7,698.67	118.57	32.01	91.00	-7,437.49	1,228.25	3,456.15	3,311.02	145.13	23.814		
15,900.00	7,630.00	7,825.15	7,697.62	120.05	32.01	90.98	-7,437.50	1,228.24	3,391.52	3,244.83	146.69	23.120		
16,000.00	7,630.00	7,824.09	7,696.56	121.53	32.01	90.96	-7,437.51	1,228.23	3,328.64	3,180.37	148.28	22.449		
16,100.00	7,630.00	7,823.02	7,695.50	123.03	32.00	90.93	-7,437.52	1,228.22	3,267.62	3,117.73	149.89	21.800		
16,200.00	7,630.00	7,821.95	7,694.43	124.53	32.00	90.91	-7,437.53	1,228.21	3,208.54	3,057.02	151.52	21.176		
16,300.00	7,630.00	7,820.88	7,693.35	126.04	32.00	90.89	-7,437.54	1,228.20	3,151.54	2,998.37	153.17	20.576		
16,400.00	7,630.00	7,819.80	7,692.27	127.56	32.00	90.86	-7,437.55	1,228.19	3,096.71	2,941.89	154.82	20.002		
16,500.00	7,630.00	7,818.71	7,691.19	129.09	31.99	90.84	-7,437.56	1,228.18	3,044.18	2,887.71	156.47	19.455		
16,600.00	7,630.00	7,817.62	7,690.10	130.62	31.99	90.81	-7,437.57	1,228.17	2,994.07	2,835.95	158.12	18.935		
16,700.00	7,630.00	7,816.53	7,689.00	132.16	31.99	90.79	-7,437.58	1,228.16	2,946.51	2,786.76	159.75	18.444		
16,800.00	7,630.00	7,815.42	7,687.90	133.71	31.98	90.77	-7,437.59	1,228.15	2,901.61	2,740.26	161.35	17.983		
16,900.00	7,630.00	7,814.32	7,686.79	135.27	31.98	90.74	-7,437.60	1,228.14	2,859.50	2,696.58	162.92	17.552		
17,000.00	7,630.00	7,813.21	7,685.68	136.83	31.98	90.72	-7,437.62	1,228.13	2,820.32	2,655.88	164.44	17.151		
17,100.00	7,630.00	7,812.09	7,684.56	138.39	31.97	90.69	-7,437.63	1,228.12	2,784.17	2,618.28	165.89	16.783		
17,200.00	7,630.00	7,810.97	7,683.44	139.97	31.97	90.67	-7,437.64	1,228.12	2,751.19	2,583.91	167.27	16.447		
17,300.00	7,630.00	7,809.84	7,682.31	141.54	31.97	90.64	-7,437.65	1,228.11	2,721.48	2,552.91	168.57	16.144		
17,400.00	7,630.00	7,808.70	7,681.18	143.12	31.96	90.62	-7,437.66	1,228.10	2,695.15	2,525.39	169.77	15.876		
17,500.00	7,630.00	7,807.56	7,680.04	144.71	31.96	90.59	-7,437.67	1,228.09	2,672.31	2,501.46	170.85	15.641		
17,600.00	7,630.00	7,806.42	7,678.89	146.30	31.96	90.57	-7,437.68	1,228.08	2,653.05	2,481.23	171.81	15.441		
17,700.00	7,630.00	7,805.27	7,677.74	147.90	31.95	90.54	-7,437.69	1,228.07	2,637.44	2,464.79	172.64	15.277		
17,800.00	7,630.00	7,804.11	7,676.58	149.50	31.95	90.52	-7,437.70	1,228.06	2,625.54	2,452.22	173.33	15.148		
17,900.00	7,630.00	7,802.95	7,675.42	151.10	31.95	90.49	-7,437.72	1,228.05	2,617.42	2,443.56	173.86	15.055		
18,000.00	7,630.00	7,801.78	7,674.25	152.71	31.95	90.47	-7,437.73	1,228.04	2,613.10	2,438.86	174.23	14.998		
18,063.02	7,630.00	7,801.04	7,673.51	153.73	31.94	90.45	-7,437.74	1,228.03	2,612.34	2,437.95	174.39	14.980 CC, ES		
18,100.00	7,630.00	7,800.60	7,673.08	154.32	31.94	90.44	-7,437.74	1,228.03	2,612.60	2,438.15	174.45	14.976 SF		
18,200.00	7,630.00	7,799.42	7,671.90	155.94	31.94	90.41	-7,437.75	1,228.02	2,615.93	2,441.43	174.50	14.991		
18,300.00	7,630.00	7,798.23	7,670.71	157.56	31.94	90.39	-7,437.76	1,228.01	2,623.06	2,448.68	174.38	15.042		
18,400.00	7,630.00	7,797.04	7,669.52	159.18	31.93	90.36	-7,437.78	1,228.00	2,633.98	2,459.87	174.11	15.128		
18,500.00	7,630.00	7,795.84	7,668.32	160.80	31.93	90.34	-7,437.79	1,227.99	2,648.63	2,474.95	173.68	15.250		
18,600.00	7,630.00	7,794.64	7,667.11	162.43	31.93	90.31	-7,437.80	1,227.98	2,666.95	2,493.84	173.11	15.406		
18,700.00	7,630.00	7,793.43	7,665.90	164.06	31.92	90.28	-7,437.81	1,227.98	2,688.87	2,516.48	172.39	15.598		
18,800.00	7,630.00	7,792.21	7,664.68	165.70	31.92	90.26	-7,437.82	1,227.97	2,714.29	2,542.75	171.54	15.823		
18,900.00	7,630.00	7,790.99	7,663.46	167.33	31.91	90.23	-7,437.84	1,227.96	2,743.13	2,572.55	170.58	16.081		
19,000.00	7,630.00	7,789.76	7,662.23	168.97	31.91	90.20	-7,437.85	1,227.95	2,775.27	2,605.77	169.50	16.373		
19,021.79	7,630.00	7,789.49	7,661.96	169.33	31.91	90.20	-7,437.85	1,227.95	2,782.70	2,613.45	169.26	16.441		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ CRANDELL 0-8-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 74-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	69.45	69.45	0.00	0.11	163.50	-7,136.25	2,113.50	7,442.79					
100.00	100.00	124.91	124.90	0.13	0.29	163.51	-7,136.31	2,112.58	7,442.44	7,442.02	0.43	N/A		
103.93	103.93	126.95	126.93	0.15	0.30	163.51	-7,136.32	2,112.55	7,442.44	7,441.99	0.45	N/A		
200.00	200.00	187.53	187.51	0.49	0.52	163.52	-7,136.82	2,111.57	7,442.73	7,441.72	1.01	7,363.364		
300.00	300.00	293.40	293.30	0.85	0.90	163.55	-7,138.39	2,107.91	7,443.17	7,441.41	1.75	4,242.887		
400.00	400.00	372.72	372.44	1.21	1.20	163.59	-7,140.19	2,102.97	7,443.61	7,441.20	2.41	3,091.520		
500.00	500.00	440.00	439.46	1.57	1.45	163.63	-7,142.58	2,097.57	7,444.68	7,441.66	3.02	2,463.784		
600.00	600.00	440.00	439.46	1.93	1.45	163.63	-7,142.58	2,097.57	7,446.47	7,443.09	3.38	2,202.809		
700.00	700.00	482.84	482.06	2.29	1.62	163.67	-7,144.81	2,093.64	7,449.14	7,445.24	3.91	1,906.484		
800.00	799.98	533.00	531.84	2.64	1.82	101.86	-7,148.45	2,088.62	7,453.38	7,448.92	4.46	1,671.657		
900.00	899.84	533.00	531.84	2.99	1.82	101.75	-7,148.45	2,088.62	7,459.03	7,454.22	4.81	1,550.247		
1,000.00	999.45	575.43	573.85	3.35	2.00	101.67	-7,152.22	2,084.05	7,466.42	7,461.08	5.34	1,397.085		
1,100.00	1,098.70	625.00	622.85	3.73	2.21	101.59	-7,157.18	2,078.40	7,475.37	7,469.45	5.92	1,263.353		
1,200.00	1,197.47	651.16	648.65	4.11	2.32	101.45	-7,160.05	2,075.25	7,485.81	7,479.39	6.41	1,167.245		
1,300.00	1,295.62	686.83	683.78	4.53	2.48	101.30	-7,164.28	2,070.68	7,497.82	7,490.85	6.97	1,075.587		
1,400.00	1,393.06	717.00	713.42	4.97	2.61	101.12	-7,168.15	2,066.58	7,511.39	7,503.86	7.53	997.462		
1,500.00	1,489.64	746.87	742.68	5.44	2.75	100.92	-7,172.29	2,062.27	7,526.56	7,518.44	8.13	926.031		
1,600.00	1,585.27	772.33	767.55	5.95	2.88	100.67	-7,176.11	2,058.39	7,543.39	7,534.65	8.74	863.052		
1,700.00	1,679.82	809.00	803.25	6.51	3.05	100.45	-7,182.06	2,052.45	7,561.88	7,552.43	9.45	800.584		
1,800.00	1,773.17	809.00	803.25	7.13	3.05	100.04	-7,182.06	2,052.45	7,581.96	7,571.93	10.02	756.422		
1,900.00	1,865.21	809.00	803.25	7.79	3.05	99.60	-7,182.06	2,052.45	7,603.89	7,593.24	10.65	714.084		
2,000.00	1,955.84	855.23	848.04	8.51	3.29	99.34	-7,190.40	2,044.64	7,627.03	7,615.48	11.55	660.186		
2,100.00	2,044.94	898.00	889.29	9.30	3.51	99.04	-7,198.98	2,037.29	7,652.19	7,639.70	12.49	612.470		
2,200.00	2,132.39	898.00	889.29	10.15	3.51	98.50	-7,198.98	2,037.29	7,678.58	7,665.31	13.28	578.393		
2,300.00	2,218.11	898.00	889.29	11.07	3.51	97.92	-7,198.98	2,037.29	7,706.67	7,692.56	14.11	546.087		
2,400.00	2,301.97	898.00	889.29	12.06	3.51	97.30	-7,198.98	2,037.29	7,736.42	7,721.41	15.01	515.584		
2,500.00	2,383.88	949.76	939.02	13.11	3.80	96.95	-7,210.22	2,028.32	7,767.21	7,750.98	16.23	478.648		
2,512.74	2,394.17	952.28	941.43	13.25	3.82	96.88	-7,210.79	2,027.88	7,771.26	7,754.90	16.37	474.859		
2,600.00	2,464.54	969.43	957.86	14.22	3.91	96.98	-7,214.69	2,024.90	7,799.46	7,782.14	17.32	450.369		
2,700.00	2,545.18	1,011.00	997.61	15.35	4.14	97.23	-7,224.48	2,017.68	7,832.79	7,814.26	18.53	422.673		
2,800.00	2,625.82	1,011.00	997.61	16.50	4.14	97.23	-7,224.48	2,017.68	7,866.91	7,847.38	19.53	402.782		
2,900.00	2,706.45	1,011.00	997.61	17.65	4.14	97.23	-7,224.48	2,017.68	7,902.15	7,881.62	20.53	384.876		
3,000.00	2,787.09	1,045.06	1,030.10	18.82	4.34	97.43	-7,232.85	2,011.80	7,938.25	7,916.54	21.71	365.570		
3,100.00	2,867.73	1,063.28	1,047.45	19.99	4.45	97.53	-7,237.47	2,008.69	7,975.35	7,952.54	22.81	349.687		
3,200.00	2,948.37	1,100.00	1,082.35	21.17	4.67	97.75	-7,247.05	2,002.51	8,013.46	7,989.46	24.00	333.875		
3,300.00	3,029.01	1,100.00	1,082.35	22.36	4.67	97.75	-7,247.05	2,002.51	8,052.36	8,027.37	24.99	322.282		
3,400.00	3,109.65	1,100.00	1,082.35	23.55	4.67	97.75	-7,247.05	2,002.51	8,092.30	8,066.34	25.96	311.702		
3,500.00	3,190.29	1,140.69	1,120.95	24.74	4.91	97.99	-7,258.05	1,995.84	8,132.98	8,105.82	27.16	299.499		
3,600.00	3,270.93	1,161.33	1,140.51	25.94	5.04	98.10	-7,263.77	1,992.56	8,174.60	8,146.37	28.23	289.564		
3,700.00	3,351.57	1,187.00	1,164.81	27.14	5.19	98.25	-7,271.02	1,988.55	8,217.07	8,187.75	29.33	280.191		
3,800.00	3,432.21	1,187.00	1,164.81	28.35	5.19	98.25	-7,271.02	1,988.55	8,260.43	8,230.16	30.27	272.913		
3,900.00	3,512.85	1,219.80	1,195.79	29.56	5.40	98.44	-7,280.51	1,983.42	8,304.55	8,273.16	31.39	264.590		
4,000.00	3,593.49	1,238.13	1,213.05	30.76	5.51	98.55	-7,285.93	1,980.49	8,349.54	8,317.13	32.41	257.599		
4,100.00	3,674.13	1,275.00	1,247.66	31.97	5.75	98.76	-7,297.11	1,974.45	8,395.43	8,361.89	33.54	250.332		
4,200.00	3,754.77	1,275.00	1,247.66	33.19	5.75	98.76	-7,297.11	1,974.45	8,441.98	8,407.55	34.44	245.145		
4,300.00	3,835.41	1,302.36	1,273.27	34.40	5.93	98.92	-7,305.58	1,969.89	8,489.38	8,453.89	35.49	239.222		
4,400.00	3,916.05	1,331.20	1,300.24	35.62	6.12	99.08	-7,314.60	1,965.11	8,537.48	8,500.94	36.54	233.665		
4,500.00	3,996.69	1,362.00	1,329.01	36.83	6.32	99.26	-7,324.34	1,960.00	8,586.29	8,548.70	37.59	228.424		
4,600.00	4,077.33	1,399.58	1,364.07	38.05	6.57	99.48	-7,336.32	1,953.71	8,635.75	8,597.07	38.67	223.295		
4,700.00	4,157.96	1,439.61	1,401.36	39.27	6.85	99.70	-7,349.15	1,946.82	8,685.81	8,646.05	39.76	218.432		
4,800.00	4,238.60	1,449.00	1,410.10	40.49	6.91	99.76	-7,352.17	1,945.18	8,736.55	8,695.89	40.66	214.889		
4,900.00	4,319.24	1,480.17	1,439.06	41.71	7.13	99.94	-7,362.31	1,939.68	8,787.95	8,746.27	41.67	210.872		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ CRANDELL 0-8-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 74-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	4,399.88	1,497.58	1,455.19	42.93	7.25	100.04	-7,368.08	1,936.58	8,840.10	8,797.50	42.60	207.537		
5,100.00	4,480.52	1,537.00	1,491.60	44.15	7.53	100.26	-7,381.40	1,929.48	8,893.05	8,849.41	43.64	203.759		
5,200.00	4,561.16	1,537.00	1,491.60	45.37	7.53	100.26	-7,381.40	1,929.48	8,946.53	8,902.09	44.43	201.344		
5,300.00	4,641.80	1,537.00	1,491.60	46.59	7.53	100.26	-7,381.40	1,929.48	9,000.80	8,955.58	45.21	199.082		
5,400.00	4,722.44	1,537.00	1,491.60	47.82	7.53	100.26	-7,381.40	1,929.48	9,055.84	9,009.87	45.98	196.966		
5,500.00	4,803.08	1,572.55	1,524.29	49.04	7.79	100.47	-7,393.78	1,923.00	9,111.36	9,064.40	46.96	194.010		
5,600.00	4,883.72	1,585.48	1,536.14	50.27	7.88	100.54	-7,398.38	1,920.62	9,167.68	9,119.89	47.79	191.826		
5,700.00	4,964.36	1,624.00	1,571.29	51.49	8.17	100.76	-7,412.41	1,913.49	9,224.81	9,176.03	48.78	189.119		
5,800.00	5,045.00	1,624.00	1,571.29	52.71	8.17	100.76	-7,412.41	1,913.49	9,282.33	9,232.83	49.50	187.523		
5,900.00	5,125.64	1,624.00	1,571.29	53.94	8.17	100.76	-7,412.41	1,913.49	9,340.57	9,290.36	50.21	186.030		
6,000.00	5,206.28	1,624.00	1,571.29	55.17	8.17	100.76	-7,412.41	1,913.49	9,399.50	9,348.60	50.91	184.634		
6,100.00	5,286.92	1,659.11	1,603.20	56.39	8.44	100.96	-7,425.54	1,906.96	9,458.94	9,407.10	51.84	182.480		
6,200.00	5,367.56	1,676.89	1,619.32	57.62	8.57	101.06	-7,432.28	1,903.67	9,519.00	9,466.37	52.63	180.850		
6,300.00	5,448.20	1,711.00	1,650.17	58.84	8.84	101.25	-7,445.39	1,897.38	9,579.68	9,526.14	53.54	178.937		
6,400.00	5,528.84	1,711.00	1,650.17	60.07	8.84	101.25	-7,445.39	1,897.38	9,640.83	9,586.63	54.19	177.892		
6,500.00	5,609.47	1,750.15	1,685.51	61.30	9.14	101.47	-7,460.57	1,890.09	9,702.51	9,647.39	55.12	176.040		
6,600.00	5,690.11	1,786.49	1,718.27	62.53	9.43	101.68	-7,474.70	1,883.16	9,764.63	9,708.62	56.01	174.345		
6,700.00	5,770.75	2,210.66	2,103.53	63.75	12.76	104.01	-7,632.19	1,801.56	9,825.95	9,766.36	59.59	164.903		
6,800.00	5,851.39	2,235.00	2,125.78	64.98	12.94	104.15	-7,640.80	1,796.79	9,886.87	9,826.48	60.39	163.720		
6,900.00	5,932.03	2,235.00	2,125.78	66.21	12.94	104.15	-7,640.80	1,796.79	9,948.37	9,887.36	61.01	163.051		
9,800.00	7,630.00	8,360.56	7,989.75	84.64	43.43	97.12	-8,719.43	1,138.56	9,924.54	9,818.56	105.98	93.642		
9,900.00	7,630.00	8,359.11	7,988.29	84.34	43.43	97.09	-8,719.47	1,138.54	9,828.40	9,722.22	106.19	92.558		
10,000.00	7,630.00	8,357.64	7,986.82	84.06	43.42	97.05	-8,719.52	1,138.52	9,732.34	9,625.95	106.39	91.475		
10,100.00	7,630.00	8,356.14	7,985.33	83.80	43.42	97.02	-8,719.57	1,138.50	9,636.36	9,529.76	106.61	90.390		
10,200.00	7,630.00	8,354.62	7,983.81	83.56	43.42	96.99	-8,719.62	1,138.49	9,540.46	9,433.64	106.83	89.306		
10,300.00	7,630.00	8,353.09	7,982.28	83.33	43.41	96.96	-8,719.67	1,138.47	9,444.65	9,337.59	107.06	88.221		
10,400.00	7,630.00	8,351.53	7,980.72	83.12	43.41	96.93	-8,719.72	1,138.45	9,348.92	9,241.63	107.29	87.137		
10,500.00	7,630.00	8,349.95	7,979.14	82.92	43.41	96.89	-8,719.77	1,138.43	9,253.29	9,145.75	107.53	86.052		
10,600.00	7,630.00	8,348.34	7,977.53	82.75	43.41	96.86	-8,719.82	1,138.41	9,157.74	9,049.96	107.78	84.967		
10,700.00	7,630.00	8,346.72	7,975.91	82.59	43.40	96.83	-8,719.88	1,138.39	9,062.29	8,954.26	108.04	83.882		
10,800.00	7,630.00	8,345.06	7,974.26	82.45	43.40	96.79	-8,719.93	1,138.38	8,966.94	8,858.64	108.30	82.797		
10,900.00	7,630.00	8,343.39	7,972.58	82.33	43.40	96.76	-8,719.99	1,138.36	8,871.69	8,763.12	108.57	81.712		
11,000.00	7,630.00	8,341.69	7,970.88	82.22	43.39	96.72	-8,720.05	1,138.34	8,776.55	8,667.70	108.85	80.627		
11,100.00	7,630.00	8,339.96	7,969.16	82.14	43.39	96.68	-8,720.11	1,138.32	8,681.51	8,572.37	109.14	79.543		
11,200.00	7,630.00	8,338.21	7,967.41	82.08	43.39	96.65	-8,720.17	1,138.30	8,586.59	8,477.15	109.44	78.459		
11,300.00	7,630.00	8,336.43	7,965.63	82.04	43.38	96.61	-8,720.23	1,138.28	8,491.78	8,382.04	109.75	77.375		
11,400.00	7,630.00	8,334.63	7,963.83	82.02	43.38	96.57	-8,720.30	1,138.26	8,397.10	8,287.03	110.07	76.292		
11,500.00	7,630.00	8,332.80	7,962.00	82.03	43.38	96.53	-8,720.36	1,138.25	8,302.53	8,192.14	110.39	75.209		
11,600.00	7,630.00	8,330.94	7,960.14	82.06	43.37	96.50	-8,720.43	1,138.23	8,208.10	8,097.37	110.73	74.127		
11,700.00	7,630.00	8,329.05	7,958.25	82.12	43.37	96.46	-8,720.50	1,138.21	8,113.79	8,002.72	111.08	73.046		
11,800.00	7,630.00	8,327.13	7,956.33	82.21	43.37	96.42	-8,720.57	1,138.19	8,019.63	7,908.19	111.44	71.966		
11,900.00	7,630.00	8,325.18	7,954.38	82.33	43.36	96.37	-8,720.64	1,138.17	7,925.60	7,813.80	111.81	70.886		
12,000.00	7,630.00	8,323.19	7,952.40	82.48	43.36	96.33	-8,720.72	1,138.15	7,831.73	7,719.54	112.19	69.808		
12,100.00	7,630.00	8,321.18	7,950.39	82.66	43.36	96.29	-8,720.79	1,138.13	7,738.00	7,625.42	112.58	68.730		
12,200.00	7,630.00	8,319.13	7,948.35	82.88	43.35	96.25	-8,720.87	1,138.12	7,644.43	7,531.44	112.99	67.654		
12,300.00	7,630.00	8,317.05	7,946.27	83.14	43.35	96.20	-8,720.95	1,138.10	7,551.03	7,437.62	113.41	66.580		
12,400.00	7,630.00	8,314.94	7,944.15	83.44	43.34	96.16	-8,721.03	1,138.08	7,457.80	7,343.95	113.85	65.507		
12,500.00	7,630.00	8,312.79	7,942.01	83.79	43.34	96.11	-8,721.11	1,138.06	7,364.74	7,250.45	114.30	64.435		
12,600.00	7,630.00	8,310.61	7,939.82	84.18	43.34	96.07	-8,721.20	1,138.04	7,271.87	7,157.11	114.76	63.365		
12,700.00	7,630.00	8,308.38	7,937.60	84.61	43.33	96.02	-8,721.29	1,138.02	7,179.19	7,063.95	115.24	62.298		
12,800.00	7,630.00	8,306.12	7,935.35	85.10	43.33	95.97	-8,721.37	1,138.01	7,086.70	6,970.97	115.74	61.232		
12,900.00	7,630.00	8,303.82	7,933.05	85.64	43.32	95.93	-8,721.47	1,137.99	6,994.42	6,878.18	116.25	60.168		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ CRANDELL 0-8-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 74-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
13,000.00	7,630.00	8,301.49	7,930.71	86.22	43.32	95.88	-8,721.56	1,137.97	6,902.36	6,785.58	116.78	59.107		
13,100.00	7,630.00	8,299.11	7,928.33	86.86	43.32	95.83	-8,721.66	1,137.95	6,810.51	6,693.19	117.32	58.049		
13,200.00	7,630.00	8,296.68	7,925.91	87.56	43.31	95.78	-8,721.76	1,137.94	6,718.90	6,601.01	117.89	56.993		
13,300.00	7,630.00	8,294.22	7,923.45	88.30	43.31	95.72	-8,721.86	1,137.92	6,627.53	6,509.05	118.48	55.940		
13,400.00	7,630.00	8,291.71	7,920.94	89.10	43.30	95.67	-8,721.97	1,137.90	6,536.41	6,417.33	119.08	54.890		
13,500.00	7,630.00	8,289.15	7,918.39	89.94	43.30	95.62	-8,722.07	1,137.89	6,445.55	6,325.84	119.71	53.844		
13,600.00	7,630.00	8,286.55	7,915.79	90.84	43.29	95.56	-8,722.18	1,137.87	6,354.97	6,234.61	120.36	52.801		
13,700.00	7,630.00	8,283.90	7,913.14	91.78	43.29	95.51	-8,722.30	1,137.85	6,264.67	6,143.64	121.03	51.762		
13,800.00	7,630.00	8,281.20	7,910.45	92.77	43.28	95.45	-8,722.42	1,137.84	6,174.66	6,052.94	121.72	50.727		
13,900.00	7,630.00	8,278.50	7,907.76	93.79	43.27	95.39	-8,722.54	1,137.82	6,085.01	5,962.24	122.44	49.692		
14,000.00	7,630.00	8,275.80	7,905.07	94.86	43.26	95.32	-8,722.66	1,137.80	5,995.62	5,871.52	123.19	48.657		
14,100.00	7,630.00	8,273.09	7,902.38	95.97	43.25	95.25	-8,722.78	1,137.78	5,909.57	5,785.47	123.97	47.622		
14,200.00	7,630.00	8,270.38	7,900.00	97.11	43.24	95.18	-8,722.90	1,137.76	5,823.52	5,699.42	124.78	46.587		
14,300.00	7,630.00	8,267.67	7,897.61	98.28	43.23	95.11	-8,723.02	1,137.74	5,737.47	5,613.37	125.62	45.552		
14,400.00	7,630.00	8,264.96	7,895.22	99.48	43.22	95.04	-8,723.14	1,137.72	5,651.42	5,527.32	126.48	44.517		
14,500.00	7,630.00	8,262.25	7,892.83	100.72	43.21	94.97	-8,723.26	1,137.70	5,565.37	5,441.27	127.35	43.482		
14,600.00	7,630.00	8,259.54	7,890.44	101.97	43.20	94.90	-8,723.38	1,137.68	5,479.32	5,355.22	128.25	42.447		
14,700.00	7,630.00	8,256.83	7,888.05	103.26	43.19	94.83	-8,723.50	1,137.66	5,393.27	5,269.17	129.17	41.412		
14,800.00	7,630.00	8,254.12	7,885.66	104.56	43.18	94.76	-8,723.62	1,137.64	5,307.22	5,183.12	130.11	40.377		
14,900.00	7,630.00	8,251.41	7,883.27	105.89	43.17	94.69	-8,723.74	1,137.62	5,221.17	5,097.07	131.07	39.342		
15,000.00	7,630.00	8,248.70	7,880.88	107.24	43.16	94.62	-8,723.86	1,137.60	5,135.12	5,011.02	132.05	38.307		
15,100.00	7,630.00	8,246.00	7,878.49	108.60	43.15	94.55	-8,723.98	1,137.58	5,049.07	4,924.97	133.05	37.272		
15,200.00	7,630.00	8,243.29	7,876.10	109.98	43.14	94.48	-8,724.10	1,137.56	4,963.02	4,838.92	134.07	36.237		
15,300.00	7,630.00	8,240.58	7,873.71	111.38	43.13	94.41	-8,724.22	1,137.54	4,876.97	4,752.87	135.11	35.202		
15,400.00	7,630.00	8,237.87	7,871.32	112.79	43.12	94.34	-8,724.34	1,137.52	4,790.92	4,666.82	136.17	34.167		
15,500.00	7,630.00	8,235.16	7,868.93	114.22	43.11	94.27	-8,724.46	1,137.50	4,704.87	4,580.77	137.25	33.132		
15,600.00	7,630.00	8,232.45	7,866.54	115.66	43.10	94.20	-8,724.58	1,137.48	4,618.82	4,494.72	138.35	32.097		
15,700.00	7,630.00	8,229.74	7,864.15	117.11	43.09	94.13	-8,724.70	1,137.46	4,532.77	4,408.67	139.47	31.062		
15,800.00	7,630.00	8,227.03	7,861.76	118.57	43.08	94.06	-8,724.82	1,137.44	4,446.72	4,322.62	140.61	30.027		
15,900.00	7,630.00	8,224.32	7,859.37	120.05	43.07	93.99	-8,724.94	1,137.42	4,360.67	4,236.57	141.77	28.992		
16,000.00	7,630.00	8,221.61	7,856.98	121.53	43.06	93.92	-8,725.06	1,137.40	4,274.62	4,150.52	142.95	27.957		
16,100.00	7,630.00	8,218.90	7,854.59	123.03	43.05	93.85	-8,725.18	1,137.38	4,188.57	4,064.47	144.15	26.922		
16,200.00	7,630.00	8,216.19	7,852.20	124.53	43.04	93.78	-8,725.30	1,137.36	4,102.52	3,978.42	145.37	25.887		
16,300.00	7,630.00	8,213.48	7,849.81	126.04	43.03	93.71	-8,725.42	1,137.34	4,016.47	3,892.37	146.61	24.852		
16,400.00	7,630.00	8,210.77	7,847.42	127.56	43.02	93.64	-8,725.54	1,137.32	3,930.42	3,806.32	147.87	23.817		
16,500.00	7,630.00	8,208.06	7,845.03	129.09	43.01	93.57	-8,725.66	1,137.30	3,844.37	3,720.27	149.15	22.782		
16,600.00	7,630.00	8,205.35	7,842.64	130.62	43.00	93.50	-8,725.78	1,137.28	3,758.32	3,634.22	150.45	21.747		
16,700.00	7,630.00	8,202.64	7,840.25	132.16	42.99	93.43	-8,725.90	1,137.26	3,672.27	3,548.17	151.77	20.712		
16,800.00	7,630.00	8,200.00	7,837.86	133.71	42.98	93.36	-8,726.02	1,137.24	3,586.22	3,462.12	153.11	19.677		
16,900.00	7,630.00	8,197.31	7,835.47	135.27	42.97	93.29	-8,726.14	1,137.22	3,500.17	3,376.07	154.47	18.642		
17,000.00	7,630.00	8,194.62	7,833.08	136.83	42.96	93.22	-8,726.26	1,137.20	3,414.12	3,290.02	155.85	17.607		
17,100.00	7,630.00	8,191.93	7,830.69	138.39	42.95	93.15	-8,726.38	1,137.18	3,328.07	3,203.97	157.25	16.572		
17,200.00	7,630.00	8,189.24	7,828.30	139.97	42.94	93.08	-8,726.50	1,137.16	3,242.02	3,117.92	158.67	15.537		
17,300.00	7,630.00	8,186.55	7,825.91	141.54	42.93	93.01	-8,726.62	1,137.14	3,155.97	3,031.87	160.11	14.502		
17,400.00	7,630.00	8,183.86	7,823.52	143.12	42.92	92.94	-8,726.74	1,137.12	3,069.92	2,945.82	161.57	13.467		
17,500.00	7,630.00	8,181.17	7,821.13	144.71	42.91	92.87	-8,726.86	1,137.10	2,983.87	2,859.77	163.05	12.432		
17,600.00	7,630.00	8,178.48	7,818.74	146.30	42.90	92.80	-8,726.98	1,137.08	2,897.82	2,773.72	164.55	11.397		
17,700.00	7,630.00	8,175.79	7,816.35	147.90	42.89	92.73	-8,727.10	1,137.06	2,811.77	2,687.67	166.07	10.362		
17,800.00	7,630.00	8,173.10	7,813.96	149.50	42.88	92.66	-8,727.22	1,137.04	2,725.72	2,601.62	167.61	9.327		
17,900.00	7,630.00	8,170.41	7,811.57	151.10	42.87	92.59	-8,727.34	1,137.02	2,639.67	2,515.57	169.17	8.292		
18,000.00	7,630.00	8,167.72	7,809.18	152.71	42.86	92.52	-8,727.46	1,137.00	2,553.62	2,429.52	170.75	7.257		
18,100.00	7,630.00	8,165.03	7,806.79	154.32	42.85	92.45	-8,727.58	1,136.98	2,467.57	2,343.47	172.35	6.222		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SEC 26-T1N-R68W - EXIST HZ CRANDELL 0-8-26 - OWB - FINAL SURVEY												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 74-MWD OWSG												<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
18,200.00	7,630.00	8,067.84	7,697.26	155.94	42.90	90.94	-8,730.93	1,136.98	2,936.64	2,746.10	190.55	15.412	
18,300.00	7,630.00	8,063.54	7,692.96	157.56	42.89	90.85	-8,731.06	1,136.97	2,898.72	2,705.99	192.72	15.041	
18,400.00	7,630.00	8,059.35	7,688.77	159.18	42.88	90.76	-8,731.19	1,136.96	2,863.78	2,668.95	194.82	14.699	
18,500.00	7,630.00	8,055.25	7,684.67	160.80	42.88	90.67	-8,731.32	1,136.95	2,831.93	2,635.10	196.83	14.388	
18,600.00	7,630.00	8,051.25	7,680.67	162.43	42.87	90.59	-8,731.44	1,136.94	2,803.29	2,604.56	198.73	14.106	
18,700.00	7,630.00	8,047.33	7,676.76	164.06	42.86	90.50	-8,731.56	1,136.94	2,777.95	2,577.45	200.50	13.855	
18,800.00	7,630.00	8,043.51	7,672.94	165.70	42.85	90.42	-8,731.67	1,136.93	2,756.01	2,553.88	202.13	13.635	
18,900.00	7,630.00	8,039.76	7,669.19	167.33	42.85	90.34	-8,731.78	1,136.93	2,737.54	2,533.95	203.59	13.446	
19,000.00	7,630.00	8,036.10	7,665.54	168.97	42.84	90.27	-8,731.89	1,136.92	2,722.62	2,517.73	204.89	13.288	
19,021.79	7,630.00	8,035.32	7,664.75	169.33	42.84	90.25	-8,731.91	1,136.92	2,719.84	2,514.70	205.14	13.258	CC, ES, SF

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 74-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	43.21	43.21	0.00	0.06	163.54	-7,154.09	2,113.56	7,459.80					
100.00	100.00	114.67	114.67	0.13	0.25	163.54	-7,153.87	2,113.67	7,459.59	7,459.20	0.39	N/A		
200.00	200.00	166.00	166.00	0.49	0.43	163.54	-7,154.22	2,113.34	7,460.05	7,459.12	0.92	8,090.349		
300.00	300.00	211.61	211.59	0.85	0.59	163.55	-7,154.93	2,112.80	7,461.19	7,459.75	1.44	5,176.111		
400.00	400.00	257.00	256.97	1.21	0.75	163.56	-7,155.99	2,112.14	7,463.03	7,461.07	1.96	3,808.832		
500.00	500.00	299.25	299.19	1.57	0.90	163.57	-7,157.38	2,111.26	7,465.63	7,463.16	2.47	3,022.563		
600.00	600.00	349.00	348.86	1.93	1.08	163.58	-7,159.65	2,109.69	7,469.04	7,466.04	3.01	2,484.133		
700.00	700.00	379.07	378.86	2.29	1.19	163.59	-7,161.36	2,108.48	7,473.23	7,469.76	3.48	2,150.509		
800.00	799.98	440.00	439.57	2.64	1.42	101.74	-7,165.54	2,105.51	7,478.67	7,474.61	4.05	1,845.144		
900.00	899.84	440.00	439.57	2.99	1.42	101.61	-7,165.54	2,105.51	7,485.52	7,481.12	4.41	1,699.003		
1,000.00	999.45	486.19	485.53	3.35	1.60	101.50	-7,169.39	2,103.00	7,493.96	7,489.03	4.94	1,517.580		
1,100.00	1,098.70	533.00	532.05	3.73	1.78	101.37	-7,173.93	2,100.49	7,504.11	7,498.62	5.48	1,368.510		
1,200.00	1,197.47	533.00	532.05	4.11	1.78	101.14	-7,173.93	2,100.49	7,515.80	7,509.93	5.87	1,281.121		
1,300.00	1,295.62	587.76	586.37	4.53	2.01	100.99	-7,180.03	2,097.23	7,528.94	7,522.46	6.48	1,161.438		
1,400.00	1,393.06	625.00	623.23	4.97	2.16	100.79	-7,184.67	2,094.62	7,543.65	7,536.60	7.06	1,069.096		
1,500.00	1,489.64	664.73	662.47	5.44	2.33	100.58	-7,190.01	2,091.46	7,559.83	7,552.15	7.68	984.771		
1,600.00	1,585.27	717.00	713.96	5.95	2.55	100.40	-7,197.61	2,086.68	7,577.45	7,569.07	8.38	903.700		
1,700.00	1,679.82	717.00	713.96	6.51	2.55	100.01	-7,197.61	2,086.68	7,596.57	7,587.65	8.92	851.728		
1,800.00	1,773.17	767.17	763.22	7.13	2.79	99.78	-7,205.59	2,081.48	7,617.06	7,607.35	9.71	784.181		
1,900.00	1,865.21	809.00	804.14	7.79	2.98	99.51	-7,212.84	2,076.75	7,639.18	7,628.66	10.52	726.147		
2,000.00	1,955.84	809.00	804.14	8.51	2.98	99.03	-7,212.84	2,076.75	7,662.77	7,651.57	11.20	684.419		
2,100.00	2,044.94	849.53	843.67	9.30	3.18	98.70	-7,220.36	2,071.83	7,687.80	7,675.69	12.11	634.844		
2,200.00	2,132.39	898.00	890.75	10.15	3.42	98.39	-7,229.99	2,065.57	7,714.44	7,701.32	13.12	588.209		
2,300.00	2,218.11	898.00	890.75	11.07	3.42	97.82	-7,229.99	2,065.57	7,742.32	7,728.36	13.95	554.850		
2,400.00	2,301.97	898.00	890.75	12.06	3.42	97.20	-7,229.99	2,065.57	7,771.84	7,756.99	14.85	523.406		
2,500.00	2,383.88	932.52	924.17	13.11	3.60	96.75	-7,237.32	2,060.98	7,802.63	7,786.66	15.97	488.693		
2,512.74	2,394.17	934.55	926.14	13.25	3.61	96.68	-7,237.77	2,060.72	7,806.67	7,790.56	16.10	484.851		
2,600.00	2,464.54	948.41	939.53	14.22	3.68	96.75	-7,240.85	2,058.89	7,834.77	7,817.74	17.03	459.984		
2,700.00	2,545.18	986.00	975.76	15.35	3.88	96.97	-7,249.58	2,053.99	7,868.05	7,849.84	18.21	431.998		
2,800.00	2,625.82	986.00	975.76	16.50	3.88	96.97	-7,249.58	2,053.99	7,902.09	7,882.88	19.22	411.229		
2,900.00	2,706.45	986.00	975.76	17.65	3.88	96.97	-7,249.58	2,053.99	7,937.25	7,917.03	20.22	392.567		
3,000.00	2,787.09	1,020.19	1,008.64	18.82	4.07	97.16	-7,257.90	2,049.69	7,973.28	7,951.89	21.39	372.767		
3,100.00	2,867.73	1,036.00	1,023.83	19.99	4.16	97.25	-7,261.84	2,047.78	8,010.27	7,987.80	22.47	356.515		
3,200.00	2,948.37	1,036.00	1,023.83	21.17	4.16	97.25	-7,261.84	2,047.78	8,048.28	8,024.82	23.46	343.044		
3,300.00	3,029.01	1,083.98	1,069.92	22.36	4.43	97.51	-7,274.09	2,042.49	8,086.92	8,062.23	24.69	327.580		
3,400.00	3,109.65	1,105.49	1,090.56	23.55	4.55	97.63	-7,279.74	2,040.38	8,126.56	8,100.79	25.78	315.269		
3,500.00	3,190.29	1,143.00	1,126.55	24.74	4.76	97.83	-7,289.81	2,037.10	8,167.12	8,140.17	26.94	303.120		
3,600.00	3,270.93	1,156.64	1,139.63	25.94	4.83	97.90	-7,293.53	2,036.01	8,208.41	8,180.43	27.98	293.390		
3,700.00	3,351.57	1,206.59	1,187.51	27.14	5.12	98.17	-7,307.20	2,032.06	8,250.42	8,221.23	29.19	282.651		
3,800.00	3,432.21	1,282.89	1,260.64	28.35	5.55	98.57	-7,328.13	2,026.19	8,292.98	8,262.45	30.53	271.626		
3,900.00	3,512.85	1,450.11	1,421.20	29.56	6.51	99.44	-7,372.91	2,012.86	8,335.58	8,303.24	32.34	257.758		
4,000.00	3,593.49	1,521.48	1,489.85	30.76	6.92	99.81	-7,391.48	2,006.80	8,378.05	8,344.40	33.65	248.981		
4,100.00	3,674.13	1,559.87	1,526.73	31.97	7.14	100.01	-7,401.58	2,003.37	8,421.16	8,386.38	34.78	242.113		
4,200.00	3,754.77	1,602.66	1,567.78	33.19	7.39	100.24	-7,412.98	1,999.37	8,464.93	8,429.00	35.93	235.590		
4,300.00	3,835.41	1,650.35	1,613.47	34.40	7.68	100.49	-7,425.79	1,994.70	8,509.30	8,472.20	37.10	229.367		
4,400.00	3,916.05	1,717.82	1,678.07	35.62	8.08	100.84	-7,444.00	1,987.76	8,554.20	8,515.83	38.37	222.952		
4,500.00	3,996.69	1,785.44	1,742.80	36.83	8.48	101.19	-7,462.19	1,980.58	8,599.47	8,559.84	39.63	216.987		
4,600.00	4,077.33	1,844.86	1,799.67	38.05	8.84	101.50	-7,478.20	1,974.18	8,645.22	8,604.38	40.84	211.669		
4,700.00	4,157.96	1,926.86	1,878.17	39.27	9.34	101.92	-7,500.23	1,965.44	8,691.35	8,649.18	42.17	206.095		
4,800.00	4,238.60	1,975.37	1,924.63	40.49	9.63	102.17	-7,513.25	1,960.46	8,737.91	8,694.60	43.31	201.766		
4,900.00	4,319.24	2,205.69	2,145.99	41.71	10.98	103.32	-7,573.04	1,938.87	8,784.18	8,738.76	45.42	193.386		
5,000.00	4,399.88	2,225.20	2,164.73	42.93	11.10	103.41	-7,578.03	1,936.72	8,830.60	8,784.21	46.39	190.349		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ CRANDELL 14-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 74-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,480.52	2,253.95	2,192.30	44.15	11.27	103.56	-7,585.45	1,933.34	8,877.69	8,830.29	47.40	187.297		
5,200.00	4,561.16	2,404.51	2,336.67	45.37	12.17	104.32	-7,623.56	1,914.02	8,924.75	8,875.68	49.08	181.852		
5,300.00	4,641.80	2,453.00	2,383.19	46.59	12.46	104.56	-7,635.87	1,908.09	8,972.36	8,922.18	50.18	178.803		
5,400.00	4,722.44	2,540.00	2,472.82	47.82	12.99	105.26	-7,671.49	1,892.53	9,020.34	8,956.40	63.94	141.077		
5,500.00	4,803.08	2,626.26	2,558.81	49.04	13.66	105.55	-7,686.27	1,885.64	9,068.00	9,015.06	52.95	171.266		
5,600.00	4,883.72	2,675.00	2,596.83	50.27	13.77	105.64	-7,690.89	1,883.38	9,116.34	9,062.48	53.86	169.257		
5,700.00	4,964.36	2,714.00	2,634.25	51.49	14.00	105.83	-7,700.78	1,878.57	9,165.47	9,110.59	54.88	167.014		
5,800.00	5,045.00	2,714.00	2,634.25	52.71	14.00	105.83	-7,700.78	1,878.57	9,215.13	9,159.46	55.67	165.541		
5,900.00	5,125.64	2,774.32	2,706.82	53.94	14.85	106.54	-7,737.85	1,861.46	9,265.08	9,194.63	70.45	131.507		
6,000.00	5,206.28	2,976.00	2,886.09	55.17	15.55	107.09	-7,766.33	1,848.26	9,314.70	9,256.00	58.70	158.679		
6,100.00	5,286.92	3,013.26	2,921.98	56.39	15.77	107.26	-7,775.46	1,844.17	9,364.78	9,305.10	59.68	156.922		
6,200.00	5,367.56	3,038.81	2,946.58	57.62	15.92	107.38	-7,781.87	1,841.55	9,415.50	9,354.92	60.58	155.422		
6,300.00	5,448.20	3,065.14	2,971.91	58.84	16.07	107.50	-7,788.59	1,839.01	9,466.83	9,405.35	61.48	153.986		
6,400.00	5,528.84	3,128.89	3,033.22	60.07	16.45	107.79	-7,805.01	1,833.06	9,518.62	9,456.04	62.58	152.099		
6,500.00	5,609.47	3,183.24	3,085.48	61.30	16.77	108.03	-7,819.02	1,827.92	9,570.76	9,507.13	63.63	150.423		
6,600.00	5,690.11	3,231.90	3,132.22	62.53	17.06	108.25	-7,831.61	1,822.93	9,623.32	9,558.69	64.63	148.901		
6,700.00	5,770.75	3,283.83	3,182.05	63.75	17.37	108.49	-7,845.09	1,817.34	9,676.29	9,610.64	65.65	147.403		
6,800.00	5,851.39	3,336.46	3,232.54	64.98	17.68	108.73	-7,858.82	1,811.70	9,729.65	9,662.99	66.66	145.963		
6,900.00	5,932.03	3,390.13	3,284.03	66.21	18.01	108.97	-7,872.90	1,806.10	9,783.40	9,715.73	67.67	144.573		
7,000.00	6,012.67	3,631.39	3,516.08	67.44	19.43	110.03	-7,934.55	1,782.49	9,837.03	9,767.26	69.77	140.991		
7,100.00	6,093.31	3,675.00	3,558.11	68.66	19.68	110.21	-7,945.45	1,778.47	9,890.39	9,819.67	70.71	139.864		
7,200.00	6,173.95	3,696.29	3,578.62	69.89	19.81	110.30	-7,950.84	1,776.54	9,944.20	9,872.68	71.52	139.038		
7,300.00	6,254.59	3,745.96	3,626.44	71.12	20.10	110.51	-7,963.50	1,772.15	9,998.45	9,925.96	72.49	137.935		
9,250.00	7,627.87	7,694.90	7,527.02	86.55	34.67	71.92	-8,336.72	1,631.19	9,958.47	9,855.67	102.80	96.868		
9,303.98	7,630.00	7,697.94	7,530.07	86.35	34.67	86.81	-8,336.77	1,631.25	9,906.25	9,803.35	102.91	96.262		
9,400.00	7,630.00	7,699.59	7,531.71	85.99	34.68	86.85	-8,336.80	1,631.29	9,812.67	9,709.61	103.07	95.207		
9,500.00	7,630.00	7,701.30	7,533.43	85.62	34.68	86.90	-8,336.83	1,631.32	9,715.27	9,612.03	103.24	94.108		
9,600.00	7,630.00	7,703.02	7,535.14	85.28	34.69	86.94	-8,336.86	1,631.36	9,617.91	9,514.51	103.41	93.009		
9,700.00	7,630.00	7,704.74	7,536.86	84.95	34.69	86.99	-8,336.89	1,631.39	9,520.61	9,417.03	103.59	91.910		
9,800.00	7,630.00	7,706.46	7,538.58	84.64	34.70	87.03	-8,336.92	1,631.43	9,423.37	9,319.60	103.77	90.811		
9,900.00	7,630.00	7,708.18	7,540.30	84.34	34.70	87.08	-8,336.95	1,631.46	9,326.19	9,222.23	103.96	89.712		
10,000.00	7,630.00	7,709.90	7,542.02	84.06	34.71	87.12	-8,336.98	1,631.50	9,229.06	9,124.91	104.15	88.612		
10,100.00	7,630.00	7,711.63	7,543.75	83.80	34.71	87.16	-8,337.01	1,631.54	9,132.00	9,027.65	104.35	87.513		
10,200.00	7,630.00	7,713.35	7,545.47	83.56	34.72	87.21	-8,337.05	1,631.57	9,035.00	8,930.44	104.56	86.413		
10,300.00	7,630.00	7,715.08	7,547.20	83.33	34.72	87.25	-8,337.08	1,631.61	8,938.06	8,833.30	104.77	85.313		
10,400.00	7,630.00	7,716.81	7,548.93	83.12	34.73	87.30	-8,337.11	1,631.64	8,841.20	8,736.21	104.99	84.214		
10,500.00	7,630.00	7,718.54	7,550.66	82.92	34.73	87.34	-8,337.14	1,631.68	8,744.40	8,639.19	105.21	83.114		
10,600.00	7,630.00	7,720.27	7,552.39	82.75	34.74	87.39	-8,337.17	1,631.72	8,647.68	8,542.24	105.44	82.015		
10,700.00	7,630.00	7,722.00	7,554.12	82.59	34.74	87.43	-8,337.20	1,631.75	8,551.03	8,445.35	105.68	80.916		
10,800.00	7,630.00	7,723.74	7,555.85	82.45	34.74	87.48	-8,337.23	1,631.79	8,454.46	8,348.54	105.92	79.817		
10,900.00	7,630.00	7,725.47	7,557.59	82.33	34.75	87.52	-8,337.26	1,631.83	8,357.97	8,251.80	106.18	78.718		
11,000.00	7,630.00	7,727.21	7,559.32	82.22	34.75	87.57	-8,337.29	1,631.86	8,261.57	8,155.13	106.44	77.620		
11,100.00	7,630.00	7,728.95	7,561.06	82.14	34.76	87.61	-8,337.32	1,631.90	8,165.24	8,058.54	106.70	76.522		
11,200.00	7,630.00	7,730.69	7,562.80	82.08	34.76	87.66	-8,337.35	1,631.94	8,069.01	7,962.03	106.98	75.425		
11,300.00	7,630.00	7,732.43	7,564.54	82.04	34.77	87.70	-8,337.38	1,631.97	7,972.87	7,865.61	107.27	74.328		
11,400.00	7,630.00	7,734.17	7,566.28	82.02	34.77	87.75	-8,337.41	1,632.01	7,876.83	7,769.27	107.56	73.232		
11,500.00	7,630.00	7,735.92	7,568.03	82.03	34.78	87.79	-8,337.44	1,632.05	7,780.89	7,673.02	107.86	72.136		
11,600.00	7,630.00	7,737.66	7,569.77	82.06	34.78	87.84	-8,337.47	1,632.08	7,685.04	7,576.87	108.18	71.042		
11,700.00	7,630.00	7,739.41	7,571.52	82.12	34.79	87.88	-8,337.51	1,632.12	7,589.31	7,480.81	108.50	69.948		
11,800.00	7,630.00	7,741.16	7,573.27	82.21	34.79	87.93	-8,337.54	1,632.16	7,493.69	7,384.85	108.83	68.855		
11,900.00	7,630.00	7,742.91	7,575.02	82.33	34.80	87.97	-8,337.57	1,632.19	7,398.18	7,289.00	109.18	67.763		
12,000.00	7,630.00	7,744.66	7,576.77	82.48	34.80	88.02	-8,337.60	1,632.23	7,302.79	7,193.26	109.53	66.672		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ CRANDELL 14-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 74-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
12,100.00	7,630.00	7,746.41	7,578.52	82.66	34.81	88.07	-8,337.63	1,632.27	7,207.53	7,097.62	109.90	65.582		
12,200.00	7,630.00	7,748.16	7,580.27	82.88	34.81	88.11	-8,337.66	1,632.30	7,112.39	7,002.11	110.28	64.494		
12,300.00	7,630.00	7,749.92	7,582.03	83.14	34.82	88.16	-8,337.69	1,632.34	7,017.39	6,906.72	110.67	63.407		
12,400.00	7,630.00	7,751.68	7,583.78	83.44	34.82	88.20	-8,337.72	1,632.38	6,922.53	6,811.45	111.08	62.321		
12,500.00	7,630.00	7,753.44	7,585.54	83.79	34.83	88.25	-8,337.75	1,632.42	6,827.82	6,716.32	111.50	61.237		
12,600.00	7,630.00	7,755.20	7,587.30	84.18	34.83	88.29	-8,337.79	1,632.45	6,733.26	6,621.33	111.93	60.155		
12,700.00	7,630.00	7,756.96	7,589.06	84.61	34.84	88.34	-8,337.82	1,632.49	6,638.86	6,526.48	112.38	59.075		
12,800.00	7,630.00	7,758.72	7,590.82	85.10	34.84	88.38	-8,337.85	1,632.53	6,544.62	6,431.78	112.85	57.996		
12,900.00	7,630.00	7,760.48	7,592.59	85.64	34.85	88.43	-8,337.88	1,632.57	6,450.56	6,337.24	113.33	56.920		
13,000.00	7,630.00	7,762.25	7,594.35	86.22	34.85	88.48	-8,337.91	1,632.60	6,356.68	6,242.86	113.82	55.847		
13,100.00	7,630.00	7,764.02	7,596.12	86.86	34.86	88.52	-8,337.94	1,632.64	6,262.99	6,148.65	114.34	54.775		
13,200.00	7,630.00	7,765.79	7,597.89	87.56	34.86	88.57	-8,337.97	1,632.68	6,169.49	6,054.62	114.87	53.707		
13,300.00	7,630.00	7,767.56	7,599.66	88.30	34.87	88.61	-8,338.01	1,632.72	6,076.20	5,960.78	115.43	52.641		
13,400.00	7,630.00	7,769.33	7,601.43	89.10	34.87	88.66	-8,338.04	1,632.75	5,983.13	5,867.13	116.00	51.578		
13,500.00	7,630.00	7,771.10	7,603.20	89.94	34.88	88.71	-8,338.07	1,632.79	5,890.29	5,773.69	116.60	50.519		
13,600.00	7,630.00	7,772.88	7,604.97	90.84	34.88	88.75	-8,338.10	1,632.83	5,797.68	5,680.47	117.21	49.463		
13,700.00	7,630.00	7,774.65	7,606.75	91.78	34.88	88.80	-8,338.13	1,632.87	5,705.32	5,587.47	117.85	48.411		
13,800.00	7,630.00	7,776.43	7,608.53	92.77	34.89	88.84	-8,338.16	1,632.91	5,613.22	5,494.71	118.52	47.362		
13,900.00	7,630.00	7,778.41	7,610.51	93.79	34.90	88.90	-8,338.20	1,632.95	5,521.40	5,402.19	119.21	46.317		
14,000.00	7,630.00	7,781.84	7,613.94	94.86	34.90	88.98	-8,338.26	1,633.02	5,429.86	5,309.93	119.93	45.274		
14,100.00	7,630.00	7,785.12	7,617.21	95.97	34.91	89.07	-8,338.32	1,633.09	5,338.63	5,217.95	120.68	44.236		
14,200.00	7,630.00	7,788.25	7,620.35	97.11	34.92	89.15	-8,338.37	1,633.16	5,247.72	5,126.25	121.46	43.204		
14,300.00	7,630.00	7,791.26	7,623.35	98.28	34.93	89.23	-8,338.42	1,633.22	5,157.14	5,034.86	122.27	42.177		
14,400.00	7,630.00	7,794.13	7,626.22	99.48	34.94	89.30	-8,338.46	1,633.28	5,066.91	4,943.80	123.12	41.156		
14,500.00	7,630.00	7,796.90	7,628.98	100.72	34.94	89.38	-8,338.51	1,633.34	4,977.06	4,853.07	123.99	40.141		
14,600.00	7,630.00	7,799.55	7,631.63	101.97	34.95	89.44	-8,338.55	1,633.39	4,887.60	4,762.70	124.90	39.133		
14,700.00	7,630.00	7,802.09	7,634.18	103.26	34.96	89.51	-8,338.59	1,633.44	4,798.55	4,672.71	125.84	38.132		
14,800.00	7,630.00	7,804.54	7,636.63	104.56	34.96	89.57	-8,338.62	1,633.49	4,709.95	4,583.13	126.82	37.138		
14,900.00	7,630.00	7,806.90	7,638.99	105.89	34.97	89.64	-8,338.66	1,633.54	4,621.81	4,493.96	127.84	36.152		
15,000.00	7,630.00	7,809.17	7,641.26	107.24	34.98	89.69	-8,338.69	1,633.59	4,534.16	4,405.25	128.90	35.175		
15,100.00	7,630.00	7,811.36	7,643.45	108.60	34.98	89.75	-8,338.72	1,633.63	4,447.03	4,317.02	130.01	34.206		
15,200.00	7,630.00	7,813.47	7,645.56	109.98	34.99	89.81	-8,338.75	1,633.67	4,360.45	4,229.29	131.16	33.246		
15,300.00	7,630.00	7,815.51	7,647.59	111.38	34.99	89.86	-8,338.78	1,633.71	4,274.46	4,142.10	132.35	32.296		
15,400.00	7,630.00	7,817.48	7,649.56	112.79	35.00	89.91	-8,338.81	1,633.75	4,189.09	4,055.49	133.60	31.356		
15,500.00	7,630.00	7,819.38	7,651.46	114.22	35.00	89.96	-8,338.83	1,633.79	4,104.38	3,969.48	134.89	30.427		
15,600.00	7,630.00	7,821.22	7,653.30	115.66	35.01	90.01	-8,338.85	1,633.83	4,020.37	3,884.13	136.24	29.509		
15,700.00	7,630.00	7,822.99	7,655.07	117.11	35.01	90.05	-8,338.88	1,633.86	3,937.11	3,799.46	137.64	28.604		
15,800.00	7,630.00	7,824.71	7,656.79	118.57	35.02	90.10	-8,338.90	1,633.89	3,854.64	3,715.54	139.10	27.711		
15,900.00	7,630.00	7,826.38	7,658.46	120.05	35.02	90.14	-8,338.92	1,633.93	3,773.02	3,632.40	140.62	26.831		
16,000.00	7,630.00	7,827.99	7,660.07	121.53	35.03	90.18	-8,338.94	1,633.96	3,692.30	3,550.11	142.20	25.966		
16,100.00	7,630.00	7,829.56	7,661.64	123.03	35.03	90.22	-8,338.96	1,633.99	3,612.55	3,468.72	143.84	25.116		
16,200.00	7,630.00	7,831.08	7,663.16	124.53	35.03	90.26	-8,338.98	1,634.02	3,533.83	3,388.29	145.54	24.281		
16,300.00	7,630.00	7,832.55	7,664.63	126.04	35.04	90.30	-8,338.99	1,634.04	3,456.21	3,308.90	147.31	23.463		
16,400.00	7,630.00	7,833.98	7,666.06	127.56	35.04	90.34	-8,339.01	1,634.07	3,379.76	3,230.63	149.14	22.662		
16,500.00	7,630.00	7,835.37	7,667.44	129.09	35.05	90.38	-8,339.02	1,634.10	3,304.57	3,153.54	151.03	21.880		
16,600.00	7,630.00	7,836.71	7,668.79	130.62	35.05	90.41	-8,339.04	1,634.12	3,230.73	3,077.74	153.00	21.117		
16,700.00	7,630.00	7,838.03	7,670.10	132.16	35.05	90.44	-8,339.05	1,634.15	3,158.33	3,003.31	155.02	20.374		
16,800.00	7,630.00	7,839.30	7,671.38	133.71	35.06	90.48	-8,339.07	1,634.17	3,087.46	2,930.36	157.11	19.652		
16,900.00	7,630.00	7,840.54	7,672.62	135.27	35.06	90.51	-8,339.08	1,634.19	3,018.25	2,859.00	159.25	18.952		
17,000.00	7,630.00	7,841.74	7,673.82	136.83	35.06	90.54	-8,339.09	1,634.22	2,950.80	2,789.35	161.46	18.276		
17,100.00	7,630.00	7,842.92	7,675.00	138.39	35.07	90.57	-8,339.11	1,634.24	2,885.24	2,721.54	163.71	17.624		
17,200.00	7,630.00	7,844.06	7,676.14	139.97	35.07	90.60	-8,339.12	1,634.26	2,821.71	2,655.70	166.01	16.998		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 74-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
17,300.00	7,630.00	7,845.18	7,677.25	141.54	35.07	90.63	-8,339.13	1,634.28	2,760.33	2,591.99	168.34	16.398		
17,400.00	7,630.00	7,846.26	7,678.34	143.12	35.07	90.66	-8,339.14	1,634.30	2,701.26	2,530.57	170.69	15.825		
17,500.00	7,630.00	7,847.32	7,679.39	144.71	35.08	90.69	-8,339.15	1,634.32	2,644.66	2,471.60	173.06	15.282		
17,600.00	7,630.00	7,848.35	7,680.43	146.30	35.08	90.71	-8,339.16	1,634.34	2,590.67	2,415.25	175.43	14.768		
17,700.00	7,630.00	7,849.36	7,681.43	147.90	35.08	90.74	-8,339.17	1,634.36	2,539.48	2,361.71	177.77	14.285		
17,800.00	7,630.00	7,850.34	7,682.41	149.50	35.09	90.76	-8,339.18	1,634.38	2,491.26	2,311.18	180.08	13.834		
17,900.00	7,630.00	7,851.30	7,683.37	151.10	35.09	90.79	-8,339.19	1,634.39	2,446.17	2,263.84	182.33	13.416		
18,000.00	7,630.00	7,852.23	7,684.30	152.71	35.09	90.81	-8,339.20	1,634.41	2,404.40	2,219.90	184.49	13.032		
18,100.00	7,630.00	7,853.14	7,685.22	154.32	35.09	90.84	-8,339.20	1,634.43	2,366.11	2,179.57	186.55	12.684		
18,200.00	7,630.00	7,854.04	7,686.11	155.94	35.10	90.86	-8,339.21	1,634.44	2,331.50	2,143.03	188.47	12.371		
18,300.00	7,630.00	7,854.91	7,686.98	157.56	35.10	90.88	-8,339.22	1,634.46	2,300.71	2,110.48	190.22	12.095		
18,400.00	7,630.00	7,855.76	7,687.83	159.18	35.10	90.91	-8,339.23	1,634.47	2,273.90	2,082.11	191.79	11.856		
18,500.00	7,630.00	7,856.59	7,688.67	160.80	35.10	90.93	-8,339.23	1,634.49	2,251.22	2,058.08	193.14	11.656		
18,600.00	7,630.00	7,857.41	7,689.48	162.43	35.10	90.95	-8,339.24	1,634.50	2,232.79	2,038.55	194.24	11.495		
18,700.00	7,630.00	7,858.20	7,690.28	164.06	35.11	90.97	-8,339.25	1,634.52	2,218.72	2,023.63	195.09	11.373		
18,800.00	7,630.00	7,858.98	7,691.05	165.70	35.11	90.99	-8,339.25	1,634.53	2,209.10	2,013.44	195.66	11.291		
18,900.00	7,630.00	7,859.74	7,691.82	167.33	35.11	91.01	-8,339.26	1,634.55	2,203.97	2,008.03	195.94	11.248		
18,963.18	7,630.00	7,860.22	7,692.29	168.37	35.11	91.02	-8,339.27	1,634.55	2,203.06	2,007.10	195.96	11.243 CC, ES, SF		
19,000.00	7,630.00	7,860.49	7,692.56	168.97	35.11	91.03	-8,339.27	1,634.56	2,203.37	2,007.45	195.92	11.247		
19,021.79	7,630.00	7,860.65	7,692.72	169.33	35.11	91.03	-8,339.27	1,634.56	2,203.84	2,007.97	195.87	11.251		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ CRANDELL 23-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 134-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	21.17	21.17	0.00	0.03	163.39	-7,110.81	2,121.64	7,420.58					
100.00	100.00	113.22	113.22	0.13	0.18	163.38	-7,110.79	2,121.96	7,420.66	7,420.34	0.32	N/A		
200.00	200.00	185.25	185.24	0.49	0.41	163.37	-7,110.63	2,123.21	7,420.95	7,420.06	0.90	8,289.609		
300.00	300.00	226.00	225.93	0.85	0.56	163.36	-7,110.32	2,125.19	7,421.75	7,420.35	1.40	5,295.592		
400.00	400.00	264.69	264.52	1.21	0.70	163.34	-7,110.09	2,127.90	7,423.38	7,421.47	1.91	3,895.212		
500.00	500.00	318.00	317.60	1.57	0.91	163.30	-7,110.29	2,132.91	7,426.15	7,423.69	2.46	3,013.361		
600.00	600.00	318.00	317.60	1.93	0.91	163.30	-7,110.29	2,132.91	7,429.59	7,426.77	2.82	2,631.258		
700.00	700.00	391.27	390.41	2.29	1.19	163.24	-7,111.05	2,141.10	7,433.84	7,430.37	3.47	2,144.036		
800.00	799.98	946.75	933.75	2.64	3.83	100.64	-7,084.07	2,248.67	7,433.55	7,427.09	6.45	1,151.878		
857.08	857.01	968.82	954.98	2.84	3.95	100.61	-7,082.02	2,254.32	7,433.32	7,426.54	6.78	1,095.965		
900.00	899.84	988.55	973.94	2.99	4.06	100.57	-7,080.22	2,259.44	7,433.45	7,426.40	7.05	1,054.868		
1,000.00	999.45	1,039.89	1,023.25	3.35	4.36	100.47	-7,075.74	2,273.03	7,434.73	7,427.02	7.70	965.332		
1,100.00	1,098.70	1,120.00	1,100.30	3.73	4.82	100.32	-7,069.17	2,293.98	7,437.10	7,428.56	8.54	871.237		
1,200.00	1,197.47	1,207.00	1,184.21	4.11	5.31	100.19	-7,062.42	2,315.92	7,440.26	7,430.84	9.42	789.899		
1,300.00	1,295.62	1,272.94	1,247.61	4.53	5.70	100.06	-7,057.27	2,333.27	7,444.36	7,434.14	10.22	728.430		
1,400.00	1,393.06	1,393.53	1,362.94	4.97	6.43	99.90	-7,047.48	2,367.11	7,449.32	7,437.93	11.39	654.079		
1,500.00	1,489.64	1,469.00	1,435.35	5.44	6.89	99.77	-7,041.50	2,387.55	7,454.75	7,442.43	12.31	605.386		
1,600.00	1,585.27	1,522.16	1,486.37	5.95	7.21	99.65	-7,037.54	2,401.96	7,461.26	7,448.12	13.14	567.646		
1,700.00	1,679.82	1,601.30	1,562.28	6.51	7.69	99.52	-7,032.15	2,423.67	7,468.98	7,454.80	14.18	526.834		
1,800.00	1,773.17	1,731.67	1,687.12	7.13	8.49	99.43	-7,022.67	2,460.03	7,477.02	7,461.44	15.58	479.879		
1,900.00	1,865.21	1,856.28	1,806.40	7.79	9.25	99.36	-7,013.23	2,494.80	7,485.38	7,468.37	17.01	440.154		
2,000.00	1,955.84	1,969.68	1,915.26	8.51	9.94	99.32	-7,004.51	2,525.33	7,493.89	7,475.48	18.41	407.088		
2,100.00	2,044.94	2,096.27	2,036.85	9.30	10.70	99.32	-6,994.65	2,559.14	7,502.88	7,482.93	19.95	376.128		
2,200.00	2,132.39	2,168.00	2,105.79	10.15	11.13	99.25	-6,989.08	2,578.16	7,512.41	7,491.19	21.22	354.103		
2,300.00	2,218.11	2,219.58	2,155.35	11.07	11.44	99.14	-6,985.25	2,591.95	7,522.99	7,500.56	22.43	335.442		
2,400.00	2,301.97	2,344.91	2,275.29	12.06	12.22	99.17	-6,976.01	2,627.10	7,534.69	7,510.52	24.17	311.678		
2,500.00	2,383.88	2,430.00	2,356.71	13.11	12.75	99.13	-6,969.04	2,650.79	7,546.21	7,520.47	25.74	293.181		
2,512.74	2,394.17	2,430.00	2,356.71	13.25	12.75	99.10	-6,969.04	2,650.79	7,547.79	7,521.91	25.87	291.710		
2,600.00	2,464.54	2,483.11	2,407.66	14.22	13.08	99.24	-6,964.98	2,665.22	7,558.64	7,531.50	27.15	278.452		
2,700.00	2,545.18	2,517.00	2,440.09	15.35	13.29	99.32	-6,962.67	2,674.80	7,572.08	7,543.63	28.45	266.188		
2,800.00	2,625.82	2,559.12	2,480.38	16.50	13.55	99.42	-6,960.10	2,686.82	7,586.34	7,556.53	29.81	254.471		
2,900.00	2,706.45	2,604.00	2,523.36	17.65	13.83	99.54	-6,957.68	2,699.51	7,601.34	7,570.14	31.20	243.609		
3,000.00	2,787.09	2,705.40	2,620.18	18.82	14.47	99.78	-6,952.25	2,729.12	7,616.74	7,583.77	32.97	230.986		
3,100.00	2,867.73	2,840.71	2,749.72	19.99	15.31	100.11	-6,944.92	2,767.53	7,632.04	7,597.08	34.97	218.266		
3,200.00	2,948.37	2,911.73	2,817.68	21.17	15.76	100.29	-6,940.83	2,787.73	7,647.18	7,610.63	36.54	209.256		
3,300.00	3,029.01	2,995.98	2,898.28	22.36	16.28	100.49	-6,936.38	2,811.85	7,662.88	7,624.66	38.21	200.522		
3,400.00	3,109.65	3,188.37	3,082.13	23.55	17.50	100.95	-6,923.86	2,867.10	7,677.24	7,636.63	40.61	189.068		
3,500.00	3,190.29	3,294.71	3,183.77	24.74	18.17	101.20	-6,916.78	2,897.58	7,692.00	7,649.57	42.43	181.286		
3,600.00	3,270.93	3,381.75	3,267.62	25.94	18.68	101.43	-6,911.36	2,920.26	7,706.65	7,662.56	44.09	174.777		
3,700.00	3,351.57	3,580.05	3,460.82	27.14	19.73	101.99	-6,899.46	2,963.18	7,720.46	7,674.14	46.32	166.692		
3,800.00	3,432.21	3,662.85	3,542.19	28.35	20.11	102.25	-6,894.95	2,977.81	7,734.33	7,686.48	47.85	161.654		
3,900.00	3,512.85	3,737.27	3,615.63	29.56	20.44	102.50	-6,891.38	2,989.33	7,748.55	7,699.23	49.31	157.128		
4,000.00	3,593.49	3,842.29	3,719.65	30.76	20.86	102.86	-6,886.93	3,003.15	7,763.03	7,712.15	50.88	152.574		
4,100.00	3,674.13	3,946.98	3,823.64	31.97	21.25	103.23	-6,882.73	3,014.32	7,777.49	7,725.08	52.41	148.402		
4,200.00	3,754.77	4,024.74	3,901.05	33.19	21.52	103.52	-6,879.96	3,021.22	7,792.30	7,738.49	53.81	144.808		
4,300.00	3,835.41	4,110.03	3,986.04	34.40	21.80	103.84	-6,877.14	3,027.72	7,807.41	7,752.19	55.22	141.379		
4,400.00	3,916.05	4,179.35	4,055.18	35.62	22.02	104.10	-6,875.10	3,032.30	7,822.98	7,766.41	56.57	138.294		
4,500.00	3,996.69	4,282.02	4,157.63	36.83	22.34	104.50	-6,872.19	3,038.27	7,838.83	7,780.82	58.01	135.133		
4,600.00	4,077.33	4,374.93	4,250.39	38.05	22.62	104.86	-6,869.57	3,042.96	7,854.92	7,795.52	59.41	132.224		
4,700.00	4,157.96	4,484.56	4,359.84	39.27	22.95	105.29	-6,866.24	3,048.23	7,871.13	7,810.29	60.85	129.355		
4,800.00	4,238.60	4,587.18	4,462.31	40.49	23.26	105.69	-6,862.92	3,052.73	7,887.47	7,825.20	62.26	126.678		
4,900.00	4,319.24	4,674.24	4,549.25	41.71	23.52	106.03	-6,860.03	3,056.16	7,904.01	7,840.39	63.62	124.236		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ CRANDELL 23-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 134-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	4,399.88	4,756.06	4,630.98	42.93	23.76	106.35	-6,857.37	3,059.07	7,920.91	7,855.95	64.95	121.945		
5,100.00	4,480.52	4,900.26	4,775.02	44.15	24.18	106.92	-6,852.35	3,063.64	7,937.97	7,871.50	66.47	119.426		
5,200.00	4,561.16	5,016.81	4,891.42	45.37	24.52	107.37	-6,847.43	3,066.99	7,954.65	7,886.77	67.89	117.173		
5,300.00	4,641.80	5,099.90	4,974.41	46.59	24.76	107.70	-6,843.90	3,068.88	7,971.63	7,902.43	69.20	115.193		
5,400.00	4,722.44	5,136.00	5,010.47	47.82	24.86	107.85	-6,842.39	3,069.57	7,989.10	7,918.72	70.37	113.524		
5,500.00	4,803.08	5,194.41	5,068.83	49.04	25.02	108.08	-6,840.21	3,070.57	8,007.22	7,935.62	71.60	111.835		
5,600.00	4,883.72	5,231.57	5,105.97	50.27	25.13	108.22	-6,839.10	3,071.18	8,026.23	7,953.48	72.75	110.320		
5,700.00	4,964.36	5,268.56	5,142.95	51.49	25.23	108.37	-6,838.21	3,071.77	8,046.06	7,972.16	73.90	108.879		
5,800.00	5,045.00	5,310.00	5,184.37	52.71	25.35	108.54	-6,837.47	3,072.39	8,066.71	7,991.66	75.05	107.486		
5,900.00	5,125.64	5,310.00	5,184.37	53.94	25.35	108.54	-6,837.47	3,072.39	8,088.30	8,012.24	76.06	106.340		
6,000.00	5,206.28	5,381.95	5,256.31	55.17	25.54	108.82	-6,836.76	3,073.49	8,110.39	8,033.11	77.28	104.942		
6,100.00	5,286.92	5,420.16	5,294.51	56.39	25.65	108.97	-6,836.67	3,074.09	8,133.42	8,055.02	78.39	103.750		
6,200.00	5,367.56	5,485.00	5,359.35	57.62	25.82	109.23	-6,837.00	3,075.15	8,157.32	8,077.74	79.58	102.503		
6,300.00	5,448.20	5,508.23	5,382.57	58.84	25.89	109.32	-6,837.22	3,075.52	8,181.78	8,101.16	80.62	101.482		
6,400.00	5,528.84	5,586.53	5,460.86	60.07	26.09	109.63	-6,838.00	3,076.61	8,206.82	8,124.98	81.83	100.289		
6,500.00	5,609.47	5,896.48	5,770.78	61.30	26.92	110.85	-6,837.01	3,078.94	8,231.12	8,147.36	83.76	98.272		
6,600.00	5,690.11	5,966.29	5,840.58	62.53	27.12	111.12	-6,835.86	3,079.30	8,254.65	8,169.71	84.94	97.183		
6,700.00	5,770.75	6,041.40	5,915.68	63.75	27.33	111.42	-6,834.72	3,079.68	8,278.63	8,192.50	86.13	96.118		
6,800.00	5,851.39	6,124.92	5,999.19	64.98	27.56	111.74	-6,833.46	3,080.03	8,302.95	8,215.61	87.34	95.063		
6,900.00	5,932.03	6,213.36	6,087.62	66.21	27.81	112.09	-6,832.09	3,080.33	8,327.57	8,239.01	88.56	94.032		
7,000.00	6,012.67	6,313.21	6,187.45	67.44	28.09	112.47	-6,830.38	3,080.52	8,352.39	8,262.58	89.81	93.002		
7,100.00	6,093.31	6,411.57	6,285.80	68.66	28.36	112.85	-6,828.49	3,080.58	8,377.36	8,286.32	91.05	92.012		
7,200.00	6,173.95	6,508.90	6,383.10	69.89	28.64	113.22	-6,826.43	3,080.67	8,402.51	8,310.24	92.28	91.059		
7,300.00	6,254.59	6,612.19	6,486.36	71.12	28.93	113.62	-6,824.01	3,080.87	8,427.81	8,334.29	93.52	90.117		
7,400.00	6,335.23	6,717.87	6,592.01	72.35	29.24	114.02	-6,821.23	3,081.34	8,453.20	8,358.43	94.77	89.197		
7,500.00	6,415.87	6,784.09	6,658.20	73.58	29.43	114.26	-6,819.48	3,081.69	8,478.89	8,383.00	95.89	88.423		
7,600.00	6,496.51	6,853.92	6,728.01	74.81	29.64	114.52	-6,817.72	3,082.04	8,505.00	8,407.99	97.01	87.667		
7,700.00	6,577.15	6,918.60	6,792.67	76.04	29.83	114.77	-6,816.19	3,082.36	8,531.56	8,433.44	98.12	86.954		
7,800.00	6,657.79	6,979.73	6,853.78	77.27	30.01	114.99	-6,814.89	3,082.61	8,558.61	8,459.41	99.20	86.279		
7,900.00	6,738.43	7,040.71	6,914.76	78.50	30.19	115.22	-6,813.73	3,082.83	8,586.16	8,485.89	100.27	85.630		
8,000.00	6,819.07	7,109.31	6,983.35	79.73	30.39	115.47	-6,812.57	3,083.07	8,614.18	8,512.81	101.36	84.983		
8,100.00	6,899.71	7,180.57	7,054.60	80.96	30.60	115.73	-6,811.46	3,083.41	8,642.60	8,540.14	102.46	84.351		
8,200.00	6,980.35	7,251.61	7,125.63	82.18	30.82	115.99	-6,810.43	3,083.86	8,671.41	8,567.86	103.55	83.741		
8,240.58	7,013.07	7,280.15	7,154.16	82.68	30.90	116.10	-6,810.04	3,084.04	8,683.21	8,579.22	103.99	83.500		
8,250.00	7,020.68	7,286.78	7,160.80	82.80	30.92	114.92	-6,809.95	3,084.09	8,685.89	8,581.80	104.09	83.443		
8,300.00	7,061.63	7,322.42	7,196.43	83.40	31.03	108.25	-6,809.49	3,084.30	8,697.65	8,593.00	104.64	83.117		
8,350.00	7,103.23	7,358.56	7,232.57	83.97	31.14	101.01	-6,809.05	3,084.51	8,705.23	8,600.03	105.20	82.747		
8,400.00	7,145.18	7,394.93	7,268.94	84.51	31.25	93.44	-6,808.63	3,084.70	8,708.60	8,602.83	105.76	82.340		
8,450.00	7,187.16	7,439.46	7,313.46	85.01	31.38	85.89	-6,808.12	3,084.94	8,707.71	8,601.36	106.35	81.876		
8,500.00	7,228.84	7,487.21	7,361.21	85.46	31.52	78.69	-6,807.56	3,085.23	8,702.53	8,595.59	106.94	81.377		
8,550.00	7,269.91	7,534.23	7,408.22	85.86	31.67	72.06	-6,806.97	3,085.55	8,693.09	8,585.58	107.51	80.856		
8,600.00	7,310.05	7,580.16	7,454.15	86.20	31.81	66.19	-6,806.36	3,085.91	8,679.48	8,571.42	108.06	80.319		
8,650.00	7,348.97	7,615.39	7,489.37	86.50	31.91	61.10	-6,805.90	3,086.20	8,661.81	8,553.26	108.55	79.795		
8,700.00	7,386.36	7,649.22	7,523.20	86.74	32.02	56.80	-6,805.47	3,086.47	8,640.23	8,531.22	109.01	79.262		
8,750.00	7,421.94	7,681.38	7,555.35	86.93	32.12	53.26	-6,805.07	3,086.73	8,614.89	8,505.46	109.43	78.722		
8,800.00	7,455.44	7,711.62	7,585.59	87.07	32.21	50.40	-6,804.70	3,086.98	8,585.99	8,476.16	109.83	78.179		
8,850.00	7,486.61	7,739.71	7,613.68	87.16	32.30	48.17	-6,804.37	3,087.21	8,553.72	8,443.55	110.18	77.634		
8,900.00	7,515.20	7,766.12	7,640.09	87.20	32.38	46.53	-6,804.07	3,087.42	8,518.33	8,407.83	110.50	77.089		
8,950.00	7,541.00	7,790.81	7,664.78	87.21	32.45	45.47	-6,803.79	3,087.63	8,480.06	8,369.28	110.79	76.544		
9,000.00	7,563.81	7,812.60	7,686.56	87.17	32.52	45.01	-6,803.55	3,087.83	8,439.20	8,328.16	111.04	76.004		
9,050.00	7,583.47	7,831.29	7,705.25	87.10	32.58	45.25	-6,803.35	3,088.01	8,396.04	8,284.79	111.25	75.471		
9,100.00	7,599.81	7,846.76	7,720.71	87.00	32.63	46.39	-6,803.18	3,088.16	8,350.90	8,239.47	111.42	74.947		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 134-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,150.00	7,612.72	7,858.86	7,732.82	86.88	32.66	48.91	-6,803.05	3,088.29	8,304.11	8,192.55	111.56	74.434		
9,200.00	7,622.09	7,867.51	7,741.47	86.72	32.69	53.96	-6,802.95	3,088.38	8,256.02	8,144.35	111.67	73.931		
9,250.00	7,627.87	7,872.64	7,746.60	86.55	32.71	64.95	-6,802.90	3,088.43	8,207.00	8,095.25	111.75	73.442		
9,303.98	7,630.00	7,874.17	7,748.12	86.35	32.71	97.19	-6,802.88	3,088.45	8,153.43	8,041.64	111.80	72.930		
9,400.00	7,630.00	7,873.16	7,747.12	85.99	32.71	97.12	-6,802.89	3,088.43	8,057.83	7,945.97	111.86	72.036		
9,500.00	7,630.00	7,872.12	7,746.07	85.62	32.70	97.04	-6,802.90	3,088.42	7,958.28	7,846.36	111.92	71.104		
9,600.00	7,630.00	7,871.07	7,745.03	85.28	32.70	96.96	-6,802.92	3,088.41	7,858.75	7,746.76	111.99	70.173		
9,700.00	7,630.00	7,870.03	7,743.98	84.95	32.70	96.88	-6,802.93	3,088.40	7,759.22	7,647.16	112.06	69.241		
9,800.00	7,630.00	7,868.98	7,742.93	84.64	32.69	96.80	-6,802.94	3,088.39	7,659.71	7,547.57	112.13	68.309		
9,900.00	7,630.00	7,867.93	7,741.89	84.34	32.69	96.72	-6,802.95	3,088.38	7,560.21	7,448.00	112.21	67.377		
10,000.00	7,630.00	7,866.88	7,740.84	84.06	32.69	96.64	-6,802.96	3,088.37	7,460.72	7,348.43	112.29	66.444		
10,100.00	7,630.00	7,865.83	7,739.78	83.80	32.69	96.57	-6,802.97	3,088.36	7,361.25	7,248.88	112.37	65.512		
10,200.00	7,630.00	7,864.78	7,738.73	83.56	32.68	96.49	-6,802.98	3,088.35	7,261.79	7,149.34	112.45	64.579		
10,300.00	7,630.00	7,863.72	7,737.68	83.33	32.68	96.41	-6,802.99	3,088.34	7,162.34	7,049.81	112.53	63.646		
10,400.00	7,630.00	7,862.67	7,736.62	83.12	32.68	96.33	-6,803.01	3,088.32	7,062.91	6,950.29	112.62	62.713		
10,500.00	7,630.00	7,861.61	7,735.57	82.92	32.67	96.25	-6,803.02	3,088.31	6,963.50	6,850.78	112.71	61.780		
10,600.00	7,630.00	7,860.55	7,734.51	82.75	32.67	96.17	-6,803.03	3,088.30	6,864.10	6,751.29	112.81	60.847		
10,700.00	7,630.00	7,859.50	7,733.45	82.59	32.67	96.09	-6,803.04	3,088.29	6,764.72	6,651.82	112.91	59.914		
10,800.00	7,630.00	7,858.44	7,732.39	82.45	32.66	96.01	-6,803.05	3,088.28	6,665.36	6,552.35	113.01	58.981		
10,900.00	7,630.00	7,857.38	7,731.33	82.33	32.66	95.93	-6,803.06	3,088.27	6,566.02	6,452.91	113.11	58.048		
11,000.00	7,630.00	7,856.32	7,730.27	82.22	32.66	95.85	-6,803.07	3,088.26	6,466.70	6,353.48	113.22	57.114		
11,100.00	7,630.00	7,855.25	7,729.21	82.14	32.65	95.77	-6,803.09	3,088.25	6,367.40	6,254.07	113.34	56.181		
11,200.00	7,630.00	7,854.19	7,728.15	82.08	32.65	95.69	-6,803.10	3,088.24	6,268.12	6,154.67	113.45	55.248		
11,300.00	7,630.00	7,853.12	7,727.08	82.04	32.65	95.61	-6,803.11	3,088.23	6,168.87	6,055.29	113.58	54.315		
11,400.00	7,630.00	7,852.06	7,726.01	82.02	32.64	95.53	-6,803.12	3,088.22	6,069.64	5,955.94	113.70	53.382		
11,500.00	7,630.00	7,850.99	7,724.95	82.03	32.64	95.45	-6,803.13	3,088.20	5,970.43	5,856.60	113.83	52.449		
11,600.00	7,630.00	7,849.92	7,723.88	82.06	32.64	95.37	-6,803.14	3,088.19	5,871.26	5,757.29	113.97	51.516		
11,700.00	7,630.00	7,848.85	7,722.81	82.12	32.63	95.29	-6,803.15	3,088.18	5,772.11	5,658.00	114.11	50.583		
11,800.00	7,630.00	7,847.78	7,721.74	82.21	32.63	95.21	-6,803.17	3,088.17	5,672.99	5,558.73	114.26	49.651		
11,900.00	7,630.00	7,846.71	7,720.67	82.33	32.63	95.13	-6,803.18	3,088.16	5,573.90	5,459.49	114.41	48.719		
12,000.00	7,630.00	7,845.63	7,719.59	82.48	32.62	95.05	-6,803.19	3,088.15	5,474.84	5,360.27	114.57	47.787		
12,100.00	7,630.00	7,844.56	7,718.52	82.66	32.62	94.96	-6,803.20	3,088.14	5,375.82	5,261.09	114.73	46.855		
12,200.00	7,630.00	7,843.48	7,717.44	82.88	32.62	94.88	-6,803.21	3,088.13	5,276.84	5,161.93	114.91	45.923		
12,300.00	7,630.00	7,842.41	7,716.37	83.14	32.61	94.80	-6,803.22	3,088.12	5,177.89	5,062.81	115.09	44.992		
12,400.00	7,630.00	7,841.33	7,715.29	83.44	32.61	94.72	-6,803.24	3,088.11	5,078.99	4,963.71	115.27	44.061		
12,500.00	7,630.00	7,840.25	7,714.21	83.79	32.61	94.64	-6,803.25	3,088.10	4,980.12	4,864.66	115.47	43.130		
12,600.00	7,630.00	7,839.17	7,713.13	84.18	32.60	94.56	-6,803.26	3,088.09	4,881.31	4,765.64	115.67	42.200		
12,700.00	7,630.00	7,838.09	7,712.05	84.61	32.60	94.48	-6,803.27	3,088.08	4,782.54	4,666.66	115.88	41.270		
12,800.00	7,630.00	7,837.01	7,710.96	85.10	32.60	94.39	-6,803.28	3,088.07	4,683.83	4,567.72	116.11	40.341		
12,900.00	7,630.00	7,835.92	7,709.88	85.64	32.59	94.31	-6,803.30	3,088.05	4,585.17	4,468.83	116.34	39.413		
13,000.00	7,630.00	7,834.84	7,708.80	86.22	32.59	94.23	-6,803.31	3,088.04	4,486.57	4,369.99	116.58	38.485		
13,100.00	7,630.00	7,833.75	7,707.71	86.86	32.59	94.15	-6,803.32	3,088.03	4,388.04	4,271.20	116.84	37.557		
13,200.00	7,630.00	7,832.66	7,706.62	87.56	32.58	94.07	-6,803.33	3,088.02	4,289.57	4,172.46	117.10	36.630		
13,300.00	7,630.00	7,831.57	7,705.53	88.30	32.58	93.98	-6,803.34	3,088.01	4,191.17	4,073.79	117.38	35.705		
13,400.00	7,630.00	7,830.48	7,704.44	89.10	32.58	93.90	-6,803.35	3,088.00	4,092.85	3,975.17	117.68	34.780		
13,500.00	7,630.00	7,829.39	7,703.35	89.94	32.57	93.82	-6,803.37	3,087.99	3,994.62	3,876.63	117.99	33.855		
13,600.00	7,630.00	7,828.30	7,702.26	90.84	32.57	93.74	-6,803.38	3,087.98	3,896.47	3,778.15	118.32	32.932		
13,700.00	7,630.00	7,827.21	7,701.17	91.78	32.57	93.65	-6,803.39	3,087.97	3,798.42	3,679.76	118.66	32.010		
13,800.00	7,630.00	7,826.11	7,700.07	92.77	32.56	93.57	-6,803.40	3,087.96	3,700.47	3,581.45	119.03	31.090		
13,900.00	7,630.00	7,825.02	7,698.98	93.79	32.56	93.49	-6,803.41	3,087.95	3,602.64	3,483.23	119.41	30.170		
14,000.00	7,630.00	7,823.92	7,697.88	94.86	32.56	93.40	-6,803.43	3,087.94	3,504.93	3,385.11	119.82	29.252		
14,100.00	7,630.00	7,822.82	7,696.78	95.97	32.55	93.32	-6,803.44	3,087.93	3,407.35	3,287.10	120.25	28.336		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ CRANDELL 23-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 134-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,630.00	7,821.72	7,695.68	97.11	32.55	93.24	-6,803.45	3,087.92	3,309.91	3,189.21	120.71	27.421		
14,300.00	7,630.00	7,820.62	7,694.58	98.28	32.55	93.15	-6,803.46	3,087.91	3,212.64	3,091.44	121.19	26.508		
14,400.00	7,630.00	7,819.52	7,693.48	99.48	32.54	93.07	-6,803.48	3,087.90	3,115.53	2,993.82	121.71	25.598		
14,500.00	7,630.00	7,818.41	7,692.38	100.72	32.54	92.99	-6,803.49	3,087.89	3,018.61	2,896.35	122.26	24.690		
14,600.00	7,630.00	7,817.31	7,691.27	101.97	32.53	92.90	-6,803.50	3,087.88	2,921.90	2,799.05	122.85	23.784		
14,700.00	7,630.00	7,816.20	7,690.17	103.26	32.53	92.82	-6,803.51	3,087.87	2,825.42	2,701.94	123.48	22.881		
14,800.00	7,630.00	7,815.10	7,689.06	104.56	32.53	92.74	-6,803.52	3,087.85	2,729.20	2,605.04	124.16	21.982		
14,900.00	7,630.00	7,813.99	7,687.95	105.89	32.52	92.65	-6,803.54	3,087.84	2,633.25	2,508.36	124.88	21.086		
15,000.00	7,630.00	7,812.88	7,686.84	107.24	32.52	92.57	-6,803.55	3,087.83	2,537.61	2,411.95	125.66	20.193		
15,100.00	7,630.00	7,811.77	7,685.73	108.60	32.52	92.48	-6,803.56	3,087.82	2,442.33	2,315.82	126.51	19.306		
15,200.00	7,630.00	7,810.66	7,684.62	109.98	32.51	92.40	-6,803.57	3,087.81	2,347.43	2,220.02	127.42	18.423		
15,300.00	7,630.00	7,809.54	7,683.51	111.38	32.51	92.31	-6,803.59	3,087.80	2,252.98	2,124.58	128.40	17.547		
15,400.00	7,630.00	7,808.43	7,682.39	112.79	32.51	92.23	-6,803.60	3,087.79	2,159.03	2,029.56	129.47	16.676		
15,500.00	7,630.00	7,807.31	7,681.28	114.22	32.50	92.15	-6,803.61	3,087.78	2,065.64	1,935.01	130.63	15.813		
15,600.00	7,630.00	7,806.20	7,680.16	115.66	32.50	92.06	-6,803.62	3,087.77	1,972.90	1,841.01	131.89	14.959		
15,700.00	7,630.00	7,805.08	7,679.04	117.11	32.50	91.98	-6,803.63	3,087.76	1,880.90	1,747.64	133.27	14.114		
15,800.00	7,630.00	7,803.96	7,677.92	118.57	32.49	91.89	-6,803.65	3,087.75	1,789.77	1,654.99	134.77	13.280		
15,900.00	7,630.00	7,802.84	7,676.80	120.05	32.49	91.81	-6,803.66	3,087.74	1,699.63	1,563.20	136.42	12.458		
16,000.00	7,630.00	7,801.72	7,675.68	121.53	32.49	91.72	-6,803.67	3,087.73	1,610.65	1,472.42	138.23	11.652		
16,100.00	7,630.00	7,800.59	7,674.56	123.03	32.48	91.64	-6,803.68	3,087.72	1,523.04	1,382.83	140.21	10.863		
16,200.00	7,630.00	7,799.47	7,673.43	124.53	32.48	91.55	-6,803.70	3,087.71	1,437.05	1,294.67	142.37	10.094		
16,300.00	7,630.00	7,798.34	7,672.31	126.04	32.48	91.47	-6,803.71	3,087.70	1,352.98	1,208.24	144.73	9.348		
16,400.00	7,630.00	7,797.22	7,671.18	127.56	32.47	91.38	-6,803.72	3,087.69	1,271.22	1,123.92	147.30	8.630		
16,500.00	7,630.00	7,796.09	7,670.05	129.09	32.47	91.29	-6,803.73	3,087.68	1,192.24	1,042.18	150.07	7.945		
16,600.00	7,630.00	7,794.96	7,668.92	130.62	32.47	91.21	-6,803.75	3,087.67	1,116.64	963.64	153.00	7.298		
16,700.00	7,630.00	7,793.83	7,667.79	132.16	32.46	91.12	-6,803.76	3,087.66	1,045.15	889.08	156.06	6.697		
16,800.00	7,630.00	7,792.70	7,666.66	133.71	32.46	91.04	-6,803.77	3,087.65	978.66	819.51	159.14	6.150		
16,900.00	7,630.00	7,791.56	7,665.53	135.27	32.46	90.95	-6,803.78	3,087.64	918.26	756.18	162.08	5.665		
17,000.00	7,630.00	7,790.43	7,664.39	136.83	32.45	90.86	-6,803.80	3,087.63	865.24	700.60	164.64	5.255		
17,100.00	7,630.00	7,789.29	7,663.26	138.39	32.45	90.78	-6,803.81	3,087.62	821.02	654.52	166.51	4.931		
17,200.00	7,630.00	7,788.15	7,662.12	139.97	32.44	90.69	-6,803.82	3,087.61	787.09	619.79	167.30	4.705		
17,300.00	7,630.00	7,787.02	7,660.98	141.54	32.44	90.61	-6,803.84	3,087.60	764.81	598.14	166.67	4.589 SF		
17,400.00	7,630.00	7,785.88	7,659.84	143.12	32.44	90.52	-6,803.85	3,087.59	755.22	590.81	164.41	4.594 ES		
17,422.89	7,630.00	7,785.62	7,659.58	143.49	32.44	90.50	-6,803.85	3,087.59	754.87	591.22	163.65	4.613 CC		
17,500.00	7,630.00	7,784.74	7,658.70	144.71	32.43	90.43	-6,803.86	3,087.58	758.80	598.28	160.52	4.727		
17,600.00	7,630.00	7,783.59	7,657.56	146.30	32.43	90.35	-6,803.87	3,087.57	775.37	620.09	155.28	4.993		
17,700.00	7,630.00	7,782.45	7,656.41	147.90	32.43	90.26	-6,803.89	3,087.56	804.12	654.95	149.17	5.391		
17,800.00	7,630.00	7,781.30	7,655.27	149.50	32.42	90.17	-6,803.90	3,087.55	843.82	701.11	142.71	5.913		
17,900.00	7,630.00	7,780.16	7,654.12	151.10	32.42	90.09	-6,803.91	3,087.54	892.99	756.64	136.36	6.549		
18,000.00	7,630.00	7,779.01	7,652.98	152.71	32.42	90.00	-6,803.93	3,087.53	950.18	819.74	130.45	7.284		
18,100.00	7,630.00	7,777.86	7,651.83	154.32	32.41	89.91	-6,803.94	3,087.52	1,014.03	888.87	125.16	8.102		
18,200.00	7,630.00	7,776.71	7,650.68	155.94	32.41	89.82	-6,803.95	3,087.51	1,083.36	962.79	120.57	8.986		
18,300.00	7,630.00	7,775.56	7,649.53	157.56	32.41	89.74	-6,803.96	3,087.50	1,157.18	1,040.51	116.67	9.918		
18,400.00	7,630.00	7,774.41	7,648.37	159.18	32.40	89.65	-6,803.98	3,087.49	1,234.69	1,121.28	113.41	10.887		
18,500.00	7,630.00	7,773.25	7,647.22	160.80	32.40	89.56	-6,803.99	3,087.48	1,315.24	1,204.51	110.73	11.878		
18,600.00	7,630.00	7,772.10	7,646.06	162.43	32.39	89.47	-6,804.00	3,087.47	1,398.30	1,289.77	108.54	12.883		
18,700.00	7,630.00	7,770.94	7,644.91	164.06	32.39	89.39	-6,804.02	3,087.46	1,483.45	1,376.70	106.76	13.895		
18,800.00	7,630.00	7,769.78	7,643.75	165.70	32.39	89.30	-6,804.03	3,087.45	1,570.36	1,465.03	105.33	14.909		
18,900.00	7,630.00	7,768.62	7,642.59	167.33	32.38	89.21	-6,804.04	3,087.44	1,658.74	1,554.55	104.19	15.921		
19,000.00	7,630.00	7,767.46	7,641.43	168.97	32.38	89.12	-6,804.06	3,087.43	1,748.37	1,645.09	103.28	16.929		
19,021.79	7,630.00	7,767.21	7,641.18	169.33	32.38	89.10	-6,804.06	3,087.43	1,768.05	1,664.94	103.11	17.148		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ CRANDELL 24-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 74-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	163.48	-7,146.88	2,119.67	7,454.62					
100.00	100.00	43.48	43.47	0.13	0.08	163.48	-7,146.98	2,120.15	7,455.25	7,455.04	0.20	N/A		
200.00	200.00	84.80	84.78	0.49	0.18	163.47	-7,147.25	2,121.47	7,456.74	7,456.10	0.64	N/A		
300.00	300.00	162.36	162.27	0.85	0.44	163.45	-7,148.01	2,124.35	7,458.74	7,457.45	1.28	5,809.321		
400.00	400.00	227.00	226.87	1.21	0.67	163.43	-7,148.85	2,126.76	7,461.07	7,459.20	1.88	3,976.357		
500.00	500.00	280.60	280.41	1.57	0.87	163.42	-7,149.82	2,128.85	7,463.97	7,461.54	2.43	3,072.688		
600.00	600.00	318.00	317.77	1.93	1.00	163.41	-7,150.73	2,130.41	7,467.58	7,464.66	2.92	2,554.757		
700.00	700.00	375.17	374.84	2.29	1.22	163.39	-7,152.38	2,133.33	7,471.87	7,468.38	3.49	2,140.774		
800.00	799.98	410.00	409.58	2.64	1.35	101.49	-7,153.50	2,135.56	7,477.26	7,473.29	3.97	1,882.697		
900.00	899.84	410.00	409.58	2.99	1.35	101.35	-7,153.50	2,135.56	7,484.49	7,480.17	4.32	1,730.660		
1,000.00	999.45	457.07	456.48	3.35	1.53	101.18	-7,155.62	2,138.93	7,493.03	7,488.18	4.86	1,542.440		
1,100.00	1,098.70	502.00	501.18	3.73	1.70	101.00	-7,158.67	2,142.36	7,503.70	7,498.31	5.39	1,391.362		
1,200.00	1,197.47	502.00	501.18	4.11	1.70	100.76	-7,158.67	2,142.36	7,515.71	7,509.93	5.78	1,301.126		
1,300.00	1,295.62	502.00	501.18	4.53	1.70	100.49	-7,158.67	2,142.36	7,529.66	7,523.48	6.18	1,218.477		
1,400.00	1,393.06	549.79	548.61	4.97	1.90	100.24	-7,162.78	2,146.42	7,544.98	7,538.19	6.79	1,111.329		
1,500.00	1,489.64	594.00	592.40	5.44	2.08	99.97	-7,167.19	2,150.71	7,562.06	7,554.65	7.42	1,019.709		
1,600.00	1,585.27	594.00	592.40	5.95	2.08	99.60	-7,167.19	2,150.71	7,580.54	7,572.63	7.91	958.359		
1,700.00	1,679.82	636.16	634.04	6.51	2.26	99.27	-7,171.80	2,155.40	7,600.52	7,591.91	8.61	882.548		
1,800.00	1,773.17	686.00	683.12	7.13	2.47	98.94	-7,177.57	2,161.88	7,621.98	7,612.59	9.39	811.738		
1,900.00	1,865.21	715.65	712.24	7.79	2.61	98.55	-7,181.09	2,166.17	7,644.66	7,634.52	10.14	753.768		
2,000.00	1,955.84	778.00	773.35	8.51	2.90	98.22	-7,188.39	2,176.17	7,668.41	7,657.33	11.08	691.848		
2,100.00	2,044.94	808.35	803.02	9.30	3.05	97.78	-7,192.01	2,181.42	7,693.33	7,681.37	11.95	643.718		
2,200.00	2,132.39	855.00	848.53	10.15	3.27	97.37	-7,198.01	2,189.77	7,719.63	7,706.68	12.95	596.225		
2,300.00	2,218.11	855.00	848.53	11.07	3.27	96.81	-7,198.01	2,189.77	7,747.13	7,733.34	13.79	561.664		
2,400.00	2,301.97	901.38	893.64	12.06	3.51	96.36	-7,204.42	2,198.39	7,775.85	7,760.94	14.91	521.367		
2,500.00	2,383.88	942.00	933.07	13.11	3.72	95.88	-7,210.33	2,206.19	7,805.79	7,789.73	16.07	485.832		
2,512.74	2,394.17	942.00	933.07	13.25	3.72	95.80	-7,210.33	2,206.19	7,809.68	7,793.49	16.19	482.274		
2,600.00	2,464.54	942.00	933.07	14.22	3.72	95.80	-7,210.33	2,206.19	7,836.84	7,819.77	17.07	459.126		
2,700.00	2,545.18	989.62	979.17	15.35	3.98	95.97	-7,217.71	2,215.55	7,868.58	7,850.27	18.31	429.649		
2,800.00	2,625.82	1,036.00	1,023.95	16.50	4.23	96.13	-7,225.45	2,224.83	7,901.34	7,881.77	19.57	403.813		
2,900.00	2,706.45	1,036.00	1,023.95	17.65	4.23	96.13	-7,225.45	2,224.83	7,934.80	7,914.21	20.59	385.407		
3,000.00	2,787.09	1,093.83	1,079.67	18.82	4.55	96.34	-7,235.62	2,236.48	7,968.99	7,947.09	21.91	363.739		
3,100.00	2,867.73	1,201.00	1,183.03	19.99	5.15	96.72	-7,254.51	2,257.60	8,003.28	7,979.79	23.49	340.682		
3,200.00	2,948.37	1,253.44	1,233.62	21.17	5.45	96.90	-7,263.65	2,267.95	8,037.85	8,013.05	24.80	324.156		
3,300.00	3,029.01	1,289.00	1,267.78	22.36	5.66	97.03	-7,270.14	2,275.36	8,073.32	8,047.31	26.01	310.395		
3,400.00	3,109.65	1,328.57	1,305.73	23.55	5.89	97.16	-7,277.53	2,283.82	8,109.48	8,082.24	27.25	297.615		
3,500.00	3,190.29	1,376.00	1,351.16	24.74	6.17	97.32	-7,286.52	2,294.05	8,146.21	8,117.68	28.53	285.542		
3,600.00	3,270.93	1,436.90	1,409.41	25.94	6.54	97.53	-7,298.25	2,307.37	8,183.43	8,153.54	29.89	273.793		
3,700.00	3,351.57	1,463.00	1,434.36	27.14	6.70	97.62	-7,303.33	2,313.15	8,221.21	8,190.17	31.04	264.828		
3,800.00	3,432.21	1,509.17	1,478.40	28.35	6.99	97.77	-7,312.55	2,323.46	8,259.62	8,227.30	32.31	255.597		
3,900.00	3,512.85	1,550.00	1,517.26	29.56	7.25	97.90	-7,321.07	2,332.67	8,298.82	8,265.27	33.55	247.354		
4,000.00	3,593.49	1,578.22	1,544.07	30.76	7.43	97.99	-7,327.10	2,339.10	8,338.66	8,303.96	34.71	240.266		
4,100.00	3,674.13	1,638.00	1,600.74	31.97	7.82	98.19	-7,340.09	2,353.00	8,379.13	8,343.08	36.06	232.398		
4,200.00	3,754.77	1,638.00	1,600.74	33.19	7.82	98.19	-7,340.09	2,353.00	8,420.20	8,383.18	37.02	227.458		
4,300.00	3,835.41	1,684.28	1,644.47	34.40	8.12	98.34	-7,350.49	2,364.00	8,461.88	8,423.60	38.28	221.071		
4,400.00	3,916.05	1,725.00	1,682.82	35.62	8.40	98.46	-7,360.01	2,373.84	8,504.35	8,464.85	39.49	215.337		
4,500.00	3,996.69	2,221.48	2,154.33	36.83	11.63	100.01	-7,463.93	2,489.13	8,543.87	8,500.16	43.71	195.451		
4,600.00	4,077.33	2,270.71	2,201.40	38.05	11.95	100.16	-7,473.32	2,500.07	8,582.92	8,537.91	45.00	190.718		
4,700.00	4,157.96	2,309.26	2,238.16	39.27	12.19	100.28	-7,480.84	2,508.91	8,622.55	8,576.33	46.22	186.551		
4,800.00	4,238.60	2,351.06	2,277.92	40.49	12.46	100.40	-7,489.16	2,518.78	8,662.79	8,615.33	47.46	182.546		
4,900.00	4,319.24	2,598.00	2,513.95	41.71	14.02	101.16	-7,537.34	2,572.94	8,702.79	8,652.76	50.03	173.952		
5,000.00	4,399.88	2,653.37	2,567.12	42.93	14.36	101.33	-7,547.60	2,584.52	8,741.96	8,690.61	51.35	170.257		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ CRANDELL 24-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 74-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,480.52	2,685.00	2,597.41	44.15	14.55	101.42	-7,553.65	2,591.31	8,781.83	8,729.33	52.50	167.268		
5,200.00	4,561.16	2,739.31	2,649.29	45.37	14.90	101.58	-7,564.24	2,603.39	8,822.25	8,768.44	53.81	163.951		
5,300.00	4,641.80	5,300.00	2,840.34	46.59	31.45	102.15	-7,601.94	2,651.31	8,862.38	8,793.39	68.99	128.461		
5,400.00	4,722.44	2,997.62	2,895.44	47.82	16.57	102.31	-7,612.45	2,665.08	8,902.19	8,844.71	57.48	154.866		
5,500.00	4,803.08	3,035.00	2,931.12	49.04	16.81	102.41	-7,619.46	2,673.74	8,942.56	8,883.88	58.68	152.406		
5,600.00	4,883.72	3,071.41	2,965.85	50.27	17.04	102.52	-7,626.48	2,682.11	8,983.51	8,923.66	59.85	150.091		
5,700.00	4,964.36	3,122.00	3,014.01	51.49	17.37	102.66	-7,636.61	2,693.88	9,025.14	8,964.01	61.13	147.647		
5,800.00	5,045.00	3,122.00	3,014.01	52.71	17.37	102.66	-7,636.61	2,693.88	9,067.31	9,005.28	62.03	146.180		
5,900.00	5,125.64	3,166.15	3,055.94	53.94	17.66	102.78	-7,645.80	2,704.20	9,110.10	9,046.86	63.24	144.050		
6,000.00	5,206.28	3,209.00	3,096.56	55.17	17.95	102.90	-7,655.07	2,714.20	9,153.55	9,089.11	64.44	142.045		
6,100.00	5,286.92	3,209.00	3,096.56	56.39	17.95	102.90	-7,655.07	2,714.20	9,197.62	9,132.31	65.31	140.826		
6,200.00	5,367.56	3,244.46	3,130.09	57.62	18.19	103.00	-7,663.06	2,722.50	9,242.30	9,175.86	66.44	139.105		
6,300.00	5,448.20	3,266.57	3,150.95	58.84	18.35	103.06	-7,668.21	2,727.73	9,287.69	9,220.23	67.46	137.676		
6,400.00	5,528.84	3,625.76	3,489.39	60.07	20.84	103.99	-7,748.18	2,817.51	9,332.99	9,261.85	71.14	131.191		
6,500.00	5,609.47	3,670.47	3,531.58	61.30	21.15	104.10	-7,757.41	2,829.04	9,376.56	9,304.20	72.36	129.589		
6,600.00	5,690.11	3,702.19	3,561.50	62.53	21.37	104.18	-7,764.15	2,837.13	9,420.69	9,347.23	73.46	128.238		
6,700.00	5,770.75	3,733.00	3,590.55	63.75	21.59	104.26	-7,770.87	2,844.90	9,465.40	9,390.85	74.55	126.961		
6,800.00	5,851.39	3,771.87	3,627.19	64.98	21.86	104.36	-7,779.54	2,854.58	9,510.64	9,434.94	75.70	125.636		
6,900.00	5,932.03	3,820.00	3,672.51	66.21	22.19	104.48	-7,790.54	2,866.45	9,556.40	9,479.49	76.92	124.245		
7,000.00	6,012.67	3,861.09	3,711.18	67.44	22.48	104.58	-7,800.10	2,876.54	9,602.60	9,524.53	78.07	123.003		
7,100.00	6,093.31	6,425.36	6,216.04	68.66	33.76	112.23	-8,088.93	3,169.85	9,638.57	9,546.29	92.28	104.450		
7,200.00	6,173.95	6,527.29	6,317.96	69.89	33.96	112.58	-8,087.80	3,168.62	9,664.16	9,570.61	93.55	103.301		
7,300.00	6,254.59	6,636.49	6,427.13	71.12	34.18	112.95	-8,086.30	3,167.38	9,689.85	9,595.01	94.84	102.168		
7,400.00	6,335.23	6,731.12	6,521.75	72.35	34.37	113.27	-8,084.75	3,166.51	9,715.62	9,619.53	96.09	101.105		
7,500.00	6,415.87	6,804.44	6,595.06	73.58	34.52	113.51	-8,083.55	3,166.01	9,741.69	9,644.39	97.29	100.127		
7,600.00	6,496.51	6,877.93	6,668.54	74.81	34.68	113.76	-8,082.40	3,165.66	9,768.10	9,669.62	98.49	99.182		
7,700.00	6,577.15	6,939.66	6,730.27	76.04	34.82	113.96	-8,081.52	3,165.56	9,794.91	9,695.26	99.65	98.289		
7,800.00	6,657.79	7,001.94	6,792.54	77.27	34.96	114.16	-8,080.75	3,165.70	9,822.15	9,721.33	100.82	97.426		
7,900.00	6,738.43	7,050.00	6,840.60	78.50	35.07	114.32	-8,080.24	3,165.97	9,849.83	9,747.90	101.93	96.630		
8,000.00	6,819.07	7,118.87	6,909.46	79.73	35.24	114.54	-8,079.68	3,166.63	9,877.94	9,774.83	103.11	95.796		
8,100.00	6,899.71	7,175.02	6,965.60	80.96	35.38	114.72	-8,079.38	3,167.41	9,906.54	9,802.28	104.25	95.025		
8,200.00	6,980.35	7,232.34	7,022.91	82.18	35.53	114.90	-8,079.23	3,168.42	9,935.59	9,830.21	105.39	94.278		
8,240.58	7,013.07	7,258.85	7,049.42	82.68	35.60	114.98	-8,079.20	3,168.96	9,947.51	9,841.65	105.86	93.970		
8,250.00	7,020.68	7,265.02	7,055.59	82.80	35.62	113.80	-8,079.20	3,169.08	9,950.21	9,844.24	105.97	93.898		
8,300.00	7,061.63	7,298.24	7,088.80	83.40	35.71	107.13	-8,079.20	3,169.81	9,962.09	9,855.53	106.56	93.489		
8,350.00	7,103.23	7,332.06	7,122.61	83.97	35.80	99.88	-8,079.22	3,170.61	9,969.80	9,862.64	107.16	93.037		
8,400.00	7,145.18	7,366.22	7,156.76	84.51	35.89	92.29	-8,079.28	3,171.47	9,973.28	9,865.52	107.76	92.548		
8,450.00	7,187.16	7,400.00	7,190.53	85.01	35.99	84.69	-8,079.37	3,172.38	9,972.51	9,864.15	108.36	92.030		
8,500.00	7,228.84	7,431.47	7,221.98	85.46	36.08	77.39	-8,079.49	3,173.30	9,967.50	9,858.55	108.95	91.490		
8,550.00	7,269.91	7,462.19	7,252.69	85.86	36.17	70.67	-8,079.64	3,174.29	9,958.29	9,848.78	109.51	90.934		
8,600.00	7,310.05	7,492.36	7,282.84	86.20	36.25	64.68	-8,079.83	3,175.35	9,944.94	9,834.89	110.05	90.365		
8,650.00	7,348.97	7,521.76	7,312.21	86.50	36.34	59.49	-8,080.05	3,176.46	9,927.56	9,816.99	110.57	89.786		
8,700.00	7,386.36	7,550.15	7,340.58	86.74	36.42	55.08	-8,080.29	3,177.62	9,906.25	9,795.20	111.05	89.203		
8,750.00	7,421.94	7,577.62	7,368.02	86.93	36.50	51.39	-8,080.56	3,178.80	9,881.18	9,769.67	111.51	88.616		
8,800.00	7,455.44	7,605.58	7,395.95	87.07	36.59	48.37	-8,080.86	3,180.10	9,852.52	9,740.58	111.93	88.021		
8,850.00	7,486.61	7,631.77	7,422.11	87.16	36.67	45.94	-8,081.17	3,181.39	9,820.46	9,708.14	112.32	87.430		
8,900.00	7,515.20	7,655.98	7,446.28	87.20	36.75	44.05	-8,081.47	3,182.65	9,785.25	9,672.57	112.67	86.845		
8,950.00	7,541.00	7,678.00	7,468.27	87.21	36.82	42.67	-8,081.75	3,183.86	9,747.13	9,634.15	112.99	86.269		
9,000.00	7,563.81	7,697.64	7,487.87	87.17	36.88	41.78	-8,082.02	3,184.99	9,706.39	9,593.13	113.26	85.703		
9,050.00	7,583.47	7,714.72	7,504.92	87.10	36.93	41.44	-8,082.27	3,186.00	9,663.31	9,549.83	113.49	85.149		
9,100.00	7,599.81	7,729.10	7,519.27	87.00	36.98	41.76	-8,082.48	3,186.89	9,618.23	9,504.55	113.68	84.610		
9,150.00	7,612.72	7,740.63	7,530.78	86.88	37.01	43.02	-8,082.66	3,187.61	9,571.46	9,457.63	113.83	84.085		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ CRANDELL 24-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 74-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,622.09	7,749.31	7,539.44	86.72	37.04	45.98	-8,082.79	3,188.16	9,523.36	9,409.41	113.95	83.576		
9,250.00	7,627.87	7,757.14	7,547.26	86.55	37.07	53.17	-8,082.92	3,188.67	9,474.29	9,360.25	114.04	83.079		
9,303.98	7,630.00	7,760.67	7,550.77	86.35	37.08	81.05	-8,082.97	3,188.89	9,420.64	9,306.54	114.10	82.568		
9,400.00	7,630.00	7,762.35	7,552.46	85.99	37.08	81.20	-8,083.00	3,189.00	9,324.85	9,210.69	114.16	81.683		
9,500.00	7,630.00	7,764.11	7,554.21	85.62	37.09	81.34	-8,083.02	3,189.11	9,225.10	9,110.88	114.23	80.762		
9,600.00	7,630.00	7,765.85	7,555.95	85.28	37.09	81.49	-8,083.05	3,189.22	9,125.36	9,011.06	114.29	79.841		
9,700.00	7,630.00	7,767.59	7,557.68	84.95	37.10	81.64	-8,083.08	3,189.33	9,025.62	8,911.26	114.36	78.920		
9,800.00	7,630.00	7,769.31	7,559.40	84.64	37.11	81.79	-8,083.10	3,189.44	8,925.89	8,811.45	114.44	77.999		
9,900.00	7,630.00	7,771.03	7,561.12	84.34	37.11	81.94	-8,083.13	3,189.54	8,826.16	8,711.65	114.51	77.077		
10,000.00	7,630.00	7,772.75	7,562.83	84.06	37.12	82.08	-8,083.16	3,189.65	8,726.44	8,611.85	114.59	76.156		
10,100.00	7,630.00	7,774.45	7,564.53	83.80	37.12	82.23	-8,083.18	3,189.76	8,626.72	8,512.06	114.67	75.234		
10,200.00	7,630.00	7,776.15	7,566.22	83.56	37.13	82.38	-8,083.21	3,189.86	8,527.01	8,412.27	114.75	74.312		
10,300.00	7,630.00	7,777.84	7,567.91	83.33	37.13	82.52	-8,083.23	3,189.97	8,427.31	8,312.48	114.83	73.390		
10,400.00	7,630.00	7,779.52	7,569.59	83.12	37.14	82.67	-8,083.26	3,190.07	8,327.62	8,212.70	114.91	72.468		
10,500.00	7,630.00	7,781.19	7,571.26	82.92	37.14	82.81	-8,083.28	3,190.18	8,227.93	8,112.93	115.00	71.547		
10,600.00	7,630.00	7,782.86	7,572.92	82.75	37.15	82.95	-8,083.31	3,190.28	8,128.25	8,013.16	115.09	70.625		
10,700.00	7,630.00	7,784.52	7,574.58	82.59	37.15	83.10	-8,083.33	3,190.38	8,028.58	7,913.39	115.18	69.703		
10,800.00	7,630.00	7,786.17	7,576.23	82.45	37.16	83.24	-8,083.36	3,190.48	7,928.91	7,813.63	115.28	68.781		
10,900.00	7,630.00	7,787.82	7,577.87	82.33	37.16	83.38	-8,083.38	3,190.59	7,829.25	7,713.88	115.38	67.858		
11,000.00	7,630.00	7,789.46	7,579.50	82.22	37.17	83.52	-8,083.41	3,190.69	7,729.60	7,614.13	115.48	66.936		
11,100.00	7,630.00	7,791.09	7,581.13	82.14	37.17	83.66	-8,083.43	3,190.79	7,629.97	7,514.38	115.58	66.014		
11,200.00	7,630.00	7,792.71	7,582.75	82.08	37.18	83.81	-8,083.46	3,190.88	7,530.33	7,414.65	115.69	65.092		
11,300.00	7,630.00	7,794.33	7,584.37	82.04	37.19	83.95	-8,083.48	3,190.98	7,430.71	7,314.92	115.80	64.170		
11,400.00	7,630.00	7,795.94	7,585.97	82.02	37.19	84.09	-8,083.50	3,191.08	7,331.10	7,215.19	115.91	63.249		
11,500.00	7,630.00	7,797.54	7,587.57	82.03	37.20	84.23	-8,083.53	3,191.18	7,231.50	7,115.48	116.03	62.327		
11,600.00	7,630.00	7,799.14	7,589.16	82.06	37.20	84.36	-8,083.55	3,191.28	7,131.91	7,015.77	116.15	61.405		
11,700.00	7,630.00	7,800.72	7,590.75	82.12	37.21	84.50	-8,083.57	3,191.37	7,032.34	6,916.07	116.27	60.483		
11,800.00	7,630.00	7,802.31	7,592.33	82.21	37.21	84.64	-8,083.60	3,191.47	6,932.77	6,816.37	116.40	59.562		
11,900.00	7,630.00	7,803.88	7,593.90	82.33	37.22	84.78	-8,083.62	3,191.56	6,833.22	6,716.69	116.53	58.640		
12,000.00	7,630.00	7,805.45	7,595.47	82.48	37.22	84.91	-8,083.64	3,191.66	6,733.67	6,617.01	116.66	57.719		
12,100.00	7,630.00	7,807.01	7,597.02	82.66	37.23	85.05	-8,083.67	3,191.75	6,634.15	6,517.34	116.80	56.798		
12,200.00	7,630.00	7,808.57	7,598.58	82.88	37.23	85.19	-8,083.69	3,191.84	6,534.63	6,417.69	116.95	55.877		
12,300.00	7,630.00	7,810.11	7,600.12	83.14	37.24	85.32	-8,083.71	3,191.93	6,435.13	6,318.04	117.10	54.956		
12,400.00	7,630.00	7,811.66	7,601.66	83.44	37.24	85.46	-8,083.73	3,192.03	6,335.65	6,218.40	117.25	54.036		
12,500.00	7,630.00	7,813.19	7,603.19	83.79	37.25	85.59	-8,083.76	3,192.12	6,236.18	6,118.78	117.41	53.115		
12,600.00	7,630.00	7,814.72	7,604.72	84.18	37.25	85.73	-8,083.78	3,192.21	6,136.73	6,019.16	117.57	52.195		
12,700.00	7,630.00	7,816.24	7,606.24	84.61	37.25	85.86	-8,083.80	3,192.30	6,037.30	5,919.56	117.74	51.275		
12,800.00	7,630.00	7,817.76	7,607.75	85.10	37.26	85.99	-8,083.82	3,192.39	5,937.89	5,819.97	117.92	50.356		
12,900.00	7,630.00	7,819.27	7,609.26	85.64	37.26	86.12	-8,083.84	3,192.48	5,838.49	5,720.39	118.10	49.437		
13,000.00	7,630.00	7,820.77	7,610.76	86.22	37.27	86.26	-8,083.86	3,192.57	5,739.12	5,620.83	118.29	48.518		
13,100.00	7,630.00	7,822.26	7,612.25	86.86	37.27	86.39	-8,083.89	3,192.65	5,639.77	5,521.28	118.49	47.599		
13,200.00	7,630.00	7,823.76	7,613.74	87.56	37.28	86.52	-8,083.91	3,192.74	5,540.44	5,421.75	118.69	46.681		
13,300.00	7,630.00	7,825.24	7,615.22	88.30	37.28	86.65	-8,083.93	3,192.83	5,441.14	5,322.24	118.90	45.763		
13,400.00	7,630.00	7,826.72	7,616.69	89.10	37.29	86.78	-8,083.95	3,192.91	5,341.86	5,222.74	119.12	44.845		
13,500.00	7,630.00	7,828.19	7,618.16	89.94	37.29	86.91	-8,083.97	3,193.00	5,242.61	5,123.26	119.34	43.928		
13,600.00	7,630.00	7,829.65	7,619.63	90.84	37.30	87.04	-8,083.99	3,193.09	5,143.38	5,023.80	119.58	43.012		
13,700.00	7,630.00	7,831.11	7,621.08	91.78	37.30	87.17	-8,084.01	3,193.17	5,044.19	4,924.36	119.83	42.096		
13,800.00	7,630.00	7,832.57	7,622.53	92.77	37.31	87.30	-8,084.03	3,193.25	4,945.03	4,824.95	120.08	41.180		
13,900.00	7,630.00	7,834.01	7,623.98	93.79	37.31	87.42	-8,084.05	3,193.34	4,845.90	4,725.55	120.35	40.265		
14,000.00	7,630.00	7,835.46	7,625.42	94.86	37.32	87.55	-8,084.07	3,193.42	4,746.81	4,626.18	120.63	39.351		
14,100.00	7,630.00	7,836.89	7,626.85	95.97	37.32	87.68	-8,084.09	3,193.50	4,647.76	4,526.84	120.92	38.437		
14,200.00	7,630.00	7,838.32	7,628.28	97.11	37.33	87.80	-8,084.11	3,193.59	4,548.75	4,427.53	121.22	37.524		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ CRANDELL 24-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 74-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,630.00	7,839.75	7,629.70	98.28	37.33	87.93	-8,084.13	3,193.67	4,449.78	4,328.24	121.54	36.612		
14,400.00	7,630.00	7,841.16	7,631.11	99.48	37.33	88.05	-8,084.15	3,193.75	4,350.86	4,228.99	121.87	35.701		
14,500.00	7,630.00	7,842.58	7,632.52	100.72	37.34	88.18	-8,084.17	3,193.83	4,251.99	4,129.77	122.22	34.790		
14,600.00	7,630.00	7,843.98	7,633.93	101.97	37.34	88.30	-8,084.19	3,193.91	4,153.17	4,030.59	122.58	33.880		
14,700.00	7,630.00	7,845.38	7,635.33	103.26	37.35	88.43	-8,084.21	3,193.99	4,054.41	3,931.45	122.97	32.972		
14,800.00	7,630.00	7,846.78	7,636.72	104.56	37.35	88.55	-8,084.23	3,194.07	3,955.72	3,832.35	123.37	32.064		
14,900.00	7,630.00	7,848.17	7,638.11	105.89	37.36	88.68	-8,084.25	3,194.15	3,857.09	3,733.29	123.79	31.157		
15,000.00	7,630.00	7,849.55	7,639.49	107.24	37.36	88.80	-8,084.27	3,194.23	3,758.53	3,634.29	124.24	30.252		
15,100.00	7,630.00	7,850.93	7,640.86	108.60	37.37	88.92	-8,084.28	3,194.30	3,660.05	3,535.33	124.71	29.348		
15,200.00	7,630.00	7,852.30	7,642.23	109.98	37.37	89.04	-8,084.30	3,194.38	3,561.65	3,436.44	125.21	28.445		
15,300.00	7,630.00	7,853.67	7,643.60	111.38	37.37	89.16	-8,084.32	3,194.46	3,463.34	3,337.61	125.74	27.544		
15,400.00	7,630.00	7,855.03	7,644.96	112.79	37.38	89.28	-8,084.34	3,194.54	3,365.14	3,238.84	126.30	26.645		
15,500.00	7,630.00	7,856.39	7,646.31	114.22	37.38	89.40	-8,084.36	3,194.61	3,267.04	3,140.15	126.89	25.747		
15,600.00	7,630.00	7,857.74	7,647.66	115.66	37.39	89.52	-8,084.38	3,194.69	3,169.06	3,041.54	127.52	24.851		
15,700.00	7,630.00	7,859.08	7,649.00	117.11	37.39	89.64	-8,084.40	3,194.76	3,071.21	2,943.02	128.19	23.958		
15,800.00	7,630.00	7,860.42	7,650.34	118.57	37.40	89.76	-8,084.41	3,194.84	2,973.50	2,844.59	128.91	23.067		
15,900.00	7,630.00	7,861.76	7,651.68	120.05	37.40	89.88	-8,084.43	3,194.91	2,875.95	2,746.28	129.68	22.178		
16,000.00	7,630.00	7,863.09	7,653.00	121.53	37.40	90.00	-8,084.45	3,194.99	2,778.57	2,648.08	130.50	21.292		
16,100.00	7,630.00	7,864.41	7,654.32	123.03	37.41	90.12	-8,084.47	3,195.06	2,681.39	2,550.01	131.38	20.410		
16,200.00	7,630.00	7,865.73	7,655.64	124.53	37.41	90.24	-8,084.48	3,195.13	2,584.42	2,452.09	132.33	19.531		
16,300.00	7,630.00	7,867.05	7,656.95	126.04	37.42	90.35	-8,084.50	3,195.21	2,487.69	2,354.34	133.35	18.656		
16,400.00	7,630.00	7,868.35	7,658.26	127.56	37.42	90.47	-8,084.52	3,195.28	2,391.22	2,256.77	134.45	17.785		
16,500.00	7,630.00	7,869.66	7,659.56	129.09	37.43	90.58	-8,084.54	3,195.35	2,295.06	2,159.41	135.65	16.919		
16,600.00	7,630.00	7,870.96	7,660.86	130.62	37.43	90.70	-8,084.55	3,195.42	2,199.24	2,062.29	136.95	16.058		
16,700.00	7,630.00	7,872.25	7,662.15	132.16	37.43	90.82	-8,084.57	3,195.49	2,103.81	1,965.44	138.37	15.204		
16,800.00	7,630.00	7,873.54	7,663.44	133.71	37.44	90.93	-8,084.59	3,195.56	2,008.83	1,868.90	139.92	14.357		
16,900.00	7,630.00	7,874.82	7,664.72	135.27	37.44	91.04	-8,084.61	3,195.63	1,914.35	1,772.73	141.62	13.518		
17,000.00	7,630.00	7,876.10	7,666.99	136.83	37.45	91.16	-8,084.62	3,195.70	1,820.46	1,676.97	143.49	12.687		
17,100.00	7,630.00	7,877.37	7,667.26	138.39	37.45	91.27	-8,084.64	3,195.77	1,727.26	1,581.72	145.54	11.868		
17,200.00	7,630.00	7,878.64	7,668.53	139.97	37.45	91.39	-8,084.66	3,195.84	1,634.85	1,487.04	147.81	11.060		
17,300.00	7,630.00	7,879.91	7,669.79	141.54	37.46	91.50	-8,084.67	3,195.91	1,543.40	1,393.08	150.32	10.267		
17,400.00	7,630.00	7,881.16	7,671.05	143.12	37.46	91.61	-8,084.69	3,195.98	1,453.07	1,299.96	153.11	9.490		
17,500.00	7,630.00	7,882.42	7,672.30	144.71	37.47	91.72	-8,084.70	3,196.04	1,364.09	1,207.88	156.21	8.732		
17,600.00	7,630.00	7,883.67	7,673.55	146.30	37.47	91.83	-8,084.72	3,196.11	1,276.74	1,117.09	159.65	7.997		
17,700.00	7,630.00	7,884.91	7,674.79	147.90	37.47	91.94	-8,084.74	3,196.18	1,191.38	1,027.92	163.46	7.289		
17,800.00	7,630.00	7,886.15	7,676.03	149.50	37.48	92.05	-8,084.75	3,196.25	1,108.47	940.81	167.66	6.611		
17,900.00	7,630.00	7,887.39	7,677.26	151.10	37.48	92.16	-8,084.77	3,196.31	1,028.60	856.35	172.25	5.971		
18,000.00	7,630.00	7,888.62	7,678.49	152.71	37.49	92.27	-8,084.79	3,196.38	952.54	775.36	177.18	5.376		
18,100.00	7,630.00	7,889.84	7,679.71	154.32	37.49	92.38	-8,084.80	3,196.44	881.27	698.95	182.32	4.834		
18,200.00	7,630.00	7,891.06	7,680.93	155.94	37.49	92.49	-8,084.82	3,196.51	816.06	628.64	187.41	4.354		
18,300.00	7,630.00	7,892.28	7,682.15	157.56	37.50	92.60	-8,084.83	3,196.57	758.45	566.43	192.02	3.950		
18,400.00	7,630.00	7,893.49	7,683.36	159.18	37.50	92.71	-8,084.85	3,196.64	710.32	514.84	195.48	3.634		
18,500.00	7,630.00	7,894.70	7,684.56	160.80	37.51	92.82	-8,084.86	3,196.70	673.68	476.74	196.95	3.421		
18,600.00	7,630.00	7,895.90	7,685.76	162.43	37.51	92.92	-8,084.88	3,196.77	650.49	454.89	195.60	3.326 SF		
18,700.00	7,630.00	7,897.10	7,686.96	164.06	37.51	93.03	-8,084.89	3,196.83	642.21	451.24	190.97	3.363 ES		
18,703.56	7,630.00	7,897.14	7,687.00	164.12	37.51	93.03	-8,084.89	3,196.83	642.20	451.45	190.74	3.367 CC		
18,800.00	7,630.00	7,898.29	7,688.15	165.70	37.52	93.14	-8,084.91	3,196.89	649.40	466.13	183.27	3.543		
18,900.00	7,630.00	7,899.48	7,689.34	167.33	37.52	93.24	-8,084.92	3,196.96	671.57	498.17	173.40	3.873		
19,000.00	7,630.00	7,900.66	7,690.52	168.97	37.52	93.35	-8,084.94	3,197.02	707.31	544.73	162.58	4.351		
19,021.79	7,630.00	7,900.92	7,690.78	169.33	37.52	93.37	-8,084.94	3,197.03	716.71	556.50	160.21	4.474		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 43-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	11.81	11.81	0.00	0.02	163.57	-7,163.64	2,111.84	7,468.45					
100.00	100.00	64.82	64.82	0.13	0.13	163.57	-7,163.83	2,112.12	7,468.92	7,468.66	0.27	N/A		
200.00	200.00	135.00	134.99	0.49	0.39	163.57	-7,164.33	2,113.25	7,470.03	7,469.15	0.88	8,511.950		
300.00	300.00	179.63	179.60	0.85	0.55	163.56	-7,164.80	2,114.38	7,471.65	7,470.26	1.40	5,347.039		
400.00	400.00	227.00	226.94	1.21	0.72	163.55	-7,165.42	2,115.85	7,473.86	7,471.93	1.93	3,879.360		
500.00	500.00	265.76	265.66	1.57	0.86	163.54	-7,166.11	2,117.45	7,476.83	7,474.41	2.43	3,081.332		
600.00	600.00	318.00	317.79	1.93	1.05	163.52	-7,167.47	2,120.58	7,480.82	7,477.84	2.97	2,514.894		
700.00	700.00	318.00	317.79	2.29	1.05	163.52	-7,167.47	2,120.58	7,485.56	7,482.23	3.33	2,245.855		
800.00	799.98	350.78	350.46	2.64	1.18	101.60	-7,168.66	2,123.02	7,491.70	7,487.89	3.81	1,966.876		
900.00	899.84	374.91	374.48	2.99	1.27	101.44	-7,169.79	2,125.00	7,499.56	7,495.31	4.25	1,764.135		
1,000.00	999.45	410.00	409.37	3.35	1.41	101.26	-7,171.80	2,128.13	7,509.15	7,504.41	4.74	1,584.419		
1,100.00	1,098.70	410.00	409.37	3.73	1.41	101.04	-7,171.80	2,128.13	7,520.40	7,515.29	5.11	1,472.366		
1,200.00	1,197.47	454.74	453.81	4.11	1.58	100.81	-7,175.00	2,132.26	7,533.16	7,527.50	5.66	1,331.119		
1,300.00	1,295.62	502.00	500.69	4.53	1.77	100.57	-7,179.13	2,136.52	7,547.63	7,541.39	6.24	1,209.609		
1,400.00	1,393.06	502.00	500.69	4.97	1.77	100.26	-7,179.13	2,136.52	7,563.53	7,556.86	6.67	1,134.437		
1,500.00	1,489.64	540.94	539.27	5.44	1.94	99.97	-7,183.11	2,139.92	7,580.98	7,573.71	7.27	1,042.300		
1,600.00	1,585.27	594.00	591.78	5.95	2.16	99.69	-7,189.37	2,144.38	7,600.11	7,592.14	7.97	953.758		
1,700.00	1,679.82	594.00	591.78	6.51	2.16	99.28	-7,189.37	2,144.38	7,620.45	7,611.95	8.50	896.314		
1,800.00	1,773.17	635.39	632.68	7.13	2.33	98.94	-7,194.86	2,147.59	7,642.31	7,633.08	9.24	827.259		
1,900.00	1,865.21	686.00	682.64	7.79	2.55	98.61	-7,202.17	2,151.01	7,665.55	7,655.49	10.06	762.168		
2,000.00	1,955.84	686.00	682.64	8.51	2.55	98.11	-7,202.17	2,151.01	7,690.10	7,679.37	10.73	716.438		
2,100.00	2,044.94	686.00	682.64	9.30	2.55	97.57	-7,202.17	2,151.01	7,716.34	7,704.88	11.46	673.183		
2,200.00	2,132.39	735.72	731.60	10.15	2.76	97.18	-7,210.30	2,153.91	7,743.51	7,731.07	12.44	622.500		
2,300.00	2,218.11	778.00	773.08	11.07	2.95	96.75	-7,218.19	2,156.07	7,772.54	7,759.09	13.45	578.049		
2,400.00	2,301.97	778.00	773.08	12.06	2.95	96.13	-7,218.19	2,156.07	7,802.61	7,788.27	14.34	543.981		
2,500.00	2,383.88	778.00	773.08	13.11	2.95	95.46	-7,218.19	2,156.07	7,834.20	7,818.90	15.30	512.126		
2,512.74	2,394.17	778.00	773.08	13.25	2.95	95.38	-7,218.19	2,156.07	7,838.33	7,822.91	15.42	508.234		
2,600.00	2,464.54	778.00	773.08	14.22	2.95	95.38	-7,218.19	2,156.07	7,867.13	7,850.84	16.29	482.968		
2,700.00	2,545.18	819.83	813.96	15.35	3.15	95.57	-7,226.87	2,157.94	7,900.67	7,883.21	17.46	452.447		
2,800.00	2,625.82	855.00	848.18	16.50	3.31	95.74	-7,234.85	2,159.31	7,935.49	7,916.88	18.61	426.312		
2,900.00	2,706.45	855.00	848.18	17.65	3.31	95.74	-7,234.85	2,159.31	7,971.05	7,951.43	19.62	406.233		
3,000.00	2,787.09	855.00	848.18	18.82	3.31	95.74	-7,234.85	2,159.31	8,007.70	7,987.07	20.63	388.206		
3,100.00	2,867.73	890.63	882.74	19.99	3.49	95.91	-7,243.44	2,160.68	8,045.14	8,023.35	21.79	369.271		
3,200.00	2,948.37	911.01	902.45	21.17	3.59	96.00	-7,248.52	2,161.52	8,083.51	8,060.63	22.88	353.373		
3,300.00	3,029.01	942.00	932.37	22.36	3.75	96.15	-7,256.49	2,162.89	8,122.77	8,098.77	24.01	338.355		
3,400.00	3,109.65	942.00	932.37	23.55	3.75	96.15	-7,256.49	2,162.89	8,162.86	8,137.87	24.99	326.602		
3,500.00	3,190.29	979.21	968.20	24.74	3.94	96.32	-7,266.35	2,164.72	8,203.73	8,177.58	26.15	313.672		
3,600.00	3,270.93	1,004.51	992.51	25.94	4.08	96.44	-7,273.22	2,166.10	8,245.41	8,218.17	27.24	302.673		
3,700.00	3,351.57	1,031.00	1,017.92	27.14	4.22	96.56	-7,280.54	2,167.68	8,287.86	8,259.53	28.33	292.523		
3,800.00	3,432.21	1,063.97	1,049.49	28.35	4.41	96.70	-7,289.79	2,169.79	8,331.05	8,301.60	29.45	282.885		
3,900.00	3,512.85	1,116.00	1,099.23	29.56	4.70	96.94	-7,304.64	2,173.43	8,374.94	8,344.27	30.66	273.122		
4,000.00	3,593.49	1,163.13	1,144.24	30.76	4.98	97.15	-7,318.21	2,176.77	8,419.35	8,387.50	31.85	264.376		
4,100.00	3,674.13	1,204.00	1,183.29	31.97	5.21	97.33	-7,329.95	2,179.46	8,464.13	8,431.13	32.99	256.549		
4,200.00	3,754.77	1,245.91	1,223.30	33.19	5.46	97.52	-7,342.15	2,182.16	8,509.49	8,475.35	34.14	249.272		
4,300.00	3,835.41	1,291.00	1,266.22	34.40	5.73	97.72	-7,355.64	2,185.13	8,555.65	8,520.36	35.29	242.408		
4,400.00	3,916.05	1,291.00	1,266.22	35.62	5.73	97.72	-7,355.64	2,185.13	8,602.41	8,566.21	36.20	237.633		
4,500.00	3,996.69	1,331.19	1,304.39	36.83	5.98	97.89	-7,367.94	2,187.88	8,649.85	8,612.53	37.32	231.788		
4,600.00	4,077.33	1,378.00	1,348.72	38.05	6.27	98.10	-7,382.56	2,191.26	8,697.98	8,659.51	38.47	226.116		
4,700.00	4,157.96	1,378.00	1,348.72	39.27	6.27	98.10	-7,382.56	2,191.26	8,746.69	8,707.35	39.34	222.317		
4,800.00	4,238.60	1,423.28	1,391.50	40.49	6.56	98.29	-7,396.97	2,194.79	8,796.00	8,755.53	40.47	217.332		
4,900.00	4,319.24	1,466.00	1,431.75	41.71	6.83	98.47	-7,410.81	2,198.45	8,845.97	8,804.38	41.58	212.736		
5,000.00	4,399.88	1,466.00	1,431.75	42.93	6.83	98.47	-7,410.81	2,198.45	8,896.54	8,854.11	42.43	209.681		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ CRANDELL 2-8-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 43-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,480.52	1,466.00	1,431.75	44.15	6.83	98.47	-7,410.81	2,198.45	8,947.94	8,904.67	43.26	206.823		
5,200.00	4,561.16	1,510.29	1,473.31	45.37	7.13	98.66	-7,425.61	2,202.38	8,999.70	8,955.34	44.36	202.869		
5,300.00	4,641.80	1,553.00	1,513.16	46.59	7.42	98.84	-7,440.50	2,206.14	9,052.47	9,007.03	45.44	199.197		
5,400.00	4,722.44	1,553.00	1,513.16	47.82	7.42	98.84	-7,440.50	2,206.14	9,105.61	9,059.36	46.25	196.878		
5,500.00	4,803.08	1,553.00	1,513.16	49.04	7.42	98.84	-7,440.50	2,206.14	9,159.54	9,112.50	47.04	194.704		
5,600.00	4,883.72	1,553.00	1,513.16	50.27	7.42	98.84	-7,440.50	2,206.14	9,214.23	9,166.41	47.82	192.667		
5,700.00	4,964.36	1,600.50	1,557.26	51.49	7.75	99.04	-7,457.71	2,210.12	9,269.25	9,220.35	48.91	189.523		
5,800.00	5,045.00	1,640.00	1,593.77	52.71	8.03	99.20	-7,472.46	2,213.18	9,325.11	9,275.17	49.93	186.752		
5,900.00	5,125.64	1,640.00	1,593.77	53.94	8.03	99.20	-7,472.46	2,213.18	9,381.40	9,330.71	50.69	185.090		
6,000.00	5,206.28	1,665.10	1,616.91	55.17	8.21	99.31	-7,482.01	2,215.01	9,438.33	9,386.73	51.60	182.922		
6,100.00	5,286.92	1,691.94	1,641.61	56.39	8.41	99.42	-7,492.33	2,216.90	9,495.79	9,443.27	52.51	180.825		
6,200.00	5,367.56	1,728.00	1,674.74	57.62	8.67	99.58	-7,506.36	2,219.33	9,553.76	9,500.28	53.49	178.622		
6,300.00	5,448.20	2,444.02	2,341.13	58.84	13.72	102.48	-7,763.02	2,266.56	9,610.22	9,551.15	59.07	162.685		
6,400.00	5,528.84	2,482.07	2,377.01	60.07	13.98	102.63	-7,775.49	2,268.68	9,664.20	9,604.12	60.08	160.853		
6,500.00	5,609.47	2,677.48	2,561.75	61.30	15.27	103.40	-7,838.50	2,277.84	9,717.92	9,655.82	62.10	156.486		
6,600.00	5,690.11	2,711.46	2,593.94	62.53	15.49	103.54	-7,849.31	2,279.16	9,771.69	9,708.61	63.08	154.921		
6,700.00	5,770.75	2,739.51	2,620.45	63.75	15.68	103.65	-7,858.36	2,280.55	9,825.98	9,761.97	64.01	153.518		
6,800.00	5,851.39	2,775.00	2,653.91	64.98	15.91	103.78	-7,869.99	2,282.74	9,880.79	9,815.81	64.98	152.062		
6,900.00	5,932.03	2,840.53	2,715.61	66.21	16.36	104.02	-7,891.58	2,287.39	9,935.97	9,869.82	66.16	150.188		
7,000.00	6,012.67	2,906.11	2,777.36	67.44	16.80	104.26	-7,913.15	2,292.15	9,991.31	9,923.98	67.33	148.390		
9,600.00	7,630.00	7,937.26	7,657.67	85.28	39.63	90.19	-8,783.24	2,406.70	9,908.16	9,799.67	108.49	91.330		
9,700.00	7,630.00	7,937.41	7,657.82	84.95	39.63	90.19	-8,783.24	2,406.70	9,809.22	9,700.60	108.62	90.308		
9,800.00	7,630.00	7,937.57	7,657.98	84.64	39.63	90.20	-8,783.24	2,406.70	9,710.30	9,601.54	108.75	89.287		
9,900.00	7,630.00	7,937.73	7,658.14	84.34	39.63	90.21	-8,783.25	2,406.70	9,611.40	9,502.50	108.89	88.265		
10,000.00	7,630.00	7,937.89	7,658.29	84.06	39.63	90.21	-8,783.25	2,406.70	9,512.52	9,403.48	109.03	87.243		
10,100.00	7,630.00	7,938.04	7,658.45	83.80	39.63	90.22	-8,783.25	2,406.71	9,413.67	9,304.48	109.18	86.221		
10,200.00	7,630.00	7,938.20	7,658.61	83.56	39.63	90.23	-8,783.25	2,406.71	9,314.84	9,205.51	109.33	85.199		
10,300.00	7,630.00	7,938.37	7,658.78	83.33	39.63	90.23	-8,783.25	2,406.71	9,216.03	9,106.55	109.48	84.176		
10,400.00	7,630.00	7,938.53	7,658.94	83.12	39.63	90.24	-8,783.25	2,406.71	9,117.26	9,007.61	109.64	83.154		
10,500.00	7,630.00	7,938.69	7,659.10	82.92	39.63	90.24	-8,783.25	2,406.72	9,018.51	8,908.70	109.81	82.131		
10,600.00	7,630.00	7,938.86	7,659.27	82.75	39.63	90.25	-8,783.25	2,406.72	8,919.78	8,809.81	109.97	81.109		
10,700.00	7,630.00	7,939.02	7,659.43	82.59	39.64	90.26	-8,783.25	2,406.72	8,821.09	8,710.94	110.14	80.086		
10,800.00	7,630.00	7,939.19	7,659.60	82.45	39.64	90.26	-8,783.25	2,406.72	8,722.43	8,612.10	110.32	79.064		
10,900.00	7,630.00	7,939.36	7,659.76	82.33	39.64	90.27	-8,783.25	2,406.73	8,623.79	8,513.29	110.50	78.041		
11,000.00	7,630.00	7,939.52	7,659.93	82.22	39.64	90.28	-8,783.25	2,406.73	8,525.19	8,414.50	110.69	77.019		
11,100.00	7,630.00	7,939.69	7,660.10	82.14	39.64	90.28	-8,783.25	2,406.73	8,426.62	8,315.74	110.88	75.996		
11,200.00	7,630.00	7,939.86	7,660.27	82.08	39.64	90.29	-8,783.25	2,406.73	8,328.09	8,217.01	111.08	74.974		
11,300.00	7,630.00	7,940.04	7,660.45	82.04	39.64	90.30	-8,783.25	2,406.74	8,229.59	8,118.31	111.28	73.952		
11,400.00	7,630.00	7,940.21	7,660.62	82.02	39.64	90.31	-8,783.25	2,406.74	8,131.13	8,019.64	111.49	72.930		
11,500.00	7,630.00	7,940.38	7,660.79	82.03	39.64	90.31	-8,783.25	2,406.74	8,032.70	7,921.00	111.71	71.908		
11,600.00	7,630.00	7,940.56	7,660.97	82.06	39.64	90.32	-8,783.25	2,406.74	7,934.32	7,822.39	111.93	70.887		
11,700.00	7,630.00	7,940.73	7,661.14	82.12	39.64	90.33	-8,783.25	2,406.75	7,835.97	7,723.82	112.16	69.866		
11,800.00	7,630.00	7,940.91	7,661.32	82.21	39.64	90.33	-8,783.25	2,406.75	7,737.67	7,625.28	112.39	68.845		
11,900.00	7,630.00	7,941.09	7,661.50	82.33	39.64	90.34	-8,783.25	2,406.75	7,639.42	7,526.78	112.64	67.824		
12,000.00	7,630.00	7,941.27	7,661.68	82.48	39.64	90.35	-8,783.25	2,406.75	7,541.20	7,428.32	112.89	66.804		
12,100.00	7,630.00	7,941.45	7,661.86	82.66	39.64	90.36	-8,783.25	2,406.76	7,443.04	7,329.90	113.14	65.784		
12,200.00	7,630.00	7,941.63	7,662.04	82.88	39.64	90.36	-8,783.25	2,406.76	7,344.93	7,231.52	113.41	64.765		
12,300.00	7,630.00	7,941.81	7,662.22	83.14	39.64	90.37	-8,783.25	2,406.76	7,246.86	7,133.18	113.68	63.746		
12,400.00	7,630.00	7,942.00	7,662.41	83.44	39.64	90.38	-8,783.25	2,406.76	7,148.85	7,034.89	113.97	62.728		
12,500.00	7,630.00	7,942.18	7,662.59	83.79	39.64	90.38	-8,783.25	2,406.77	7,050.90	6,936.64	114.26	61.711		
12,600.00	7,630.00	7,942.37	7,662.78	84.18	39.64	90.39	-8,783.25	2,406.77	6,953.01	6,838.45	114.56	60.694		
12,700.00	7,630.00	7,942.56	7,662.97	84.61	39.64	90.40	-8,783.25	2,406.77	6,855.17	6,740.30	114.87	59.678		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ CRANDELL 2-8-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 43-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
12,800.00	7,630.00	7,942.75	7,663.16	85.10	39.64	90.41	-8,783.25	2,406.78	6,757.40	6,642.21	115.19	58.662		
12,900.00	7,630.00	7,942.94	7,663.35	85.64	39.65	90.41	-8,783.25	2,406.78	6,659.70	6,544.17	115.52	57.647		
13,000.00	7,630.00	7,943.13	7,663.54	86.22	39.65	90.42	-8,783.25	2,406.78	6,562.06	6,446.19	115.87	56.634		
13,100.00	7,630.00	7,943.32	7,663.73	86.86	39.65	90.43	-8,783.25	2,406.79	6,464.50	6,348.27	116.22	55.621		
13,200.00	7,630.00	7,943.51	7,663.92	87.56	39.65	90.44	-8,783.26	2,406.79	6,367.01	6,250.42	116.59	54.609		
13,300.00	7,630.00	7,943.71	7,664.12	88.30	39.65	90.45	-8,783.26	2,406.79	6,269.60	6,152.63	116.97	53.598		
13,400.00	7,630.00	7,943.91	7,664.32	89.10	39.65	90.45	-8,783.26	2,406.79	6,172.27	6,054.91	117.37	52.589		
13,500.00	7,630.00	7,944.11	7,664.51	89.94	39.65	90.46	-8,783.26	2,406.80	6,075.04	5,957.26	117.78	51.581		
13,600.00	7,630.00	7,944.30	7,664.71	90.84	39.65	90.47	-8,783.26	2,406.80	5,977.89	5,859.69	118.20	50.574		
13,700.00	7,630.00	7,944.51	7,664.91	91.78	39.65	90.48	-8,783.26	2,406.80	5,880.84	5,762.19	118.64	49.568		
13,800.00	7,630.00	7,944.71	7,665.12	92.77	39.65	90.49	-8,783.26	2,406.81	5,783.88	5,664.79	119.10	48.564		
13,900.00	7,630.00	7,944.91	7,665.32	93.79	39.65	90.49	-8,783.26	2,406.81	5,687.04	5,567.47	119.57	47.562		
14,000.00	7,630.00	7,945.12	7,665.52	94.86	39.65	90.50	-8,783.26	2,406.81	5,590.30	5,470.24	120.06	46.561		
14,100.00	7,630.00	7,945.32	7,665.73	95.97	39.65	90.51	-8,783.26	2,406.82	5,493.68	5,373.11	120.57	45.563		
14,200.00	7,630.00	7,945.53	7,665.94	97.11	39.65	90.52	-8,783.26	2,406.82	5,397.19	5,276.08	121.11	44.566		
14,300.00	7,630.00	7,945.74	7,666.15	98.28	39.65	90.53	-8,783.26	2,406.82	5,300.82	5,179.17	121.66	43.571		
14,400.00	7,630.00	7,945.95	7,666.36	99.48	39.65	90.54	-8,783.26	2,406.83	5,204.60	5,082.36	122.23	42.579		
14,500.00	7,630.00	7,946.16	7,666.57	100.72	39.65	90.54	-8,783.26	2,406.83	5,108.51	4,985.68	122.83	41.589		
14,600.00	7,630.00	7,946.38	7,666.78	101.97	39.65	90.55	-8,783.26	2,406.83	5,012.58	4,889.13	123.46	40.601		
14,700.00	7,630.00	7,946.59	7,667.00	103.26	39.65	90.56	-8,783.26	2,406.84	4,916.82	4,792.71	124.11	39.617		
14,800.00	7,630.00	7,946.81	7,667.22	104.56	39.65	90.57	-8,783.26	2,406.84	4,821.22	4,696.43	124.79	38.635		
14,900.00	7,630.00	7,947.03	7,667.43	105.89	39.66	90.58	-8,783.26	2,406.84	4,725.81	4,600.31	125.50	37.657		
15,000.00	7,630.00	7,947.25	7,667.65	107.24	39.66	90.59	-8,783.26	2,406.85	4,630.59	4,504.35	126.24	36.681		
15,100.00	7,630.00	7,947.47	7,667.88	108.60	39.66	90.60	-8,783.26	2,406.85	4,535.57	4,408.56	127.01	35.710		
15,200.00	7,630.00	7,947.69	7,668.10	109.98	39.66	90.61	-8,783.26	2,406.85	4,440.78	4,312.96	127.82	34.742		
15,300.00	7,630.00	7,947.91	7,668.32	111.38	39.66	90.61	-8,783.26	2,406.86	4,346.22	4,217.55	128.67	33.778		
15,400.00	7,630.00	7,948.14	7,668.55	112.79	39.66	90.62	-8,783.26	2,406.86	4,251.90	4,122.35	129.56	32.819		
15,500.00	7,630.00	7,948.37	7,668.78	114.22	39.66	90.63	-8,783.26	2,406.87	4,157.86	4,027.37	130.49	31.864		
15,600.00	7,630.00	7,948.60	7,669.01	115.66	39.66	90.64	-8,783.27	2,406.87	4,064.09	3,932.63	131.46	30.915		
15,700.00	7,630.00	7,948.83	7,669.24	117.11	39.66	90.65	-8,783.27	2,406.87	3,970.63	3,838.15	132.48	29.971		
15,800.00	7,630.00	7,949.06	7,669.47	118.57	39.66	90.66	-8,783.27	2,406.88	3,877.50	3,743.94	133.56	29.032		
15,900.00	7,630.00	7,949.30	7,669.70	120.05	39.66	90.67	-8,783.27	2,406.88	3,784.72	3,650.03	134.69	28.100		
16,000.00	7,630.00	7,949.53	7,669.94	121.53	39.66	90.68	-8,783.27	2,406.88	3,692.31	3,556.44	135.87	27.175		
16,100.00	7,630.00	7,949.77	7,670.18	123.03	39.66	90.69	-8,783.27	2,406.89	3,600.31	3,463.19	137.12	26.256		
16,200.00	7,630.00	7,950.01	7,670.42	124.53	39.66	90.70	-8,783.27	2,406.89	3,508.75	3,370.32	138.44	25.346		
16,300.00	7,630.00	7,950.25	7,670.66	126.04	39.66	90.71	-8,783.27	2,406.90	3,417.67	3,277.85	139.82	24.443		
16,400.00	7,630.00	7,950.50	7,670.90	127.56	39.66	90.72	-8,783.27	2,406.90	3,327.09	3,185.81	141.28	23.550		
16,500.00	7,630.00	7,950.74	7,671.15	129.09	39.66	90.73	-8,783.27	2,406.90	3,237.07	3,094.25	142.82	22.666		
16,600.00	7,630.00	7,950.99	7,671.40	130.62	39.67	90.74	-8,783.27	2,406.91	3,147.65	3,003.21	144.44	21.792		
16,700.00	7,630.00	7,951.24	7,671.64	132.16	39.67	90.75	-8,783.27	2,406.91	3,058.88	2,912.73	146.15	20.929		
16,800.00	7,630.00	7,951.49	7,671.90	133.71	39.67	90.76	-8,783.27	2,406.92	2,970.83	2,822.87	147.96	20.079		
16,900.00	7,630.00	7,951.74	7,672.15	135.27	39.67	90.77	-8,783.27	2,406.92	2,883.56	2,733.69	149.87	19.240		
17,000.00	7,630.00	7,951.99	7,672.40	136.83	39.67	90.78	-8,783.27	2,406.93	2,797.14	2,645.26	151.89	18.416		
17,100.00	7,630.00	7,952.25	7,672.66	138.39	39.67	90.79	-8,783.27	2,406.93	2,711.66	2,557.65	154.01	17.607		
17,200.00	7,630.00	7,952.51	7,672.92	139.97	39.67	90.80	-8,783.27	2,406.93	2,627.20	2,470.94	156.26	16.813		
17,300.00	7,630.00	7,952.77	7,673.18	141.54	39.67	90.81	-8,783.27	2,406.94	2,543.87	2,385.24	158.63	16.037		
17,400.00	7,630.00	7,953.03	7,673.44	143.12	39.67	90.82	-8,783.27	2,406.94	2,461.78	2,300.65	161.13	15.279		
17,500.00	7,630.00	7,953.30	7,673.71	144.71	39.67	90.83	-8,783.27	2,406.95	2,381.06	2,217.30	163.75	14.540		
17,600.00	7,630.00	7,953.57	7,673.97	146.30	39.67	90.84	-8,783.28	2,406.95	2,301.85	2,135.34	166.51	13.824		
17,700.00	7,630.00	7,953.83	7,674.24	147.90	39.67	90.85	-8,783.28	2,406.96	2,224.32	2,054.91	169.41	13.130		
17,800.00	7,630.00	7,954.11	7,674.51	149.50	39.67	90.86	-8,783.28	2,406.96	2,148.65	1,976.22	172.43	12.461		
17,900.00	7,630.00	7,954.38	7,674.79	151.10	39.67	90.87	-8,783.28	2,406.97	2,075.03	1,899.46	175.57	11.819		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SEC 26-T1N-R68W - EXIST HZ CRANDELL 2-8-26 - OWB - FINAL SURVEY												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 43-MWD OWSG												<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
18,000.00	7,630.00	7,954.65	7,675.06	152.71	39.67	90.88	-8,783.28	2,406.97	2,003.71	1,824.88	178.83	11.205	
18,100.00	7,630.00	7,954.93	7,675.34	154.32	39.68	90.90	-8,783.28	2,406.98	1,934.92	1,752.75	182.18	10.621	
18,200.00	7,630.00	7,955.21	7,675.62	155.94	39.68	90.91	-8,783.28	2,406.98	1,868.96	1,683.37	185.59	10.070	
18,300.00	7,630.00	7,955.49	7,675.90	157.56	39.68	90.92	-8,783.28	2,406.99	1,806.13	1,617.09	189.04	9.554	
18,400.00	7,630.00	7,955.78	7,676.18	159.18	39.68	90.93	-8,783.28	2,406.99	1,746.76	1,554.29	192.47	9.075	
18,500.00	7,630.00	7,956.06	7,676.47	160.80	39.68	90.94	-8,783.28	2,407.00	1,691.23	1,495.39	195.84	8.636	
18,600.00	7,630.00	7,956.35	7,676.76	162.43	39.68	90.95	-8,783.28	2,407.00	1,639.92	1,440.86	199.06	8.238	
18,700.00	7,630.00	7,956.64	7,677.05	164.06	39.68	90.96	-8,783.28	2,407.01	1,593.24	1,391.19	202.05	7.885	
18,800.00	7,630.00	7,956.94	7,677.35	165.70	39.68	90.98	-8,783.28	2,407.01	1,551.61	1,346.88	204.73	7.579	
18,900.00	7,630.00	7,957.23	7,677.64	167.33	39.68	90.99	-8,783.28	2,407.02	1,515.45	1,308.46	206.99	7.321	
19,000.00	7,630.00	7,957.53	7,677.94	168.97	39.68	91.00	-8,783.28	2,407.02	1,485.15	1,276.42	208.72	7.115	
19,021.79	7,630.00	7,957.60	7,678.01	169.33	39.68	91.00	-8,783.28	2,407.02	1,479.36	1,270.34	209.02	7.078 CC, ES, SF	

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ CRANDELL 4-6-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 74-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	163.43	-7,118.47	2,117.71	7,426.83					
100.00	100.00	43.64	43.64	0.13	0.08	163.43	-7,118.58	2,118.14	7,427.45	7,427.25	0.20	N/A		
200.00	200.00	74.00	73.98	0.49	0.14	163.42	-7,118.79	2,118.96	7,428.96	7,428.35	0.61	N/A		
300.00	300.00	118.85	118.80	0.85	0.29	163.41	-7,119.36	2,120.63	7,431.29	7,430.16	1.13	6,590.346		
400.00	400.00	166.00	165.89	1.21	0.45	163.40	-7,120.33	2,122.73	7,434.46	7,432.80	1.66	4,486.158		
500.00	500.00	220.27	220.07	1.57	0.65	163.38	-7,121.68	2,125.61	7,438.30	7,436.08	2.22	3,357.943		
600.00	600.00	304.27	303.86	1.93	0.97	163.34	-7,123.73	2,131.19	7,442.54	7,439.65	2.88	2,580.841		
700.00	700.00	349.00	348.43	2.29	1.14	163.32	-7,124.65	2,134.77	7,447.03	7,443.62	3.41	2,185.015		
800.00	799.98	408.86	408.03	2.64	1.37	101.39	-7,126.11	2,140.13	7,452.45	7,448.46	3.99	1,867.933		
900.00	899.84	440.00	439.02	2.99	1.49	101.25	-7,127.13	2,143.12	7,459.47	7,455.01	4.46	1,672.215		
1,000.00	999.45	475.67	474.45	3.35	1.64	101.08	-7,128.52	2,146.88	7,468.05	7,463.09	4.96	1,505.701		
1,100.00	1,098.70	533.00	531.28	3.73	1.88	100.89	-7,131.28	2,154.01	7,478.40	7,472.85	5.55	1,346.479		
1,200.00	1,197.47	540.91	539.10	4.11	1.91	100.66	-7,131.71	2,155.09	7,489.99	7,484.02	5.97	1,254.565		
1,300.00	1,295.62	625.00	622.14	4.53	2.27	100.44	-7,135.95	2,167.61	7,502.83	7,496.11	6.72	1,116.289		
1,400.00	1,393.06	677.35	673.68	4.97	2.51	100.20	-7,138.49	2,176.41	7,516.73	7,509.35	7.38	1,018.716		
1,500.00	1,489.64	730.66	726.00	5.44	2.76	99.94	-7,141.22	2,186.28	7,531.91	7,523.83	8.08	932.647		
1,600.00	1,585.27	805.00	798.57	5.95	3.12	99.67	-7,144.66	2,201.99	7,548.07	7,539.15	8.92	846.240		
1,700.00	1,679.82	839.57	832.16	6.51	3.30	99.35	-7,146.25	2,210.02	7,565.41	7,555.78	9.63	785.542		
1,800.00	1,773.17	893.00	883.90	7.13	3.59	99.04	-7,149.20	2,223.01	7,584.29	7,573.81	10.48	723.493		
1,900.00	1,865.21	893.00	883.90	7.79	3.59	98.63	-7,149.20	2,223.01	7,604.39	7,593.27	11.12	684.080		
2,000.00	1,955.84	956.39	944.95	8.51	3.94	98.29	-7,153.07	2,239.64	7,625.75	7,613.60	12.14	628.035		
2,100.00	2,044.94	998.08	984.85	9.30	4.18	97.90	-7,155.65	2,251.46	7,648.27	7,635.16	13.11	583.176		
2,200.00	2,132.39	1,031.00	1,016.18	10.15	4.38	97.47	-7,157.78	2,261.32	7,672.06	7,657.95	14.10	544.014		
2,300.00	2,218.11	1,071.10	1,054.20	11.07	4.64	97.04	-7,160.55	2,273.77	7,697.05	7,681.85	15.20	506.321		
2,400.00	2,301.97	1,141.74	1,121.01	12.06	5.09	96.66	-7,165.82	2,296.09	7,723.15	7,706.59	16.56	466.510		
2,500.00	2,383.88	1,183.00	1,160.11	13.11	5.36	96.21	-7,168.92	2,308.91	7,749.88	7,732.09	17.79	435.593		
2,512.74	2,394.17	1,183.00	1,160.11	13.25	5.36	96.13	-7,168.92	2,308.91	7,753.39	7,735.47	17.92	432.664		
2,600.00	2,464.54	1,235.03	1,209.30	14.22	5.70	96.27	-7,173.05	2,325.37	7,777.45	7,758.30	19.15	406.152		
2,700.00	2,545.18	1,270.00	1,242.17	15.35	5.94	96.36	-7,176.07	2,336.90	7,805.93	7,785.52	20.41	382.454		
2,800.00	2,625.82	1,509.08	1,466.18	16.50	7.63	96.93	-7,194.71	2,418.29	7,834.31	7,811.20	23.12	338.895		
2,900.00	2,706.45	1,570.99	1,524.08	17.65	8.08	97.07	-7,198.73	2,439.86	7,861.68	7,837.06	24.62	319.315		
3,000.00	2,787.09	1,619.00	1,568.88	18.82	8.43	97.18	-7,202.12	2,456.78	7,889.70	7,863.67	26.03	303.081		
3,100.00	2,867.73	1,723.00	1,665.68	19.99	9.20	97.41	-7,209.44	2,494.07	7,917.98	7,890.11	27.87	284.056		
3,200.00	2,948.37	1,804.08	1,741.07	21.17	9.81	97.58	-7,215.08	2,523.38	7,946.36	7,916.80	29.56	268.831		
3,300.00	3,029.01	1,896.95	1,827.38	22.36	10.52	97.78	-7,221.54	2,557.05	7,974.86	7,943.52	31.34	254.441		
3,400.00	3,109.65	1,968.00	1,893.34	23.55	11.06	97.93	-7,226.49	2,582.99	8,003.53	7,970.57	32.97	242.787		
3,500.00	3,190.29	2,022.67	1,944.05	24.74	11.49	98.04	-7,230.47	2,603.05	8,032.64	7,998.17	34.46	233.079		
3,600.00	3,270.93	2,085.44	2,002.22	25.94	11.97	98.17	-7,235.40	2,626.10	8,062.31	8,026.28	36.03	223.796		
3,700.00	3,351.57	2,177.68	2,087.80	27.14	12.68	98.37	-7,242.79	2,659.71	8,092.16	8,054.34	37.82	213.957		
3,800.00	3,432.21	2,230.00	2,136.46	28.35	13.09	98.48	-7,247.08	2,678.44	8,122.21	8,082.92	39.30	206.698		
3,900.00	3,512.85	2,288.89	2,191.25	29.56	13.54	98.61	-7,252.19	2,699.41	8,152.74	8,111.92	40.82	199.742		
4,000.00	3,593.49	4,000.00	2,277.06	30.76	26.76	98.80	-7,260.61	2,732.54	8,183.72	8,129.54	54.18	151.036		
4,100.00	3,674.13	2,492.00	2,379.84	31.97	15.11	99.03	-7,270.16	2,772.66	8,214.40	8,169.83	44.56	184.329		
4,200.00	3,754.77	2,534.19	2,419.00	33.19	15.43	99.12	-7,273.94	2,787.90	8,245.52	8,199.57	45.95	179.447		
4,300.00	3,835.41	2,579.00	2,460.68	34.40	15.78	99.21	-7,278.38	2,803.75	8,277.34	8,229.98	47.35	174.804		
4,400.00	3,916.05	2,697.86	2,571.29	35.62	16.69	99.47	-7,290.14	2,845.65	8,309.24	8,259.88	49.36	168.346		
4,500.00	3,996.69	2,763.51	2,632.27	36.83	17.20	99.60	-7,296.61	2,869.06	8,341.29	8,290.36	50.93	163.775		
4,600.00	4,077.33	2,873.88	2,734.49	38.05	18.07	99.83	-7,307.21	2,909.31	8,373.37	8,320.48	52.89	158.304		
4,700.00	4,157.96	2,977.56	2,830.41	39.27	18.89	100.03	-7,317.07	2,947.41	8,405.51	8,350.71	54.80	153.375		
4,800.00	4,238.60	3,120.73	2,963.45	40.49	20.00	100.32	-7,330.29	2,998.62	8,437.28	8,380.24	57.04	147.925		
4,900.00	4,319.24	3,181.12	3,019.27	41.71	20.48	100.43	-7,335.67	3,021.04	8,469.09	8,410.50	58.59	144.553		
5,000.00	4,399.88	3,293.29	3,123.10	42.93	21.37	100.65	-7,345.68	3,062.26	8,500.93	8,440.35	60.58	140.320		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ CRANDELL 4-6-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 74-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,480.52	3,356.18	3,181.34	44.15	21.87	100.77	-7,351.36	3,085.32	8,532.93	8,470.79	62.14	137.311		
5,200.00	4,561.16	3,404.42	3,225.89	45.37	22.26	100.86	-7,355.85	3,103.27	8,565.37	8,501.80	63.57	134.731		
5,300.00	4,641.80	3,452.00	3,269.86	46.59	22.64	100.95	-7,360.58	3,120.82	8,598.37	8,533.38	64.99	132.293		
5,400.00	4,722.44	3,499.06	3,313.39	47.82	23.01	101.04	-7,365.52	3,138.01	8,631.90	8,565.50	66.40	129.999		
5,500.00	4,803.08	3,732.30	3,528.87	49.04	24.88	101.47	-7,388.71	3,224.19	8,665.24	8,595.75	69.49	124.689		
5,600.00	4,883.72	3,779.00	3,571.89	50.27	25.27	101.55	-7,392.96	3,241.84	8,697.87	8,626.96	70.91	122.654		
5,700.00	4,964.36	3,802.00	3,593.04	51.49	25.45	101.59	-7,395.13	3,250.61	8,731.10	8,659.00	72.11	121.086		
5,800.00	5,045.00	3,842.29	3,630.09	52.71	25.78	101.66	-7,399.21	3,265.91	8,764.97	8,691.52	73.45	119.331		
5,900.00	5,125.64	4,861.38	4,598.83	53.94	32.49	103.93	-7,470.82	3,565.93	8,795.86	8,713.73	82.13	107.102		
6,000.00	5,206.28	5,160.32	4,893.27	55.17	33.78	104.80	-7,478.92	3,616.60	8,820.50	8,735.83	84.67	104.172		
6,100.00	5,286.92	5,301.85	5,033.63	56.39	34.30	105.24	-7,481.23	3,634.53	8,843.35	8,757.00	86.35	102.416		
6,200.00	5,367.56	5,362.29	5,093.76	57.62	34.50	105.44	-7,482.32	3,640.61	8,866.24	8,778.58	87.66	101.145		
6,300.00	5,448.20	5,418.17	5,149.41	58.84	34.68	105.62	-7,483.61	3,645.45	8,889.64	8,800.71	88.93	99.960		
6,400.00	5,528.84	5,650.46	5,381.39	60.07	35.26	106.45	-7,489.06	3,655.08	8,913.02	8,822.34	90.68	98.295		
6,500.00	5,609.47	5,779.46	5,510.36	61.30	35.53	106.92	-7,490.94	3,656.33	8,935.47	8,843.41	92.06	97.058		
6,600.00	5,690.11	5,875.75	5,606.65	62.53	35.72	107.28	-7,492.11	3,656.92	8,958.06	8,864.71	93.36	95.955		
6,700.00	5,770.75	6,009.40	5,740.29	63.75	35.99	107.77	-7,493.28	3,657.53	8,980.72	8,885.98	94.73	94.800		
6,800.00	5,851.39	6,118.27	5,849.16	64.98	36.21	108.17	-7,493.66	3,657.75	9,003.23	8,907.19	96.04	93.744		
6,900.00	5,932.03	6,200.39	5,931.28	66.21	36.37	108.47	-7,493.90	3,657.59	9,026.01	8,928.73	97.28	92.786		
7,000.00	6,012.67	6,352.71	6,083.59	67.44	36.66	109.03	-7,493.95	3,656.80	9,048.97	8,950.32	98.66	91.721		
7,100.00	6,093.31	6,492.31	6,223.19	68.66	36.93	109.54	-7,492.66	3,656.39	9,071.38	8,971.37	100.01	90.706		
7,200.00	6,173.95	6,591.62	6,322.49	69.89	37.13	109.90	-7,491.41	3,656.12	9,093.90	8,992.63	101.27	89.797		
7,300.00	6,254.59	6,700.99	6,431.85	71.12	37.35	110.29	-7,489.74	3,655.98	9,116.54	9,013.98	102.56	88.892		
7,400.00	6,335.23	6,817.26	6,548.09	72.35	37.60	110.70	-7,487.54	3,656.15	9,139.23	9,035.37	103.86	87.999		
7,500.00	6,415.87	6,943.99	6,674.79	73.58	37.87	111.15	-7,484.57	3,656.48	9,161.86	9,056.68	105.18	87.110		
7,600.00	6,496.51	7,018.56	6,749.33	74.81	38.03	111.41	-7,482.65	3,656.87	9,184.63	9,078.25	106.38	86.339		
7,700.00	6,577.15	7,093.49	6,824.24	76.04	38.20	111.67	-7,480.76	3,657.57	9,207.76	9,100.19	107.58	85.592		
7,800.00	6,657.79	7,174.01	6,904.73	77.27	38.39	111.95	-7,478.76	3,658.61	9,231.24	9,122.45	108.79	84.855		
7,900.00	6,738.43	7,257.40	6,988.08	78.50	38.58	112.23	-7,476.67	3,659.82	9,255.01	9,145.00	110.00	84.135		
8,000.00	6,819.07	7,324.99	7,055.64	79.73	38.74	112.46	-7,475.00	3,660.89	9,279.09	9,167.92	111.17	83.465		
8,100.00	6,899.71	7,380.20	7,110.83	80.96	38.88	112.65	-7,473.77	3,661.88	9,303.68	9,191.37	112.31	82.841		
8,200.00	6,980.35	7,435.46	7,166.07	82.18	39.02	112.83	-7,472.70	3,663.00	9,328.78	9,215.35	113.43	82.240		
8,240.58	7,013.07	7,468.00	7,198.60	82.68	39.10	112.94	-7,472.15	3,663.72	9,339.13	9,225.21	113.92	81.982		
8,250.00	7,020.68	7,468.00	7,198.60	82.80	39.10	111.75	-7,472.15	3,663.72	9,341.46	9,227.45	114.01	81.937		
8,300.00	7,061.63	7,491.72	7,222.31	83.40	39.16	105.10	-7,471.78	3,664.27	9,351.40	9,236.84	114.56	81.626		
8,350.00	7,103.23	7,520.89	7,251.46	83.97	39.24	97.86	-7,471.36	3,664.98	9,357.17	9,242.03	115.14	81.267		
8,400.00	7,145.18	7,550.29	7,280.85	84.51	39.31	90.28	-7,470.97	3,665.74	9,358.73	9,243.01	115.72	80.875		
8,450.00	7,187.16	7,579.72	7,310.27	85.01	39.39	82.66	-7,470.63	3,666.53	9,356.06	9,239.77	116.29	80.457		
8,500.00	7,228.84	7,608.97	7,339.50	85.46	39.47	75.35	-7,470.33	3,667.36	9,349.17	9,232.33	116.84	80.017		
8,550.00	7,269.91	7,643.00	7,373.52	85.86	39.56	68.61	-7,470.03	3,668.37	9,338.13	9,220.74	117.39	79.549		
8,600.00	7,310.05	7,666.47	7,396.98	86.20	39.62	62.55	-7,469.86	3,669.08	9,323.00	9,205.12	117.88	79.087		
8,650.00	7,348.97	7,694.35	7,424.84	86.50	39.69	57.29	-7,469.69	3,669.92	9,303.89	9,185.52	118.36	78.605		
8,700.00	7,386.36	7,721.14	7,451.63	86.74	39.77	52.79	-7,469.55	3,670.73	9,280.92	9,162.11	118.81	78.116		
8,750.00	7,421.94	7,746.66	7,477.14	86.93	39.84	48.99	-7,469.45	3,671.49	9,254.28	9,135.05	119.22	77.622		
8,800.00	7,455.44	7,770.72	7,501.18	87.07	39.90	45.81	-7,469.39	3,672.21	9,224.13	9,104.53	119.60	77.127		
8,850.00	7,486.61	7,793.13	7,523.59	87.16	39.96	43.19	-7,469.35	3,672.88	9,190.70	9,070.77	119.93	76.631		
8,900.00	7,515.20	7,817.00	7,547.44	87.20	40.03	41.06	-7,469.33	3,673.59	9,154.22	9,033.98	120.24	76.131		
8,950.00	7,541.00	7,845.67	7,576.10	87.21	40.10	39.41	-7,469.32	3,674.42	9,114.94	8,994.41	120.53	75.622		
9,000.00	7,563.81	7,876.28	7,606.69	87.17	40.19	38.19	-7,469.28	3,675.27	9,073.12	8,952.32	120.80	75.109		
9,050.00	7,583.47	7,902.50	7,632.91	87.10	40.26	37.39	-7,469.23	3,675.97	9,029.08	8,908.06	121.02	74.608		
9,100.00	7,599.81	7,924.18	7,654.58	87.00	40.32	37.03	-7,469.17	3,676.52	8,983.15	8,861.95	121.20	74.119		
9,150.00	7,612.72	7,941.18	7,671.58	86.88	40.36	37.26	-7,469.11	3,676.94	8,935.68	8,814.35	121.34	73.644		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ CRANDELL 4-6-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 74-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,622.09	7,953.41	7,683.80	86.72	40.40	38.56	-7,469.06	3,677.24	8,887.03	8,765.60	121.43	73.185		
9,250.00	7,627.87	7,960.81	7,691.20	86.55	40.42	43.04	-7,469.04	3,677.41	8,837.57	8,716.08	121.49	72.741		
9,303.98	7,630.00	7,963.35	7,693.73	86.35	40.42	104.05	-7,469.03	3,677.47	8,783.70	8,662.18	121.52	72.282		
9,400.00	7,630.00	7,962.82	7,693.21	85.99	40.42	103.88	-7,469.03	3,677.46	8,687.70	8,566.16	121.53	71.485		
9,500.00	7,630.00	7,962.28	7,692.67	85.62	40.42	103.70	-7,469.03	3,677.45	8,587.71	8,466.17	121.54	70.655		
9,600.00	7,630.00	7,961.74	7,692.13	85.28	40.42	103.52	-7,469.03	3,677.44	8,487.73	8,366.18	121.56	69.825		
9,700.00	7,630.00	7,961.21	7,691.59	84.95	40.42	103.34	-7,469.03	3,677.42	8,387.75	8,266.18	121.57	68.995		
9,800.00	7,630.00	7,960.67	7,691.06	84.64	40.42	103.16	-7,469.04	3,677.41	8,287.77	8,166.19	121.59	68.164		
9,900.00	7,630.00	7,960.15	7,690.54	84.34	40.41	102.98	-7,469.04	3,677.40	8,187.79	8,066.19	121.60	67.333		
10,000.00	7,630.00	7,959.62	7,690.01	84.06	40.41	102.81	-7,469.04	3,677.39	8,087.82	7,966.20	121.62	66.502		
10,100.00	7,630.00	7,959.10	7,689.49	83.80	40.41	102.63	-7,469.04	3,677.37	7,987.84	7,866.20	121.64	65.670		
10,200.00	7,630.00	7,958.59	7,688.98	83.56	40.41	102.46	-7,469.04	3,677.36	7,887.86	7,766.21	121.65	64.839		
10,300.00	7,630.00	7,958.07	7,688.46	83.33	40.41	102.29	-7,469.05	3,677.35	7,787.88	7,666.21	121.67	64.007		
10,400.00	7,630.00	7,957.56	7,687.95	83.12	40.41	102.11	-7,469.05	3,677.34	7,687.90	7,566.21	121.69	63.175		
10,500.00	7,630.00	7,957.06	7,687.45	82.92	40.41	101.94	-7,469.05	3,677.33	7,587.93	7,466.22	121.71	62.343		
10,600.00	7,630.00	7,956.56	7,686.95	82.75	40.40	101.77	-7,469.05	3,677.31	7,487.95	7,366.22	121.73	61.510		
10,700.00	7,630.00	7,956.06	7,686.45	82.59	40.40	101.60	-7,469.05	3,677.30	7,387.98	7,266.22	121.76	60.678		
10,800.00	7,630.00	7,955.56	7,685.95	82.45	40.40	101.43	-7,469.06	3,677.29	7,288.00	7,166.22	121.78	59.845		
10,900.00	7,630.00	7,955.07	7,685.46	82.33	40.40	101.27	-7,469.06	3,677.28	7,188.03	7,066.22	121.81	59.012		
11,000.00	7,630.00	7,954.58	7,684.97	82.22	40.40	101.10	-7,469.06	3,677.27	7,088.06	6,966.23	121.83	58.179		
11,100.00	7,630.00	7,954.09	7,684.48	82.14	40.40	100.94	-7,469.06	3,677.25	6,988.08	6,866.23	121.86	57.346		
11,200.00	7,630.00	7,953.61	7,684.00	82.08	40.40	100.77	-7,469.06	3,677.24	6,888.11	6,766.23	121.89	56.513		
11,300.00	7,630.00	7,953.13	7,683.52	82.04	40.39	100.61	-7,469.07	3,677.23	6,788.14	6,666.23	121.92	55.679		
11,400.00	7,630.00	7,952.66	7,683.05	82.02	40.39	100.45	-7,469.07	3,677.22	6,688.17	6,566.23	121.95	54.846		
11,500.00	7,630.00	7,952.18	7,682.57	82.03	40.39	100.28	-7,469.07	3,677.21	6,588.20	6,466.23	121.98	54.012		
11,600.00	7,630.00	7,951.71	7,682.11	82.06	40.39	100.12	-7,469.07	3,677.20	6,488.24	6,366.23	122.01	53.178		
11,700.00	7,630.00	7,951.25	7,681.64	82.12	40.39	99.96	-7,469.07	3,677.19	6,388.27	6,266.23	122.04	52.344		
11,800.00	7,630.00	7,950.78	7,681.17	82.21	40.39	99.81	-7,469.07	3,677.18	6,288.30	6,166.23	122.08	51.510		
11,900.00	7,630.00	7,950.32	7,680.71	82.33	40.39	99.65	-7,469.08	3,677.16	6,188.34	6,066.22	122.11	50.676		
12,000.00	7,630.00	7,949.87	7,680.26	82.48	40.39	99.49	-7,469.08	3,677.15	6,088.37	5,966.22	122.15	49.842		
12,100.00	7,630.00	7,949.41	7,679.80	82.66	40.38	99.33	-7,469.08	3,677.14	5,988.41	5,866.22	122.19	49.008		
12,200.00	7,630.00	7,948.96	7,679.35	82.88	40.38	99.18	-7,469.08	3,677.13	5,888.45	5,766.22	122.23	48.174		
12,300.00	7,630.00	7,948.51	7,678.90	83.14	40.38	99.02	-7,469.08	3,677.12	5,788.49	5,666.21	122.28	47.340		
12,400.00	7,630.00	7,948.06	7,678.46	83.44	40.38	98.87	-7,469.09	3,677.11	5,688.53	5,566.21	122.32	46.505		
12,500.00	7,630.00	7,947.62	7,678.01	83.79	40.38	98.72	-7,469.09	3,677.10	5,588.58	5,466.21	122.37	45.671		
12,600.00	7,630.00	7,947.18	7,677.57	84.18	40.38	98.57	-7,469.09	3,677.09	5,488.62	5,366.20	122.41	44.836		
12,700.00	7,630.00	7,946.74	7,677.14	84.61	40.38	98.42	-7,469.09	3,677.08	5,388.67	5,266.20	122.46	44.002		
12,800.00	7,630.00	7,946.31	7,676.70	85.10	40.38	98.27	-7,469.09	3,677.07	5,288.71	5,166.20	122.52	43.167		
12,900.00	7,630.00	7,945.88	7,676.27	85.64	40.38	98.12	-7,469.09	3,677.06	5,188.76	5,066.19	122.57	42.333		
13,000.00	7,630.00	7,945.45	7,675.84	86.22	40.37	97.97	-7,469.09	3,677.05	5,088.81	4,966.19	122.63	41.498		
13,100.00	7,630.00	7,945.02	7,675.41	86.86	40.37	97.82	-7,469.10	3,677.04	4,988.87	4,866.18	122.69	40.664		
13,200.00	7,630.00	7,944.60	7,674.99	87.56	40.37	97.67	-7,469.10	3,677.03	4,888.92	4,766.18	122.75	39.830		
13,300.00	7,630.00	7,944.17	7,674.57	88.30	40.37	97.53	-7,469.10	3,677.02	4,788.98	4,666.17	122.81	38.995		
13,400.00	7,630.00	7,943.76	7,674.15	89.10	40.37	97.38	-7,469.10	3,677.01	4,689.04	4,566.17	122.88	38.161		
13,500.00	7,630.00	7,943.34	7,673.73	89.94	40.37	97.24	-7,469.10	3,677.00	4,589.10	4,466.16	122.95	37.326		
13,600.00	7,630.00	7,942.93	7,673.32	90.84	40.37	97.10	-7,469.10	3,676.99	4,489.17	4,366.15	123.02	36.492		
13,700.00	7,630.00	7,942.52	7,672.91	91.78	40.37	96.95	-7,469.11	3,676.98	4,389.24	4,266.15	123.09	35.658		
13,800.00	7,630.00	7,942.11	7,672.50	92.77	40.36	96.81	-7,469.11	3,676.97	4,289.31	4,166.14	123.17	34.824		
13,900.00	7,630.00	7,941.70	7,672.10	93.79	40.36	96.67	-7,469.11	3,676.96	4,189.39	4,066.13	123.26	33.990		
14,000.00	7,630.00	7,941.30	7,671.69	94.86	40.36	96.53	-7,469.11	3,676.95	4,089.46	3,966.12	123.34	33.156		
14,100.00	7,630.00	7,940.90	7,671.29	95.97	40.36	96.39	-7,469.11	3,676.94	3,989.55	3,866.11	123.43	32.322		
14,200.00	7,630.00	7,940.50	7,670.89	97.11	40.36	96.25	-7,469.11	3,676.93	3,889.63	3,766.11	123.53	31.488		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ CRANDELL 4-6-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 74-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,630.00	7,940.10	7,670.50	98.28	40.36	96.12	-7,469.11	3,676.92	3,789.73	3,666.10	123.63	30.654		
14,400.00	7,630.00	7,939.71	7,670.10	99.48	40.36	95.98	-7,469.12	3,676.91	3,689.82	3,566.09	123.73	29.821		
14,500.00	7,630.00	7,939.32	7,669.71	100.72	40.36	95.84	-7,469.12	3,676.90	3,589.92	3,466.08	123.85	28.987		
14,600.00	7,630.00	7,938.93	7,669.32	101.97	40.36	95.71	-7,469.12	3,676.89	3,490.03	3,366.07	123.96	28.154		
14,700.00	7,630.00	7,938.54	7,668.94	103.26	40.36	95.57	-7,469.12	3,676.88	3,390.15	3,266.06	124.09	27.321		
14,800.00	7,630.00	7,938.16	7,668.55	104.56	40.35	95.44	-7,469.12	3,676.87	3,290.27	3,166.05	124.22	26.488		
14,900.00	7,630.00	7,937.77	7,668.17	105.89	40.35	95.31	-7,469.12	3,676.86	3,190.39	3,066.04	124.36	25.655		
15,000.00	7,630.00	7,937.39	7,667.79	107.24	40.35	95.17	-7,469.12	3,676.85	3,090.53	2,966.03	124.51	24.822		
15,100.00	7,630.00	7,937.02	7,667.41	108.60	40.35	95.04	-7,469.12	3,676.84	2,990.68	2,866.01	124.66	23.990		
15,200.00	7,630.00	7,936.64	7,667.04	109.98	40.35	94.91	-7,469.13	3,676.83	2,890.83	2,766.00	124.83	23.158		
15,300.00	7,630.00	7,936.27	7,666.66	111.38	40.35	94.78	-7,469.13	3,676.82	2,791.00	2,665.99	125.01	22.326		
15,400.00	7,630.00	7,935.90	7,666.29	112.79	40.35	94.65	-7,469.13	3,676.82	2,691.18	2,565.98	125.20	21.495		
15,500.00	7,630.00	7,935.53	7,665.92	114.22	40.35	94.52	-7,469.13	3,676.81	2,591.37	2,465.96	125.41	20.663		
15,600.00	7,630.00	7,935.16	7,665.56	115.66	40.35	94.39	-7,469.13	3,676.80	2,491.58	2,365.95	125.63	19.832		
15,700.00	7,630.00	7,934.80	7,665.19	117.11	40.35	94.27	-7,469.13	3,676.79	2,391.80	2,265.93	125.87	19.002		
15,800.00	7,630.00	7,934.43	7,664.83	118.57	40.34	94.14	-7,469.13	3,676.78	2,292.05	2,165.92	126.13	18.171		
15,900.00	7,630.00	7,934.07	7,664.47	120.05	40.34	94.01	-7,469.13	3,676.77	2,192.32	2,065.90	126.42	17.342		
16,000.00	7,630.00	7,933.72	7,664.11	121.53	40.34	93.89	-7,469.14	3,676.76	2,092.61	1,965.88	126.73	16.512		
16,100.00	7,630.00	7,933.36	7,663.76	123.03	40.34	93.77	-7,469.14	3,676.75	1,992.93	1,865.86	127.07	15.683		
16,200.00	7,630.00	7,933.01	7,663.40	124.53	40.34	93.64	-7,469.14	3,676.74	1,893.29	1,765.84	127.45	14.855		
16,300.00	7,630.00	7,932.65	7,663.05	126.04	40.34	93.52	-7,469.14	3,676.74	1,793.68	1,665.82	127.87	14.028		
16,400.00	7,630.00	7,932.30	7,662.70	127.56	40.34	93.40	-7,469.14	3,676.73	1,694.13	1,565.79	128.34	13.201		
16,500.00	7,630.00	7,931.95	7,662.35	129.09	40.34	93.27	-7,469.14	3,676.72	1,594.62	1,465.76	128.86	12.375		
16,600.00	7,630.00	7,931.61	7,662.01	130.62	40.34	93.15	-7,469.14	3,676.71	1,495.19	1,365.73	129.46	11.550		
16,700.00	7,630.00	7,931.26	7,661.66	132.16	40.34	93.03	-7,469.14	3,676.70	1,395.83	1,265.69	130.14	10.726		
16,800.00	7,630.00	7,930.92	7,661.32	133.71	40.33	92.91	-7,469.14	3,676.69	1,296.58	1,165.65	130.92	9.903		
16,900.00	7,630.00	7,930.58	7,660.98	135.27	40.33	92.79	-7,469.15	3,676.68	1,197.44	1,065.60	131.84	9.083		
17,000.00	7,630.00	7,930.24	7,660.64	136.83	40.33	92.68	-7,469.15	3,676.68	1,098.47	965.55	132.92	8.264		
17,100.00	7,630.00	7,929.91	7,660.30	138.39	40.33	92.56	-7,469.15	3,676.67	999.69	865.48	134.22	7.448		
17,200.00	7,630.00	7,929.57	7,659.97	139.97	40.33	92.44	-7,469.15	3,676.66	901.19	765.39	135.80	6.636		
17,300.00	7,630.00	7,929.24	7,659.64	141.54	40.33	92.32	-7,469.15	3,676.65	803.06	665.29	137.77	5.829		
17,400.00	7,630.00	7,928.91	7,659.31	143.12	40.33	92.21	-7,469.15	3,676.64	705.46	565.18	140.27	5.029		
17,500.00	7,630.00	7,928.58	7,658.98	144.71	40.33	92.09	-7,469.15	3,676.63	608.63	465.07	143.56	4.240		
17,600.00	7,630.00	7,928.25	7,658.65	146.30	40.33	91.98	-7,469.15	3,676.63	513.02	365.01	148.01	3.466		
17,700.00	7,630.00	7,927.93	7,658.32	147.90	40.33	91.86	-7,469.15	3,676.62	419.46	265.21	154.25	2.719		
17,800.00	7,630.00	7,927.60	7,658.00	149.50	40.33	91.75	-7,469.16	3,676.61	329.70	166.47	163.23	2.020		
17,900.00	7,630.00	7,927.28	7,657.68	151.10	40.32	91.64	-7,469.16	3,676.60	247.91	72.26	175.65	1.411 Level 3		
18,000.00	7,630.00	7,926.96	7,657.36	152.71	40.32	91.53	-7,469.16	3,676.59	184.98	-1.58	186.56	0.992 Level 1		
18,086.21	7,630.00	7,926.68	7,657.08	154.10	40.32	91.43	-7,469.16	3,676.59	163.66	-13.03	176.69	0.926 Level 1, CC, ES, SF		
18,100.00	7,630.00	7,926.64	7,657.04	154.32	40.32	91.41	-7,469.16	3,676.59	164.24	-8.29	172.53	0.952 Level 1		
18,200.00	7,630.00	7,926.32	7,656.72	155.94	40.32	91.30	-7,469.16	3,676.58	199.33	62.64	136.69	1.458 Level 3		
18,300.00	7,630.00	7,926.01	7,656.41	157.56	40.32	91.19	-7,469.16	3,676.57	269.24	154.66	114.58	2.350		
18,400.00	7,630.00	7,925.69	7,656.09	159.18	40.32	91.08	-7,469.16	3,676.56	353.90	247.18	106.72	3.316		
18,500.00	7,630.00	7,925.38	7,655.78	160.80	40.32	90.97	-7,469.16	3,676.55	444.98	339.92	105.06	4.235		
18,600.00	7,630.00	7,925.07	7,655.47	162.43	40.32	90.87	-7,469.16	3,676.55	539.22	433.71	105.51	5.111		
18,700.00	7,630.00	7,924.76	7,655.16	164.06	40.32	90.76	-7,469.16	3,676.54	635.23	528.66	106.58	5.960		
18,800.00	7,630.00	7,924.46	7,654.86	165.70	40.32	90.65	-7,469.16	3,676.53	732.31	624.57	107.74	6.797		
18,900.00	7,630.00	7,924.15	7,654.55	167.33	40.32	90.54	-7,469.17	3,676.52	830.08	721.24	108.84	7.627		
19,000.00	7,630.00	7,923.85	7,654.25	168.97	40.32	90.44	-7,469.17	3,676.52	928.32	818.49	109.83	8.452		
19,021.79	7,630.00	7,923.78	7,654.18	169.33	40.32	90.41	-7,469.17	3,676.51	949.78	839.75	110.03	8.632		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ SEARS 0-4-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 92-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	162.26	-5,369.55	1,718.19	5,637.76					
100.00	100.00	50.98	50.98	0.13	0.08	162.26	-5,369.79	1,718.06	5,638.10	5,637.88	0.22	N/A		
200.00	200.00	159.22	159.20	0.49	0.39	162.27	-5,371.25	1,717.06	5,639.12	5,638.25	0.88	6,415.589		
300.00	300.00	253.51	253.49	0.85	0.72	162.29	-5,372.16	1,715.83	5,639.66	5,638.08	1.58	3,580.101		
400.00	400.00	347.69	347.65	1.21	1.06	162.30	-5,373.32	1,714.61	5,640.44	5,638.16	2.27	2,482.077		
500.00	500.00	410.48	410.41	1.57	1.29	162.32	-5,374.37	1,713.50	5,641.52	5,638.66	2.86	1,973.956		
600.00	600.00	456.00	455.90	1.93	1.46	162.33	-5,375.64	1,712.19	5,643.39	5,640.01	3.38	1,668.982		
700.00	700.00	511.72	511.54	2.29	1.66	162.36	-5,377.88	1,710.03	5,646.13	5,642.18	3.94	1,431.475		
800.00	799.98	549.00	548.72	2.64	1.80	100.52	-5,379.84	1,708.26	5,650.15	5,645.71	4.44	1,273.988		
900.00	899.84	601.19	600.72	2.99	2.00	100.48	-5,383.22	1,705.45	5,655.75	5,650.77	4.98	1,135.001		
1,000.00	999.45	640.00	639.35	3.35	2.15	100.40	-5,386.22	1,703.17	5,663.03	5,657.54	5.49	1,032.074		
1,100.00	1,098.70	686.46	685.53	3.73	2.33	100.32	-5,390.36	1,700.18	5,671.94	5,665.90	6.03	940.030		
1,200.00	1,197.47	732.00	730.72	4.11	2.51	100.22	-5,394.99	1,696.99	5,682.50	5,675.91	6.59	862.014		
1,300.00	1,295.62	768.33	766.71	4.53	2.66	100.09	-5,399.12	1,694.23	5,694.72	5,687.58	7.14	797.705		
1,400.00	1,393.06	825.00	822.72	4.97	2.89	100.01	-5,406.34	1,689.51	5,708.69	5,700.90	7.79	732.554		
1,500.00	1,489.64	847.34	844.75	5.44	2.99	99.79	-5,409.44	1,687.50	5,724.20	5,715.86	8.34	686.138		
1,600.00	1,585.27	888.02	884.79	5.95	3.17	99.61	-5,415.44	1,683.57	5,741.42	5,732.42	9.00	637.617		
1,700.00	1,679.82	919.00	915.21	6.51	3.30	99.38	-5,420.32	1,680.33	5,760.29	5,750.63	9.67	595.984		
1,800.00	1,773.17	976.93	971.95	7.13	3.57	99.25	-5,430.00	1,673.74	5,780.69	5,770.19	10.49	550.830		
1,900.00	1,865.21	1,012.00	1,006.19	7.79	3.74	99.00	-5,436.18	1,669.42	5,802.64	5,791.37	11.27	514.901		
2,000.00	1,955.84	1,053.99	1,047.08	8.51	3.94	98.76	-5,443.97	1,663.84	5,826.21	5,814.07	12.14	480.102		
2,100.00	2,044.94	1,106.00	1,097.48	9.30	4.20	98.57	-5,454.35	1,656.29	5,851.56	5,838.46	13.10	446.746		
2,200.00	2,132.39	1,143.64	1,133.84	10.15	4.40	98.27	-5,462.13	1,650.49	5,878.37	5,864.32	14.05	418.269		
2,300.00	2,218.11	1,200.00	1,188.27	11.07	4.69	98.08	-5,473.69	1,641.53	5,906.37	5,891.21	15.16	389.630		
2,400.00	2,301.97	1,232.00	1,219.14	12.06	4.86	97.69	-5,480.41	1,636.42	5,935.95	5,919.75	16.20	366.447		
2,500.00	2,383.88	1,268.17	1,254.01	13.11	5.06	97.31	-5,488.26	1,630.92	5,967.21	5,949.90	17.31	344.667		
2,512.74	2,394.17	1,273.27	1,258.94	13.25	5.09	97.26	-5,489.37	1,630.17	5,971.30	5,953.84	17.46	341.977		
2,600.00	2,464.54	1,329.64	1,313.39	14.22	5.39	97.68	-5,501.68	1,622.38	5,999.80	5,981.21	18.59	322.737		
2,700.00	2,545.18	1,455.42	1,435.31	15.35	6.06	98.59	-5,528.02	1,606.23	6,032.61	6,012.42	20.20	298.680		
2,800.00	2,625.82	1,515.57	1,493.62	16.50	6.38	99.02	-5,540.41	1,598.15	6,065.97	6,044.49	21.48	282.380		
2,900.00	2,706.45	1,557.46	1,534.15	17.65	6.61	99.33	-5,549.20	1,592.25	6,100.31	6,077.63	22.67	269.034		
3,000.00	2,787.09	1,584.00	1,559.79	18.82	6.75	99.52	-5,554.87	1,588.39	6,135.66	6,111.88	23.79	257.961		
3,100.00	2,867.73	1,632.39	1,606.47	19.99	7.02	99.87	-5,565.42	1,581.27	6,172.01	6,147.00	25.01	246.806		
3,200.00	2,948.37	1,678.00	1,650.41	21.17	7.28	100.20	-5,575.64	1,574.55	6,209.43	6,183.22	26.21	236.919		
3,300.00	3,029.01	1,743.16	1,713.18	22.36	7.65	100.67	-5,590.32	1,565.06	6,247.69	6,220.18	27.51	227.121		
3,400.00	3,109.65	3,400.00	1,983.29	23.55	16.56	102.63	-5,647.55	1,526.31	6,285.12	6,248.92	36.20	173.643		
3,500.00	3,190.29	2,153.76	2,111.58	24.74	9.87	103.53	-5,671.67	1,508.30	6,321.91	6,290.37	31.54	200.433		
3,600.00	3,270.93	2,182.50	2,139.54	25.94	10.03	103.73	-5,676.93	1,504.27	6,359.44	6,326.81	32.63	194.898		
3,700.00	3,351.57	2,214.97	2,171.10	27.14	10.20	103.95	-5,683.03	1,499.63	6,397.96	6,364.24	33.73	189.705		
3,800.00	3,432.21	2,240.00	2,195.38	28.35	10.34	104.12	-5,687.85	1,495.99	6,437.49	6,402.72	34.77	185.136		
3,900.00	3,512.85	2,290.82	2,244.69	29.56	10.61	104.47	-5,697.85	1,488.82	6,477.92	6,441.97	35.94	180.234		
4,000.00	3,593.49	2,334.00	2,286.61	30.76	10.85	104.76	-5,706.51	1,483.16	6,519.21	6,482.15	37.06	175.903		
4,100.00	3,674.13	2,459.98	2,408.98	31.97	11.53	105.59	-5,731.47	1,466.56	6,560.98	6,522.38	38.61	169.941		
4,200.00	3,754.77	2,549.06	2,495.67	33.19	12.00	106.18	-5,748.35	1,454.96	6,602.68	6,562.73	39.95	165.279		
4,300.00	3,835.41	2,587.21	2,532.77	34.40	12.21	106.43	-5,755.66	1,449.94	6,645.17	6,604.15	41.01	162.034		
4,400.00	3,916.05	2,632.34	2,576.62	35.62	12.45	106.72	-5,764.50	1,443.88	6,688.49	6,646.39	42.10	158.874		
4,500.00	3,996.69	2,697.67	2,640.04	36.83	12.81	107.14	-5,777.36	1,434.97	6,732.45	6,689.17	43.29	155.534		
4,600.00	4,077.33	3,061.98	2,995.93	38.05	14.68	109.43	-5,839.99	1,388.99	6,774.14	6,728.13	46.01	147.237		
4,700.00	4,157.96	3,084.00	3,017.53	39.27	14.79	109.56	-5,843.38	1,386.42	6,816.37	6,769.42	46.95	145.176		
4,800.00	4,238.60	3,124.56	3,057.29	40.49	14.99	109.81	-5,849.84	1,381.71	6,859.42	6,811.44	47.98	142.969		
4,900.00	4,319.24	3,147.28	3,079.53	41.71	15.11	109.94	-5,853.67	1,379.07	6,903.49	6,854.59	48.90	141.172		
5,000.00	4,399.88	3,178.00	3,109.56	42.93	15.26	110.13	-5,859.08	1,375.50	6,948.51	6,898.66	49.85	139.380		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ SEARS 0-4-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 92-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,480.52	3,202.67	3,133.65	44.15	15.39	110.28	-5,863.56	1,372.61	6,994.39	6,943.63	50.76	137.789		
5,200.00	4,561.16	3,241.27	3,171.31	45.37	15.59	110.51	-5,870.70	1,368.05	7,041.05	6,989.32	51.73	136.106		
5,300.00	4,641.80	3,281.71	3,210.72	46.59	15.80	110.75	-5,878.34	1,363.18	7,088.45	7,035.75	52.70	134.500		
5,400.00	4,722.44	3,330.11	3,257.82	47.82	16.06	111.04	-5,887.57	1,356.99	7,136.51	7,082.80	53.71	132.879		
5,500.00	4,803.08	3,365.00	3,291.73	49.04	16.25	111.25	-5,894.27	1,352.21	7,185.21	7,130.58	54.62	131.537		
5,600.00	4,883.72	3,411.58	3,336.95	50.27	16.50	111.53	-5,903.36	1,345.68	7,234.58	7,178.98	55.60	130.121		
5,700.00	4,964.36	3,459.00	3,382.94	51.49	16.76	111.81	-5,912.86	1,339.11	7,284.69	7,228.12	56.57	128.778		
5,800.00	5,045.00	3,459.00	3,382.94	52.71	16.76	111.81	-5,912.86	1,339.11	7,335.54	7,278.29	57.26	128.117		
5,900.00	5,125.64	3,493.32	3,416.18	53.94	16.96	112.02	-5,920.01	1,334.44	7,387.14	7,329.02	58.13	127.083		
6,000.00	5,206.28	3,513.30	3,435.50	55.17	17.07	112.13	-5,924.34	1,331.77	7,439.60	7,380.69	58.91	126.296		
6,100.00	5,286.92	3,553.00	3,473.82	56.39	17.29	112.36	-5,933.32	1,326.60	7,492.94	7,433.15	59.79	125.324		
6,200.00	5,367.56	5,535.00	5,427.35	57.62	25.19	122.00	-6,136.99	1,198.98	7,528.48	7,459.07	69.41	108.466		
6,300.00	5,448.20	5,627.97	5,520.31	58.84	25.41	122.37	-6,136.17	1,199.47	7,563.83	7,493.33	70.50	107.286		
6,400.00	5,528.84	5,727.39	5,619.73	60.07	25.65	122.77	-6,135.05	1,199.74	7,599.31	7,527.70	71.61	106.120		
6,500.00	5,609.47	5,833.99	5,726.32	61.30	25.91	123.20	-6,133.52	1,200.12	7,634.81	7,562.07	72.74	104.962		
6,600.00	5,690.11	5,928.40	5,820.72	62.53	26.14	123.57	-6,131.92	1,200.36	7,670.39	7,596.57	73.82	103.901		
6,700.00	5,770.75	6,015.69	5,907.99	63.75	26.36	123.91	-6,130.29	1,200.43	7,706.14	7,631.26	74.88	102.908		
6,800.00	5,851.39	6,092.83	5,985.11	64.98	26.55	124.22	-6,128.82	1,200.29	7,742.18	7,666.27	75.91	101.996		
6,900.00	5,932.03	6,183.59	6,075.85	66.21	26.78	124.57	-6,127.01	1,199.97	7,778.46	7,701.49	76.97	101.060		
7,000.00	6,012.67	6,281.56	6,173.81	67.44	27.03	124.95	-6,124.89	1,199.62	7,814.87	7,736.82	78.05	100.128		
7,100.00	6,093.31	6,357.66	6,249.88	68.66	27.23	125.25	-6,123.19	1,199.33	7,851.50	7,772.44	79.05	99.318		
7,200.00	6,173.95	6,466.51	6,358.70	69.89	27.51	125.67	-6,120.58	1,198.82	7,888.27	7,808.11	80.16	98.406		
7,300.00	6,254.59	6,571.19	6,463.34	71.12	27.78	126.06	-6,117.74	1,198.51	7,925.04	7,843.79	81.25	97.541		
7,400.00	6,335.23	6,644.25	6,536.37	72.35	27.97	126.34	-6,115.80	1,198.65	7,962.01	7,879.78	82.23	96.828		
7,500.00	6,415.87	6,707.72	6,599.82	73.58	28.14	126.57	-6,114.24	1,198.93	7,999.33	7,916.16	83.17	96.179		
7,600.00	6,496.51	6,779.68	6,671.76	74.81	28.32	126.83	-6,112.62	1,199.27	8,037.06	7,952.93	84.14	95.523		
7,700.00	6,577.15	6,854.69	6,746.75	76.04	28.52	127.11	-6,110.97	1,199.64	8,075.07	7,989.96	85.11	94.879		
7,800.00	6,657.79	6,916.46	6,808.51	77.27	28.68	127.33	-6,109.70	1,199.85	8,113.47	8,027.44	86.03	94.310		
7,900.00	6,738.43	7,023.76	6,915.79	78.50	28.97	127.72	-6,107.55	1,200.35	8,152.11	8,065.01	87.10	93.592		
8,000.00	6,819.07	7,104.69	6,996.70	79.73	29.19	128.00	-6,105.83	1,201.01	8,190.81	8,102.73	88.08	92.992		
8,100.00	6,899.71	7,198.24	7,090.22	80.96	29.44	128.33	-6,103.81	1,201.83	8,229.69	8,140.59	89.10	92.367		
8,200.00	6,980.35	7,270.29	7,162.25	82.18	29.63	128.58	-6,102.24	1,202.55	8,268.75	8,178.71	90.04	91.838		
8,240.58	7,013.07	7,298.05	7,190.01	82.68	29.70	128.68	-6,101.68	1,202.85	8,284.70	8,194.29	90.41	91.635		
8,250.00	7,020.68	7,304.51	7,196.47	82.80	29.72	127.40	-6,101.55	1,202.93	8,288.34	8,197.84	90.50	91.587		
8,300.00	7,061.63	7,362.32	7,254.26	83.40	29.88	120.40	-6,100.36	1,203.61	8,305.33	8,214.28	91.05	91.214		
8,350.00	7,103.23	7,432.47	7,324.39	83.97	30.07	112.97	-6,098.78	1,204.56	8,318.26	8,226.59	91.67	90.743		
8,400.00	7,145.18	7,511.08	7,402.95	84.51	30.28	105.34	-6,096.74	1,205.95	8,326.95	8,234.63	92.33	90.192		
8,450.00	7,187.16	7,565.58	7,457.42	85.01	30.42	97.72	-6,095.26	1,207.19	8,331.43	8,238.53	92.90	89.679		
8,500.00	7,228.84	7,617.26	7,509.07	85.46	30.56	90.49	-6,093.85	1,208.59	8,331.72	8,238.25	93.47	89.136		
8,550.00	7,269.91	7,666.35	7,558.11	85.86	30.69	83.93	-6,092.52	1,210.12	8,327.86	8,233.83	94.03	88.569		
8,600.00	7,310.05	7,715.57	7,607.28	86.20	30.82	78.21	-6,091.18	1,211.78	8,319.87	8,225.30	94.57	87.974		
8,650.00	7,348.97	7,763.68	7,655.35	86.50	30.95	73.40	-6,089.80	1,213.36	8,307.82	8,212.72	95.10	87.359		
8,700.00	7,386.36	7,776.00	7,667.66	86.74	30.98	69.32	-6,089.43	1,213.75	8,291.87	8,196.38	95.49	86.839		
8,750.00	7,421.94	7,805.46	7,697.10	86.93	31.06	66.18	-6,088.59	1,214.61	8,272.16	8,176.24	95.91	86.247		
8,800.00	7,455.44	7,821.03	7,712.65	87.07	31.11	63.77	-6,088.18	1,215.01	8,248.89	8,152.62	96.27	85.686		
8,850.00	7,486.61	7,835.43	7,727.04	87.16	31.14	62.11	-6,087.81	1,215.33	8,222.22	8,125.62	96.60	85.117		
8,900.00	7,515.20	8,133.46	8,024.63	87.20	31.94	63.06	-6,076.18	1,225.61	8,191.43	8,093.54	97.88	83.688		
8,950.00	7,541.00	8,156.00	8,047.11	87.21	32.00	63.17	-6,075.06	1,226.68	8,157.63	8,059.43	98.20	83.075		
9,000.00	7,563.81	8,156.00	8,047.11	87.17	32.00	63.94	-6,075.06	1,226.68	8,121.12	8,022.71	98.42	82.519		
9,050.00	7,583.47	8,156.00	8,047.11	87.10	32.00	65.65	-6,075.06	1,226.68	8,082.21	7,983.60	98.61	81.960		
9,100.00	7,599.81	8,156.00	8,047.11	87.00	32.00	68.48	-6,075.06	1,226.68	8,041.14	7,942.36	98.79	81.400		
9,150.00	7,612.72	8,156.00	8,047.11	86.88	32.00	72.71	-6,075.06	1,226.68	7,998.21	7,899.27	98.94	80.840		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ SEARS 0-4-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 92-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,622.09	8,181.67	8,072.73	86.72	32.07	79.15	-6,073.83	1,227.82	7,953.62	7,854.46	99.16	80.208		
9,250.00	7,627.87	8,183.20	8,074.26	86.55	32.07	87.60	-6,073.76	1,227.88	7,907.86	7,808.57	99.29	79.646		
9,303.98	7,630.00	8,183.07	8,074.12	86.35	32.07	99.78	-6,073.77	1,227.87	7,857.44	7,758.04	99.40	79.049		
9,400.00	7,630.00	8,181.16	8,072.22	85.99	32.07	99.74	-6,073.86	1,227.80	7,767.14	7,667.56	99.58	77.996		
9,500.00	7,630.00	8,179.16	8,070.22	85.62	32.06	99.70	-6,073.95	1,227.71	7,673.24	7,573.46	99.78	76.901		
9,600.00	7,630.00	8,156.00	8,047.11	85.28	32.00	99.20	-6,075.06	1,226.68	7,579.56	7,479.65	99.91	75.863		
9,700.00	7,630.00	8,156.00	8,047.11	84.95	32.00	99.20	-6,075.06	1,226.68	7,485.97	7,385.84	100.13	74.762		
9,800.00	7,630.00	8,156.00	8,047.11	84.64	32.00	99.20	-6,075.06	1,226.68	7,392.54	7,292.18	100.36	73.662		
9,900.00	7,630.00	8,156.00	8,047.11	84.34	32.00	99.20	-6,075.06	1,226.68	7,299.29	7,198.69	100.59	72.562		
10,000.00	7,630.00	8,156.00	8,047.11	84.06	32.00	99.20	-6,075.06	1,226.68	7,206.21	7,105.37	100.84	71.462		
10,100.00	7,630.00	8,156.00	8,047.11	83.80	32.00	99.20	-6,075.06	1,226.68	7,113.33	7,012.23	101.09	70.364		
10,200.00	7,630.00	8,156.00	8,047.11	83.56	32.00	99.20	-6,075.06	1,226.68	7,020.64	6,919.28	101.36	69.266		
10,300.00	7,630.00	8,156.00	8,047.11	83.33	32.00	99.20	-6,075.06	1,226.68	6,928.15	6,826.52	101.63	68.169		
10,400.00	7,630.00	8,156.00	8,047.11	83.12	32.00	99.20	-6,075.06	1,226.68	6,835.88	6,733.96	101.92	67.073		
10,500.00	7,630.00	8,156.00	8,047.11	82.92	32.00	99.20	-6,075.06	1,226.68	6,743.82	6,641.61	102.21	65.978		
10,600.00	7,630.00	8,156.00	8,047.11	82.75	32.00	99.20	-6,075.06	1,226.68	6,652.00	6,549.48	102.52	64.885		
10,700.00	7,630.00	8,156.00	8,047.11	82.59	32.00	99.20	-6,075.06	1,226.68	6,560.41	6,457.57	102.84	63.793		
10,800.00	7,630.00	8,156.00	8,047.11	82.45	32.00	99.20	-6,075.06	1,226.68	6,469.08	6,365.90	103.17	62.703		
10,900.00	7,630.00	8,145.93	8,037.07	82.33	31.97	98.99	-6,075.55	1,226.21	6,377.99	6,274.51	103.48	61.638		
11,000.00	7,630.00	8,142.55	8,033.69	82.22	31.96	98.91	-6,075.72	1,226.05	6,287.17	6,183.35	103.82	60.559		
11,100.00	7,630.00	8,139.13	8,030.29	82.14	31.95	98.84	-6,075.89	1,225.88	6,196.64	6,092.46	104.18	59.481		
11,200.00	7,630.00	8,135.69	8,026.85	82.08	31.95	98.77	-6,076.07	1,225.72	6,106.39	6,001.84	104.55	58.407		
11,300.00	7,630.00	8,132.21	8,023.38	82.04	31.94	98.69	-6,076.24	1,225.55	6,016.46	5,911.52	104.94	57.334		
11,400.00	7,630.00	8,128.71	8,019.88	82.02	31.93	98.62	-6,076.42	1,225.38	5,926.84	5,821.50	105.34	56.264		
11,500.00	7,630.00	8,125.17	8,016.35	82.03	31.92	98.54	-6,076.60	1,225.21	5,837.56	5,731.80	105.76	55.198		
11,600.00	7,630.00	8,121.60	8,012.79	82.06	31.91	98.46	-6,076.78	1,225.04	5,748.62	5,642.43	106.19	54.134		
11,700.00	7,630.00	8,117.99	8,009.20	82.12	31.90	98.39	-6,076.97	1,224.86	5,660.06	5,553.41	106.65	53.073		
11,800.00	7,630.00	8,114.36	8,005.57	82.21	31.89	98.31	-6,077.16	1,224.69	5,571.87	5,464.76	107.12	52.016		
11,900.00	7,630.00	8,110.69	8,001.91	82.33	31.88	98.23	-6,077.35	1,224.51	5,484.09	5,376.48	107.61	50.964		
12,000.00	7,630.00	8,106.98	7,998.21	82.48	31.87	98.15	-6,077.54	1,224.33	5,396.73	5,288.61	108.12	49.915		
12,100.00	7,630.00	8,103.24	7,994.48	82.66	31.86	98.07	-6,077.73	1,224.14	5,309.81	5,201.16	108.65	48.871		
12,200.00	7,630.00	8,099.47	7,990.72	82.88	31.85	97.99	-6,077.93	1,223.96	5,223.36	5,114.16	109.20	47.832		
12,300.00	7,630.00	8,095.66	7,986.92	83.14	31.84	97.90	-6,078.13	1,223.77	5,137.39	5,027.62	109.78	46.798		
12,400.00	7,630.00	8,091.81	7,983.08	83.44	31.83	97.82	-6,078.34	1,223.58	5,051.94	4,941.57	110.38	45.770		
12,500.00	7,630.00	8,087.93	7,979.21	83.79	31.82	97.74	-6,078.55	1,223.39	4,967.03	4,856.03	111.00	44.748		
12,600.00	7,630.00	12,600.00	7,917.17	84.18	44.01	96.40	-6,081.61	1,220.59	4,882.63	4,757.03	125.60	38.876		
12,700.00	7,630.00	7,872.00	7,763.60	84.61	31.24	93.06	-6,086.97	1,216.00	4,798.86	4,687.62	111.24	43.140		
12,800.00	7,630.00	7,872.00	7,763.60	85.10	31.24	93.06	-6,086.97	1,216.00	4,715.57	4,603.62	111.95	42.122		
12,900.00	7,630.00	7,872.00	7,763.60	85.64	31.24	93.06	-6,086.97	1,216.00	4,632.94	4,520.25	112.69	41.113		
13,000.00	7,630.00	7,872.00	7,763.60	86.22	31.24	93.06	-6,086.97	1,216.00	4,551.01	4,437.55	113.46	40.113		
13,100.00	7,630.00	7,872.00	7,763.60	86.86	31.24	93.06	-6,086.97	1,216.00	4,469.81	4,355.56	114.25	39.122		
13,200.00	7,630.00	7,872.00	7,763.60	87.56	31.24	93.06	-6,086.97	1,216.00	4,389.39	4,274.31	115.08	38.141		
13,300.00	7,630.00	7,856.14	7,747.75	88.30	31.20	92.72	-6,087.32	1,215.74	4,309.74	4,193.89	115.85	37.200		
13,400.00	7,630.00	7,854.84	7,746.44	89.10	31.20	92.69	-6,087.35	1,215.72	4,231.00	4,114.26	116.74	36.243		
13,500.00	7,630.00	7,853.52	7,745.13	89.94	31.19	92.66	-6,087.38	1,215.69	4,153.17	4,035.50	117.66	35.297		
13,600.00	7,630.00	7,852.19	7,743.79	90.84	31.19	92.63	-6,087.41	1,215.67	4,076.30	3,957.68	118.62	34.365		
13,700.00	7,630.00	7,850.84	7,742.45	91.78	31.19	92.60	-6,087.44	1,215.64	4,000.46	3,880.85	119.61	33.445		
13,800.00	7,630.00	7,849.48	7,741.09	92.77	31.18	92.57	-6,087.47	1,215.62	3,925.70	3,805.06	120.64	32.540		
13,900.00	7,630.00	7,848.11	7,739.72	93.79	31.18	92.54	-6,087.51	1,215.59	3,852.09	3,730.38	121.71	31.651		
14,000.00	7,630.00	7,846.72	7,738.33	94.86	31.18	92.51	-6,087.54	1,215.56	3,779.68	3,656.87	122.81	30.777		
14,100.00	7,630.00	7,845.32	7,736.93	95.97	31.17	92.48	-6,087.57	1,215.54	3,708.56	3,584.61	123.95	29.921		
14,200.00	7,630.00	7,843.90	7,735.51	97.11	31.17	92.45	-6,087.61	1,215.51	3,638.80	3,513.68	125.12	29.082		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ SEARS 0-4-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 92-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,630.00	7,842.47	7,734.08	98.28	31.16	92.42	-6,087.64	1,215.48	3,570.47	3,444.14	126.33	28.263		
14,400.00	7,630.00	7,841.02	7,732.63	99.48	31.16	92.39	-6,087.68	1,215.45	3,503.66	3,376.09	127.57	27.464		
14,500.00	7,630.00	7,839.55	7,731.17	100.72	31.16	92.36	-6,087.71	1,215.42	3,438.47	3,309.62	128.85	26.686		
14,600.00	7,630.00	7,838.08	7,729.69	101.97	31.15	92.32	-6,087.75	1,215.39	3,374.97	3,244.82	130.16	25.930		
14,700.00	7,630.00	7,836.58	7,728.19	103.26	31.15	92.29	-6,087.78	1,215.36	3,313.28	3,181.79	131.49	25.198		
14,800.00	7,630.00	7,835.07	7,726.68	104.56	31.14	92.26	-6,087.82	1,215.33	3,253.49	3,120.64	132.85	24.490		
14,900.00	7,630.00	7,833.54	7,725.16	105.89	31.14	92.22	-6,087.86	1,215.29	3,195.71	3,061.48	134.23	23.808		
15,000.00	7,630.00	7,832.00	7,723.61	107.24	31.14	92.19	-6,087.90	1,215.26	3,140.05	3,004.42	135.63	23.152		
15,100.00	7,630.00	7,830.43	7,722.05	108.60	31.13	92.16	-6,087.94	1,215.22	3,086.63	2,949.59	137.03	22.525		
15,200.00	7,630.00	7,828.86	7,720.47	109.98	31.13	92.12	-6,087.98	1,215.19	3,035.56	2,897.11	138.44	21.927		
15,300.00	7,630.00	7,827.26	7,718.88	111.38	31.12	92.09	-6,088.02	1,215.15	2,986.96	2,847.11	139.85	21.358		
15,400.00	7,630.00	7,825.64	7,717.26	112.79	31.12	92.05	-6,088.06	1,215.12	2,940.96	2,799.72	141.25	20.821		
15,500.00	7,630.00	7,824.01	7,715.63	114.22	31.11	92.02	-6,088.10	1,215.08	2,897.69	2,755.06	142.62	20.317		
15,600.00	7,630.00	7,822.36	7,713.98	115.66	31.11	91.98	-6,088.14	1,215.04	2,857.25	2,713.28	143.97	19.846		
15,700.00	7,630.00	7,820.69	7,712.31	117.11	31.10	91.95	-6,088.18	1,215.00	2,819.79	2,674.50	145.28	19.409		
15,800.00	7,630.00	7,819.00	7,710.62	118.57	31.10	91.91	-6,088.23	1,214.96	2,785.40	2,638.86	146.54	19.008		
15,900.00	7,630.00	7,817.29	7,708.91	120.05	31.10	91.87	-6,088.27	1,214.92	2,754.23	2,606.49	147.74	18.643		
16,000.00	7,630.00	7,815.56	7,707.19	121.53	31.09	91.83	-6,088.32	1,214.87	2,726.36	2,577.50	148.86	18.314		
16,100.00	7,630.00	7,813.81	7,705.44	123.03	31.09	91.80	-6,088.36	1,214.83	2,701.91	2,552.00	149.91	18.024		
16,200.00	7,630.00	7,812.04	7,703.67	124.53	31.08	91.76	-6,088.41	1,214.78	2,680.96	2,530.11	150.85	17.772		
16,300.00	7,630.00	7,810.25	7,701.88	126.04	31.08	91.72	-6,088.46	1,214.74	2,663.61	2,511.91	151.70	17.559		
16,400.00	7,630.00	7,808.44	7,700.07	127.56	31.07	91.68	-6,088.51	1,214.69	2,649.91	2,497.49	152.43	17.385		
16,500.00	7,630.00	7,806.60	7,698.23	129.09	31.07	91.64	-6,088.56	1,214.64	2,639.94	2,486.90	153.04	17.250		
16,600.00	7,630.00	7,804.75	7,696.38	130.62	31.06	91.60	-6,088.61	1,214.59	2,633.72	2,480.20	153.52	17.156		
16,700.00	7,630.00	7,802.87	7,694.50	132.16	31.06	91.56	-6,088.66	1,214.54	2,631.29	2,477.43	153.86	17.101		
16,714.00	7,630.00	7,802.60	7,694.24	132.38	31.06	91.55	-6,088.67	1,214.54	2,631.25	2,477.35	153.90	17.097 CC, ES		
16,800.00	7,630.00	7,800.97	7,692.60	133.71	31.05	91.52	-6,088.71	1,214.49	2,632.66	2,478.58	154.08	17.087 SF		
16,900.00	7,630.00	7,799.04	7,690.68	135.27	31.05	91.47	-6,088.77	1,214.44	2,637.82	2,483.66	154.15	17.112		
17,000.00	7,630.00	7,797.09	7,688.73	136.83	31.04	91.43	-6,088.82	1,214.38	2,646.74	2,492.65	154.09	17.176		
17,100.00	7,630.00	7,795.12	7,686.76	138.39	31.03	91.39	-6,088.88	1,214.33	2,659.40	2,505.50	153.90	17.280		
17,200.00	7,630.00	7,793.12	7,684.76	139.97	31.03	91.35	-6,088.93	1,214.27	2,675.74	2,522.16	153.58	17.422		
17,300.00	7,630.00	7,791.10	7,682.74	141.54	31.02	91.30	-6,088.99	1,214.21	2,695.68	2,542.54	153.14	17.603		
17,400.00	7,630.00	7,789.05	7,680.70	143.12	31.02	91.26	-6,089.05	1,214.15	2,719.16	2,566.58	152.58	17.821		
17,500.00	7,630.00	7,786.98	7,678.62	144.71	31.01	91.21	-6,089.11	1,214.09	2,746.08	2,594.16	151.92	18.076		
17,600.00	7,630.00	7,784.87	7,676.52	146.30	31.01	91.17	-6,089.17	1,214.03	2,776.34	2,625.18	151.16	18.367		
17,700.00	7,630.00	7,782.75	7,674.40	147.90	31.00	91.12	-6,089.23	1,213.96	2,809.83	2,659.52	150.31	18.693		
17,800.00	7,630.00	7,776.00	7,667.66	149.50	30.98	90.97	-6,089.43	1,213.75	2,846.45	2,697.08	149.36	19.057		
17,900.00	7,630.00	7,778.93	7,670.59	151.10	30.99	91.04	-6,089.34	1,213.85	2,886.05	2,737.64	148.41	19.447		
18,000.00	7,630.00	7,776.23	7,667.89	152.71	30.98	90.98	-6,089.42	1,213.76	2,928.54	2,781.18	147.36	19.873		
18,100.00	7,630.00	7,773.55	7,665.21	154.32	30.98	90.92	-6,089.50	1,213.67	2,973.78	2,827.51	146.27	20.330		
18,200.00	7,630.00	7,770.88	7,662.54	155.94	30.97	90.86	-6,089.58	1,213.59	3,021.66	2,876.51	145.15	20.818		
18,300.00	7,630.00	7,768.23	7,659.89	157.56	30.96	90.80	-6,089.66	1,213.50	3,072.04	2,928.04	144.00	21.334		
18,400.00	7,630.00	7,765.59	7,657.26	159.18	30.96	90.75	-6,089.74	1,213.42	3,124.81	2,981.98	142.83	21.878		
18,500.00	7,630.00	7,762.96	7,654.63	160.80	30.95	90.69	-6,089.82	1,213.34	3,179.84	3,038.20	141.64	22.449		
18,600.00	7,630.00	7,760.36	7,652.03	162.43	30.94	90.63	-6,089.89	1,213.25	3,237.03	3,096.57	140.46	23.046		
18,700.00	7,630.00	7,757.76	7,649.44	164.06	30.93	90.58	-6,089.97	1,213.17	3,296.25	3,156.98	139.27	23.668		
18,800.00	7,630.00	7,755.18	7,646.86	165.70	30.93	90.52	-6,090.05	1,213.08	3,357.41	3,219.32	138.09	24.313		
18,900.00	7,630.00	7,752.62	7,644.30	167.33	30.92	90.46	-6,090.12	1,213.00	3,420.40	3,283.47	136.93	24.980		
19,000.00	7,630.00	7,750.07	7,641.75	168.97	30.91	90.41	-6,090.19	1,212.92	3,485.12	3,349.34	135.77	25.669		
19,021.79	7,630.00	7,749.51	7,641.19	169.33	30.91	90.40	-6,090.21	1,212.90	3,499.44	3,363.91	135.52	25.822		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ SEARS 2-4-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 92-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	162.29	-5,380.47	1,718.19	5,648.16					
100.00	100.00	109.39	109.39	0.13	0.20	162.29	-5,380.27	1,718.12	5,647.96	5,647.63	0.34	N/A		
177.99	177.99	171.99	171.99	0.41	0.42	162.29	-5,380.14	1,718.25	5,647.86	5,647.02	0.84	6,749.786		
200.00	200.00	185.00	185.00	0.49	0.47	162.29	-5,380.13	1,718.31	5,647.87	5,646.91	0.96	5,874.747		
300.00	300.00	227.31	227.31	0.85	0.62	162.28	-5,380.25	1,718.79	5,648.52	5,647.05	1.47	3,844.374		
400.00	400.00	274.00	273.98	1.21	0.78	162.27	-5,380.77	1,719.93	5,650.24	5,648.25	1.99	2,836.691		
500.00	500.00	307.16	307.11	1.57	0.90	162.26	-5,381.37	1,721.17	5,653.00	5,650.53	2.47	2,288.979		
600.00	600.00	365.00	364.84	1.93	1.11	162.24	-5,382.84	1,724.31	5,656.91	5,653.88	3.03	1,864.620		
700.00	700.00	365.00	364.84	2.29	1.11	162.24	-5,382.84	1,724.31	5,661.85	5,658.45	3.39	1,668.975		
800.00	799.98	421.48	421.14	2.64	1.32	100.30	-5,384.94	1,728.30	5,668.08	5,664.13	3.95	1,434.432		
900.00	899.84	456.00	455.51	2.99	1.45	100.14	-5,386.62	1,731.08	5,676.16	5,671.73	4.43	1,281.742		
1,000.00	999.45	499.58	498.83	3.35	1.62	99.95	-5,389.03	1,735.19	5,685.90	5,680.95	4.95	1,148.595		
1,100.00	1,098.70	549.00	547.82	3.73	1.81	99.74	-5,392.01	1,740.94	5,697.27	5,691.77	5.50	1,035.326		
1,200.00	1,197.47	578.58	577.08	4.11	1.94	99.50	-5,393.97	1,744.82	5,710.23	5,704.23	6.00	951.595		
1,300.00	1,295.62	640.00	637.70	4.53	2.19	99.26	-5,398.70	1,753.49	5,725.01	5,718.36	6.64	861.712		
1,400.00	1,393.06	640.00	637.70	4.97	2.19	98.94	-5,398.70	1,753.49	5,741.16	5,734.09	7.07	812.223		
1,500.00	1,489.64	690.78	687.67	5.44	2.42	98.65	-5,403.26	1,761.26	5,758.96	5,751.23	7.73	744.700		
1,600.00	1,585.27	732.00	728.14	5.95	2.60	98.33	-5,407.37	1,767.93	5,778.35	5,769.95	8.39	688.426		
1,700.00	1,679.82	762.29	757.80	6.51	2.75	97.97	-5,410.63	1,773.11	5,799.29	5,790.23	9.05	640.454		
1,800.00	1,773.17	795.08	789.83	7.13	2.91	97.58	-5,414.40	1,779.06	5,821.80	5,812.03	9.77	595.824		
1,900.00	1,865.21	825.00	818.97	7.79	3.05	97.17	-5,418.06	1,784.80	5,845.86	5,835.34	10.52	555.606		
2,000.00	1,955.84	865.69	858.48	8.51	3.26	96.76	-5,423.33	1,792.99	5,871.38	5,859.99	11.38	515.871		
2,100.00	2,044.94	919.00	910.05	9.30	3.54	96.37	-5,430.71	1,804.27	5,898.34	5,885.99	12.35	477.440		
2,200.00	2,132.39	951.91	941.80	10.15	3.72	95.90	-5,435.46	1,811.48	5,926.51	5,913.21	13.29	445.779		
2,300.00	2,218.11	1,013.00	1,000.65	11.07	4.05	95.51	-5,444.45	1,825.20	5,955.77	5,941.34	14.43	412.712		
2,400.00	2,301.97	1,060.40	1,046.24	12.06	4.32	95.06	-5,451.66	1,836.00	5,986.07	5,970.51	15.56	384.655		
2,500.00	2,383.88	1,106.00	1,090.05	13.11	4.58	94.60	-5,458.86	1,846.39	6,017.46	6,000.71	16.75	359.226		
2,512.74	2,394.17	1,117.01	1,100.62	13.25	4.65	94.56	-5,460.64	1,848.90	6,021.53	6,004.60	16.93	355.585		
2,600.00	2,464.54	1,164.56	1,146.27	14.22	4.92	94.78	-5,468.45	1,859.69	6,049.77	6,031.72	18.05	335.158		
2,700.00	2,545.18	1,214.88	1,194.55	15.35	5.22	95.00	-5,476.98	1,871.04	6,082.81	6,063.49	19.32	314.854		
2,800.00	2,625.82	1,406.03	1,378.51	16.50	6.33	95.87	-5,509.08	1,911.82	6,115.85	6,094.48	21.37	286.253		
2,900.00	2,706.45	1,440.27	1,411.57	17.65	6.52	96.03	-5,514.80	1,918.65	6,148.66	6,126.10	22.56	272.528		
3,000.00	2,787.09	1,490.00	1,459.56	18.82	6.81	96.26	-5,523.49	1,928.38	6,182.37	6,158.53	23.84	259.282		
3,100.00	2,867.73	1,517.06	1,485.64	19.99	6.96	96.38	-5,528.44	1,933.58	6,216.97	6,191.97	25.00	248.686		
3,200.00	2,948.37	1,551.34	1,518.67	21.17	7.16	96.54	-5,534.97	1,940.06	6,252.53	6,226.34	26.19	238.735		
3,300.00	3,029.01	1,584.00	1,550.10	22.36	7.35	96.70	-5,541.46	1,946.13	6,289.03	6,261.66	27.37	229.798		
3,400.00	3,109.65	1,629.92	1,594.23	23.55	7.62	96.91	-5,550.91	1,954.58	6,326.39	6,297.78	28.61	221.097		
3,500.00	3,190.29	1,678.00	1,640.39	24.74	7.90	97.14	-5,561.10	1,963.38	6,364.55	6,334.68	29.87	213.088		
3,600.00	3,270.93	1,750.42	1,709.89	25.94	8.32	97.48	-5,576.74	1,976.41	6,403.29	6,372.04	31.26	204.847		
3,700.00	3,351.57	2,186.99	2,133.06	27.14	10.71	99.56	-5,660.01	2,043.42	6,439.01	6,404.37	34.64	185.876		
3,800.00	3,432.21	2,240.00	2,184.76	28.35	10.99	99.81	-5,669.24	2,050.60	6,474.27	6,438.35	35.92	180.247		
3,900.00	3,512.85	2,302.17	2,245.35	29.56	11.31	100.10	-5,680.26	2,059.15	6,510.20	6,472.96	37.24	174.807		
4,000.00	3,593.49	2,366.76	2,308.30	30.76	11.65	100.40	-5,691.59	2,068.12	6,546.40	6,507.83	38.57	169.710		
4,100.00	3,674.13	2,411.38	2,351.76	31.97	11.88	100.61	-5,699.69	2,074.15	6,583.35	6,543.55	39.79	165.447		
4,200.00	3,754.77	2,527.80	2,465.20	33.19	12.49	101.16	-5,721.04	2,089.36	6,620.78	6,579.39	41.39	159.944		
4,300.00	3,835.41	2,580.46	2,516.50	34.40	12.77	101.40	-5,730.59	2,096.37	6,658.35	6,615.70	42.65	156.125		
4,400.00	3,916.05	2,615.00	2,550.12	35.62	12.95	101.56	-5,736.93	2,101.15	6,696.57	6,652.78	43.79	152.920		
4,500.00	3,996.69	2,667.51	2,601.12	36.83	13.24	101.79	-5,746.81	2,108.80	6,735.49	6,690.46	45.04	149.553		
4,600.00	4,077.33	4,600.00	2,689.58	38.05	24.16	102.19	-5,764.29	2,123.56	6,775.07	6,720.08	54.99	123.200		
4,700.00	4,157.96	2,869.74	2,796.92	39.27	14.37	102.66	-5,784.75	2,142.22	6,814.36	6,766.23	48.13	141.588		
4,800.00	4,238.60	2,933.92	2,859.13	40.49	14.73	102.93	-5,796.72	2,152.49	6,854.04	6,804.60	49.44	138.627		
4,900.00	4,319.24	3,009.85	2,932.71	41.71	15.15	103.25	-5,811.01	2,164.58	6,894.12	6,843.30	50.82	135.652		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 92-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	4,399.88	3,097.93	3,018.12	42.93	15.64	103.62	-5,827.54	2,178.41	6,934.40	6,882.13	52.27	132.659		
5,100.00	4,480.52	3,163.90	3,082.14	44.15	16.00	103.90	-5,840.02	2,188.25	6,975.02	6,921.44	53.58	130.190		
5,200.00	4,561.16	3,218.82	3,135.45	45.37	16.31	104.13	-5,850.58	2,196.17	7,016.11	6,961.31	54.80	128.023		
5,300.00	4,641.80	3,272.00	3,187.00	46.59	16.60	104.35	-5,861.00	2,204.06	7,057.79	7,001.78	56.01	126.002		
5,400.00	4,722.44	3,322.56	3,235.96	47.82	16.88	104.56	-5,871.10	2,211.67	7,100.05	7,042.85	57.20	124.121		
5,500.00	4,803.08	3,436.37	3,346.09	49.04	17.52	105.03	-5,894.08	2,228.85	7,142.82	7,084.02	58.80	121.480		
5,600.00	4,883.72	3,511.40	3,418.72	50.27	17.95	105.33	-5,908.77	2,240.61	7,185.27	7,125.13	60.14	119.466		
5,700.00	4,964.36	3,553.00	3,458.93	51.49	18.18	105.49	-5,917.02	2,247.38	7,228.25	7,166.99	61.26	117.984		
5,800.00	5,045.00	3,592.29	3,496.84	52.71	18.41	105.64	-5,925.03	2,253.84	7,271.91	7,209.55	62.36	116.606		
5,900.00	5,125.64	3,647.00	3,549.53	53.94	18.73	105.85	-5,936.73	2,262.81	7,316.44	7,252.88	63.56	115.110		
6,000.00	5,206.28	3,668.20	3,569.91	55.17	18.86	105.94	-5,941.39	2,266.34	7,361.50	7,296.98	64.52	114.102		
6,100.00	5,286.92	5,606.01	5,475.72	56.39	26.93	113.65	-6,132.98	2,445.94	7,401.22	7,326.18	75.05	98.619		
6,200.00	5,367.56	5,677.08	5,546.75	57.62	27.08	113.97	-6,131.17	2,444.88	7,426.67	7,350.43	76.24	97.415		
6,300.00	5,448.20	5,770.00	5,639.64	58.84	27.28	114.38	-6,128.84	2,443.35	7,452.55	7,375.08	77.47	96.199		
6,400.00	5,528.84	5,852.72	5,722.31	60.07	27.46	114.74	-6,126.58	2,442.13	7,478.62	7,399.95	78.67	95.060		
6,500.00	5,609.47	5,941.49	5,811.04	61.30	27.65	115.12	-6,124.22	2,440.86	7,505.13	7,425.25	79.88	93.951		
6,600.00	5,690.11	6,047.14	5,916.64	62.53	27.89	115.58	-6,121.06	2,439.37	7,531.74	7,450.61	81.13	92.835		
6,700.00	5,770.75	6,148.40	6,017.83	63.75	28.11	116.02	-6,117.78	2,438.00	7,558.51	7,476.15	82.36	91.775		
6,800.00	5,851.39	6,260.56	6,129.92	64.98	28.37	116.49	-6,113.76	2,436.69	7,585.37	7,501.76	83.61	90.723		
6,900.00	5,932.03	6,330.95	6,200.25	66.21	28.53	116.79	-6,111.11	2,435.91	7,612.44	7,527.69	84.75	89.821		
7,000.00	6,012.67	6,402.81	6,272.07	67.44	28.70	117.09	-6,108.56	2,435.27	7,640.01	7,554.12	85.89	88.952		
7,100.00	6,093.31	6,480.07	6,349.28	68.66	28.88	117.41	-6,105.87	2,434.93	7,667.97	7,580.93	87.04	88.100		
7,200.00	6,173.95	6,553.22	6,422.38	69.89	29.06	117.71	-6,103.41	2,435.04	7,696.34	7,608.17	88.17	87.289		
7,300.00	6,254.59	6,608.29	6,477.43	71.12	29.20	117.93	-6,101.70	2,435.35	7,725.22	7,635.97	89.25	86.556		
7,400.00	6,335.23	6,672.37	6,541.48	72.35	29.37	118.19	-6,099.94	2,435.84	7,754.69	7,664.34	90.35	85.830		
7,500.00	6,415.87	6,765.67	6,634.74	73.58	29.61	118.56	-6,097.39	2,436.38	7,784.51	7,692.99	91.52	85.054		
7,600.00	6,496.51	6,882.51	6,751.52	74.81	29.90	119.03	-6,093.66	2,435.87	7,814.34	7,721.59	92.75	84.253		
7,700.00	6,577.15	6,968.27	6,837.23	76.04	30.11	119.38	-6,090.61	2,434.78	7,844.26	7,750.39	93.87	83.566		
7,800.00	6,657.79	7,040.13	6,909.02	77.27	30.29	119.68	-6,088.09	2,433.47	7,874.59	7,779.65	94.94	82.942		
7,900.00	6,738.43	7,119.02	6,987.86	78.50	30.48	120.00	-6,085.36	2,432.03	7,905.28	7,809.26	96.02	82.327		
8,000.00	6,819.07	7,183.65	7,052.44	79.73	30.64	120.26	-6,083.20	2,430.90	7,936.39	7,839.33	97.06	81.769		
8,100.00	6,899.71	7,266.28	7,135.02	80.96	30.85	120.59	-6,080.55	2,429.48	7,967.93	7,869.79	98.14	81.190		
8,200.00	6,980.35	7,344.19	7,212.88	82.18	31.04	120.90	-6,078.03	2,428.48	7,999.70	7,900.50	99.20	80.641		
8,240.58	7,013.07	7,370.59	7,239.27	82.68	31.11	121.00	-6,077.20	2,428.14	8,012.72	7,913.11	99.62	80.437		
8,250.00	7,020.68	7,376.73	7,245.40	82.80	31.13	119.79	-6,077.01	2,428.06	8,015.68	7,915.97	99.71	80.389		
8,300.00	7,061.63	7,409.59	7,278.24	83.40	31.21	113.00	-6,076.02	2,427.61	8,029.00	7,928.77	100.23	80.105		
8,350.00	7,103.23	7,442.75	7,311.38	83.97	31.30	105.68	-6,075.04	2,427.14	8,038.23	7,937.46	100.76	79.774		
8,400.00	7,145.18	7,476.04	7,344.66	84.51	31.38	98.06	-6,074.10	2,426.64	8,043.31	7,942.01	101.30	79.401		
8,450.00	7,187.16	7,509.48	7,378.08	85.01	31.47	90.48	-6,073.18	2,426.13	8,044.21	7,942.37	101.84	78.990		
8,500.00	7,228.84	7,542.87	7,411.46	85.46	31.56	83.25	-6,072.29	2,425.58	8,040.93	7,938.56	102.37	78.548		
8,550.00	7,269.91	7,575.64	7,444.21	85.86	31.64	76.64	-6,071.44	2,425.00	8,033.49	7,930.61	102.89	78.081		
8,600.00	7,310.05	7,606.00	7,474.55	86.20	31.72	70.81	-6,070.68	2,424.44	8,021.96	7,918.58	103.38	77.596		
8,650.00	7,348.97	7,634.33	7,502.87	86.50	31.79	65.82	-6,070.01	2,423.96	8,006.42	7,902.57	103.85	77.095		
8,700.00	7,386.36	7,661.57	7,530.10	86.74	31.87	61.66	-6,069.41	2,423.53	7,986.98	7,882.69	104.30	76.580		
8,750.00	7,421.94	7,696.59	7,565.11	86.93	31.96	58.36	-6,068.68	2,423.07	7,963.79	7,859.05	104.74	76.031		
8,800.00	7,455.44	7,771.09	7,639.59	87.07	32.17	56.02	-6,067.10	2,423.23	7,936.86	7,831.56	105.31	75.368		
8,850.00	7,486.61	7,841.92	7,710.38	87.16	32.38	54.41	-6,065.49	2,424.96	7,906.35	7,800.51	105.84	74.702		
8,900.00	7,515.20	7,908.07	7,776.44	87.20	32.57	53.52	-6,063.91	2,427.97	7,872.50	7,766.17	106.33	74.039		
8,950.00	7,541.00	7,944.58	7,812.91	87.21	32.69	53.19	-6,062.88	2,429.29	7,835.66	7,728.96	106.70	73.434		
9,000.00	7,563.81	7,983.62	7,851.90	87.17	32.80	53.73	-6,061.72	2,430.89	7,796.10	7,689.05	107.05	72.824		
9,050.00	7,583.47	8,000.70	7,868.96	87.10	32.85	55.04	-6,061.19	2,431.52	7,754.17	7,646.87	107.30	72.268		
9,100.00	7,599.81	8,018.83	7,887.07	87.00	32.91	57.63	-6,060.62	2,432.18	7,710.18	7,602.66	107.52	71.709		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ SEARS 2-4-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 92-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,150.00	7,612.72	8,032.62	7,900.85	86.88	32.95	61.99	-6,060.17	2,432.65	7,664.46	7,556.76	107.71	71.161		
9,200.00	7,622.09	8,042.02	7,910.24	86.72	32.98	69.11	-6,059.86	2,432.95	7,617.36	7,509.50	107.85	70.627		
9,250.00	7,627.87	8,047.01	7,915.22	86.55	32.99	80.84	-6,059.69	2,433.11	7,569.21	7,461.25	107.97	70.107		
9,303.98	7,630.00	8,047.44	7,915.66	86.35	32.99	101.67	-6,059.68	2,433.13	7,516.48	7,408.43	108.05	69.563		
9,400.00	7,630.00	8,043.69	7,911.91	85.99	32.98	101.53	-6,059.80	2,433.01	7,422.26	7,314.09	108.18	68.613		
9,500.00	7,630.00	8,039.82	7,908.04	85.62	32.97	101.37	-6,059.93	2,432.88	7,324.19	7,215.88	108.31	67.624		
9,600.00	7,630.00	8,035.99	7,904.22	85.28	32.96	101.22	-6,060.06	2,432.76	7,226.17	7,117.73	108.45	66.634		
9,700.00	7,630.00	8,032.19	7,900.42	84.95	32.95	101.07	-6,060.18	2,432.63	7,128.20	7,019.62	108.59	65.645		
9,800.00	7,630.00	8,028.43	7,896.67	84.64	32.94	100.93	-6,060.30	2,432.51	7,030.29	6,921.56	108.73	64.656		
9,900.00	7,630.00	8,024.71	7,892.95	84.34	32.93	100.78	-6,060.43	2,432.38	6,932.43	6,823.55	108.89	63.666		
10,000.00	7,630.00	8,021.02	7,889.27	84.06	32.92	100.63	-6,060.54	2,432.25	6,834.64	6,725.59	109.05	62.677		
10,100.00	7,630.00	8,017.37	7,885.62	83.80	32.90	100.49	-6,060.66	2,432.12	6,736.91	6,627.70	109.21	61.688		
10,200.00	7,630.00	8,013.75	7,882.00	83.56	32.89	100.35	-6,060.78	2,432.00	6,639.24	6,529.86	109.38	60.699		
10,300.00	7,630.00	8,010.17	7,878.42	83.33	32.88	100.21	-6,060.89	2,431.87	6,541.65	6,432.09	109.56	59.710		
10,400.00	7,630.00	8,006.61	7,874.87	83.12	32.87	100.07	-6,061.00	2,431.74	6,444.12	6,334.38	109.74	58.722		
10,500.00	7,630.00	8,003.10	7,871.36	82.92	32.86	99.93	-6,061.12	2,431.61	6,346.67	6,236.74	109.93	57.733		
10,600.00	7,630.00	7,999.61	7,867.88	82.75	32.85	99.79	-6,061.23	2,431.48	6,249.30	6,139.17	110.13	56.745		
10,700.00	7,630.00	7,996.16	7,864.43	82.59	32.84	99.65	-6,061.33	2,431.35	6,152.01	6,041.68	110.33	55.758		
10,800.00	7,630.00	7,992.73	7,861.01	82.45	32.83	99.52	-6,061.44	2,431.23	6,054.81	5,944.26	110.55	54.771		
10,900.00	7,630.00	7,989.34	7,857.62	82.33	32.82	99.38	-6,061.54	2,431.10	5,957.70	5,846.93	110.77	53.784		
11,000.00	7,630.00	7,985.98	7,854.26	82.22	32.81	99.25	-6,061.65	2,430.97	5,860.68	5,749.68	111.00	52.798		
11,100.00	7,630.00	7,982.65	7,850.94	82.14	32.80	99.12	-6,061.75	2,430.84	5,763.77	5,652.53	111.24	51.813		
11,200.00	7,630.00	7,983.23	7,851.52	82.08	32.80	99.14	-6,061.73	2,430.87	5,666.95	5,555.44	111.51	50.821		
11,300.00	7,630.00	7,978.88	7,847.17	82.04	32.79	98.97	-6,061.86	2,430.70	5,570.26	5,458.49	111.76	49.839		
11,400.00	7,630.00	7,974.61	7,842.90	82.02	32.78	98.80	-6,061.99	2,430.52	5,473.67	5,361.64	112.03	48.859		
11,500.00	7,630.00	7,970.41	7,838.71	82.03	32.76	98.63	-6,062.12	2,430.35	5,377.22	5,264.91	112.31	47.879		
11,600.00	7,630.00	7,966.28	7,834.59	82.06	32.75	98.47	-6,062.25	2,430.18	5,280.89	5,168.29	112.60	46.900		
11,700.00	7,630.00	7,962.22	7,830.54	82.12	32.74	98.30	-6,062.37	2,430.02	5,184.69	5,071.79	112.90	45.923		
11,800.00	7,630.00	7,958.24	7,826.55	82.21	32.73	98.15	-6,062.48	2,429.86	5,088.65	4,975.43	113.22	44.946		
11,900.00	7,630.00	7,954.32	7,822.64	82.33	32.72	97.99	-6,062.60	2,429.69	4,992.75	4,879.20	113.55	43.971		
12,000.00	7,630.00	7,950.46	7,818.79	82.48	32.70	97.84	-6,062.71	2,429.53	4,897.02	4,783.13	113.89	42.998		
12,100.00	7,630.00	7,946.67	7,815.00	82.66	32.69	97.68	-6,062.82	2,429.38	4,801.45	4,687.20	114.25	42.026		
12,200.00	7,630.00	7,942.94	7,811.28	82.88	32.68	97.54	-6,062.93	2,429.22	4,706.07	4,591.45	114.63	41.056		
12,300.00	7,630.00	7,939.27	7,807.62	83.14	32.67	97.39	-6,063.03	2,429.07	4,610.89	4,495.87	115.02	40.087		
12,400.00	7,630.00	7,935.67	7,804.01	83.44	32.66	97.24	-6,063.13	2,428.92	4,515.91	4,400.47	115.43	39.121		
12,500.00	7,630.00	7,932.12	7,800.47	83.79	32.65	97.10	-6,063.23	2,428.77	4,421.15	4,305.28	115.87	38.157		
12,600.00	7,630.00	7,928.62	7,796.98	84.18	32.64	96.96	-6,063.33	2,428.62	4,326.62	4,210.30	116.32	37.196		
12,700.00	7,630.00	7,925.18	7,793.54	84.61	32.63	96.83	-6,063.42	2,428.47	4,232.34	4,115.55	116.79	36.238		
12,800.00	7,630.00	7,921.80	7,790.16	85.10	32.62	96.69	-6,063.51	2,428.33	4,138.33	4,021.04	117.29	35.282		
12,900.00	7,630.00	7,918.47	7,786.83	85.64	32.61	96.56	-6,063.60	2,428.19	4,044.60	3,926.79	117.82	34.330		
13,000.00	7,630.00	7,915.18	7,783.56	86.22	32.60	96.43	-6,063.69	2,428.05	3,951.18	3,832.81	118.37	33.381		
13,100.00	7,630.00	7,911.95	7,780.33	86.86	32.59	96.30	-6,063.78	2,427.91	3,858.08	3,739.14	118.94	32.436		
13,200.00	7,630.00	7,908.77	7,777.15	87.56	32.58	96.17	-6,063.86	2,427.77	3,765.34	3,645.79	119.55	31.496		
13,300.00	7,630.00	7,905.64	7,774.02	88.30	32.57	96.04	-6,063.94	2,427.64	3,672.98	3,552.79	120.19	30.560		
13,400.00	7,630.00	7,902.55	7,770.94	89.10	32.56	95.92	-6,064.02	2,427.50	3,581.02	3,460.16	120.86	29.629		
13,500.00	7,630.00	7,899.51	7,767.90	89.94	32.55	95.80	-6,064.10	2,427.37	3,489.51	3,367.94	121.57	28.703		
13,600.00	7,630.00	13,600.00	7,714.35	90.84	49.40	93.64	-6,065.36	2,425.76	3,398.44	3,258.98	139.46	24.369		
13,700.00	7,630.00	7,909.23	7,777.60	91.78	32.57	96.19	-6,063.88	2,428.03	3,307.90	3,184.70	123.20	26.850		
13,800.00	7,630.00	7,904.31	7,772.69	92.77	32.56	95.99	-6,064.00	2,427.76	3,217.94	3,093.92	124.02	25.947		
13,900.00	7,630.00	7,899.44	7,767.82	93.79	32.54	95.79	-6,064.12	2,427.50	3,128.59	3,003.71	124.88	25.052		
14,000.00	7,630.00	7,894.60	7,762.99	94.86	32.53	95.60	-6,064.24	2,427.25	3,039.90	2,914.10	125.80	24.165		
14,100.00	7,630.00	7,889.80	7,758.20	95.97	32.51	95.41	-6,064.35	2,427.00	2,951.93	2,825.17	126.76	23.287		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ SEARS 2-4-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 92-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,630.00	7,885.03	7,753.44	97.11	32.50	95.22	-6,064.47	2,426.77	2,864.74	2,736.97	127.78	22.420		
14,300.00	7,630.00	7,880.30	7,748.72	98.28	32.49	95.03	-6,064.58	2,426.54	2,778.42	2,649.57	128.85	21.563		
14,400.00	7,630.00	7,875.61	7,744.04	99.48	32.47	94.84	-6,064.70	2,426.32	2,693.03	2,563.05	129.98	20.719		
14,500.00	7,630.00	7,870.96	7,739.39	100.72	32.46	94.65	-6,064.81	2,426.11	2,608.68	2,477.51	131.17	19.887		
14,600.00	7,630.00	7,866.34	7,734.78	101.97	32.45	94.46	-6,064.92	2,425.91	2,525.47	2,393.04	132.43	19.071		
14,700.00	7,630.00	7,861.76	7,730.20	103.26	32.43	94.28	-6,065.03	2,425.72	2,443.51	2,309.77	133.74	18.270		
14,800.00	7,630.00	7,857.21	7,725.65	104.56	32.42	94.10	-6,065.13	2,425.53	2,362.94	2,227.81	135.13	17.487		
14,900.00	7,630.00	7,852.69	7,721.14	105.89	32.41	93.91	-6,065.24	2,425.36	2,283.90	2,147.32	136.57	16.723		
15,000.00	7,630.00	7,848.21	7,716.67	107.24	32.40	93.73	-6,065.35	2,425.19	2,206.55	2,068.47	138.08	15.980		
15,100.00	7,630.00	7,843.77	7,712.23	108.60	32.38	93.56	-6,065.45	2,425.02	2,131.09	1,991.44	139.65	15.260		
15,200.00	7,630.00	7,839.35	7,707.82	109.98	32.37	93.38	-6,065.55	2,424.87	2,057.71	1,916.45	141.27	14.566		
15,300.00	7,630.00	7,834.97	7,703.44	111.38	32.36	93.20	-6,065.66	2,424.72	1,986.66	1,843.73	142.92	13.900		
15,400.00	7,630.00	7,830.63	7,699.10	112.79	32.35	93.03	-6,065.76	2,424.58	1,918.18	1,773.57	144.61	13.264		
15,500.00	7,630.00	7,826.31	7,694.79	114.22	32.33	92.85	-6,065.86	2,424.44	1,852.56	1,706.26	146.31	12.662		
15,600.00	7,630.00	7,822.03	7,690.51	115.66	32.32	92.68	-6,065.95	2,424.32	1,790.13	1,642.14	147.99	12.096		
15,700.00	7,630.00	7,817.78	7,686.26	117.11	32.31	92.51	-6,066.05	2,424.19	1,731.22	1,581.59	149.63	11.570		
15,800.00	7,630.00	7,813.56	7,682.04	118.57	32.30	92.34	-6,066.15	2,424.08	1,676.20	1,525.01	151.18	11.087		
15,900.00	7,630.00	7,809.37	7,677.85	120.05	32.28	92.17	-6,066.24	2,423.97	1,625.47	1,472.86	152.61	10.651		
16,000.00	7,630.00	7,805.21	7,673.70	121.53	32.27	92.00	-6,066.34	2,423.87	1,579.44	1,425.59	153.85	10.266		
16,100.00	7,630.00	7,801.08	7,669.57	123.03	32.26	91.84	-6,066.43	2,423.77	1,538.54	1,383.67	154.86	9.935		
16,200.00	7,630.00	7,796.98	7,665.48	124.53	32.25	91.67	-6,066.52	2,423.68	1,503.18	1,347.60	155.58	9.662		
16,300.00	7,630.00	7,792.92	7,661.41	126.04	32.24	91.51	-6,066.61	2,423.60	1,473.76	1,317.81	155.95	9.450		
16,400.00	7,630.00	7,788.88	7,657.37	127.56	32.23	91.34	-6,066.71	2,423.52	1,450.65	1,294.73	155.92	9.304		
16,500.00	7,630.00	7,784.87	7,653.36	129.09	32.21	91.18	-6,066.79	2,423.44	1,434.15	1,278.69	155.46	9.225		
16,600.00	7,630.00	7,780.89	7,649.38	130.62	32.20	91.02	-6,066.88	2,423.37	1,424.49	1,269.94	154.54	9.217 SF		
16,688.23	7,630.00	7,777.40	7,645.90	131.98	32.19	90.88	-6,066.96	2,423.32	1,421.75	1,268.39	153.36	9.271 CC, ES		
16,700.00	7,630.00	7,776.93	7,645.43	132.16	32.19	90.86	-6,066.97	2,423.31	1,421.80	1,268.63	153.18	9.282		
16,800.00	7,630.00	7,773.01	7,641.51	133.71	32.18	90.71	-6,067.06	2,423.25	1,426.14	1,274.76	151.38	9.421		
16,900.00	7,630.00	7,769.11	7,637.61	135.27	32.17	90.55	-6,067.14	2,423.20	1,437.43	1,288.22	149.20	9.634		
17,000.00	7,630.00	7,765.24	7,633.75	136.83	32.16	90.39	-6,067.23	2,423.15	1,455.51	1,308.80	146.71	9.921		
17,100.00	7,630.00	7,761.40	7,629.91	138.39	32.15	90.24	-6,067.31	2,423.11	1,480.13	1,336.16	143.97	10.281		
17,200.00	7,630.00	7,757.59	7,626.09	139.97	32.14	90.08	-6,067.39	2,423.07	1,510.98	1,369.92	141.06	10.712		
17,300.00	7,630.00	7,753.80	7,622.31	141.54	32.12	89.93	-6,067.48	2,423.04	1,547.68	1,409.63	138.06	11.210		
17,400.00	7,630.00	7,750.04	7,618.55	143.12	32.11	89.78	-6,067.56	2,423.01	1,589.83	1,454.80	135.03	11.774		
17,500.00	7,630.00	7,746.30	7,614.81	144.71	32.10	89.63	-6,067.64	2,422.99	1,637.01	1,504.96	132.04	12.397		
17,600.00	7,630.00	7,742.59	7,611.10	146.30	32.09	89.48	-6,067.72	2,422.97	1,688.79	1,559.65	129.14	13.077		
17,700.00	7,630.00	7,738.91	7,607.42	147.90	32.08	89.33	-6,067.80	2,422.95	1,744.76	1,618.41	126.35	13.809		
17,800.00	7,630.00	7,735.25	7,603.76	149.50	32.07	89.18	-6,067.88	2,422.94	1,804.54	1,680.83	123.71	14.586		
17,900.00	7,630.00	7,731.62	7,600.13	151.10	32.06	89.04	-6,067.95	2,422.93	1,867.76	1,746.53	121.24	15.406		
18,000.00	7,630.00	7,728.01	7,596.53	152.71	32.05	88.89	-6,068.03	2,422.93	1,934.08	1,815.15	118.93	16.262		
18,100.00	7,630.00	7,724.43	7,592.94	154.32	32.04	88.75	-6,068.10	2,422.93	2,003.20	1,886.41	116.80	17.151		
18,200.00	7,630.00	7,720.87	7,589.39	155.94	32.03	88.61	-6,068.18	2,422.94	2,074.83	1,960.00	114.83	18.068		
18,300.00	7,630.00	7,717.34	7,585.85	157.56	32.02	88.46	-6,068.25	2,422.94	2,148.73	2,035.69	113.03	19.010		
18,400.00	7,630.00	7,713.83	7,582.34	159.18	32.01	88.32	-6,068.33	2,422.96	2,224.66	2,113.27	111.39	19.971		
18,500.00	7,630.00	7,710.34	7,578.86	160.80	32.00	88.18	-6,068.40	2,422.97	2,302.43	2,192.53	109.90	20.951		
18,600.00	7,630.00	7,706.88	7,575.39	162.43	31.99	88.04	-6,068.47	2,422.99	2,381.86	2,273.32	108.54	21.944		
18,700.00	7,630.00	7,703.44	7,571.96	164.06	31.98	87.90	-6,068.54	2,423.02	2,462.78	2,355.47	107.32	22.949		
18,800.00	7,630.00	7,700.02	7,568.54	165.70	31.97	87.77	-6,068.61	2,423.04	2,545.06	2,438.85	106.21	23.963		
18,900.00	7,630.00	7,696.63	7,565.15	167.33	31.96	87.63	-6,068.68	2,423.07	2,628.56	2,523.36	105.20	24.985		
19,000.00	7,630.00	7,693.26	7,561.78	168.97	31.95	87.49	-6,068.75	2,423.11	2,713.18	2,608.88	104.30	26.013		
19,021.79	7,630.00	7,692.52	7,561.05	169.33	31.95	87.46	-6,068.77	2,423.11	2,731.75	2,627.64	104.12	26.237		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ SEARS 4-4-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 73-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	148.98	-5,442.25	3,272.55	6,350.45					
100.00	100.00	59.92	59.92	0.13	0.09	148.98	-5,442.40	3,272.46	6,350.51	6,350.29	0.22	N/A		
200.00	200.00	165.00	164.99	0.49	0.44	148.99	-5,442.98	3,271.40	6,350.45	6,349.52	0.93	6,830.462		
211.38	211.38	188.23	188.22	0.53	0.52	149.00	-5,443.14	3,271.01	6,350.37	6,349.32	1.05	6,028.139		
300.00	300.00	224.47	224.45	0.85	0.65	149.00	-5,443.58	3,270.57	6,350.74	6,349.24	1.50	4,231.319		
400.00	400.00	255.00	254.98	1.21	0.76	149.01	-5,444.12	3,270.36	6,352.06	6,350.09	1.97	3,225.490		
500.00	500.00	301.16	301.12	1.57	0.92	149.01	-5,445.29	3,270.34	6,354.31	6,351.82	2.49	2,549.905		
600.00	600.00	349.00	348.93	1.93	1.10	149.02	-5,446.97	3,270.72	6,357.60	6,354.58	3.02	2,104.948		
700.00	700.00	385.76	385.66	2.29	1.23	149.02	-5,448.51	3,271.23	6,361.77	6,358.26	3.51	1,813.026		
800.00	799.98	441.00	440.82	2.64	1.43	87.15	-5,451.09	3,272.26	6,366.64	6,362.58	4.06	1,569.014		
900.00	899.84	480.79	480.55	2.99	1.57	87.06	-5,453.23	3,273.17	6,372.15	6,367.60	4.55	1,400.123		
1,000.00	999.45	536.00	535.62	3.35	1.77	86.99	-5,456.75	3,274.62	6,378.42	6,373.32	5.11	1,249.162		
1,100.00	1,098.70	536.00	535.62	3.73	1.77	86.85	-5,456.75	3,274.62	6,385.51	6,380.03	5.47	1,166.628		
1,200.00	1,197.47	588.51	587.95	4.11	1.97	86.76	-5,460.84	3,276.25	6,393.28	6,387.23	6.05	1,057.213		
1,300.00	1,295.62	623.00	622.27	4.53	2.10	86.65	-5,464.01	3,277.52	6,402.04	6,395.47	6.58	973.595		
1,400.00	1,393.06	665.62	664.64	4.97	2.27	86.55	-5,468.28	3,279.21	6,411.58	6,404.42	7.16	895.057		
1,500.00	1,489.64	711.00	709.72	5.44	2.44	86.46	-5,473.13	3,281.13	6,421.74	6,413.94	7.79	824.012		
1,600.00	1,585.27	745.29	743.75	5.95	2.58	86.34	-5,477.00	3,282.80	6,432.64	6,424.21	8.42	763.808		
1,700.00	1,679.82	798.00	795.98	6.51	2.79	86.26	-5,483.30	3,286.10	6,444.46	6,435.30	9.16	703.379		
1,800.00	1,773.17	798.00	795.98	7.13	2.79	86.01	-5,483.30	3,286.10	6,456.97	6,447.22	9.75	662.118		
1,900.00	1,865.21	849.48	846.89	7.79	3.01	85.92	-5,489.92	3,289.90	6,470.26	6,459.67	10.59	610.972		
2,000.00	1,955.84	885.00	881.96	8.51	3.16	85.77	-5,494.77	3,292.70	6,484.34	6,472.92	11.42	567.714		
2,100.00	2,044.94	914.10	910.65	9.30	3.28	85.59	-5,498.94	3,295.16	6,499.23	6,486.94	12.29	528.844		
2,200.00	2,132.39	941.60	937.72	10.15	3.40	85.39	-5,503.07	3,297.68	6,514.99	6,501.78	13.21	493.168		
2,300.00	2,218.11	973.00	968.58	11.07	3.54	85.20	-5,507.99	3,300.81	6,531.61	6,517.40	14.21	459.703		
2,400.00	2,301.97	1,033.14	1,027.61	12.06	3.81	85.13	-5,517.69	3,306.99	6,548.87	6,533.48	15.39	425.586		
2,500.00	2,383.88	1,087.24	1,080.69	13.11	4.06	85.05	-5,526.56	3,312.54	6,566.50	6,549.89	16.61	395.243		
2,512.74	2,394.17	1,092.77	1,086.11	13.25	4.08	85.03	-5,527.48	3,313.11	6,568.79	6,552.02	16.77	391.738		
2,600.00	2,464.54	1,133.73	1,126.25	14.22	4.27	85.24	-5,534.42	3,317.38	6,584.87	6,567.01	17.85	368.823		
2,700.00	2,545.18	2,700.00	1,295.99	15.35	11.64	86.13	-5,562.76	3,335.36	6,603.31	6,578.38	24.93	264.879		
2,800.00	2,625.82	1,386.32	1,374.18	16.50	5.45	86.54	-5,575.18	3,343.24	6,621.54	6,600.47	21.06	314.363		
2,900.00	2,706.45	1,432.62	1,419.65	17.65	5.67	86.78	-5,582.74	3,347.69	6,640.67	6,618.32	22.35	297.175		
3,000.00	2,787.09	1,494.41	1,480.28	18.82	5.97	87.10	-5,593.07	3,353.57	6,660.58	6,636.88	23.70	281.016		
3,100.00	2,867.73	1,539.58	1,524.58	19.99	6.18	87.33	-5,600.79	3,357.87	6,681.27	6,656.29	24.99	267.369		
3,200.00	2,948.37	1,595.00	1,578.85	21.17	6.45	87.61	-5,610.64	3,363.24	6,702.95	6,676.62	26.32	254.638		
3,300.00	3,029.01	1,626.05	1,609.22	22.36	6.61	87.77	-5,616.33	3,366.26	6,725.47	6,697.92	27.55	244.131		
3,400.00	3,109.65	1,682.00	1,663.92	23.55	6.88	88.06	-5,626.86	3,371.59	6,748.87	6,719.99	28.89	233.638		
3,500.00	3,190.29	1,743.93	1,724.42	24.74	7.19	88.38	-5,638.67	3,377.53	6,773.00	6,742.74	30.25	223.891		
3,600.00	3,270.93	1,887.38	1,864.67	25.94	7.91	89.11	-5,665.30	3,391.68	6,797.32	6,765.32	32.00	212.415		
3,700.00	3,351.57	2,170.16	2,142.34	27.14	9.27	90.51	-5,710.56	3,419.88	6,819.38	6,784.99	34.39	198.275		
3,800.00	3,432.21	2,206.00	2,177.60	28.35	9.43	90.68	-5,716.03	3,423.25	6,842.02	6,806.38	35.65	191.938		
3,900.00	3,512.85	2,263.91	2,234.53	29.56	9.71	90.97	-5,725.19	3,428.63	6,865.47	6,828.47	37.00	185.558		
4,000.00	3,593.49	2,312.18	2,281.93	30.76	9.94	91.21	-5,733.05	3,433.22	6,889.76	6,851.46	38.30	179.878		
4,100.00	3,674.13	4,100.00	2,384.40	31.97	18.57	91.71	-5,750.15	3,443.78	6,914.79	6,868.43	46.36	149.147		
4,200.00	3,754.77	2,514.78	2,480.86	33.19	10.92	92.18	-5,765.50	3,453.73	6,939.58	6,898.17	41.41	167.577		
4,300.00	3,835.41	2,555.00	2,520.36	34.40	11.11	92.38	-5,771.95	3,457.70	6,965.09	6,922.42	42.67	163.240		
4,400.00	3,916.05	2,555.00	2,520.36	35.62	11.11	92.38	-5,771.95	3,457.70	6,991.70	6,947.98	43.72	159.928		
4,500.00	3,996.69	2,603.67	2,568.07	36.83	11.36	92.61	-5,780.30	3,462.49	7,019.08	6,974.08	45.00	155.975		
4,600.00	4,077.33	2,643.00	2,606.51	38.05	11.55	92.80	-5,787.61	3,466.40	7,047.69	7,001.46	46.23	152.445		
4,700.00	4,157.96	2,822.50	2,782.16	39.27	12.45	93.66	-5,819.86	3,484.45	7,076.63	7,028.45	48.18	146.887		
4,800.00	4,238.60	2,872.52	2,831.16	40.49	12.70	93.89	-5,828.41	3,489.81	7,105.21	7,055.75	49.46	143.659		
4,900.00	4,319.24	2,926.11	2,883.59	41.71	12.97	94.14	-5,837.71	3,495.73	7,134.48	7,083.73	50.75	140.571		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ SEARS 4-4-26 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 73-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	4,399.88	2,978.60	2,934.93	42.93	13.23	94.38	-5,847.02	3,501.54	7,164.43	7,112.40	52.04	137.679		
5,100.00	4,480.52	3,100.38	3,054.10	44.15	13.84	94.95	-5,869.00	3,513.48	7,194.81	7,141.13	53.68	134.031		
5,200.00	4,561.16	3,210.79	3,162.37	45.37	14.39	95.47	-5,888.39	3,523.12	7,224.91	7,169.65	55.26	130.753		
5,300.00	4,641.80	3,290.51	3,240.53	46.59	14.78	95.84	-5,902.27	3,530.47	7,255.42	7,198.75	56.67	128.032		
5,400.00	4,722.44	3,379.97	3,328.26	47.82	15.22	96.25	-5,917.69	3,538.75	7,286.18	7,228.05	58.13	125.345		
5,500.00	4,803.08	3,473.43	3,419.99	49.04	15.67	96.69	-5,934.04	3,546.05	7,317.29	7,257.69	59.60	122.766		
5,600.00	4,883.72	3,568.51	3,513.27	50.27	16.14	97.12	-5,949.93	3,555.33	7,348.51	7,287.42	61.09	120.292		
5,700.00	4,964.36	3,649.34	3,592.56	51.49	16.53	97.48	-5,963.38	3,563.35	7,380.05	7,317.56	62.49	118.091		
5,800.00	5,045.00	3,881.25	3,820.73	52.71	17.63	98.52	-5,999.70	3,583.34	7,410.69	7,345.99	64.70	114.548		
5,900.00	5,125.64	3,960.18	3,898.51	53.94	18.00	98.87	-6,011.49	3,589.73	7,441.32	7,375.25	66.08	112.614		
6,000.00	5,206.28	4,006.12	3,943.74	55.17	18.22	99.07	-6,018.39	3,593.92	7,472.53	7,405.24	67.29	111.055		
6,100.00	5,286.92	4,075.73	4,012.20	56.39	18.55	99.37	-6,029.01	3,600.69	7,504.37	7,435.75	68.62	109.366		
6,200.00	5,367.56	4,127.00	4,062.63	57.62	18.79	99.59	-6,036.76	3,605.67	7,536.54	7,466.70	69.84	107.909		
6,300.00	5,448.20	5,167.24	5,094.68	58.84	23.00	104.16	-6,144.97	3,656.72	7,568.19	7,492.55	75.65	100.045		
6,400.00	5,528.84	5,425.27	5,352.56	60.07	23.81	105.30	-6,152.82	3,658.69	7,590.16	7,512.53	77.64	97.767		
6,500.00	5,609.47	5,566.20	5,493.46	61.30	24.22	105.93	-6,155.39	3,657.23	7,611.50	7,532.34	79.16	96.152		
6,600.00	5,690.11	5,896.09	5,823.23	62.53	25.09	107.42	-6,155.57	3,648.82	7,631.97	7,550.77	81.20	93.989		
6,700.00	5,770.75	5,982.43	5,909.52	63.75	25.31	107.80	-6,154.05	3,646.66	7,651.17	7,568.66	82.51	92.734		
6,800.00	5,851.39	6,070.15	5,997.21	64.98	25.53	108.19	-6,152.40	3,644.63	7,670.71	7,586.90	83.81	91.525		
6,900.00	5,932.03	6,161.37	6,088.39	66.21	25.76	108.59	-6,150.53	3,642.78	7,690.58	7,605.46	85.12	90.352		
7,000.00	6,012.67	6,255.92	6,182.90	67.44	26.00	109.00	-6,148.42	3,641.16	7,710.73	7,624.30	86.43	89.214		
7,100.00	6,093.31	6,356.05	6,282.98	68.66	26.26	109.43	-6,145.94	3,639.54	7,731.10	7,643.35	87.75	88.102		
7,200.00	6,173.95	6,434.09	6,360.98	69.89	26.46	109.77	-6,143.87	3,638.34	7,751.73	7,662.73	89.01	87.093		
7,300.00	6,254.59	6,497.58	6,424.45	71.12	26.62	110.04	-6,142.28	3,637.57	7,772.91	7,682.70	90.21	86.163		
7,400.00	6,335.23	6,561.28	6,488.13	72.35	26.79	110.31	-6,140.81	3,637.03	7,794.66	7,703.25	91.41	85.270		
7,500.00	6,415.87	6,641.34	6,568.17	73.58	27.01	110.64	-6,139.04	3,636.72	7,816.89	7,724.24	92.66	84.363		
7,600.00	6,496.51	6,724.99	6,651.80	74.81	27.23	110.99	-6,137.14	3,636.92	7,839.48	7,745.57	93.91	83.479		
7,700.00	6,577.15	6,804.66	6,731.45	76.04	27.46	111.31	-6,135.29	3,637.51	7,862.42	7,767.27	95.15	82.635		
7,800.00	6,657.79	6,882.92	6,809.69	77.27	27.67	111.63	-6,133.50	3,638.18	7,885.75	7,789.38	96.37	81.825		
7,900.00	6,738.43	6,961.14	6,887.88	78.50	27.90	111.95	-6,131.74	3,638.93	7,909.47	7,811.87	97.59	81.044		
8,000.00	6,819.07	7,039.29	6,966.01	79.73	28.12	112.26	-6,130.02	3,639.75	7,933.57	7,834.76	98.81	80.292		
8,100.00	6,899.71	7,117.26	7,043.95	80.96	28.34	112.57	-6,128.34	3,640.63	7,958.05	7,858.03	100.02	79.567		
8,200.00	6,980.35	7,194.66	7,121.33	82.18	28.56	112.88	-6,126.70	3,641.58	7,982.91	7,881.69	101.22	78.869		
8,240.58	7,013.07	7,226.09	7,152.75	82.68	28.66	113.00	-6,126.05	3,641.98	7,993.11	7,891.40	101.70	78.593		
8,250.00	7,020.68	7,233.40	7,160.06	82.80	28.68	111.84	-6,125.90	3,642.08	7,995.41	7,893.59	101.81	78.529		
8,300.00	7,061.63	7,272.95	7,199.60	83.40	28.79	105.26	-6,125.09	3,642.61	8,005.15	7,902.73	102.42	78.160		
8,350.00	7,103.23	7,316.64	7,243.28	83.97	28.92	98.10	-6,124.20	3,643.12	8,010.66	7,907.62	103.04	77.742		
8,400.00	7,145.18	7,360.41	7,287.04	84.51	29.04	90.59	-6,123.30	3,643.48	8,011.91	7,908.25	103.66	77.289		
8,450.00	7,187.16	7,403.94	7,330.55	85.01	29.17	83.05	-6,122.40	3,643.70	8,008.88	7,904.60	104.27	76.807		
8,500.00	7,228.84	7,446.88	7,373.48	85.46	29.29	75.81	-6,121.50	3,643.77	8,001.59	7,896.72	104.87	76.303		
8,550.00	7,269.91	7,484.12	7,410.71	85.86	29.40	69.12	-6,120.73	3,643.76	7,990.11	7,884.69	105.42	75.792		
8,600.00	7,310.05	7,520.72	7,447.31	86.20	29.50	63.15	-6,119.99	3,643.73	7,974.54	7,868.59	105.95	75.267		
8,650.00	7,348.97	7,556.11	7,482.69	86.50	29.61	57.97	-6,119.28	3,643.69	7,954.99	7,848.54	106.45	74.730		
8,700.00	7,386.36	7,590.01	7,516.59	86.74	29.70	53.56	-6,118.62	3,643.62	7,931.59	7,824.68	106.91	74.186		
8,750.00	7,421.94	7,622.19	7,548.76	86.93	29.80	49.86	-6,118.00	3,643.55	7,904.51	7,797.17	107.34	73.638		
8,800.00	7,455.44	7,652.58	7,579.14	87.07	29.88	46.81	-6,117.43	3,643.49	7,873.95	7,766.21	107.74	73.086		
8,850.00	7,486.61	7,680.80	7,607.36	87.16	29.97	44.32	-6,116.91	3,643.46	7,840.12	7,732.03	108.09	72.534		
8,900.00	7,515.20	7,706.65	7,633.21	87.20	30.04	42.36	-6,116.44	3,643.46	7,803.27	7,694.87	108.40	71.984		
8,950.00	7,541.00	7,729.91	7,656.46	87.21	30.11	40.87	-6,116.02	3,643.48	7,763.67	7,654.99	108.68	71.438		
9,000.00	7,563.81	7,750.40	7,676.95	87.17	30.17	39.84	-6,115.66	3,643.51	7,721.60	7,612.69	108.91	70.899		
9,050.00	7,583.47	7,767.95	7,694.49	87.10	30.22	39.31	-6,115.35	3,643.55	7,677.37	7,568.26	109.11	70.366		
9,100.00	7,599.81	7,782.41	7,708.96	87.00	30.26	39.38	-6,115.10	3,643.59	7,631.30	7,522.04	109.26	69.843		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 73-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,150.00	7,612.72	7,793.73	7,720.27	86.88	30.30	40.34	-6,114.91	3,643.62	7,583.74	7,474.35	109.38	69.331		
9,200.00	7,622.09	7,802.28	7,728.82	86.72	30.32	43.09	-6,114.76	3,643.65	7,535.03	7,425.56	109.47	68.830		
9,250.00	7,627.87	7,807.21	7,733.75	86.55	30.34	51.60	-6,114.68	3,643.67	7,485.54	7,376.01	109.53	68.343		
9,303.98	7,630.00	7,808.43	7,734.97	86.35	30.34	122.47	-6,114.65	3,643.67	7,431.67	7,322.12	109.56	67.835		
9,400.00	7,630.00	7,806.78	7,733.32	85.99	30.34	122.14	-6,114.68	3,643.67	7,335.70	7,226.13	109.57	66.950		
9,500.00	7,630.00	7,805.07	7,731.61	85.62	30.33	121.79	-6,114.71	3,643.66	7,235.75	7,126.17	109.59	66.028		
9,600.00	7,630.00	7,803.36	7,729.90	85.28	30.32	121.43	-6,114.74	3,643.66	7,135.81	7,026.20	109.60	65.106		
9,700.00	7,630.00	7,801.65	7,728.19	84.95	30.32	121.07	-6,114.77	3,643.65	7,035.86	6,926.24	109.62	64.183		
9,800.00	7,630.00	7,799.93	7,726.47	84.64	30.31	120.71	-6,114.80	3,643.64	6,935.92	6,826.28	109.64	63.260		
9,900.00	7,630.00	7,798.22	7,724.76	84.34	30.31	120.35	-6,114.83	3,643.64	6,835.98	6,726.31	109.66	62.337		
10,000.00	7,630.00	7,796.51	7,723.05	84.06	30.30	119.99	-6,114.86	3,643.63	6,736.03	6,626.35	109.68	61.414		
10,100.00	7,630.00	7,794.80	7,721.34	83.80	30.30	119.62	-6,114.89	3,643.63	6,636.09	6,526.39	109.71	60.490		
10,200.00	7,630.00	7,793.08	7,719.63	83.56	30.29	119.25	-6,114.92	3,643.62	6,536.16	6,426.43	109.73	59.566		
10,300.00	7,630.00	7,791.46	7,718.01	83.33	30.29	118.89	-6,114.95	3,643.62	6,436.22	6,326.46	109.76	58.642		
10,400.00	7,630.00	7,789.85	7,716.39	83.12	30.29	118.54	-6,114.97	3,643.61	6,336.28	6,226.50	109.78	57.717		
10,500.00	7,630.00	7,788.23	7,714.77	82.92	30.28	118.18	-6,115.00	3,643.61	6,236.35	6,126.54	109.81	56.792		
10,600.00	7,630.00	7,786.61	7,713.15	82.75	30.28	117.82	-6,115.03	3,643.60	6,136.42	6,026.58	109.84	55.867		
10,700.00	7,630.00	7,784.98	7,711.52	82.59	30.27	117.46	-6,115.06	3,643.60	6,036.49	5,926.62	109.87	54.942		
10,800.00	7,630.00	7,783.35	7,709.89	82.45	30.27	117.09	-6,115.08	3,643.59	5,936.56	5,826.66	109.90	54.017		
10,900.00	7,630.00	7,781.72	7,708.26	82.33	30.26	116.72	-6,115.11	3,643.59	5,836.63	5,726.70	109.94	53.091		
11,000.00	7,630.00	7,780.08	7,706.63	82.22	30.26	116.35	-6,115.14	3,643.58	5,736.71	5,626.74	109.97	52.165		
11,100.00	7,630.00	7,778.44	7,704.99	82.14	30.25	115.97	-6,115.17	3,643.58	5,636.79	5,526.78	110.01	51.239		
11,200.00	7,630.00	7,776.80	7,703.34	82.08	30.25	115.59	-6,115.20	3,643.57	5,536.87	5,426.82	110.05	50.313		
11,300.00	7,630.00	7,775.15	7,701.70	82.04	30.24	115.21	-6,115.23	3,643.57	5,436.95	5,326.86	110.09	49.387		
11,400.00	7,630.00	7,773.50	7,700.05	82.02	30.24	114.82	-6,115.26	3,643.56	5,337.03	5,226.90	110.13	48.461		
11,500.00	7,630.00	7,771.85	7,698.40	82.03	30.23	114.43	-6,115.28	3,643.56	5,237.12	5,126.95	110.18	47.535		
11,600.00	7,630.00	7,770.19	7,696.74	82.06	30.23	114.04	-6,115.31	3,643.55	5,137.21	5,026.99	110.22	46.608		
11,700.00	7,630.00	7,768.53	7,695.08	82.12	30.22	113.64	-6,115.34	3,643.55	5,037.30	4,927.03	110.27	45.681		
11,800.00	7,630.00	7,766.87	7,693.42	82.21	30.22	113.24	-6,115.37	3,643.55	4,937.40	4,827.08	110.32	44.755		
11,900.00	7,630.00	7,765.20	7,691.75	82.33	30.21	112.84	-6,115.40	3,643.54	4,837.50	4,727.13	110.37	43.828		
12,000.00	7,630.00	7,763.53	7,690.08	82.48	30.21	112.44	-6,115.43	3,643.54	4,737.60	4,627.17	110.43	42.901		
12,100.00	7,630.00	7,761.86	7,688.41	82.66	30.20	112.03	-6,115.46	3,643.53	4,637.71	4,527.22	110.49	41.974		
12,200.00	7,630.00	7,760.18	7,686.73	82.88	30.20	111.62	-6,115.49	3,643.53	4,537.82	4,427.27	110.55	41.047		
12,300.00	7,630.00	7,758.50	7,685.05	83.14	30.19	111.20	-6,115.52	3,643.53	4,437.94	4,327.32	110.62	40.120		
12,400.00	7,630.00	7,756.82	7,683.37	83.44	30.19	110.78	-6,115.55	3,643.52	4,338.06	4,227.38	110.68	39.193		
12,500.00	7,630.00	7,755.13	7,681.68	83.79	30.18	110.36	-6,115.58	3,643.52	4,238.19	4,127.43	110.75	38.266		
12,600.00	7,630.00	7,753.44	7,679.99	84.18	30.18	109.94	-6,115.61	3,643.52	4,138.32	4,027.49	110.83	37.339		
12,700.00	7,630.00	7,751.75	7,678.29	84.61	30.17	109.51	-6,115.63	3,643.51	4,038.45	3,927.55	110.91	36.412		
12,800.00	7,630.00	7,750.05	7,676.60	85.10	30.17	109.08	-6,115.66	3,643.51	3,938.60	3,827.61	110.99	35.486		
12,900.00	7,630.00	7,748.35	7,674.90	85.64	30.16	108.64	-6,115.69	3,643.51	3,838.75	3,727.67	111.08	34.559		
13,000.00	7,630.00	7,746.64	7,673.19	86.22	30.16	108.21	-6,115.72	3,643.50	3,738.90	3,627.73	111.17	33.632		
13,100.00	7,630.00	7,744.93	7,671.48	86.86	30.15	107.77	-6,115.75	3,643.50	3,639.07	3,527.80	111.27	32.705		
13,200.00	7,630.00	7,743.22	7,669.77	87.56	30.15	107.32	-6,115.79	3,643.50	3,539.24	3,427.87	111.37	31.778		
13,300.00	7,630.00	7,741.50	7,668.05	88.30	30.14	106.88	-6,115.82	3,643.49	3,439.42	3,327.94	111.48	30.852		
13,400.00	7,630.00	7,739.78	7,666.34	89.10	30.14	106.43	-6,115.85	3,643.49	3,339.62	3,228.02	111.60	29.925		
13,500.00	7,630.00	7,738.06	7,664.61	89.94	30.13	105.97	-6,115.88	3,643.49	3,239.82	3,128.10	111.72	28.999		
13,600.00	7,630.00	7,736.34	7,662.89	90.84	30.13	105.52	-6,115.91	3,643.49	3,140.03	3,028.18	111.85	28.073		
13,700.00	7,630.00	7,734.61	7,661.16	91.78	30.12	105.06	-6,115.94	3,643.48	3,040.26	2,928.27	111.99	27.147		
13,800.00	7,630.00	7,732.87	7,659.42	92.77	30.12	104.60	-6,115.97	3,643.48	2,940.51	2,828.36	112.14	26.221		
13,900.00	7,630.00	7,731.13	7,657.69	93.79	30.11	104.13	-6,116.00	3,643.48	2,840.76	2,728.46	112.30	25.296		
14,000.00	7,630.00	7,729.39	7,655.94	94.86	30.11	103.67	-6,116.03	3,643.48	2,741.04	2,628.57	112.47	24.370		
14,100.00	7,630.00	7,727.65	7,654.20	95.97	30.10	103.20	-6,116.06	3,643.47	2,641.34	2,528.68	112.66	23.445		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST HZ SEARS 4-4-26 - OWB - FINAL SURVEY													Offset Site Error: 0.00 usft	
Survey Program: 73-MWD OWSG													Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,630.00	7,725.90	7,652.45	97.11	30.10	102.73	-6,116.09	3,643.47	2,541.66	2,428.80	112.86	22.521		
14,300.00	7,630.00	7,724.15	7,650.70	98.28	30.09	102.25	-6,116.12	3,643.47	2,442.00	2,328.92	113.07	21.596		
14,400.00	7,630.00	7,722.39	7,648.94	99.48	30.09	101.77	-6,116.16	3,643.47	2,342.37	2,229.06	113.31	20.672		
14,500.00	7,630.00	7,720.63	7,647.19	100.72	30.08	101.29	-6,116.19	3,643.47	2,242.77	2,129.21	113.56	19.749		
14,600.00	7,630.00	7,718.87	7,645.42	101.97	30.08	100.81	-6,116.22	3,643.47	2,143.21	2,029.37	113.84	18.826		
14,700.00	7,630.00	7,717.10	7,643.66	103.26	30.07	100.32	-6,116.25	3,643.47	2,043.69	1,929.54	114.15	17.904		
14,800.00	7,630.00	7,715.33	7,641.88	104.56	30.07	99.83	-6,116.28	3,643.46	1,944.22	1,829.73	114.49	16.982		
14,900.00	7,630.00	7,713.56	7,640.11	105.89	30.06	99.34	-6,116.31	3,643.46	1,844.80	1,729.94	114.86	16.061		
15,000.00	7,630.00	7,711.78	7,638.33	107.24	30.06	98.85	-6,116.35	3,643.46	1,745.45	1,630.17	115.28	15.141		
15,100.00	7,630.00	7,710.00	7,636.55	108.60	30.05	98.35	-6,116.38	3,643.46	1,646.17	1,530.42	115.75	14.222		
15,200.00	7,630.00	7,708.21	7,634.76	109.98	30.05	97.85	-6,116.41	3,643.46	1,546.99	1,430.71	116.27	13.305		
15,300.00	7,630.00	7,706.42	7,632.98	111.38	30.04	97.35	-6,116.44	3,643.46	1,447.91	1,331.03	116.88	12.388		
15,400.00	7,630.00	7,704.63	7,631.18	112.79	30.04	96.85	-6,116.48	3,643.46	1,348.97	1,231.40	117.57	11.474		
15,500.00	7,630.00	7,702.83	7,629.39	114.22	30.03	96.35	-6,116.51	3,643.46	1,250.19	1,131.83	118.37	10.562		
15,600.00	7,630.00	7,701.03	7,627.58	115.66	30.03	95.84	-6,116.54	3,643.46	1,151.63	1,032.32	119.31	9.653		
15,700.00	7,630.00	7,699.22	7,625.78	117.11	30.02	95.33	-6,116.57	3,643.46	1,053.33	932.90	120.43	8.747		
15,800.00	7,630.00	7,697.41	7,623.97	118.57	30.02	94.82	-6,116.61	3,643.46	955.38	833.61	121.77	7.846		
15,900.00	7,630.00	7,695.60	7,622.16	120.05	30.01	94.31	-6,116.64	3,643.46	857.90	734.47	123.43	6.951		
16,000.00	7,630.00	7,693.78	7,620.34	121.53	30.00	93.79	-6,116.67	3,643.46	761.07	635.57	125.49	6.065		
16,100.00	7,630.00	7,691.96	7,618.52	123.03	30.00	93.28	-6,116.71	3,643.46	665.17	537.03	128.14	5.191		
16,200.00	7,630.00	7,690.14	7,616.70	124.53	29.99	92.76	-6,116.74	3,643.46	570.68	439.06	131.62	4.336		
16,300.00	7,630.00	7,688.31	7,614.87	126.04	29.99	92.24	-6,116.77	3,643.46	478.42	342.13	136.29	3.510		
16,400.00	7,630.00	7,686.48	7,613.04	127.56	29.98	91.72	-6,116.81	3,643.46	389.99	247.32	142.67	2.733		
16,500.00	7,630.00	7,684.64	7,611.20	129.09	29.98	91.20	-6,116.84	3,643.46	308.70	157.62	151.08	2.043		
16,600.00	7,630.00	7,682.80	7,609.36	130.62	29.97	90.67	-6,116.87	3,643.46	241.85	82.17	159.68	1.515		
16,700.00	7,630.00	7,680.96	7,607.52	132.16	29.97	90.15	-6,116.91	3,643.46	204.15	45.59	158.56	1.288	Level 3, ES, SF	
16,734.09	7,630.00	7,680.33	7,606.89	132.69	29.97	89.97	-6,116.92	3,643.46	201.28	48.02	153.27	1.313	Level 3, CC	
16,800.00	7,630.00	7,679.11	7,605.67	133.71	29.96	89.62	-6,116.94	3,643.46	211.80	74.66	137.13	1.544		
16,900.00	7,630.00	7,677.25	7,603.82	135.27	29.96	89.09	-6,116.97	3,643.46	260.83	147.88	112.95	2.309		
17,000.00	7,630.00	7,675.40	7,601.96	136.83	29.95	88.57	-6,117.01	3,643.46	333.46	233.24	100.23	3.327		
17,100.00	7,630.00	7,673.54	7,600.10	138.39	29.95	88.04	-6,117.04	3,643.46	417.56	321.85	95.71	4.363		
17,200.00	7,630.00	7,671.67	7,598.23	139.97	29.94	87.51	-6,117.08	3,643.47	507.46	412.69	94.77	5.355		
17,300.00	7,630.00	7,669.80	7,596.37	141.54	29.94	86.98	-6,117.11	3,643.47	600.55	505.41	95.14	6.312		
17,400.00	7,630.00	7,667.93	7,594.49	143.12	29.93	86.44	-6,117.15	3,643.47	695.56	599.61	95.94	7.250		
17,500.00	7,630.00	7,666.05	7,592.62	144.71	29.92	85.91	-6,117.18	3,643.47	791.79	694.95	96.84	8.176		
17,600.00	7,630.00	7,664.17	7,590.74	146.30	29.92	85.38	-6,117.22	3,643.47	888.85	791.15	97.70	9.098		
17,700.00	7,630.00	7,662.29	7,588.85	147.90	29.91	84.85	-6,117.25	3,643.48	986.50	888.00	98.50	10.016		
17,800.00	7,630.00	7,660.40	7,586.96	149.50	29.91	84.31	-6,117.29	3,643.48	1,084.57	985.36	99.21	10.932		
17,900.00	7,630.00	7,658.51	7,585.07	151.10	29.90	83.78	-6,117.32	3,643.48	1,182.96	1,083.11	99.85	11.847		
18,000.00	7,630.00	7,656.61	7,583.17	152.71	29.90	83.25	-6,117.36	3,643.48	1,281.60	1,181.17	100.42	12.762		
18,100.00	7,630.00	7,654.71	7,581.27	154.32	29.89	82.71	-6,117.39	3,643.48	1,380.43	1,279.49	100.94	13.676		
18,200.00	7,630.00	7,652.80	7,579.37	155.94	29.89	82.18	-6,117.43	3,643.49	1,479.41	1,378.02	101.40	14.590		
18,300.00	7,630.00	7,650.89	7,577.46	157.56	29.88	81.65	-6,117.46	3,643.49	1,578.53	1,476.71	101.81	15.504		
18,400.00	7,630.00	7,648.98	7,575.54	159.18	29.87	81.12	-6,117.50	3,643.49	1,677.74	1,575.55	102.19	16.418		
18,500.00	7,630.00	7,647.06	7,573.62	160.80	29.87	80.58	-6,117.53	3,643.50	1,777.04	1,674.50	102.54	17.331		
18,600.00	7,630.00	7,645.14	7,571.70	162.43	29.86	80.05	-6,117.57	3,643.50	1,876.41	1,773.56	102.85	18.244		
18,700.00	7,630.00	7,643.21	7,569.78	164.06	29.86	79.52	-6,117.61	3,643.50	1,975.85	1,872.71	103.14	19.157		
18,800.00	7,630.00	7,641.28	7,567.84	165.70	29.85	78.99	-6,117.64	3,643.51	2,075.34	1,971.93	103.41	20.069		
18,900.00	7,630.00	7,639.34	7,565.91	167.33	29.85	78.46	-6,117.68	3,643.51	2,174.87	2,071.21	103.66	20.982		
19,000.00	7,630.00	7,637.40	7,563.97	168.97	29.84	77.93	-6,117.72	3,643.51	2,274.44	2,170.55	103.89	21.894		
19,021.79	7,630.00	7,636.98	7,563.55	169.33	29.84	77.81	-6,117.72	3,643.51	2,296.14	2,192.21	103.93	22.092		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST VERT ALAUX 26-5 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 100-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	161.60	-5,370.27	1,786.80	5,659.75					
100.00	100.00	66.54	66.54	0.13	0.11	161.60	-5,370.40	1,786.75	5,659.87	5,659.63	0.24	N/A		
200.00	200.00	174.00	174.00	0.49	0.42	161.60	-5,370.86	1,786.61	5,660.24	5,659.32	0.91	6,198.265		
300.00	300.00	315.08	315.08	0.85	0.91	161.60	-5,370.63	1,786.50	5,660.05	5,658.29	1.76	3,215.817		
400.00	400.00	421.16	421.15	1.21	1.28	161.60	-5,369.97	1,786.51	5,659.46	5,656.98	2.48	2,277.453		
500.00	500.00	574.36	574.34	1.57	1.81	161.59	-5,368.34	1,787.09	5,658.69	5,655.31	3.38	1,672.794		
600.00	600.00	669.50	669.46	1.93	2.15	161.57	-5,366.39	1,787.82	5,656.99	5,652.92	4.08	1,386.974		
700.00	700.00	755.22	755.17	2.29	2.46	161.56	-5,364.95	1,788.54	5,655.66	5,650.92	4.74	1,192.630		
800.00	799.98	846.45	846.38	2.64	2.78	99.80	-5,363.57	1,789.33	5,654.79	5,649.37	5.42	1,042.998		
863.72	863.63	903.81	903.73	2.87	2.99	99.82	-5,362.74	1,789.95	5,654.63	5,648.78	5.85	966.337		
900.00	899.84	924.09	924.01	2.99	3.06	99.83	-5,362.48	1,790.19	5,654.73	5,648.68	6.05	934.371		
1,000.00	999.45	983.47	983.38	3.35	3.27	99.85	-5,361.99	1,791.03	5,655.89	5,649.26	6.62	853.893		
1,100.00	1,098.70	1,059.93	1,059.83	3.73	3.54	99.88	-5,361.78	1,792.36	5,658.25	5,650.99	7.27	778.681		
1,200.00	1,197.47	1,160.42	1,160.30	4.11	3.90	99.96	-5,361.65	1,794.32	5,661.47	5,653.46	8.01	706.713		
1,300.00	1,295.62	1,279.74	1,279.61	4.53	4.32	100.10	-5,361.46	1,795.71	5,665.07	5,656.22	8.85	640.432		
1,400.00	1,393.06	1,370.67	1,370.54	4.97	4.64	100.22	-5,361.37	1,796.06	5,669.17	5,659.57	9.60	590.400		
1,500.00	1,489.64	1,472.69	1,472.57	5.44	4.99	100.38	-5,361.51	1,796.08	5,674.10	5,663.67	10.42	544.380		
1,600.00	1,585.27	1,592.50	1,592.38	5.95	5.40	100.63	-5,361.35	1,795.95	5,679.50	5,668.15	11.35	500.584		
1,700.00	1,679.82	1,685.51	1,685.38	6.51	5.72	100.81	-5,361.02	1,795.80	5,685.48	5,673.25	12.23	465.062		
1,800.00	1,773.17	1,771.93	1,771.80	7.13	6.02	100.98	-5,360.85	1,795.42	5,692.39	5,679.26	13.13	433.649		
1,900.00	1,865.21	1,914.00	1,913.86	7.79	6.51	101.40	-5,360.41	1,793.73	5,699.93	5,685.66	14.27	399.373		
2,000.00	1,955.84	1,989.71	1,989.56	8.51	6.78	101.56	-5,359.97	1,792.53	5,708.10	5,692.85	15.24	374.431		
2,100.00	2,044.94	2,076.10	2,075.93	9.30	7.08	101.78	-5,359.66	1,791.01	5,717.45	5,701.13	16.31	350.505		
2,200.00	2,132.39	2,165.39	2,165.20	10.15	7.39	102.02	-5,359.40	1,789.16	5,727.88	5,710.43	17.45	328.253		
2,300.00	2,218.11	2,252.35	2,252.15	11.07	7.69	102.24	-5,359.10	1,787.37	5,739.44	5,720.80	18.64	307.897		
2,400.00	2,301.97	2,339.57	2,339.35	12.06	8.00	102.47	-5,358.77	1,785.55	5,752.19	5,732.29	19.90	289.122		
2,500.00	2,383.88	2,436.12	2,435.87	13.11	8.34	102.76	-5,358.32	1,783.29	5,766.11	5,744.86	21.25	271.402		
2,512.74	2,394.17	2,450.16	2,449.90	13.25	8.39	102.81	-5,358.23	1,782.90	5,767.95	5,746.53	21.43	269.178		
2,600.00	2,464.54	2,523.94	2,523.64	14.22	8.64	103.25	-5,357.75	1,780.55	5,780.80	5,758.19	22.61	255.691		
2,700.00	2,545.18	2,581.65	2,581.33	15.35	8.85	103.60	-5,357.45	1,778.97	5,796.28	5,772.40	23.88	242.749		
2,800.00	2,625.82	2,633.69	2,633.35	16.50	9.03	103.90	-5,357.33	1,777.86	5,812.67	5,787.54	25.13	231.271		
2,900.00	2,706.45	2,682.91	2,682.57	17.65	9.20	104.19	-5,357.45	1,776.91	5,830.05	5,803.67	26.38	220.978		
3,000.00	2,787.09	2,775.83	2,775.48	18.82	9.53	104.74	-5,357.89	1,775.36	5,848.23	5,820.44	27.79	210.423		
3,100.00	2,867.73	3,018.50	3,018.09	19.99	10.39	106.13	-5,354.66	1,772.62	5,865.51	5,835.77	29.75	197.186		
3,200.00	2,948.37	3,080.00	3,079.58	21.17	10.61	106.48	-5,353.20	1,772.00	5,882.60	5,851.55	31.05	189.464		
3,300.00	3,029.01	3,140.65	3,140.21	22.36	10.82	106.82	-5,351.88	1,771.18	5,900.39	5,868.04	32.35	182.417		
3,400.00	3,109.65	3,200.00	3,199.54	23.55	11.03	107.16	-5,350.88	1,770.18	5,919.04	5,885.41	33.63	175.983		
3,500.00	3,190.29	3,246.96	3,246.48	24.74	11.20	107.43	-5,350.33	1,769.13	5,938.60	5,903.73	34.87	170.295		
3,600.00	3,270.93	3,300.00	3,299.50	25.94	11.39	107.74	-5,350.05	1,767.51	5,959.11	5,922.99	36.13	164.952		
3,700.00	3,351.57	3,410.50	3,409.92	27.14	11.78	108.38	-5,349.43	1,763.43	5,980.12	5,942.54	37.59	159.109		
3,800.00	3,432.21	3,474.59	3,473.96	28.35	12.01	108.75	-5,348.99	1,760.98	6,001.58	5,962.71	38.87	154.408		
3,900.00	3,512.85	3,557.55	3,556.87	29.56	12.31	109.23	-5,348.53	1,757.93	6,023.71	5,983.50	40.21	149.790		
4,000.00	3,593.49	3,646.99	3,646.26	30.76	12.63	109.73	-5,347.81	1,755.13	6,046.22	6,004.64	41.58	145.416		
4,100.00	3,674.13	3,728.93	3,728.17	31.97	12.92	110.19	-5,347.02	1,753.22	6,069.18	6,026.27	42.91	141.441		
4,200.00	3,754.77	3,805.99	3,805.21	33.19	13.19	110.62	-5,346.27	1,751.63	6,092.66	6,048.44	44.22	137.795		
4,300.00	3,835.41	3,874.49	3,873.71	34.40	13.43	110.99	-5,345.65	1,751.06	6,116.74	6,071.26	45.48	134.497		
4,400.00	3,916.05	3,964.30	3,963.51	35.62	13.75	111.46	-5,344.81	1,751.66	6,141.35	6,094.54	46.81	131.185		
4,500.00	3,996.69	4,048.50	4,047.70	36.83	14.04	111.90	-5,343.88	1,751.96	6,166.26	6,118.14	48.12	128.135		
4,600.00	4,077.33	4,130.53	4,129.73	38.05	14.33	112.34	-5,343.04	1,751.68	6,191.66	6,142.25	49.42	125.292		
4,700.00	4,157.96	4,246.57	4,245.75	39.27	14.75	112.95	-5,341.55	1,750.71	6,217.34	6,166.50	50.83	122.305		
4,800.00	4,238.60	4,424.85	4,423.94	40.49	15.39	113.90	-5,337.13	1,747.20	6,242.40	6,189.93	52.47	118.970		
4,900.00	4,319.24	4,495.58	4,494.63	41.71	15.64	114.26	-5,334.93	1,746.48	6,267.49	6,213.79	53.70	116.711		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST VERT ALAUX 26-5 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 100-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	4,399.88	4,598.57	4,597.57	42.93	16.00	114.79	-5,331.64	1,746.18	6,292.97	6,237.92	55.04	114.330		
5,100.00	4,480.52	4,774.81	4,773.64	44.15	16.63	115.68	-5,324.12	1,745.82	6,317.87	6,261.23	56.64	111.543		
5,200.00	4,561.16	4,846.86	4,845.61	45.37	16.89	116.04	-5,320.59	1,745.09	6,342.83	6,284.97	57.85	109.637		
5,300.00	4,641.80	4,900.00	4,898.69	46.59	17.08	116.31	-5,318.14	1,744.43	6,368.48	6,309.49	58.99	107.963		
5,400.00	4,722.44	4,960.75	4,959.38	47.82	17.29	116.62	-5,315.58	1,743.58	6,394.87	6,334.73	60.14	106.332		
5,500.00	4,803.08	5,000.00	4,998.59	49.04	17.43	116.82	-5,314.06	1,742.97	6,422.05	6,360.85	61.20	104.929		
5,600.00	4,883.72	5,040.09	5,038.65	50.27	17.58	117.02	-5,312.77	1,742.27	6,450.17	6,387.91	62.26	103.604		
5,700.00	4,964.36	5,071.10	5,069.65	51.49	17.69	117.18	-5,312.04	1,741.66	6,479.34	6,416.07	63.27	102.415		
5,800.00	5,045.00	5,104.13	5,102.67	52.71	17.81	117.34	-5,311.51	1,740.96	6,509.53	6,445.26	64.27	101.289		
5,900.00	5,125.64	5,171.68	5,170.20	53.94	18.05	117.68	-5,310.72	1,739.58	6,540.48	6,475.09	65.39	100.017		
6,000.00	5,206.28	5,236.15	5,234.66	55.17	18.28	118.00	-5,310.13	1,738.60	6,572.01	6,505.51	66.50	98.831		
6,100.00	5,286.92	5,300.00	5,298.51	56.39	18.50	118.31	-5,309.79	1,738.54	6,604.12	6,536.53	67.59	97.707		
6,200.00	5,367.56	5,402.15	5,400.66	57.62	18.85	118.78	-5,309.31	1,739.46	6,636.58	6,567.75	68.83	96.423		
6,300.00	5,448.20	5,487.29	5,485.79	58.84	19.15	119.18	-5,308.70	1,739.87	6,669.23	6,599.24	69.99	95.285		
6,400.00	5,528.84	5,568.96	5,567.45	60.07	19.55	119.71	-5,307.49	1,739.10	6,702.05	6,630.79	71.26	94.053		
6,500.00	5,609.47	5,657.93	5,656.40	61.30	19.76	119.99	-5,306.73	1,738.14	6,735.15	6,662.85	72.30	93.156		
6,600.00	5,690.11	5,731.53	5,729.98	62.53	20.02	120.35	-5,305.92	1,736.30	6,768.85	6,695.46	73.39	92.232		
6,700.00	5,770.75	5,824.99	5,823.40	63.75	20.36	120.79	-5,304.69	1,734.10	6,802.74	6,728.18	74.55	91.249		
6,800.00	5,851.39	5,885.51	5,883.90	64.98	20.57	121.08	-5,303.98	1,732.71	6,837.09	6,761.52	75.57	90.472		
6,900.00	5,932.03	5,981.56	5,979.93	66.21	20.91	121.53	-5,302.98	1,730.90	6,871.88	6,795.15	76.73	89.560		
7,000.00	6,012.67	6,171.32	6,169.66	67.44	21.59	122.38	-5,299.67	1,730.08	6,906.30	6,828.04	78.27	88.241		
7,100.00	6,093.31	6,242.91	6,241.22	68.66	21.85	122.70	-5,297.81	1,730.14	6,940.28	6,860.96	79.32	87.502		
7,200.00	6,173.95	6,300.00	6,298.30	69.89	22.05	122.95	-5,296.58	1,729.99	6,974.93	6,894.63	80.30	86.864		
7,300.00	6,254.59	6,429.93	6,428.18	71.12	22.51	123.52	-5,293.31	1,729.43	7,009.63	6,928.06	81.57	85.938		
7,400.00	6,335.23	6,497.34	6,495.57	72.35	22.75	123.81	-5,291.61	1,729.83	7,044.52	6,961.94	82.58	85.309		
7,500.00	6,415.87	6,545.93	6,544.15	73.58	22.92	124.01	-5,290.62	1,730.49	7,079.97	6,996.47	83.50	84.790		
7,600.00	6,496.51	6,600.00	6,598.21	74.81	23.11	124.23	-5,289.83	1,731.38	7,116.10	7,031.66	84.44	84.276		
7,700.00	6,577.15	6,729.28	6,727.43	76.04	23.56	124.76	-5,287.50	1,734.23	7,152.07	7,066.38	85.69	83.469		
7,800.00	6,657.79	6,769.43	6,767.57	77.27	23.70	124.92	-5,286.80	1,734.81	7,188.56	7,102.01	86.55	83.055		
7,900.00	6,738.43	6,815.10	6,813.24	78.50	23.86	125.11	-5,286.18	1,735.06	7,225.80	7,138.37	87.43	82.647		
8,000.00	6,819.07	6,881.09	6,879.22	79.73	24.09	125.38	-5,285.49	1,735.41	7,263.57	7,175.19	88.39	82.181		
8,100.00	6,899.71	7,015.37	7,013.49	80.96	24.56	125.92	-5,283.99	1,736.79	7,301.52	7,211.89	89.63	81.463		
8,200.00	6,980.35	7,087.31	7,085.41	82.18	24.81	126.21	-5,283.06	1,737.94	7,339.42	7,248.82	90.60	81.009		
8,240.58	7,013.07	7,119.71	7,117.81	82.68	24.92	126.33	-5,282.66	1,738.53	7,354.88	7,263.87	91.01	80.817		
8,250.00	7,020.68	7,127.23	7,125.32	82.80	24.95	125.09	-5,282.56	1,738.66	7,358.40	7,267.30	91.10	80.772		
8,300.00	7,061.63	7,167.54	7,165.63	83.40	25.09	118.13	-5,282.04	1,739.27	7,374.78	7,283.17	91.61	80.499		
8,350.00	7,103.23	7,200.00	7,198.08	83.97	25.20	110.65	-5,281.60	1,739.67	7,387.17	7,295.06	92.10	80.205		
8,400.00	7,145.18	7,233.41	7,231.48	84.51	25.32	102.92	-5,281.18	1,740.02	7,395.52	7,302.91	92.61	79.858		
8,450.00	7,187.16	7,261.15	7,259.23	85.01	25.42	95.23	-5,280.88	1,740.30	7,399.83	7,306.74	93.09	79.491		
8,500.00	7,228.84	7,288.67	7,286.74	85.46	25.51	87.94	-5,280.65	1,740.56	7,400.06	7,306.49	93.57	79.086		
8,550.00	7,269.91	7,324.50	7,322.56	85.86	25.64	81.33	-5,280.39	1,740.87	7,396.20	7,302.12	94.08	78.618		
8,600.00	7,310.05	7,365.58	7,363.64	86.20	25.78	75.57	-5,280.08	1,741.19	7,388.23	7,293.63	94.60	78.101		
8,650.00	7,348.97	7,405.31	7,403.37	86.50	25.92	70.68	-5,279.77	1,741.47	7,376.21	7,281.11	95.10	77.564		
8,700.00	7,386.36	7,439.77	7,437.83	86.74	26.04	66.65	-5,279.51	1,741.72	7,360.23	7,264.68	95.56	77.024		
8,750.00	7,421.94	7,473.03	7,471.08	86.93	26.16	63.45	-5,279.28	1,741.99	7,340.44	7,244.44	95.99	76.469		
8,800.00	7,455.44	7,504.62	7,502.68	87.07	26.27	61.03	-5,279.08	1,742.27	7,316.97	7,220.57	96.40	75.902		
8,850.00	7,486.61	7,535.48	7,533.54	87.16	26.38	59.36	-5,278.89	1,742.57	7,289.99	7,193.20	96.78	75.323		
8,900.00	7,515.20	7,563.79	7,561.84	87.20	26.47	58.39	-5,278.72	1,742.86	7,259.70	7,162.56	97.13	74.740		
8,950.00	7,541.00	7,589.33	7,587.38	87.21	26.56	58.13	-5,278.58	1,743.13	7,226.31	7,128.87	97.45	74.155		
9,000.00	7,563.81	7,600.00	7,598.05	87.17	26.60	58.52	-5,278.52	1,743.25	7,190.10	7,092.42	97.68	73.610		
9,050.00	7,583.47	7,618.63	7,616.68	87.10	26.66	59.85	-5,278.43	1,743.45	7,151.31	7,053.39	97.92	73.031		
9,100.00	7,599.81	7,628.28	7,626.33	87.00	26.70	62.12	-5,278.40	1,743.55	7,110.23	7,012.13	98.11	72.475		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST VERT ALAUX 26-5 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 100-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,150.00	7,612.72	7,635.92	7,633.97	86.88	26.72	65.69	-5,278.38	1,743.64	7,067.16	6,968.90	98.26	71.920		
9,200.00	7,622.09	7,641.48	7,639.53	86.72	26.74	70.99	-5,278.37	1,743.69	7,022.40	6,924.00	98.40	71.367		
9,250.00	7,627.87	7,644.91	7,642.96	86.55	26.75	78.72	-5,278.37	1,743.73	6,976.27	6,877.76	98.51	70.819		
9,303.98	7,630.00	7,646.16	7,644.20	86.35	26.76	90.80	-5,278.37	1,743.74	6,925.30	6,826.70	98.61	70.232		
9,400.00	7,630.00	7,646.10	7,644.14	85.99	26.76	90.79	-5,278.37	1,743.74	6,833.88	6,735.12	98.76	69.197		
9,500.00	7,630.00	7,646.03	7,644.08	85.62	26.76	90.79	-5,278.37	1,743.74	6,738.81	6,639.88	98.92	68.120		
9,600.00	7,630.00	7,645.96	7,644.01	85.28	26.76	90.79	-5,278.37	1,743.74	6,643.88	6,544.78	99.10	67.044		
9,700.00	7,630.00	7,645.90	7,643.94	84.95	26.76	90.79	-5,278.37	1,743.74	6,549.11	6,449.83	99.28	65.969		
9,800.00	7,630.00	7,645.83	7,643.87	84.64	26.76	90.79	-5,278.37	1,743.74	6,454.49	6,355.02	99.46	64.894		
9,900.00	7,630.00	7,645.76	7,643.80	84.34	26.76	90.78	-5,278.37	1,743.74	6,360.03	6,260.38	99.66	63.820		
10,000.00	7,630.00	7,645.69	7,643.73	84.06	26.76	90.78	-5,278.37	1,743.74	6,265.75	6,165.89	99.86	62.747		
10,100.00	7,630.00	7,645.62	7,643.66	83.80	26.76	90.78	-5,278.37	1,743.74	6,171.65	6,071.58	100.07	61.675		
10,200.00	7,630.00	7,645.55	7,643.59	83.56	26.76	90.78	-5,278.37	1,743.74	6,077.73	5,977.45	100.29	60.604		
10,300.00	7,630.00	7,645.47	7,643.52	83.33	26.76	90.78	-5,278.37	1,743.74	5,984.02	5,883.50	100.51	59.535		
10,400.00	7,630.00	7,645.40	7,643.44	83.12	26.76	90.77	-5,278.37	1,743.74	5,890.51	5,789.76	100.75	58.467		
10,500.00	7,630.00	7,645.32	7,643.37	82.92	26.76	90.77	-5,278.37	1,743.74	5,797.21	5,696.22	101.00	57.400		
10,600.00	7,630.00	7,645.25	7,643.29	82.75	26.76	90.77	-5,278.37	1,743.73	5,704.15	5,602.89	101.25	56.335		
10,700.00	7,630.00	7,645.17	7,643.22	82.59	26.76	90.77	-5,278.37	1,743.73	5,611.32	5,509.80	101.52	55.272		
10,800.00	7,630.00	7,645.09	7,643.14	82.45	26.76	90.77	-5,278.37	1,743.73	5,518.74	5,416.94	101.80	54.211		
10,900.00	7,630.00	7,645.02	7,643.06	82.33	26.76	90.76	-5,278.37	1,743.73	5,426.43	5,324.34	102.09	53.152		
11,000.00	7,630.00	7,644.94	7,642.98	82.22	26.75	90.76	-5,278.37	1,743.73	5,334.39	5,232.00	102.40	52.095		
11,100.00	7,630.00	7,644.86	7,642.90	82.14	26.75	90.76	-5,278.37	1,743.73	5,242.65	5,139.94	102.71	51.041		
11,200.00	7,630.00	7,644.78	7,642.82	82.08	26.75	90.76	-5,278.37	1,743.73	5,151.21	5,048.17	103.05	49.990		
11,300.00	7,630.00	7,644.69	7,642.74	82.04	26.75	90.76	-5,278.37	1,743.73	5,060.10	4,956.71	103.39	48.941		
11,400.00	7,630.00	7,644.61	7,642.65	82.02	26.75	90.75	-5,278.37	1,743.73	4,969.33	4,865.58	103.75	47.896		
11,500.00	7,630.00	7,644.52	7,642.57	82.03	26.75	90.75	-5,278.37	1,743.73	4,878.92	4,774.79	104.13	46.854		
11,600.00	7,630.00	7,644.44	7,642.48	82.06	26.75	90.75	-5,278.37	1,743.73	4,788.89	4,684.36	104.52	45.816		
11,700.00	7,630.00	7,644.35	7,642.40	82.12	26.75	90.75	-5,278.37	1,743.72	4,699.26	4,594.33	104.94	44.782		
11,800.00	7,630.00	7,644.26	7,642.31	82.21	26.75	90.74	-5,278.37	1,743.72	4,610.06	4,504.70	105.37	43.753		
11,900.00	7,630.00	7,644.17	7,642.22	82.33	26.75	90.74	-5,278.37	1,743.72	4,521.31	4,415.50	105.82	42.728		
12,000.00	7,630.00	7,644.08	7,642.13	82.48	26.75	90.74	-5,278.37	1,743.72	4,433.05	4,326.76	106.29	41.708		
12,100.00	7,630.00	7,643.99	7,642.04	82.66	26.75	90.74	-5,278.37	1,743.72	4,345.29	4,238.51	106.78	40.694		
12,200.00	7,630.00	7,643.90	7,641.94	82.88	26.75	90.73	-5,278.37	1,743.72	4,258.07	4,150.77	107.30	39.685		
12,300.00	7,630.00	7,643.80	7,641.85	83.14	26.75	90.73	-5,278.37	1,743.72	4,171.42	4,063.58	107.83	38.683		
12,400.00	7,630.00	7,643.71	7,641.75	83.44	26.75	90.73	-5,278.37	1,743.72	4,085.38	3,976.98	108.40	37.688		
12,500.00	7,630.00	7,643.61	7,641.65	83.79	26.75	90.73	-5,278.37	1,743.72	4,000.00	3,891.01	108.99	36.701		
12,600.00	7,630.00	7,643.51	7,641.56	84.18	26.75	90.72	-5,278.37	1,743.72	3,915.30	3,805.69	109.61	35.722		
12,700.00	7,630.00	7,643.41	7,641.46	84.61	26.75	90.72	-5,278.37	1,743.71	3,831.34	3,721.09	110.25	34.751		
12,800.00	7,630.00	7,643.31	7,641.35	85.10	26.75	90.72	-5,278.37	1,743.71	3,748.17	3,637.25	110.93	33.790		
12,900.00	7,630.00	7,643.20	7,641.25	85.64	26.75	90.71	-5,278.37	1,743.71	3,665.85	3,554.21	111.63	32.839		
13,000.00	7,630.00	7,643.10	7,641.15	86.22	26.75	90.71	-5,278.37	1,743.71	3,584.42	3,472.05	112.37	31.899		
13,100.00	7,630.00	7,642.99	7,641.04	86.86	26.75	90.71	-5,278.37	1,743.71	3,503.95	3,390.81	113.14	30.970		
13,200.00	7,630.00	7,642.89	7,640.93	87.56	26.75	90.71	-5,278.37	1,743.71	3,424.51	3,310.57	113.94	30.055		
13,300.00	7,630.00	7,642.78	7,640.82	88.30	26.75	90.70	-5,278.37	1,743.71	3,346.17	3,231.39	114.78	29.153		
13,400.00	7,630.00	7,642.66	7,640.71	89.10	26.75	90.70	-5,278.37	1,743.71	3,269.02	3,153.37	115.65	28.266		
13,500.00	7,630.00	7,642.55	7,640.60	89.94	26.75	90.70	-5,278.37	1,743.71	3,193.13	3,076.57	116.56	27.395		
13,600.00	7,630.00	7,642.44	7,640.48	90.84	26.75	90.69	-5,278.37	1,743.70	3,118.61	3,001.11	117.50	26.541		
13,700.00	7,630.00	7,642.32	7,640.37	91.78	26.75	90.69	-5,278.37	1,743.70	3,045.54	2,927.07	118.48	25.706		
13,800.00	7,630.00	7,642.20	7,640.25	92.77	26.75	90.69	-5,278.37	1,743.70	2,974.04	2,854.56	119.49	24.890		
13,900.00	7,630.00	7,642.08	7,640.13	93.79	26.75	90.68	-5,278.37	1,743.70	2,904.23	2,783.70	120.53	24.096		
14,000.00	7,630.00	7,641.96	7,640.01	94.86	26.74	90.68	-5,278.37	1,743.70	2,836.22	2,714.62	121.60	23.324		
14,100.00	7,630.00	7,641.84	7,639.88	95.97	26.74	90.68	-5,278.37	1,743.70	2,770.16	2,647.46	122.70	22.577		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST VERT ALAUX 26-5 - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 100-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,630.00	7,641.71	7,639.76	97.11	26.74	90.67	-5,278.37	1,743.70	2,706.18	2,582.36	123.82	21.855		
14,300.00	7,630.00	7,641.58	7,639.63	98.28	26.74	90.67	-5,278.37	1,743.70	2,644.43	2,519.47	124.96	21.162		
14,400.00	7,630.00	7,641.45	7,639.50	99.48	26.74	90.67	-5,278.37	1,743.69	2,585.08	2,458.96	126.11	20.498		
14,500.00	7,630.00	7,641.32	7,639.36	100.72	26.74	90.66	-5,278.37	1,743.69	2,528.29	2,401.02	127.27	19.866		
14,600.00	7,630.00	7,641.18	7,639.23	101.97	26.74	90.66	-5,278.37	1,743.69	2,474.24	2,345.81	128.42	19.266		
14,700.00	7,630.00	7,641.05	7,639.09	103.26	26.74	90.66	-5,278.37	1,743.69	2,423.11	2,293.55	129.56	18.703		
14,800.00	7,630.00	7,640.91	7,638.95	104.56	26.74	90.65	-5,278.37	1,743.69	2,375.09	2,244.42	130.67	18.176		
14,900.00	7,630.00	7,640.77	7,638.81	105.89	26.74	90.65	-5,278.37	1,743.69	2,330.38	2,198.64	131.75	17.689		
15,000.00	7,630.00	7,640.62	7,638.67	107.24	26.74	90.64	-5,278.37	1,743.69	2,289.17	2,156.40	132.77	17.242		
15,100.00	7,630.00	7,640.47	7,638.52	108.60	26.74	90.64	-5,278.37	1,743.68	2,251.65	2,117.93	133.72	16.839		
15,200.00	7,630.00	7,640.32	7,638.37	109.98	26.74	90.64	-5,278.38	1,743.68	2,218.00	2,083.41	134.59	16.480		
15,300.00	7,630.00	7,640.17	7,638.22	111.38	26.74	90.63	-5,278.38	1,743.68	2,188.41	2,053.05	135.36	16.168		
15,400.00	7,630.00	7,640.02	7,638.06	112.79	26.74	90.63	-5,278.38	1,743.68	2,163.04	2,027.03	136.01	15.903		
15,500.00	7,630.00	7,639.86	7,637.91	114.22	26.74	90.62	-5,278.38	1,743.68	2,142.05	2,005.50	136.54	15.688		
15,600.00	7,630.00	7,639.70	7,637.75	115.66	26.74	90.62	-5,278.38	1,743.68	2,125.55	1,988.62	136.93	15.523		
15,700.00	7,630.00	7,639.54	7,637.58	117.11	26.74	90.61	-5,278.38	1,743.67	2,113.67	1,976.50	137.17	15.410		
15,800.00	7,630.00	7,639.37	7,637.41	118.57	26.74	90.61	-5,278.38	1,743.67	2,106.47	1,969.22	137.24	15.348		
15,900.00	7,630.00	7,639.20	7,637.25	120.05	26.74	90.61	-5,278.38	1,743.67	2,104.00	1,966.84	137.16	15.340 ES, SF		
15,901.94	7,630.00	7,639.20	7,637.24	120.08	26.74	90.61	-5,278.38	1,743.67	2,104.00	1,966.84	137.16	15.340 CC		
16,000.00	7,630.00	7,639.03	7,637.07	121.53	26.73	90.60	-5,278.38	1,743.67	2,106.28	1,969.37	136.91	15.384		
16,100.00	7,630.00	7,638.85	7,636.90	123.03	26.73	90.60	-5,278.38	1,743.67	2,113.30	1,976.79	136.51	15.481		
16,200.00	7,630.00	7,638.67	7,636.72	124.53	26.73	90.59	-5,278.38	1,743.66	2,125.01	1,989.05	135.95	15.630		
16,300.00	7,630.00	7,638.49	7,636.53	126.04	26.73	90.59	-5,278.38	1,743.66	2,141.32	2,006.06	135.26	15.832		
16,400.00	7,630.00	7,638.30	7,636.35	127.56	26.73	90.58	-5,278.38	1,743.66	2,162.15	2,027.71	134.43	16.084		
16,500.00	7,630.00	7,638.11	7,636.15	129.09	26.73	90.58	-5,278.38	1,743.66	2,187.35	2,053.86	133.49	16.386		
16,600.00	7,630.00	7,637.91	7,635.96	130.62	26.73	90.57	-5,278.38	1,743.66	2,216.78	2,084.32	132.45	16.736		
16,700.00	7,630.00	7,637.71	7,635.76	132.16	26.73	90.57	-5,278.38	1,743.65	2,250.27	2,118.94	131.33	17.134		
16,800.00	7,630.00	7,637.51	7,635.56	133.71	26.73	90.56	-5,278.38	1,743.65	2,287.64	2,157.50	130.15	17.577		
16,900.00	7,630.00	7,637.30	7,635.35	135.27	26.73	90.55	-5,278.38	1,743.65	2,328.72	2,199.80	128.92	18.064		
17,000.00	7,630.00	7,637.09	7,635.14	136.83	26.73	90.55	-5,278.38	1,743.65	2,373.30	2,245.65	127.65	18.592		
17,100.00	7,630.00	7,636.88	7,634.92	138.39	26.73	90.54	-5,278.38	1,743.65	2,421.19	2,294.82	126.37	19.160		
17,200.00	7,630.00	7,636.66	7,634.70	139.97	26.73	90.54	-5,278.38	1,743.64	2,472.20	2,347.12	125.08	19.765		
17,300.00	7,630.00	7,636.43	7,634.48	141.54	26.73	90.53	-5,278.38	1,743.64	2,526.14	2,402.35	123.79	20.406		
17,400.00	7,630.00	7,636.20	7,634.25	143.12	26.72	90.52	-5,278.38	1,743.64	2,582.83	2,460.30	122.52	21.081		
17,500.00	7,630.00	7,635.96	7,634.01	144.71	26.72	90.52	-5,278.38	1,743.64	2,642.08	2,520.81	121.27	21.786		
17,600.00	7,630.00	7,635.72	7,633.77	146.30	26.72	90.51	-5,278.38	1,743.63	2,703.74	2,583.69	120.05	22.521		
17,700.00	7,630.00	7,635.48	7,633.52	147.90	26.72	90.50	-5,278.38	1,743.63	2,767.64	2,648.77	118.87	23.284		
17,800.00	7,630.00	7,635.23	7,633.27	149.50	26.72	90.50	-5,278.38	1,743.63	2,833.63	2,715.91	117.72	24.071		
17,900.00	7,630.00	7,634.97	7,633.01	151.10	26.72	90.49	-5,278.39	1,743.63	2,901.56	2,784.95	116.61	24.882		
18,000.00	7,630.00	7,634.70	7,632.75	152.71	26.72	90.48	-5,278.39	1,743.62	2,971.30	2,855.76	115.55	25.715		
18,100.00	7,630.00	7,634.43	7,632.48	154.32	26.72	90.48	-5,278.39	1,743.62	3,042.74	2,928.21	114.52	26.568		
18,200.00	7,630.00	7,634.16	7,632.20	155.94	26.72	90.47	-5,278.39	1,743.62	3,115.75	3,002.20	113.55	27.440		
18,300.00	7,630.00	7,633.87	7,631.92	157.56	26.72	90.46	-5,278.39	1,743.61	3,190.22	3,077.60	112.62	28.329		
18,400.00	7,630.00	7,633.58	7,631.63	159.18	26.72	90.45	-5,278.39	1,743.61	3,266.05	3,154.33	111.73	29.233		
18,500.00	7,630.00	7,633.28	7,631.33	160.80	26.71	90.44	-5,278.39	1,743.61	3,343.16	3,232.28	110.88	30.151		
18,600.00	7,630.00	7,632.98	7,631.02	162.43	26.71	90.44	-5,278.39	1,743.60	3,421.45	3,311.37	110.08	31.082		
18,700.00	7,630.00	7,632.66	7,630.71	164.06	26.71	90.43	-5,278.39	1,743.60	3,500.85	3,391.53	109.31	32.026		
18,800.00	7,630.00	7,632.34	7,630.39	165.70	26.71	90.42	-5,278.39	1,743.60	3,581.28	3,472.68	108.59	32.980		
18,900.00	7,630.00	7,632.01	7,630.06	167.33	26.71	90.41	-5,278.39	1,743.59	3,662.67	3,554.76	107.91	33.943		
19,000.00	7,630.00	7,631.67	7,629.72	168.97	26.71	90.40	-5,278.39	1,743.59	3,744.96	3,637.71	107.26	34.916		
19,021.79	7,630.00	7,631.60	7,629.64	169.33	26.71	90.40	-5,278.39	1,743.59	3,763.01	3,655.89	107.12	35.129		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST VERT ROBERTS 2 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	134.61	-5,617.40	5,694.02	7,998.62					
100.00	100.00	72.00	72.00	0.13	0.55	134.61	-5,617.40	5,694.02	7,998.57	7,997.88	0.69	N/A		
200.00	200.00	172.00	172.00	0.49	2.02	134.61	-5,617.40	5,694.02	7,998.57	7,996.05	2.52	3,177.210		
300.00	300.00	272.00	272.00	0.85	3.77	134.61	-5,617.40	5,694.02	7,998.57	7,993.95	4.62	1,730.811		
400.00	400.00	372.00	372.00	1.21	5.52	134.61	-5,617.40	5,694.02	7,998.57	7,991.84	6.73	1,189.363		
500.00	500.00	472.00	472.00	1.57	7.26	134.61	-5,617.40	5,694.02	7,998.57	7,989.74	8.83	905.954		
600.00	600.00	572.00	572.00	1.93	9.01	134.61	-5,617.40	5,694.02	7,998.57	7,987.63	10.93	731.620		
700.00	700.00	672.00	672.00	2.29	10.75	134.61	-5,617.40	5,694.02	7,998.57	7,985.53	13.04	613.552		
800.00	799.98	771.98	771.98	2.64	12.50	72.85	-5,617.40	5,694.02	7,998.05	7,982.92	15.14	528.429		
900.00	899.84	871.84	871.84	2.99	14.24	72.91	-5,617.40	5,694.02	7,996.51	7,979.28	17.23	464.073		
1,000.00	999.45	971.45	971.45	3.35	15.98	73.02	-5,617.40	5,694.02	7,993.95	7,974.62	19.33	413.577		
1,100.00	1,098.70	1,070.70	1,070.70	3.73	17.71	73.17	-5,617.40	5,694.02	7,990.38	7,968.95	21.43	372.852		
1,200.00	1,197.47	1,169.47	1,169.47	4.11	19.43	73.37	-5,617.40	5,694.02	7,985.82	7,962.29	23.54	339.262		
1,300.00	1,295.62	1,267.62	1,267.62	4.53	21.15	73.60	-5,617.40	5,694.02	7,980.31	7,954.65	25.66	311.034		
1,400.00	1,393.06	1,365.06	1,365.06	4.97	22.85	73.88	-5,617.40	5,694.02	7,973.85	7,946.07	27.79	286.935		
1,500.00	1,489.64	1,461.64	1,461.64	5.44	24.53	74.19	-5,617.40	5,694.02	7,966.50	7,936.56	29.94	266.086		
1,600.00	1,585.27	1,557.27	1,557.27	5.95	26.20	74.54	-5,617.40	5,694.02	7,958.29	7,926.18	32.11	247.841		
1,700.00	1,679.82	1,651.82	1,651.82	6.51	27.85	74.93	-5,617.40	5,694.02	7,949.27	7,914.96	34.31	231.718		
1,800.00	1,773.17	1,745.17	1,745.17	7.13	29.48	75.36	-5,617.40	5,694.02	7,939.47	7,902.95	36.53	217.349		
1,900.00	1,865.21	1,837.21	1,837.21	7.79	31.09	75.82	-5,617.40	5,694.02	7,928.97	7,890.19	38.78	204.450		
2,000.00	1,955.84	1,927.84	1,927.84	8.51	32.67	76.31	-5,617.40	5,694.02	7,917.80	7,876.74	41.07	192.799		
2,100.00	2,044.94	2,016.94	2,016.94	9.30	34.22	76.82	-5,617.40	5,694.02	7,906.05	7,862.66	43.39	182.218		
2,200.00	2,132.39	2,104.39	2,104.39	10.15	35.75	77.37	-5,617.40	5,694.02	7,893.76	7,848.02	45.74	172.565		
2,300.00	2,218.11	2,209.89	2,190.11	11.07	37.59	77.93	-5,617.40	5,694.02	7,881.01	7,832.53	48.48	162.556		
2,400.00	2,301.97	2,273.97	2,273.97	12.06	38.71	78.52	-5,617.40	5,694.02	7,867.88	7,817.31	50.57	155.594		
2,500.00	2,383.88	2,355.88	2,355.88	13.11	40.14	79.13	-5,617.40	5,694.02	7,854.43	7,801.39	53.03	148.101		
2,512.74	2,394.17	2,366.17	2,366.17	13.25	40.32	79.20	-5,617.40	5,694.02	7,852.70	7,799.35	53.35	147.189		
2,600.00	2,464.54	2,436.54	2,436.54	14.22	41.55	79.51	-5,617.40	5,694.02	7,840.98	7,785.45	55.53	141.193		
2,700.00	2,545.18	2,517.18	2,517.18	15.35	42.96	79.85	-5,617.40	5,694.02	7,827.95	7,769.90	58.06	134.834		
2,800.00	2,625.82	2,602.18	2,597.82	16.50	44.44	80.20	-5,617.40	5,694.02	7,815.35	7,754.68	60.67	128.811		
2,900.00	2,706.45	2,678.45	2,678.45	17.65	45.77	80.55	-5,617.40	5,694.02	7,803.18	7,740.02	63.15	123.561		
3,000.00	2,787.09	2,759.09	2,759.09	18.82	47.18	80.89	-5,617.40	5,694.02	7,791.43	7,725.71	65.72	118.554		
3,100.00	2,867.73	2,839.73	2,839.73	19.99	48.59	81.24	-5,617.40	5,694.02	7,780.12	7,711.82	68.30	113.911		
3,200.00	2,948.37	2,920.37	2,920.37	21.17	49.99	81.59	-5,617.40	5,694.02	7,769.24	7,698.35	70.89	109.598		
3,300.00	3,029.01	3,001.01	3,001.01	22.36	51.40	81.94	-5,617.40	5,694.02	7,758.79	7,685.31	73.48	105.584		
3,400.00	3,109.65	3,081.65	3,081.65	23.55	52.81	82.29	-5,617.40	5,694.02	7,748.79	7,672.70	76.09	101.840		
3,500.00	3,190.29	3,162.29	3,162.29	24.74	54.22	82.64	-5,617.40	5,694.02	7,739.22	7,660.52	78.70	98.341		
3,600.00	3,270.93	3,242.93	3,242.93	25.94	55.62	83.00	-5,617.40	5,694.02	7,730.09	7,648.78	81.31	95.066		
3,700.00	3,351.57	3,323.57	3,323.57	27.14	57.03	83.35	-5,617.40	5,694.02	7,721.41	7,637.48	83.93	91.996		
3,800.00	3,432.21	3,404.21	3,404.21	28.35	58.44	83.70	-5,617.40	5,694.02	7,713.17	7,626.61	86.56	89.112		
3,900.00	3,512.85	3,484.85	3,484.85	29.56	59.84	84.06	-5,617.40	5,694.02	7,705.37	7,616.19	89.18	86.399		
4,000.00	3,593.49	3,565.49	3,565.49	30.76	61.25	84.41	-5,617.40	5,694.02	7,698.02	7,606.21	91.81	83.844		
4,100.00	3,674.13	3,646.13	3,646.13	31.97	62.66	84.76	-5,617.40	5,694.02	7,691.12	7,596.67	94.45	81.434		
4,200.00	3,754.77	3,726.77	3,726.77	33.19	64.07	85.12	-5,617.40	5,694.02	7,684.67	7,587.58	97.08	79.157		
4,300.00	3,835.41	3,807.41	3,807.41	34.40	65.47	85.47	-5,617.40	5,694.02	7,678.66	7,578.94	99.72	77.003		
4,400.00	3,916.05	3,888.05	3,888.05	35.62	66.88	85.83	-5,617.40	5,694.02	7,673.11	7,570.75	102.36	74.964		
4,500.00	3,996.69	3,968.69	3,968.69	36.83	68.29	86.19	-5,617.40	5,694.02	7,668.01	7,563.01	105.00	73.030		
4,600.00	4,077.33	4,049.33	4,049.33	38.05	69.70	86.54	-5,617.40	5,694.02	7,663.36	7,555.73	107.64	71.195		
4,700.00	4,157.96	4,129.96	4,129.96	39.27	71.10	86.90	-5,617.40	5,694.02	7,659.17	7,548.89	110.28	69.452		
4,800.00	4,238.60	4,210.60	4,210.60	40.49	72.51	87.25	-5,617.40	5,694.02	7,655.43	7,542.51	112.92	67.794		
4,900.00	4,319.24	4,308.76	4,291.24	41.71	74.22	87.61	-5,617.40	5,694.02	7,652.15	7,536.28	115.87	66.041		
5,000.00	4,399.88	4,371.88	4,371.88	42.93	75.33	87.97	-5,617.40	5,694.02	7,649.32	7,531.12	118.20	64.712		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST VERT ROBERTS 2 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,480.52	4,452.52	4,452.52	44.15	76.73	88.33	-5,617.40	5,694.02	7,646.95	7,526.10	120.85	63.279		
5,200.00	4,561.16	4,533.16	4,533.16	45.37	78.14	88.68	-5,617.40	5,694.02	7,645.04	7,521.55	123.49	61.910		
5,300.00	4,641.80	4,613.80	4,613.80	46.59	79.55	89.04	-5,617.40	5,694.02	7,643.58	7,517.45	126.13	60.603		
5,400.00	4,722.44	4,705.56	4,694.44	47.82	81.15	89.40	-5,617.40	5,694.02	7,642.58	7,513.62	128.96	59.264		
5,500.00	4,803.08	4,775.08	4,775.08	49.04	82.36	89.75	-5,617.40	5,694.02	7,642.04	7,510.64	131.40	58.159		
5,568.55	4,858.36	4,830.36	4,830.36	49.88	83.33	90.00	-5,617.40	5,694.02	7,641.93	7,508.72	133.21	57.369		
5,600.00	4,883.72	4,855.72	4,855.72	50.27	83.77	90.11	-5,617.40	5,694.02	7,641.95	7,507.92	134.03	57.015		
5,700.00	4,964.36	4,936.36	4,936.36	51.49	85.18	90.47	-5,617.40	5,694.02	7,642.32	7,505.66	136.67	55.919		
5,800.00	5,045.00	5,017.00	5,017.00	52.71	86.59	90.83	-5,617.40	5,694.02	7,643.15	7,503.86	139.30	54.869		
5,900.00	5,125.64	5,102.36	5,097.64	53.94	88.08	91.18	-5,617.40	5,694.02	7,644.44	7,502.43	142.01	53.830		
6,000.00	5,206.28	5,178.28	5,178.28	55.17	89.40	91.54	-5,617.40	5,694.02	7,646.19	7,501.63	144.55	52.895		
6,100.00	5,286.92	5,258.92	5,258.92	56.39	90.81	91.90	-5,617.40	5,694.02	7,648.39	7,501.21	147.18	51.968		
6,200.00	5,367.56	5,339.56	5,339.56	57.62	92.22	92.26	-5,617.40	5,694.02	7,651.05	7,501.25	149.80	51.076		
6,300.00	5,448.20	5,420.20	5,420.20	58.84	93.62	92.61	-5,617.40	5,694.02	7,654.16	7,501.75	152.41	50.220		
6,400.00	5,528.84	5,500.84	5,500.84	60.07	95.03	92.97	-5,617.40	5,694.02	7,657.73	7,502.70	155.03	49.396		
6,500.00	5,609.47	5,581.47	5,581.47	61.30	96.44	93.33	-5,617.40	5,694.02	7,661.76	7,504.12	157.64	48.604		
6,600.00	5,690.11	5,662.11	5,662.11	62.53	97.85	93.68	-5,617.40	5,694.02	7,666.23	7,505.99	160.24	47.842		
6,700.00	5,770.75	5,742.75	5,742.75	63.75	99.25	94.04	-5,617.40	5,694.02	7,671.17	7,508.32	162.84	47.107		
6,800.00	5,851.39	5,823.39	5,823.39	64.98	100.66	94.39	-5,617.40	5,694.02	7,676.55	7,511.11	165.44	46.400		
6,900.00	5,932.03	5,904.03	5,904.03	66.21	102.07	94.75	-5,617.40	5,694.02	7,682.39	7,514.35	168.04	45.719		
7,000.00	6,012.67	5,984.67	5,984.67	67.44	103.47	95.10	-5,617.40	5,694.02	7,688.67	7,518.05	170.63	45.062		
7,100.00	6,093.31	6,065.31	6,065.31	68.66	104.88	95.46	-5,617.40	5,694.02	7,695.41	7,522.20	173.21	44.428		
7,200.00	6,173.95	6,145.95	6,145.95	69.89	106.29	95.81	-5,617.40	5,694.02	7,702.59	7,526.80	175.79	43.817		
7,300.00	6,254.59	6,226.59	6,226.59	71.12	107.70	96.17	-5,617.40	5,694.02	7,710.22	7,531.86	178.36	43.227		
7,400.00	6,335.23	6,307.23	6,307.23	72.35	109.10	96.52	-5,617.40	5,694.02	7,718.30	7,537.36	180.93	42.658		
7,500.00	6,415.87	6,387.87	6,387.87	73.58	110.51	96.87	-5,617.40	5,694.02	7,726.82	7,543.32	183.50	42.108		
7,600.00	6,496.51	6,468.51	6,468.51	74.81	111.92	97.22	-5,617.40	5,694.02	7,735.78	7,549.72	186.06	41.577		
7,700.00	6,577.15	6,549.15	6,549.15	76.04	113.33	97.58	-5,617.40	5,694.02	7,745.19	7,556.58	188.61	41.064		
7,800.00	6,657.79	6,629.79	6,629.79	77.27	114.73	97.93	-5,617.40	5,694.02	7,755.03	7,563.87	191.16	40.568		
7,900.00	6,738.43	6,710.43	6,710.43	78.50	116.14	98.28	-5,617.40	5,694.02	7,765.31	7,571.61	193.70	40.089		
8,000.00	6,819.07	6,808.93	6,791.07	79.73	117.86	98.63	-5,617.40	5,694.02	7,776.03	7,579.48	196.55	39.563		
8,100.00	6,899.71	6,871.71	6,871.71	80.96	118.96	98.98	-5,617.40	5,694.02	7,787.18	7,588.42	198.77	39.177		
8,200.00	6,980.35	6,952.35	6,952.35	82.18	120.36	99.33	-5,617.40	5,694.02	7,798.77	7,597.48	201.29	38.744		
8,240.58	7,013.07	6,985.07	6,985.07	82.68	120.94	99.47	-5,617.40	5,694.02	7,803.59	7,601.28	202.31	38.572		
8,250.00	7,020.68	7,007.32	6,992.68	82.80	121.32	98.33	-5,617.40	5,694.02	7,804.65	7,601.84	202.81	38.483		
8,300.00	7,061.63	7,033.63	7,033.63	83.40	121.78	91.84	-5,617.40	5,694.02	7,807.80	7,603.99	203.81	38.308		
8,350.00	7,103.23	7,075.23	7,075.23	83.97	122.51	84.65	-5,617.40	5,694.02	7,806.83	7,601.75	205.08	38.068		
8,400.00	7,145.18	7,117.18	7,117.18	84.51	123.24	77.02	-5,617.40	5,694.02	7,801.72	7,595.39	206.33	37.812		
8,450.00	7,187.16	7,159.16	7,159.16	85.01	123.97	69.25	-5,617.40	5,694.02	7,792.50	7,584.95	207.55	37.544		
8,500.00	7,228.84	7,200.84	7,200.84	85.46	124.70	61.68	-5,617.40	5,694.02	7,779.23	7,570.49	208.74	37.267		
8,550.00	7,269.91	7,241.91	7,241.91	85.86	125.42	54.54	-5,617.40	5,694.02	7,762.00	7,552.12	209.89	36.982		
8,600.00	7,310.05	7,282.05	7,282.05	86.20	126.12	47.99	-5,617.40	5,694.02	7,740.93	7,529.96	210.97	36.691		
8,650.00	7,348.97	7,320.97	7,320.97	86.50	126.80	42.04	-5,617.40	5,694.02	7,716.16	7,504.16	212.00	36.397		
8,700.00	7,386.36	7,358.36	7,358.36	86.74	127.45	36.66	-5,617.40	5,694.02	7,687.87	7,474.91	212.96	36.101		
8,750.00	7,421.94	7,406.06	7,393.94	86.93	128.28	31.73	-5,617.40	5,694.02	7,656.26	7,442.21	214.05	35.769		
8,800.00	7,455.44	7,427.44	7,427.44	87.07	128.66	27.10	-5,617.40	5,694.02	7,621.55	7,406.91	214.64	35.509		
8,850.00	7,486.61	7,458.61	7,458.61	87.16	129.20	22.58	-5,617.40	5,694.02	7,584.00	7,368.65	215.35	35.217		
8,900.00	7,515.20	7,487.20	7,487.20	87.20	129.70	17.95	-5,617.40	5,694.02	7,543.89	7,327.91	215.98	34.928		
8,950.00	7,541.00	7,513.00	7,513.00	87.21	130.15	12.89	-5,617.40	5,694.02	7,501.51	7,284.99	216.52	34.646		
9,000.00	7,563.81	7,535.81	7,535.81	87.17	130.55	6.93	-5,617.40	5,694.02	7,457.18	7,240.21	216.97	34.369		
9,050.00	7,583.47	7,555.47	7,555.47	87.10	130.89	-0.67	-5,617.40	5,694.02	7,411.24	7,193.91	217.33	34.101		
9,100.00	7,599.81	7,571.81	7,571.81	87.00	131.18	-11.11	-5,617.40	5,694.02	7,364.02	7,146.43	217.60	33.843		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST VERT ROBERTS 2 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,150.00	7,612.72	7,584.72	7,584.72	86.88	131.40	-26.06	-5,617.40	5,694.02	7,315.90	7,098.13	217.77	33.594		
9,200.00	7,622.09	7,605.91	7,594.09	86.72	131.77	-46.53	-5,617.40	5,694.02	7,267.24	7,049.18	218.06	33.326		
9,250.00	7,627.87	7,600.14	7,599.87	86.55	131.67	-69.45	-5,617.40	5,694.02	7,218.42	7,000.56	217.86	33.133		
9,303.98	7,630.00	7,602.00	7,602.00	86.35	131.70	-90.00	-5,617.40	5,694.02	7,165.98	6,948.23	217.76	32.908		
9,400.00	7,630.00	7,602.00	7,602.00	85.99	131.70	-90.00	-5,617.40	5,694.02	7,073.25	6,855.75	217.50	32.521		
9,500.00	7,630.00	7,602.00	7,602.00	85.62	131.70	-90.00	-5,617.40	5,694.02	6,976.77	6,759.55	217.22	32.119		
9,600.00	7,630.00	7,602.00	7,602.00	85.28	131.70	-90.00	-5,617.40	5,694.02	6,880.39	6,663.46	216.93	31.717		
9,700.00	7,630.00	7,602.00	7,602.00	84.95	131.70	-90.00	-5,617.40	5,694.02	6,784.12	6,567.48	216.64	31.315		
9,800.00	7,630.00	7,602.00	7,602.00	84.64	131.70	-90.00	-5,617.40	5,694.02	6,687.95	6,471.62	216.34	30.914		
9,900.00	7,630.00	7,602.00	7,602.00	84.34	131.70	-90.00	-5,617.40	5,694.02	6,591.90	6,375.87	216.03	30.514		
10,000.00	7,630.00	7,602.00	7,602.00	84.06	131.70	-90.00	-5,617.40	5,694.02	6,495.97	6,280.26	215.72	30.114		
10,100.00	7,630.00	7,602.00	7,602.00	83.80	131.70	-90.00	-5,617.40	5,694.02	6,400.17	6,184.77	215.39	29.714		
10,200.00	7,630.00	7,602.00	7,602.00	83.56	131.70	-90.00	-5,617.40	5,694.02	6,304.49	6,089.43	215.06	29.315		
10,300.00	7,630.00	7,602.00	7,602.00	83.33	131.70	-90.00	-5,617.40	5,694.02	6,208.95	5,994.23	214.72	28.916		
10,400.00	7,630.00	7,602.00	7,602.00	83.12	131.70	-90.00	-5,617.40	5,694.02	6,113.55	5,899.18	214.37	28.518		
10,500.00	7,630.00	7,602.00	7,602.00	82.92	131.70	-90.00	-5,617.40	5,694.02	6,018.30	5,804.28	214.02	28.121		
10,600.00	7,630.00	7,602.00	7,602.00	82.75	131.70	-90.00	-5,617.40	5,694.02	5,923.21	5,709.56	213.65	27.724		
10,700.00	7,630.00	7,602.00	7,602.00	82.59	131.70	-90.00	-5,617.40	5,694.02	5,828.28	5,615.01	213.28	27.327		
10,800.00	7,630.00	7,602.00	7,602.00	82.45	131.70	-90.00	-5,617.40	5,694.02	5,733.53	5,520.64	212.89	26.932		
10,900.00	7,630.00	7,602.00	7,602.00	82.33	131.70	-90.00	-5,617.40	5,694.02	5,638.96	5,426.46	212.49	26.537		
11,000.00	7,630.00	7,602.00	7,602.00	82.22	131.70	-90.00	-5,617.40	5,694.02	5,544.57	5,332.48	212.09	26.143		
11,100.00	7,630.00	7,602.00	7,602.00	82.14	131.70	-90.00	-5,617.40	5,694.02	5,450.39	5,238.72	211.67	25.749		
11,200.00	7,630.00	7,602.00	7,602.00	82.08	131.70	-90.00	-5,617.40	5,694.02	5,356.42	5,145.17	211.24	25.357		
11,300.00	7,630.00	7,602.00	7,602.00	82.04	131.70	-90.00	-5,617.40	5,694.02	5,262.67	5,051.86	210.81	24.965		
11,400.00	7,630.00	7,602.00	7,602.00	82.02	131.70	-90.00	-5,617.40	5,694.02	5,169.15	4,958.80	210.36	24.573		
11,500.00	7,630.00	7,602.00	7,602.00	82.03	131.70	-90.00	-5,617.40	5,694.02	5,075.88	4,865.99	209.89	24.183		
11,600.00	7,630.00	7,602.00	7,602.00	82.06	131.70	-90.00	-5,617.40	5,694.02	4,982.88	4,773.46	209.42	23.794		
11,700.00	7,630.00	7,602.00	7,602.00	82.12	131.70	-90.00	-5,617.40	5,694.02	4,890.15	4,681.21	208.94	23.405		
11,800.00	7,630.00	7,602.00	7,602.00	82.21	131.70	-90.00	-5,617.40	5,694.02	4,797.71	4,589.27	208.44	23.017		
11,900.00	7,630.00	7,602.00	7,602.00	82.33	131.70	-90.00	-5,617.40	5,694.02	4,705.58	4,497.65	207.93	22.631		
12,000.00	7,630.00	7,602.00	7,602.00	82.48	131.70	-90.00	-5,617.40	5,694.02	4,613.77	4,406.36	207.41	22.245		
12,100.00	7,630.00	7,602.00	7,602.00	82.66	131.70	-90.00	-5,617.40	5,694.02	4,522.32	4,315.44	206.88	21.860		
12,200.00	7,630.00	7,602.00	7,602.00	82.88	131.70	-90.00	-5,617.40	5,694.02	4,431.23	4,224.90	206.34	21.476		
12,300.00	7,630.00	7,602.00	7,602.00	83.14	131.70	-90.00	-5,617.40	5,694.02	4,340.54	4,134.76	205.78	21.093		
12,400.00	7,630.00	7,602.00	7,602.00	83.44	131.70	-90.00	-5,617.40	5,694.02	4,250.27	4,045.05	205.22	20.711		
12,500.00	7,630.00	7,602.00	7,602.00	83.79	131.70	-90.00	-5,617.40	5,694.02	4,160.44	3,955.79	204.65	20.330		
12,600.00	7,630.00	7,602.00	7,602.00	84.18	131.70	-90.00	-5,617.40	5,694.02	4,071.08	3,867.01	204.07	19.949		
12,700.00	7,630.00	7,602.00	7,602.00	84.61	131.70	-90.00	-5,617.40	5,694.02	3,982.23	3,778.74	203.48	19.570		
12,800.00	7,630.00	7,602.00	7,602.00	85.10	131.70	-90.00	-5,617.40	5,694.02	3,893.92	3,691.02	202.89	19.192		
12,900.00	7,630.00	7,602.00	7,602.00	85.64	131.70	-90.00	-5,617.40	5,694.02	3,806.19	3,603.88	202.30	18.814		
13,000.00	7,630.00	7,602.00	7,602.00	86.22	131.70	-90.00	-5,617.40	5,694.02	3,719.08	3,517.36	201.71	18.437		
13,100.00	7,630.00	7,602.00	7,602.00	86.86	131.70	-90.00	-5,617.40	5,694.02	3,632.63	3,431.50	201.13	18.061		
13,200.00	7,630.00	7,602.00	7,602.00	87.56	131.70	-90.00	-5,617.40	5,694.02	3,546.89	3,346.34	200.56	17.685		
13,300.00	7,630.00	7,602.00	7,602.00	88.30	131.70	-90.00	-5,617.40	5,694.02	3,461.92	3,261.93	200.00	17.310		
13,400.00	7,630.00	7,602.00	7,602.00	89.10	131.70	-90.00	-5,617.40	5,694.02	3,377.78	3,178.32	199.46	16.935		
13,500.00	7,630.00	7,602.00	7,602.00	89.94	131.70	-90.00	-5,617.40	5,694.02	3,294.52	3,095.57	198.95	16.560		
13,600.00	7,630.00	7,602.00	7,602.00	90.84	131.70	-90.00	-5,617.40	5,694.02	3,212.21	3,013.73	198.48	16.184		
13,700.00	7,630.00	7,602.00	7,602.00	91.78	131.70	-90.00	-5,617.40	5,694.02	3,130.94	2,932.88	198.06	15.808		
13,800.00	7,630.00	7,602.00	7,602.00	92.77	131.70	-90.00	-5,617.40	5,694.02	3,050.78	2,853.08	197.70	15.431		
13,900.00	7,630.00	7,602.00	7,602.00	93.79	131.70	-90.00	-5,617.40	5,694.02	2,971.82	2,774.40	197.42	15.054		
14,000.00	7,630.00	7,602.00	7,602.00	94.86	131.70	-90.00	-5,617.40	5,694.02	2,894.16	2,696.94	197.23	14.674		
14,100.00	7,630.00	7,602.00	7,602.00	95.97	131.70	-90.00	-5,617.40	5,694.02	2,817.91	2,620.77	197.14	14.294		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST VERT ROBERTS 2 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,630.00	7,602.00	7,602.00	97.11	131.70	-90.00	-5,617.40	5,694.02	2,743.19	2,545.99	197.20	13.911		
14,300.00	7,630.00	7,602.00	7,602.00	98.28	131.70	-90.00	-5,617.40	5,694.02	2,670.12	2,472.72	197.40	13.527		
14,400.00	7,630.00	7,602.00	7,602.00	99.48	131.70	-90.00	-5,617.40	5,694.02	2,598.85	2,401.07	197.78	13.140		
14,500.00	7,630.00	7,602.00	7,602.00	100.72	131.70	-90.00	-5,617.40	5,694.02	2,529.52	2,331.16	198.36	12.752		
14,600.00	7,630.00	7,602.00	7,602.00	101.97	131.70	-90.00	-5,617.40	5,694.02	2,462.30	2,263.13	199.17	12.363		
14,700.00	7,630.00	7,602.00	7,602.00	103.26	131.70	-90.00	-5,617.40	5,694.02	2,397.37	2,197.15	200.23	11.973		
14,800.00	7,630.00	7,602.00	7,602.00	104.56	131.70	-90.00	-5,617.40	5,694.02	2,334.92	2,133.37	201.56	11.585		
14,900.00	7,630.00	7,602.00	7,602.00	105.89	131.70	-90.00	-5,617.40	5,694.02	2,275.15	2,071.98	203.17	11.198		
15,000.00	7,630.00	7,602.00	7,602.00	107.24	131.70	-90.00	-5,617.40	5,694.02	2,218.29	2,013.19	205.09	10.816		
15,100.00	7,630.00	7,602.00	7,602.00	108.60	131.70	-90.00	-5,617.40	5,694.02	2,164.55	1,957.23	207.32	10.441		
15,200.00	7,630.00	7,602.00	7,602.00	109.98	131.70	-90.00	-5,617.40	5,694.02	2,114.17	1,904.31	209.86	10.074		
15,300.00	7,630.00	7,602.00	7,602.00	111.38	131.70	-90.00	-5,617.40	5,694.02	2,067.41	1,854.71	212.70	9.720		
15,400.00	7,630.00	7,602.00	7,602.00	112.79	131.70	-90.00	-5,617.40	5,694.02	2,024.51	1,808.69	215.82	9.381		
15,500.00	7,630.00	7,602.00	7,602.00	114.22	131.70	-90.00	-5,617.40	5,694.02	1,985.73	1,766.53	219.20	9.059		
15,600.00	7,630.00	7,602.00	7,602.00	115.66	131.70	-90.00	-5,617.40	5,694.02	1,951.30	1,728.50	222.80	8.758		
15,700.00	7,630.00	7,602.00	7,602.00	117.11	131.70	-90.00	-5,617.40	5,694.02	1,921.47	1,694.89	226.58	8.480		
15,800.00	7,630.00	7,602.00	7,602.00	118.57	131.70	-90.00	-5,617.40	5,694.02	1,896.44	1,665.96	230.48	8.228		
15,900.00	7,630.00	7,602.00	7,602.00	120.05	131.70	-90.00	-5,617.40	5,694.02	1,876.42	1,641.96	234.46	8.003		
16,000.00	7,630.00	7,602.00	7,602.00	121.53	131.70	-90.00	-5,617.40	5,694.02	1,861.56	1,623.11	238.46	7.807		
16,100.00	7,630.00	7,602.00	7,602.00	123.03	131.70	-90.00	-5,617.40	5,694.02	1,851.99	1,609.59	242.40	7.640		
16,200.00	7,630.00	7,602.00	7,602.00	124.53	131.70	-90.00	-5,617.40	5,694.02	1,847.80	1,601.55	246.24	7.504		
16,227.69	7,630.00	7,602.00	7,602.00	124.95	131.70	-90.00	-5,617.40	5,694.02	1,847.59	1,600.30	247.28	7.472 CC		
16,300.00	7,630.00	7,602.00	7,602.00	126.04	131.70	-90.00	-5,617.40	5,694.02	1,849.00	1,599.07	249.93	7.398 ES		
16,400.00	7,630.00	7,602.00	7,602.00	127.56	131.70	-90.00	-5,617.40	5,694.02	1,855.61	1,602.20	253.41	7.323		
16,500.00	7,630.00	7,602.00	7,602.00	129.09	131.70	-90.00	-5,617.40	5,694.02	1,867.55	1,610.90	256.65	7.277		
16,600.00	7,630.00	7,602.00	7,602.00	130.62	131.70	-90.00	-5,617.40	5,694.02	1,884.73	1,625.12	259.61	7.260 SF		
16,700.00	7,630.00	7,602.00	7,602.00	132.16	131.70	-90.00	-5,617.40	5,694.02	1,907.00	1,644.72	262.29	7.271		
16,800.00	7,630.00	7,602.00	7,602.00	133.71	131.70	-90.00	-5,617.40	5,694.02	1,934.20	1,669.54	264.66	7.308		
16,900.00	7,630.00	7,602.00	7,602.00	135.27	131.70	-90.00	-5,617.40	5,694.02	1,966.11	1,699.37	266.74	7.371		
17,000.00	7,630.00	7,602.00	7,602.00	136.83	131.70	-90.00	-5,617.40	5,694.02	2,002.51	1,733.99	268.52	7.458		
17,100.00	7,630.00	7,602.00	7,602.00	138.39	131.70	-90.00	-5,617.40	5,694.02	2,043.16	1,773.14	270.02	7.567		
17,200.00	7,630.00	7,602.00	7,602.00	139.97	131.70	-90.00	-5,617.40	5,694.02	2,087.82	1,816.55	271.27	7.697		
17,300.00	7,630.00	7,602.00	7,602.00	141.54	131.70	-90.00	-5,617.40	5,694.02	2,136.22	1,863.95	272.27	7.846		
17,400.00	7,630.00	7,602.00	7,602.00	143.12	131.70	-90.00	-5,617.40	5,694.02	2,188.13	1,915.08	273.05	8.014		
17,500.00	7,630.00	7,602.00	7,602.00	144.71	131.70	-90.00	-5,617.40	5,694.02	2,243.29	1,969.66	273.63	8.198		
17,600.00	7,630.00	7,602.00	7,602.00	146.30	131.70	-90.00	-5,617.40	5,694.02	2,301.48	2,027.44	274.05	8.398		
17,700.00	7,630.00	7,602.00	7,602.00	147.90	131.70	-90.00	-5,617.40	5,694.02	2,362.48	2,088.17	274.31	8.613		
17,800.00	7,630.00	7,602.00	7,602.00	149.50	131.70	-90.00	-5,617.40	5,694.02	2,426.06	2,151.62	274.43	8.840		
17,900.00	7,630.00	7,602.00	7,602.00	151.10	131.70	-90.00	-5,617.40	5,694.02	2,492.03	2,217.58	274.45	9.080		
18,000.00	7,630.00	7,602.00	7,602.00	152.71	131.70	-90.00	-5,617.40	5,694.02	2,560.21	2,285.84	274.37	9.331		
18,100.00	7,630.00	7,602.00	7,602.00	154.32	131.70	-90.00	-5,617.40	5,694.02	2,630.43	2,356.22	274.20	9.593		
18,200.00	7,630.00	7,602.00	7,602.00	155.94	131.70	-90.00	-5,617.40	5,694.02	2,702.52	2,428.55	273.97	9.864		
18,300.00	7,630.00	7,602.00	7,602.00	157.56	131.70	-90.00	-5,617.40	5,694.02	2,776.34	2,502.65	273.69	10.144		
18,400.00	7,630.00	7,602.00	7,602.00	159.18	131.70	-90.00	-5,617.40	5,694.02	2,851.76	2,578.41	273.35	10.433		
18,500.00	7,630.00	7,602.00	7,602.00	160.80	131.70	-90.00	-5,617.40	5,694.02	2,928.65	2,655.67	272.98	10.728		
18,600.00	7,630.00	7,602.00	7,602.00	162.43	131.70	-90.00	-5,617.40	5,694.02	3,006.90	2,734.32	272.58	11.031		
18,700.00	7,630.00	7,602.00	7,602.00	164.06	131.70	-90.00	-5,617.40	5,694.02	3,086.41	2,814.25	272.16	11.340		
18,800.00	7,630.00	7,602.00	7,602.00	165.70	131.70	-90.00	-5,617.40	5,694.02	3,167.08	2,895.36	271.72	11.656		
18,900.00	7,630.00	7,602.00	7,602.00	167.33	131.70	-90.00	-5,617.40	5,694.02	3,248.82	2,977.55	271.27	11.976		
19,000.00	7,630.00	7,602.00	7,602.00	168.97	131.70	-90.00	-5,617.40	5,694.02	3,331.56	3,060.75	270.81	12.302		
19,021.79	7,630.00	7,602.00	7,602.00	169.33	131.70	-90.00	-5,617.40	5,694.02	3,349.72	3,079.01	270.71	12.374		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST VERT SHANNON ROBERTS 26-5 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	134.43	-4,823.42	4,920.60	6,890.57					
100.00	100.00	53.00	53.00	0.13	0.41	134.43	-4,823.42	4,920.60	6,890.41	6,889.86	0.54	N/A		
200.00	200.00	153.00	153.00	0.49	1.69	134.43	-4,823.42	4,920.60	6,890.41	6,888.22	2.19	3,152.250		
300.00	300.00	253.00	253.00	0.85	3.44	134.43	-4,823.42	4,920.60	6,890.41	6,886.12	4.29	1,606.279		
400.00	400.00	353.00	353.00	1.21	5.18	134.43	-4,823.42	4,920.60	6,890.41	6,884.01	6.39	1,077.725		
500.00	500.00	453.00	453.00	1.57	6.93	134.43	-4,823.42	4,920.60	6,890.41	6,881.91	8.50	810.896		
600.00	600.00	553.00	553.00	1.93	8.67	134.43	-4,823.42	4,920.60	6,890.41	6,879.80	10.60	649.973		
700.00	700.00	653.00	653.00	2.29	10.42	134.43	-4,823.42	4,920.60	6,890.41	6,877.70	12.70	542.344		
800.00	799.98	752.98	752.98	2.64	12.16	72.67	-4,823.42	4,920.60	6,889.89	6,875.08	14.80	465.409		
900.00	899.84	852.84	852.84	2.99	13.91	72.74	-4,823.42	4,920.60	6,888.33	6,871.43	16.90	407.605		
1,000.00	999.45	952.45	952.45	3.35	15.65	72.86	-4,823.42	4,920.60	6,885.74	6,866.74	19.00	362.461		
1,100.00	1,098.70	1,051.70	1,051.70	3.73	17.38	73.02	-4,823.42	4,920.60	6,882.14	6,861.04	21.10	326.187		
1,200.00	1,197.47	1,150.47	1,150.47	4.11	19.10	73.23	-4,823.42	4,920.60	6,877.55	6,854.34	23.21	296.355		
1,300.00	1,295.62	1,248.62	1,248.62	4.53	20.82	73.49	-4,823.42	4,920.60	6,871.99	6,846.66	25.33	271.345		
1,400.00	1,393.06	1,346.06	1,346.06	4.97	22.52	73.79	-4,823.42	4,920.60	6,865.50	6,838.04	27.46	250.037		
1,500.00	1,489.64	1,442.64	1,442.64	5.44	24.20	74.13	-4,823.42	4,920.60	6,858.12	6,828.51	29.61	231.632		
1,600.00	1,585.27	1,538.27	1,538.27	5.95	25.87	74.52	-4,823.42	4,920.60	6,849.88	6,818.10	31.78	215.549		
1,700.00	1,679.82	1,632.82	1,632.82	6.51	27.52	74.94	-4,823.42	4,920.60	6,840.85	6,806.88	33.97	201.354		
1,800.00	1,773.17	1,726.17	1,726.17	7.13	29.15	75.40	-4,823.42	4,920.60	6,831.08	6,794.88	36.20	188.717		
1,900.00	1,865.21	1,818.21	1,818.21	7.79	30.76	75.90	-4,823.42	4,920.60	6,820.61	6,782.16	38.45	177.383		
2,000.00	1,955.84	1,908.84	1,908.84	8.51	32.34	76.43	-4,823.42	4,920.60	6,809.53	6,768.80	40.74	167.155		
2,100.00	2,044.94	2,002.06	1,997.94	9.30	33.97	77.00	-4,823.42	4,920.60	6,797.90	6,754.77	43.13	157.609		
2,200.00	2,132.39	2,085.39	2,085.39	10.15	35.42	77.58	-4,823.42	4,920.60	6,785.80	6,740.38	45.42	149.411		
2,300.00	2,218.11	2,171.11	2,171.11	11.07	36.92	78.20	-4,823.42	4,920.60	6,773.29	6,725.48	47.81	141.665		
2,400.00	2,301.97	2,254.97	2,254.97	12.06	38.38	78.83	-4,823.42	4,920.60	6,760.47	6,710.23	50.24	134.551		
2,500.00	2,383.88	2,336.88	2,336.88	13.11	39.81	79.49	-4,823.42	4,920.60	6,747.42	6,694.70	52.72	127.996		
2,512.74	2,394.17	2,347.17	2,347.17	13.25	39.99	79.57	-4,823.42	4,920.60	6,745.74	6,692.71	53.03	127.199		
2,600.00	2,464.54	2,417.54	2,417.54	14.22	41.22	79.92	-4,823.42	4,920.60	6,734.45	6,679.23	55.22	121.959		
2,700.00	2,545.18	2,501.82	2,498.18	15.35	42.69	80.33	-4,823.42	4,920.60	6,721.97	6,664.16	57.81	116.279		
2,800.00	2,625.82	2,578.82	2,578.82	16.50	44.03	80.73	-4,823.42	4,920.60	6,709.99	6,649.70	60.29	111.295		
2,900.00	2,706.45	2,659.45	2,659.45	17.65	45.44	81.14	-4,823.42	4,920.60	6,698.51	6,635.66	62.85	106.578		
3,000.00	2,787.09	2,740.09	2,740.09	18.82	46.85	81.54	-4,823.42	4,920.60	6,687.53	6,622.11	65.42	102.219		
3,100.00	2,867.73	2,820.73	2,820.73	19.99	48.25	81.95	-4,823.42	4,920.60	6,677.06	6,609.05	68.01	98.181		
3,200.00	2,948.37	2,901.37	2,901.37	21.17	49.66	82.36	-4,823.42	4,920.60	6,667.10	6,596.49	70.60	94.434		
3,300.00	3,029.01	2,982.01	2,982.01	22.36	51.07	82.76	-4,823.42	4,920.60	6,657.64	6,584.44	73.20	90.949		
3,400.00	3,109.65	3,062.65	3,062.65	23.55	52.48	83.17	-4,823.42	4,920.60	6,648.70	6,572.89	75.81	87.702		
3,500.00	3,190.29	3,143.29	3,143.29	24.74	53.88	83.58	-4,823.42	4,920.60	6,640.28	6,561.85	78.42	84.672		
3,600.00	3,270.93	3,223.93	3,223.93	25.94	55.29	83.99	-4,823.42	4,920.60	6,632.37	6,551.32	81.04	81.838		
3,700.00	3,351.57	3,304.57	3,304.57	27.14	56.70	84.41	-4,823.42	4,920.60	6,624.98	6,541.31	83.67	79.184		
3,800.00	3,432.21	3,385.21	3,385.21	28.35	58.11	84.82	-4,823.42	4,920.60	6,618.10	6,531.81	86.29	76.693		
3,900.00	3,512.85	3,465.85	3,465.85	29.56	59.51	85.23	-4,823.42	4,920.60	6,611.76	6,522.83	88.92	74.354		
4,000.00	3,593.49	3,546.49	3,546.49	30.76	60.92	85.64	-4,823.42	4,920.60	6,605.93	6,514.37	91.56	72.152		
4,100.00	3,674.13	3,627.13	3,627.13	31.97	62.33	86.06	-4,823.42	4,920.60	6,600.63	6,506.44	94.19	70.078		
4,200.00	3,754.77	3,707.77	3,707.77	33.19	63.74	86.47	-4,823.42	4,920.60	6,595.85	6,499.03	96.83	68.121		
4,300.00	3,835.41	3,788.41	3,788.41	34.40	65.14	86.88	-4,823.42	4,920.60	6,591.61	6,492.14	99.46	66.272		
4,400.00	3,916.05	3,869.05	3,869.05	35.62	66.55	87.30	-4,823.42	4,920.60	6,587.89	6,485.79	102.10	64.524		
4,500.00	3,996.69	3,949.69	3,949.69	36.83	67.96	87.71	-4,823.42	4,920.60	6,584.70	6,479.96	104.74	62.868		
4,600.00	4,077.33	4,030.33	4,030.33	38.05	69.37	88.13	-4,823.42	4,920.60	6,582.04	6,474.66	107.38	61.299		
4,700.00	4,157.96	4,110.96	4,110.96	39.27	70.77	88.54	-4,823.42	4,920.60	6,579.91	6,469.89	110.01	59.810		
4,800.00	4,238.60	4,208.40	4,191.60	40.49	72.47	88.96	-4,823.42	4,920.60	6,578.31	6,465.36	112.94	58.244		
4,900.00	4,319.24	4,272.24	4,272.24	41.71	73.59	89.37	-4,823.42	4,920.60	6,577.24	6,461.95	115.29	57.052		
5,000.00	4,399.88	4,352.88	4,352.88	42.93	74.99	89.79	-4,823.42	4,920.60	6,576.70	6,458.78	117.92	55.773		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST VERT SHANNON ROBERTS 26-5 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,050.85	4,440.89	4,406.11	4,393.89	43.55	75.92	90.00	-4,823.42	4,920.60	6,576.63	6,457.16	119.47	55.048		
5,100.00	4,480.52	4,433.52	4,433.52	44.15	76.40	90.20	-4,823.42	4,920.60	6,576.70	6,456.15	120.55	54.555		
5,200.00	4,561.16	4,514.16	4,514.16	45.37	77.81	90.62	-4,823.42	4,920.60	6,577.23	6,454.04	123.18	53.395		
5,300.00	4,641.80	4,605.20	4,594.80	46.59	79.40	91.04	-4,823.42	4,920.60	6,578.28	6,452.29	125.99	52.213		
5,400.00	4,722.44	4,675.44	4,675.44	47.82	80.62	91.45	-4,823.42	4,920.60	6,579.87	6,451.44	128.43	51.232		
5,500.00	4,803.08	4,756.08	4,756.08	49.04	82.03	91.87	-4,823.42	4,920.60	6,582.00	6,450.94	131.05	50.224		
5,600.00	4,883.72	4,836.72	4,836.72	50.27	83.44	92.28	-4,823.42	4,920.60	6,584.65	6,450.98	133.67	49.260		
5,700.00	4,964.36	4,917.36	4,917.36	51.49	84.85	92.69	-4,823.42	4,920.60	6,587.83	6,451.54	136.29	48.338		
5,800.00	5,045.00	5,002.00	4,998.00	52.71	86.32	93.11	-4,823.42	4,920.60	6,591.54	6,452.57	138.97	47.432		
5,900.00	5,125.64	5,078.64	5,078.64	53.94	87.66	93.52	-4,823.42	4,920.60	6,595.78	6,454.27	141.50	46.612		
6,000.00	5,206.28	5,159.28	5,159.28	55.17	89.07	93.94	-4,823.42	4,920.60	6,600.54	6,456.44	144.11	45.804		
6,100.00	5,286.92	5,239.92	5,239.92	56.39	90.48	94.35	-4,823.42	4,920.60	6,605.84	6,459.13	146.70	45.029		
6,200.00	5,367.56	5,320.56	5,320.56	57.62	91.88	94.76	-4,823.42	4,920.60	6,611.65	6,462.36	149.29	44.286		
6,300.00	5,448.20	5,401.20	5,401.20	58.84	93.29	95.18	-4,823.42	4,920.60	6,617.99	6,466.11	151.88	43.573		
6,400.00	5,528.84	5,481.84	5,481.84	60.07	94.70	95.59	-4,823.42	4,920.60	6,624.85	6,470.39	154.46	42.889		
6,500.00	5,609.47	5,562.47	5,562.47	61.30	96.11	96.00	-4,823.42	4,920.60	6,632.24	6,475.20	157.04	42.233		
6,600.00	5,690.11	5,643.11	5,643.11	62.53	97.51	96.41	-4,823.42	4,920.60	6,640.14	6,480.53	159.61	41.602		
6,700.00	5,770.75	5,723.75	5,723.75	63.75	98.92	96.82	-4,823.42	4,920.60	6,648.55	6,486.38	162.17	40.996		
6,800.00	5,851.39	5,804.39	5,804.39	64.98	100.33	97.23	-4,823.42	4,920.60	6,657.49	6,492.75	164.73	40.414		
6,900.00	5,932.03	5,885.03	5,885.03	66.21	101.74	97.64	-4,823.42	4,920.60	6,666.93	6,499.65	167.28	39.854		
7,000.00	6,012.67	5,965.67	5,965.67	67.44	103.14	98.04	-4,823.42	4,920.60	6,676.89	6,507.06	169.83	39.315		
7,100.00	6,093.31	6,046.31	6,046.31	68.66	104.55	98.45	-4,823.42	4,920.60	6,687.35	6,514.98	172.37	38.797		
7,200.00	6,173.95	6,126.95	6,126.95	69.89	105.96	98.86	-4,823.42	4,920.60	6,698.32	6,523.42	174.90	38.298		
7,300.00	6,254.59	6,207.59	6,207.59	71.12	107.37	99.26	-4,823.42	4,920.60	6,709.79	6,532.37	177.42	37.818		
7,400.00	6,335.23	6,288.23	6,288.23	72.35	108.77	99.67	-4,823.42	4,920.60	6,721.76	6,541.82	179.94	37.356		
7,500.00	6,415.87	6,368.87	6,368.87	73.58	110.18	100.07	-4,823.42	4,920.60	6,734.23	6,551.78	182.45	36.910		
7,600.00	6,496.51	6,449.51	6,449.51	74.81	111.59	100.47	-4,823.42	4,920.60	6,747.20	6,562.25	184.95	36.481		
7,700.00	6,577.15	6,530.15	6,530.15	76.04	113.00	100.87	-4,823.42	4,920.60	6,760.66	6,573.21	187.45	36.067		
7,800.00	6,657.79	6,610.79	6,610.79	77.27	114.40	101.27	-4,823.42	4,920.60	6,774.61	6,584.68	189.93	35.669		
7,900.00	6,738.43	6,708.57	6,691.43	78.50	116.11	101.67	-4,823.42	4,920.60	6,789.04	6,596.33	192.71	35.229		
8,000.00	6,819.07	6,772.07	6,772.07	79.73	117.22	102.07	-4,823.42	4,920.60	6,803.96	6,609.08	194.88	34.914		
8,100.00	6,899.71	6,852.71	6,852.71	80.96	118.62	102.47	-4,823.42	4,920.60	6,819.36	6,622.02	197.34	34.556		
8,200.00	6,980.35	6,933.35	6,933.35	82.18	120.03	102.86	-4,823.42	4,920.60	6,835.23	6,635.44	199.80	34.211		
8,240.58	7,013.07	6,966.07	6,966.07	82.68	120.60	103.02	-4,823.42	4,920.60	6,841.81	6,641.02	200.79	34.075		
8,250.00	7,020.68	6,973.68	6,973.68	82.80	120.74	101.90	-4,823.42	4,920.60	6,843.27	6,642.25	201.02	34.043		
8,300.00	7,061.63	7,014.63	7,014.63	83.40	121.45	95.45	-4,823.42	4,920.60	6,848.58	6,646.33	202.25	33.862		
8,350.00	7,103.23	7,056.23	7,056.23	83.97	122.18	88.32	-4,823.42	4,920.60	6,849.71	6,646.23	203.49	33.662		
8,400.00	7,145.18	7,101.82	7,098.18	84.51	122.97	80.78	-4,823.42	4,920.60	6,846.66	6,641.88	204.78	33.434		
8,450.00	7,187.16	7,140.16	7,140.16	85.01	123.64	73.14	-4,823.42	4,920.60	6,839.44	6,633.52	205.93	33.213		
8,500.00	7,228.84	7,181.84	7,181.84	85.46	124.37	65.72	-4,823.42	4,920.60	6,828.10	6,620.99	207.10	32.969		
8,550.00	7,269.91	7,222.91	7,222.91	85.86	125.09	58.78	-4,823.42	4,920.60	6,812.70	6,604.46	208.24	32.715		
8,600.00	7,310.05	7,263.05	7,263.05	86.20	125.79	52.46	-4,823.42	4,920.60	6,793.35	6,584.02	209.33	32.453		
8,650.00	7,348.97	7,301.97	7,301.97	86.50	126.47	46.82	-4,823.42	4,920.60	6,770.19	6,559.83	210.36	32.183		
8,700.00	7,386.36	7,339.36	7,339.36	86.74	127.12	41.80	-4,823.42	4,920.60	6,743.38	6,532.05	211.33	31.909		
8,750.00	7,421.94	7,374.94	7,374.94	86.93	127.74	37.33	-4,823.42	4,920.60	6,713.10	6,500.88	212.23	31.632		
8,800.00	7,455.44	7,408.44	7,408.44	87.07	128.32	33.28	-4,823.42	4,920.60	6,679.58	6,466.53	213.05	31.352		
8,850.00	7,486.61	7,439.61	7,439.61	87.16	128.87	29.50	-4,823.42	4,920.60	6,643.05	6,429.26	213.79	31.073		
8,900.00	7,515.20	7,468.20	7,468.20	87.20	129.37	25.84	-4,823.42	4,920.60	6,603.78	6,389.33	214.45	30.794		
8,950.00	7,541.00	7,506.00	7,494.00	87.21	130.03	22.06	-4,823.42	4,920.60	6,562.05	6,346.82	215.24	30.488		
9,000.00	7,563.81	7,516.81	7,516.81	87.17	130.22	17.85	-4,823.42	4,920.60	6,518.18	6,302.67	215.51	30.245		
9,050.00	7,583.47	7,536.47	7,536.47	87.10	130.56	12.67	-4,823.42	4,920.60	6,472.49	6,256.58	215.91	29.977		
9,100.00	7,599.81	7,552.81	7,552.81	87.00	130.84	5.52	-4,823.42	4,920.60	6,425.32	6,209.10	216.22	29.716		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST VERT SHANNON ROBERTS 26-5 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,150.00	7,612.72	7,565.72	7,565.72	86.88	131.07	-5.74	-4,823.42	4,920.60	6,377.03	6,160.59	216.45	29.462		
9,200.00	7,622.09	7,575.09	7,575.09	86.72	131.23	-25.38	-4,823.42	4,920.60	6,327.99	6,111.41	216.58	29.218		
9,250.00	7,627.87	7,580.87	7,580.87	86.55	131.33	-56.87	-4,823.42	4,920.60	6,278.57	6,061.94	216.63	28.983		
9,303.98	7,630.00	7,583.00	7,583.00	86.35	131.37	-90.00	-4,823.42	4,920.60	6,225.24	6,008.65	216.59	28.742		
9,400.00	7,630.00	7,583.00	7,583.00	85.99	131.37	-90.00	-4,823.42	4,920.60	6,130.67	5,914.24	216.43	28.326		
9,500.00	7,630.00	7,583.00	7,583.00	85.62	131.37	-90.00	-4,823.42	4,920.60	6,032.24	5,815.97	216.26	27.893		
9,600.00	7,630.00	7,583.00	7,583.00	85.28	131.37	-90.00	-4,823.42	4,920.60	5,933.85	5,717.76	216.09	27.460		
9,700.00	7,630.00	7,583.00	7,583.00	84.95	131.37	-90.00	-4,823.42	4,920.60	5,835.52	5,619.62	215.91	27.028		
9,800.00	7,630.00	7,583.00	7,583.00	84.64	131.37	-90.00	-4,823.42	4,920.60	5,737.25	5,521.53	215.72	26.596		
9,900.00	7,630.00	7,583.00	7,583.00	84.34	131.37	-90.00	-4,823.42	4,920.60	5,639.04	5,423.51	215.53	26.164		
10,000.00	7,630.00	7,583.00	7,583.00	84.06	131.37	-90.00	-4,823.42	4,920.60	5,540.90	5,325.57	215.33	25.732		
10,100.00	7,630.00	7,583.00	7,583.00	83.80	131.37	-90.00	-4,823.42	4,920.60	5,442.82	5,227.69	215.13	25.300		
10,200.00	7,630.00	7,583.00	7,583.00	83.56	131.37	-90.00	-4,823.42	4,920.60	5,344.81	5,129.90	214.92	24.869		
10,300.00	7,630.00	7,583.00	7,583.00	83.33	131.37	-90.00	-4,823.42	4,920.60	5,246.88	5,032.18	214.70	24.438		
10,400.00	7,630.00	7,583.00	7,583.00	83.12	131.37	-90.00	-4,823.42	4,920.60	5,149.03	4,934.56	214.47	24.008		
10,500.00	7,630.00	7,583.00	7,583.00	82.92	131.37	-90.00	-4,823.42	4,920.60	5,051.26	4,837.02	214.24	23.578		
10,600.00	7,630.00	7,583.00	7,583.00	82.75	131.37	-90.00	-4,823.42	4,920.60	4,953.58	4,739.59	214.00	23.148		
10,700.00	7,630.00	7,583.00	7,583.00	82.59	131.37	-90.00	-4,823.42	4,920.60	4,856.00	4,642.25	213.75	22.718		
10,800.00	7,630.00	7,583.00	7,583.00	82.45	131.37	-90.00	-4,823.42	4,920.60	4,758.51	4,545.03	213.49	22.290		
10,900.00	7,630.00	7,583.00	7,583.00	82.33	131.37	-90.00	-4,823.42	4,920.60	4,661.14	4,447.92	213.22	21.861		
11,000.00	7,630.00	7,583.00	7,583.00	82.22	131.37	-90.00	-4,823.42	4,920.60	4,563.87	4,350.94	212.94	21.433		
11,100.00	7,630.00	7,583.00	7,583.00	82.14	131.37	-90.00	-4,823.42	4,920.60	4,466.73	4,254.08	212.65	21.005		
11,200.00	7,630.00	7,583.00	7,583.00	82.08	131.37	-90.00	-4,823.42	4,920.60	4,369.72	4,157.37	212.34	20.578		
11,300.00	7,630.00	7,583.00	7,583.00	82.04	131.37	-90.00	-4,823.42	4,920.60	4,272.84	4,060.81	212.03	20.152		
11,400.00	7,630.00	7,583.00	7,583.00	82.02	131.37	-90.00	-4,823.42	4,920.60	4,176.11	3,964.41	211.70	19.726		
11,500.00	7,630.00	7,583.00	7,583.00	82.03	131.37	-90.00	-4,823.42	4,920.60	4,079.54	3,868.18	211.36	19.301		
11,600.00	7,630.00	7,583.00	7,583.00	82.06	131.37	-90.00	-4,823.42	4,920.60	3,983.14	3,772.13	211.01	18.877		
11,700.00	7,630.00	7,583.00	7,583.00	82.12	131.37	-90.00	-4,823.42	4,920.60	3,886.92	3,676.28	210.64	18.453		
11,800.00	7,630.00	7,583.00	7,583.00	82.21	131.37	-90.00	-4,823.42	4,920.60	3,790.89	3,580.64	210.25	18.030		
11,900.00	7,630.00	7,583.00	7,583.00	82.33	131.37	-90.00	-4,823.42	4,920.60	3,695.08	3,485.23	209.85	17.608		
12,000.00	7,630.00	7,583.00	7,583.00	82.48	131.37	-90.00	-4,823.42	4,920.60	3,599.49	3,390.06	209.43	17.187		
12,100.00	7,630.00	7,583.00	7,583.00	82.66	131.37	-90.00	-4,823.42	4,920.60	3,504.15	3,295.16	208.99	16.767		
12,200.00	7,630.00	7,583.00	7,583.00	82.88	131.37	-90.00	-4,823.42	4,920.60	3,409.08	3,200.55	208.53	16.348		
12,300.00	7,630.00	7,583.00	7,583.00	83.14	131.37	-90.00	-4,823.42	4,920.60	3,314.29	3,106.24	208.05	15.930		
12,400.00	7,630.00	7,583.00	7,583.00	83.44	131.37	-90.00	-4,823.42	4,920.60	3,219.83	3,012.27	207.55	15.513		
12,500.00	7,630.00	7,583.00	7,583.00	83.79	131.37	-90.00	-4,823.42	4,920.60	3,125.70	2,918.67	207.03	15.098		
12,600.00	7,630.00	7,583.00	7,583.00	84.18	131.37	-90.00	-4,823.42	4,920.60	3,031.96	2,825.47	206.48	14.684		
12,700.00	7,630.00	7,583.00	7,583.00	84.61	131.37	-90.00	-4,823.42	4,920.60	2,938.62	2,732.71	205.92	14.271		
12,800.00	7,630.00	7,583.00	7,583.00	85.10	131.37	-90.00	-4,823.42	4,920.60	2,845.74	2,640.42	205.32	13.860		
12,900.00	7,630.00	7,583.00	7,583.00	85.64	131.37	-90.00	-4,823.42	4,920.60	2,753.36	2,548.65	204.71	13.450		
13,000.00	7,630.00	7,583.00	7,583.00	86.22	131.37	-90.00	-4,823.42	4,920.60	2,661.52	2,457.46	204.07	13.042		
13,100.00	7,630.00	7,583.00	7,583.00	86.86	131.37	-90.00	-4,823.42	4,920.60	2,570.30	2,366.90	203.40	12.636		
13,200.00	7,630.00	7,583.00	7,583.00	87.56	131.37	-90.00	-4,823.42	4,920.60	2,479.76	2,277.04	202.72	12.232		
13,300.00	7,630.00	7,583.00	7,583.00	88.30	131.37	-90.00	-4,823.42	4,920.60	2,389.96	2,187.94	202.02	11.830		
13,400.00	7,630.00	7,583.00	7,583.00	89.10	131.37	-90.00	-4,823.42	4,920.60	2,301.01	2,099.71	201.31	11.430		
13,500.00	7,630.00	7,583.00	7,583.00	89.94	131.37	-90.00	-4,823.42	4,920.60	2,213.01	2,012.42	200.59	11.033		
13,600.00	7,630.00	7,583.00	7,583.00	90.84	131.37	-90.00	-4,823.42	4,920.60	2,126.06	1,926.19	199.88	10.637		
13,700.00	7,630.00	7,583.00	7,583.00	91.78	131.37	-90.00	-4,823.42	4,920.60	2,040.31	1,841.13	199.18	10.243		
13,800.00	7,630.00	7,583.00	7,583.00	92.77	131.37	-90.00	-4,823.42	4,920.60	1,955.92	1,757.39	198.53	9.852		
13,900.00	7,630.00	7,583.00	7,583.00	93.79	131.37	-90.00	-4,823.42	4,920.60	1,873.06	1,675.13	197.94	9.463		
14,000.00	7,630.00	7,583.00	7,583.00	94.86	131.37	-90.00	-4,823.42	4,920.60	1,791.95	1,594.51	197.44	9.076		
14,100.00	7,630.00	7,583.00	7,583.00	95.97	131.37	-90.00	-4,823.42	4,920.60	1,712.84	1,515.75	197.09	8.691		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - EXIST VERT SHANNON ROBERTS 26-5 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,630.00	7,583.00	7,583.00	97.11	131.37	-90.00	-4,823.42	4,920.60	1,636.02	1,439.08	196.94	8.307		
14,300.00	7,630.00	7,583.00	7,583.00	98.28	131.37	-90.00	-4,823.42	4,920.60	1,561.83	1,364.77	197.06	7.926		
14,400.00	7,630.00	7,583.00	7,583.00	99.48	131.37	-90.00	-4,823.42	4,920.60	1,490.66	1,293.14	197.52	7.547		
14,500.00	7,630.00	7,583.00	7,583.00	100.72	131.37	-90.00	-4,823.42	4,920.60	1,422.95	1,224.53	198.42	7.171		
14,600.00	7,630.00	7,583.00	7,583.00	101.97	131.37	-90.00	-4,823.42	4,920.60	1,359.24	1,159.39	199.85	6.801		
14,700.00	7,630.00	7,583.00	7,583.00	103.26	131.37	-90.00	-4,823.42	4,920.60	1,300.10	1,098.21	201.89	6.440		
14,800.00	7,630.00	7,583.00	7,583.00	104.56	131.37	-90.00	-4,823.42	4,920.60	1,246.20	1,041.58	204.61	6.090		
14,900.00	7,630.00	7,583.00	7,583.00	105.89	131.37	-90.00	-4,823.42	4,920.60	1,198.23	990.20	208.03	5.760		
15,000.00	7,630.00	7,583.00	7,583.00	107.24	131.37	-90.00	-4,823.42	4,920.60	1,156.93	944.82	212.11	5.454		
15,100.00	7,630.00	7,583.00	7,583.00	108.60	131.37	-90.00	-4,823.42	4,920.60	1,123.04	906.28	216.76	5.181		
15,200.00	7,630.00	7,583.00	7,583.00	109.98	131.37	-90.00	-4,823.42	4,920.60	1,097.25	875.43	221.82	4.947		
15,300.00	7,630.00	7,583.00	7,583.00	111.38	131.37	-90.00	-4,823.42	4,920.60	1,080.14	853.07	227.07	4.757		
15,400.00	7,630.00	7,583.00	7,583.00	112.79	131.37	-90.00	-4,823.42	4,920.60	1,072.12	839.85	232.27	4.616		
15,436.31	7,630.00	7,583.00	7,583.00	113.31	131.37	-90.00	-4,823.42	4,920.60	1,071.50	837.40	234.10	4.577	CC	
15,500.00	7,630.00	7,583.00	7,583.00	114.22	131.37	-90.00	-4,823.42	4,920.60	1,073.40	836.20	237.20	4.525	ES	
15,600.00	7,630.00	7,583.00	7,583.00	115.66	131.37	-90.00	-4,823.42	4,920.60	1,083.94	842.30	241.64	4.486	SF	
15,700.00	7,630.00	7,583.00	7,583.00	117.11	131.37	-90.00	-4,823.42	4,920.60	1,103.47	858.00	245.47	4.495		
15,800.00	7,630.00	7,583.00	7,583.00	118.57	131.37	-90.00	-4,823.42	4,920.60	1,131.55	882.93	248.62	4.551		
15,900.00	7,630.00	7,583.00	7,583.00	120.05	131.37	-90.00	-4,823.42	4,920.60	1,167.53	916.45	251.08	4.650		
16,000.00	7,630.00	7,583.00	7,583.00	121.53	131.37	-90.00	-4,823.42	4,920.60	1,210.73	957.83	252.90	4.787		
16,100.00	7,630.00	7,583.00	7,583.00	123.03	131.37	-90.00	-4,823.42	4,920.60	1,260.40	1,006.24	254.16	4.959		
16,200.00	7,630.00	7,583.00	7,583.00	124.53	131.37	-90.00	-4,823.42	4,920.60	1,315.81	1,060.87	254.93	5.161		
16,300.00	7,630.00	7,583.00	7,583.00	126.04	131.37	-90.00	-4,823.42	4,920.60	1,376.26	1,120.93	255.33	5.390		
16,400.00	7,630.00	7,583.00	7,583.00	127.56	131.37	-90.00	-4,823.42	4,920.60	1,441.12	1,185.71	255.41	5.642		
16,500.00	7,630.00	7,583.00	7,583.00	129.09	131.37	-90.00	-4,823.42	4,920.60	1,509.82	1,254.56	255.26	5.915		
16,600.00	7,630.00	7,583.00	7,583.00	130.62	131.37	-90.00	-4,823.42	4,920.60	1,581.87	1,326.92	254.95	6.205		
16,700.00	7,630.00	7,583.00	7,583.00	132.16	131.37	-90.00	-4,823.42	4,920.60	1,656.82	1,402.32	254.50	6.510		
16,800.00	7,630.00	7,583.00	7,583.00	133.71	131.37	-90.00	-4,823.42	4,920.60	1,734.30	1,480.32	253.97	6.829		
16,900.00	7,630.00	7,583.00	7,583.00	135.27	131.37	-90.00	-4,823.42	4,920.60	1,813.98	1,560.60	253.38	7.159		
17,000.00	7,630.00	7,583.00	7,583.00	136.83	131.37	-90.00	-4,823.42	4,920.60	1,895.59	1,642.83	252.76	7.500		
17,100.00	7,630.00	7,583.00	7,583.00	138.39	131.37	-90.00	-4,823.42	4,920.60	1,978.89	1,726.77	252.12	7.849		
17,200.00	7,630.00	7,583.00	7,583.00	139.97	131.37	-90.00	-4,823.42	4,920.60	2,063.67	1,812.20	251.47	8.206		
17,300.00	7,630.00	7,583.00	7,583.00	141.54	131.37	-90.00	-4,823.42	4,920.60	2,149.76	1,898.93	250.83	8.571		
17,400.00	7,630.00	7,583.00	7,583.00	143.12	131.37	-90.00	-4,823.42	4,920.60	2,237.01	1,986.81	250.20	8.941		
17,500.00	7,630.00	7,583.00	7,583.00	144.71	131.37	-90.00	-4,823.42	4,920.60	2,325.29	2,075.71	249.58	9.317		
17,600.00	7,630.00	7,583.00	7,583.00	146.30	131.37	-90.00	-4,823.42	4,920.60	2,414.48	2,165.50	248.98	9.698		
17,700.00	7,630.00	7,583.00	7,583.00	147.90	131.37	-90.00	-4,823.42	4,920.60	2,504.48	2,256.08	248.40	10.083		
17,800.00	7,630.00	7,583.00	7,583.00	149.50	131.37	-90.00	-4,823.42	4,920.60	2,595.22	2,347.38	247.84	10.471		
17,900.00	7,630.00	7,583.00	7,583.00	151.10	131.37	-90.00	-4,823.42	4,920.60	2,686.62	2,439.32	247.30	10.864		
18,000.00	7,630.00	7,583.00	7,583.00	152.71	131.37	-90.00	-4,823.42	4,920.60	2,778.60	2,531.82	246.78	11.259		
18,100.00	7,630.00	7,583.00	7,583.00	154.32	131.37	-90.00	-4,823.42	4,920.60	2,871.13	2,624.84	246.29	11.658		
18,200.00	7,630.00	7,583.00	7,583.00	155.94	131.37	-90.00	-4,823.42	4,920.60	2,964.14	2,718.33	245.81	12.059		
18,300.00	7,630.00	7,583.00	7,583.00	157.56	131.37	-90.00	-4,823.42	4,920.60	3,057.59	2,812.23	245.36	12.462		
18,400.00	7,630.00	7,583.00	7,583.00	159.18	131.37	-90.00	-4,823.42	4,920.60	3,151.44	2,906.52	244.92	12.867		
18,500.00	7,630.00	7,583.00	7,583.00	160.80	131.37	-90.00	-4,823.42	4,920.60	3,245.66	3,001.16	244.51	13.274		
18,600.00	7,630.00	7,583.00	7,583.00	162.43	131.37	-90.00	-4,823.42	4,920.60	3,340.22	3,096.11	244.11	13.683		
18,700.00	7,630.00	7,583.00	7,583.00	164.06	131.37	-90.00	-4,823.42	4,920.60	3,435.09	3,191.36	243.73	14.094		
18,800.00	7,630.00	7,583.00	7,583.00	165.70	131.37	-90.00	-4,823.42	4,920.60	3,530.23	3,286.87	243.37	14.506		
18,900.00	7,630.00	7,583.00	7,583.00	167.33	131.37	-90.00	-4,823.42	4,920.60	3,625.64	3,382.62	243.02	14.919		
19,000.00	7,630.00	7,583.00	7,583.00	168.97	131.37	-90.00	-4,823.42	4,920.60	3,721.29	3,478.61	242.69	15.334		
19,021.79	7,630.00	7,583.00	7,583.00	169.33	131.37	-90.00	-4,823.42	4,920.60	3,742.17	3,499.55	242.62	15.424		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - SI VERT ALAUX 26-3 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	142.82	-4,087.85	3,100.14	5,130.48					
100.00	100.00	78.00	78.00	0.13	0.61	142.82	-4,087.85	3,100.14	5,130.44	5,129.70	0.74	6,930.855		
200.00	200.00	178.00	178.00	0.49	2.14	142.82	-4,087.85	3,100.14	5,130.44	5,127.81	2.63	1,950.049		
300.00	300.00	278.00	278.00	0.85	3.88	142.82	-4,087.85	3,100.14	5,130.44	5,125.70	4.73	1,083.576		
400.00	400.00	378.00	378.00	1.21	5.63	142.82	-4,087.85	3,100.14	5,130.44	5,123.60	6.84	750.225		
500.00	500.00	478.00	478.00	1.57	7.37	142.82	-4,087.85	3,100.14	5,130.44	5,121.50	8.94	573.725		
600.00	600.00	578.00	578.00	1.93	9.12	142.82	-4,087.85	3,100.14	5,130.44	5,119.39	11.05	464.456		
700.00	700.00	678.00	678.00	2.29	10.86	142.82	-4,087.85	3,100.14	5,130.44	5,117.29	13.15	390.149		
800.00	799.98	777.98	777.98	2.64	12.61	81.06	-4,087.85	3,100.14	5,130.17	5,114.92	15.25	336.425		
900.00	899.84	877.84	877.84	2.99	14.35	81.14	-4,087.85	3,100.14	5,129.35	5,112.01	17.34	295.727		
1,000.00	999.45	977.45	977.45	3.35	16.09	81.26	-4,087.85	3,100.14	5,128.02	5,108.57	19.44	263.743		
1,100.00	1,098.70	1,076.70	1,076.70	3.73	17.82	81.43	-4,087.85	3,100.14	5,126.17	5,104.62	21.55	237.914		
1,200.00	1,197.47	1,175.47	1,175.47	4.11	19.55	81.65	-4,087.85	3,100.14	5,123.84	5,100.18	23.66	216.587		
1,300.00	1,295.62	1,273.62	1,273.62	4.53	21.26	81.91	-4,087.85	3,100.14	5,121.06	5,095.28	25.78	198.647		
1,400.00	1,393.06	1,371.06	1,371.06	4.97	22.96	82.21	-4,087.85	3,100.14	5,117.87	5,089.95	27.92	183.320		
1,500.00	1,489.64	1,467.64	1,467.64	5.44	24.65	82.56	-4,087.85	3,100.14	5,114.32	5,084.25	30.08	170.051		
1,600.00	1,585.27	1,563.27	1,563.27	5.95	26.32	82.95	-4,087.85	3,100.14	5,110.47	5,078.22	32.26	158.436		
1,700.00	1,679.82	1,657.82	1,657.82	6.51	27.97	83.37	-4,087.85	3,100.14	5,106.38	5,071.91	34.46	148.169		
1,800.00	1,773.17	1,751.17	1,751.17	7.13	29.60	83.83	-4,087.85	3,100.14	5,102.10	5,065.40	36.70	139.020		
1,900.00	1,865.21	1,843.21	1,843.21	7.79	31.20	84.32	-4,087.85	3,100.14	5,097.73	5,058.76	38.97	130.811		
2,000.00	1,955.84	1,933.84	1,933.84	8.51	32.78	84.84	-4,087.85	3,100.14	5,093.33	5,052.06	41.27	123.402		
2,100.00	2,044.94	2,022.94	2,022.94	9.30	34.34	85.38	-4,087.85	3,100.14	5,088.99	5,045.38	43.61	116.680		
2,200.00	2,132.39	2,110.39	2,110.39	10.15	35.86	85.94	-4,087.85	3,100.14	5,084.80	5,038.81	45.99	110.557		
2,300.00	2,218.11	2,203.89	2,196.11	11.07	37.50	86.52	-4,087.85	3,100.14	5,080.85	5,032.31	48.54	104.665		
2,400.00	2,301.97	2,279.97	2,279.97	12.06	38.82	87.10	-4,087.85	3,100.14	5,077.24	5,026.38	50.86	99.825		
2,500.00	2,383.88	2,361.88	2,361.88	13.11	40.25	87.70	-4,087.85	3,100.14	5,074.07	5,020.72	53.35	95.106		
2,512.74	2,394.17	2,372.17	2,372.17	13.25	40.43	87.77	-4,087.85	3,100.14	5,073.70	5,020.03	53.67	94.533		
2,600.00	2,464.54	2,442.54	2,442.54	14.22	41.66	88.24	-4,087.85	3,100.14	5,071.48	5,015.61	55.87	90.769		
2,700.00	2,545.18	2,523.18	2,523.18	15.35	43.07	88.78	-4,087.85	3,100.14	5,069.57	5,011.16	58.41	86.789		
2,800.00	2,625.82	2,603.82	2,603.82	16.50	44.48	89.32	-4,087.85	3,100.14	5,068.36	5,007.39	60.97	83.132		
2,900.00	2,706.45	2,684.45	2,684.45	17.65	45.88	89.86	-4,087.85	3,100.14	5,067.83	5,004.30	63.53	79.766		
2,926.29	2,727.66	2,705.66	2,705.66	17.96	46.25	90.00	-4,087.85	3,100.14	5,067.81	5,003.60	64.21	78.924		
3,000.00	2,787.09	2,765.09	2,765.09	18.82	47.29	90.40	-4,087.85	3,100.14	5,067.99	5,001.89	66.11	76.661		
3,100.00	2,867.73	2,845.73	2,845.73	19.99	48.70	90.94	-4,087.85	3,100.14	5,068.85	5,000.16	68.69	73.793		
3,200.00	2,948.37	2,926.37	2,926.37	21.17	50.11	91.48	-4,087.85	3,100.14	5,070.39	4,999.12	71.28	71.138		
3,300.00	3,029.01	3,007.01	3,007.01	22.36	51.51	92.01	-4,087.85	3,100.14	5,072.62	4,998.76	73.86	68.675		
3,400.00	3,109.65	3,087.65	3,087.65	23.55	52.92	92.55	-4,087.85	3,100.14	5,075.54	4,999.09	76.45	66.386		
3,500.00	3,190.29	3,168.29	3,168.29	24.74	54.33	93.09	-4,087.85	3,100.14	5,079.15	5,000.10	79.05	64.256		
3,600.00	3,270.93	3,248.93	3,248.93	25.94	55.74	93.63	-4,087.85	3,100.14	5,083.44	5,001.81	81.64	62.269		
3,700.00	3,351.57	3,329.57	3,329.57	27.14	57.14	94.16	-4,087.85	3,100.14	5,088.42	5,004.19	84.23	60.414		
3,800.00	3,432.21	3,410.21	3,410.21	28.35	58.55	94.70	-4,087.85	3,100.14	5,094.08	5,007.26	86.81	58.678		
3,900.00	3,512.85	3,509.15	3,490.85	29.56	60.28	95.24	-4,087.85	3,100.14	5,100.42	5,010.70	89.72	56.850		
4,000.00	3,593.49	3,571.49	3,571.49	30.76	61.37	95.77	-4,087.85	3,100.14	5,107.43	5,015.45	91.98	55.528		
4,100.00	3,674.13	3,652.13	3,652.13	31.97	62.77	96.30	-4,087.85	3,100.14	5,115.12	5,020.56	94.56	54.096		
4,200.00	3,754.77	3,732.77	3,732.77	33.19	64.18	96.83	-4,087.85	3,100.14	5,123.48	5,026.35	97.13	52.749		
4,300.00	3,835.41	3,813.41	3,813.41	34.40	65.59	97.37	-4,087.85	3,100.14	5,132.51	5,032.81	99.70	51.481		
4,400.00	3,916.05	3,905.95	3,894.05	35.62	67.20	97.90	-4,087.85	3,100.14	5,142.20	5,039.73	102.47	50.184		
4,500.00	3,996.69	3,974.69	3,974.69	36.83	68.40	98.42	-4,087.85	3,100.14	5,152.55	5,047.74	104.81	49.159		
4,600.00	4,077.33	4,055.33	4,055.33	38.05	69.81	98.95	-4,087.85	3,100.14	5,163.56	5,056.20	107.36	48.094		
4,700.00	4,157.96	4,135.96	4,135.96	39.27	71.22	99.48	-4,087.85	3,100.14	5,175.22	5,065.31	109.91	47.087		
4,800.00	4,238.60	4,216.60	4,216.60	40.49	72.62	100.00	-4,087.85	3,100.14	5,187.53	5,075.09	112.44	46.135		
4,900.00	4,319.24	4,302.76	4,297.24	41.71	74.13	100.52	-4,087.85	3,100.14	5,200.48	5,085.42	115.07	45.196		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - SI VERT ALAUX 26-3 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	4,399.88	4,377.88	4,377.88	42.93	75.44	101.04	-4,087.85	3,100.14	5,214.08	5,096.59	117.49	44.379		
5,100.00	4,480.52	4,458.52	4,458.52	44.15	76.85	101.56	-4,087.85	3,100.14	5,228.30	5,108.30	120.00	43.569		
5,200.00	4,561.16	4,539.16	4,539.16	45.37	78.25	102.08	-4,087.85	3,100.14	5,243.15	5,120.65	122.50	42.800		
5,300.00	4,641.80	4,619.80	4,619.80	46.59	79.66	102.59	-4,087.85	3,100.14	5,258.63	5,133.63	125.00	42.069		
5,400.00	4,722.44	4,700.44	4,700.44	47.82	81.07	103.10	-4,087.85	3,100.14	5,274.73	5,147.24	127.48	41.375		
5,500.00	4,803.08	4,781.08	4,781.08	49.04	82.48	103.61	-4,087.85	3,100.14	5,291.43	5,161.47	129.96	40.716		
5,600.00	4,883.72	4,861.72	4,861.72	50.27	83.88	104.12	-4,087.85	3,100.14	5,308.74	5,176.32	132.43	40.088		
5,700.00	4,964.36	4,942.36	4,942.36	51.49	85.29	104.63	-4,087.85	3,100.14	5,326.66	5,191.77	134.88	39.491		
5,800.00	5,045.00	5,023.00	5,023.00	52.71	86.70	105.13	-4,087.85	3,100.14	5,345.16	5,207.83	137.33	38.922		
5,900.00	5,125.64	5,103.64	5,103.64	53.94	88.11	105.63	-4,087.85	3,100.14	5,364.26	5,224.49	139.77	38.379		
6,000.00	5,206.28	5,184.28	5,184.28	55.17	89.51	106.13	-4,087.85	3,100.14	5,383.94	5,241.74	142.20	37.863		
6,100.00	5,286.92	5,264.92	5,264.92	56.39	90.92	106.63	-4,087.85	3,100.14	5,404.19	5,259.58	144.61	37.370		
6,200.00	5,367.56	5,345.56	5,345.56	57.62	92.33	107.12	-4,087.85	3,100.14	5,425.01	5,277.99	147.02	36.900		
6,300.00	5,448.20	5,426.20	5,426.20	58.84	93.74	107.61	-4,087.85	3,100.14	5,446.40	5,296.98	149.42	36.451		
6,400.00	5,528.84	5,506.84	5,506.84	60.07	95.14	108.10	-4,087.85	3,100.14	5,468.34	5,316.53	151.80	36.022		
6,500.00	5,609.47	5,587.47	5,587.47	61.30	96.55	108.59	-4,087.85	3,100.14	5,490.83	5,336.65	154.18	35.613		
6,600.00	5,690.11	5,668.11	5,668.11	62.53	97.96	109.07	-4,087.85	3,100.14	5,513.86	5,357.31	156.54	35.222		
6,700.00	5,770.75	5,748.75	5,748.75	63.75	99.37	109.55	-4,087.85	3,100.14	5,537.43	5,378.53	158.90	34.849		
6,800.00	5,851.39	5,829.39	5,829.39	64.98	100.77	110.03	-4,087.85	3,100.14	5,561.52	5,400.28	161.24	34.491		
6,900.00	5,932.03	5,910.03	5,910.03	66.21	102.18	110.50	-4,087.85	3,100.14	5,586.14	5,422.57	163.58	34.150		
7,000.00	6,012.67	6,009.33	6,009.33	67.44	103.91	110.97	-4,087.85	3,100.14	5,611.28	5,445.05	166.23	33.757		
7,100.00	6,093.31	6,071.31	6,071.31	68.66	105.00	111.44	-4,087.85	3,100.14	5,636.92	5,468.71	168.21	33.511		
7,200.00	6,173.95	6,151.95	6,151.95	69.89	106.40	111.91	-4,087.85	3,100.14	5,663.06	5,492.55	170.51	33.212		
7,300.00	6,254.59	6,232.59	6,232.59	71.12	107.81	112.37	-4,087.85	3,100.14	5,689.70	5,516.90	172.81	32.925		
7,400.00	6,335.23	6,313.23	6,313.23	72.35	109.22	112.83	-4,087.85	3,100.14	5,716.83	5,541.74	175.09	32.651		
7,500.00	6,415.87	6,406.13	6,393.87	73.58	110.84	113.29	-4,087.85	3,100.14	5,744.44	5,566.86	177.57	32.350		
7,600.00	6,496.51	6,474.51	6,474.51	74.81	112.03	113.74	-4,087.85	3,100.14	5,772.52	5,592.90	179.62	32.138		
7,700.00	6,577.15	6,555.15	6,555.15	76.04	113.44	114.19	-4,087.85	3,100.14	5,801.07	5,619.20	181.87	31.897		
7,800.00	6,657.79	6,635.79	6,635.79	77.27	114.85	114.64	-4,087.85	3,100.14	5,830.07	5,645.97	184.11	31.667		
7,900.00	6,738.43	6,716.43	6,716.43	78.50	116.26	115.08	-4,087.85	3,100.14	5,859.54	5,673.20	186.34	31.446		
8,000.00	6,819.07	6,802.93	6,797.07	79.73	117.76	115.52	-4,087.85	3,100.14	5,889.44	5,700.78	188.66	31.217		
8,100.00	6,899.71	6,877.71	6,877.71	80.96	119.07	115.96	-4,087.85	3,100.14	5,919.79	5,729.02	190.77	31.031		
8,200.00	6,980.35	6,958.35	6,958.35	82.18	120.48	116.39	-4,087.85	3,100.14	5,950.57	5,757.60	192.97	30.837		
8,240.58	7,013.07	7,008.93	6,991.07	82.68	121.36	116.57	-4,087.85	3,100.14	5,963.18	5,769.01	194.17	30.711		
8,250.00	7,020.68	7,001.32	6,998.68	82.80	121.23	115.40	-4,087.85	3,100.14	5,966.05	5,771.94	194.11	30.735		
8,300.00	7,061.63	7,039.63	7,039.63	83.40	121.90	108.81	-4,087.85	3,100.14	5,978.83	5,783.65	195.18	30.633		
8,350.00	7,103.23	7,081.23	7,081.23	83.97	122.62	101.64	-4,087.85	3,100.14	5,987.47	5,791.16	196.31	30.500		
8,400.00	7,145.18	7,123.18	7,123.18	84.51	123.35	94.15	-4,087.85	3,100.14	5,991.91	5,794.46	197.45	30.347		
8,450.00	7,187.16	7,165.16	7,165.16	85.01	124.09	86.66	-4,087.85	3,100.14	5,992.12	5,793.54	198.58	30.174		
8,500.00	7,228.84	7,206.84	7,206.84	85.46	124.81	79.50	-4,087.85	3,100.14	5,988.11	5,788.41	199.70	29.985		
8,550.00	7,269.91	7,247.91	7,247.91	85.86	125.53	72.93	-4,087.85	3,100.14	5,979.91	5,779.11	200.80	29.781		
8,600.00	7,310.05	7,288.05	7,288.05	86.20	126.23	67.12	-4,087.85	3,100.14	5,967.58	5,765.72	201.86	29.563		
8,650.00	7,348.97	7,326.97	7,326.97	86.50	126.91	62.13	-4,087.85	3,100.14	5,951.20	5,748.33	202.88	29.334		
8,700.00	7,386.36	7,364.36	7,364.36	86.74	127.56	57.95	-4,087.85	3,100.14	5,930.90	5,727.06	203.84	29.096		
8,750.00	7,421.94	7,400.06	7,399.94	86.93	128.19	54.53	-4,087.85	3,100.14	5,906.83	5,702.07	204.75	28.849		
8,800.00	7,455.44	7,433.44	7,433.44	87.07	128.77	51.82	-4,087.85	3,100.14	5,879.15	5,673.55	205.60	28.595		
8,850.00	7,486.61	7,464.61	7,464.61	87.16	129.31	49.76	-4,087.85	3,100.14	5,848.07	5,641.69	206.38	28.337		
8,900.00	7,515.20	7,506.80	7,493.20	87.20	130.05	48.32	-4,087.85	3,100.14	5,813.81	5,606.48	207.32	28.042		
8,950.00	7,541.00	7,519.00	7,519.00	87.21	130.26	47.49	-4,087.85	3,100.14	5,776.61	5,568.89	207.72	27.810		
9,000.00	7,563.81	7,541.81	7,541.81	87.17	130.66	47.30	-4,087.85	3,100.14	5,736.75	5,528.47	208.27	27.544		
9,050.00	7,583.47	7,561.47	7,561.47	87.10	131.00	47.85	-4,087.85	3,100.14	5,694.50	5,485.75	208.75	27.279		
9,100.00	7,599.81	7,577.81	7,577.81	87.00	131.29	49.36	-4,087.85	3,100.14	5,650.19	5,441.04	209.15	27.016		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - SI VERT ALAUX 26-3 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,150.00	7,612.72	7,609.28	7,590.72	86.88	131.84	52.26	-4,087.85	3,100.14	5,604.12	5,394.34	209.79	26.714		
9,200.00	7,622.09	7,600.09	7,600.09	86.72	131.68	57.52	-4,087.85	3,100.14	5,556.64	5,346.94	209.70	26.498		
9,250.00	7,627.87	7,605.87	7,605.87	86.55	131.78	67.41	-4,087.85	3,100.14	5,508.09	5,298.23	209.85	26.247		
9,303.98	7,630.00	7,608.00	7,608.00	86.35	131.82	90.00	-4,087.85	3,100.14	5,454.89	5,244.95	209.94	25.983		
9,400.00	7,630.00	7,608.00	7,608.00	85.99	131.82	90.00	-4,087.85	3,100.14	5,359.80	5,149.79	210.01	25.522		
9,500.00	7,630.00	7,608.00	7,608.00	85.62	131.82	90.00	-4,087.85	3,100.14	5,260.80	5,050.72	210.08	25.042		
9,600.00	7,630.00	7,608.00	7,608.00	85.28	131.82	90.00	-4,087.85	3,100.14	5,161.85	4,951.69	210.16	24.562		
9,700.00	7,630.00	7,608.00	7,608.00	84.95	131.82	90.00	-4,087.85	3,100.14	5,062.93	4,852.69	210.24	24.082		
9,800.00	7,630.00	7,608.00	7,608.00	84.64	131.82	90.00	-4,087.85	3,100.14	4,964.06	4,753.74	210.32	23.602		
9,900.00	7,630.00	7,608.00	7,608.00	84.34	131.82	90.00	-4,087.85	3,100.14	4,865.24	4,654.83	210.41	23.122		
10,000.00	7,630.00	7,608.00	7,608.00	84.06	131.82	90.00	-4,087.85	3,100.14	4,766.46	4,555.96	210.51	22.643		
10,100.00	7,630.00	7,608.00	7,608.00	83.80	131.82	90.00	-4,087.85	3,100.14	4,667.74	4,457.14	210.60	22.164		
10,200.00	7,630.00	7,608.00	7,608.00	83.56	131.82	90.00	-4,087.85	3,100.14	4,569.07	4,358.37	210.71	21.685		
10,300.00	7,630.00	7,608.00	7,608.00	83.33	131.82	90.00	-4,087.85	3,100.14	4,470.46	4,259.65	210.81	21.206		
10,400.00	7,630.00	7,608.00	7,608.00	83.12	131.82	90.00	-4,087.85	3,100.14	4,371.92	4,160.99	210.93	20.727		
10,500.00	7,630.00	7,608.00	7,608.00	82.92	131.82	90.00	-4,087.85	3,100.14	4,273.44	4,062.40	211.04	20.249		
10,600.00	7,630.00	7,608.00	7,608.00	82.75	131.82	90.00	-4,087.85	3,100.14	4,175.04	3,963.87	211.17	19.771		
10,700.00	7,630.00	7,608.00	7,608.00	82.59	131.82	90.00	-4,087.85	3,100.14	4,076.71	3,865.41	211.30	19.294		
10,800.00	7,630.00	7,608.00	7,608.00	82.45	131.82	90.00	-4,087.85	3,100.14	3,978.47	3,767.03	211.44	18.816		
10,900.00	7,630.00	7,608.00	7,608.00	82.33	131.82	90.00	-4,087.85	3,100.14	3,880.31	3,668.73	211.58	18.340		
11,000.00	7,630.00	7,608.00	7,608.00	82.22	131.82	90.00	-4,087.85	3,100.14	3,782.25	3,570.52	211.73	17.863		
11,100.00	7,630.00	7,608.00	7,608.00	82.14	131.82	90.00	-4,087.85	3,100.14	3,684.30	3,472.41	211.89	17.387		
11,200.00	7,630.00	7,608.00	7,608.00	82.08	131.82	90.00	-4,087.85	3,100.14	3,586.46	3,374.40	212.06	16.912		
11,300.00	7,630.00	7,608.00	7,608.00	82.04	131.82	90.00	-4,087.85	3,100.14	3,488.74	3,276.50	212.24	16.437		
11,400.00	7,630.00	7,608.00	7,608.00	82.02	131.82	90.00	-4,087.85	3,100.14	3,391.16	3,178.72	212.43	15.963		
11,500.00	7,630.00	7,608.00	7,608.00	82.03	131.82	90.00	-4,087.85	3,100.14	3,293.72	3,081.08	212.64	15.490		
11,600.00	7,630.00	7,608.00	7,608.00	82.06	131.82	90.00	-4,087.85	3,100.14	3,196.44	2,983.59	212.85	15.017		
11,700.00	7,630.00	7,608.00	7,608.00	82.12	131.82	90.00	-4,087.85	3,100.14	3,099.33	2,886.25	213.08	14.546		
11,800.00	7,630.00	7,608.00	7,608.00	82.21	131.82	90.00	-4,087.85	3,100.14	3,002.41	2,789.09	213.32	14.075		
11,900.00	7,630.00	7,608.00	7,608.00	82.33	131.82	90.00	-4,087.85	3,100.14	2,905.70	2,692.12	213.58	13.605		
12,000.00	7,630.00	7,608.00	7,608.00	82.48	131.82	90.00	-4,087.85	3,100.14	2,809.22	2,595.37	213.85	13.136		
12,100.00	7,630.00	7,608.00	7,608.00	82.66	131.82	90.00	-4,087.85	3,100.14	2,713.00	2,498.85	214.15	12.669		
12,200.00	7,630.00	7,608.00	7,608.00	82.88	131.82	90.00	-4,087.85	3,100.14	2,617.06	2,402.59	214.46	12.203		
12,300.00	7,630.00	7,608.00	7,608.00	83.14	131.82	90.00	-4,087.85	3,100.14	2,521.43	2,306.63	214.80	11.739		
12,400.00	7,630.00	7,608.00	7,608.00	83.44	131.82	90.00	-4,087.85	3,100.14	2,426.16	2,211.00	215.16	11.276		
12,500.00	7,630.00	7,608.00	7,608.00	83.79	131.82	90.00	-4,087.85	3,100.14	2,331.28	2,115.73	215.55	10.815		
12,600.00	7,630.00	7,608.00	7,608.00	84.18	131.82	90.00	-4,087.85	3,100.14	2,236.85	2,020.88	215.97	10.357		
12,700.00	7,630.00	7,608.00	7,608.00	84.61	131.82	90.00	-4,087.85	3,100.14	2,142.92	1,926.50	216.42	9.901		
12,800.00	7,630.00	7,608.00	7,608.00	85.10	131.82	90.00	-4,087.85	3,100.14	2,049.57	1,832.66	216.92	9.449		
12,900.00	7,630.00	7,608.00	7,608.00	85.64	131.82	90.00	-4,087.85	3,100.14	1,956.88	1,739.43	217.45	8.999		
13,000.00	7,630.00	7,608.00	7,608.00	86.22	131.82	90.00	-4,087.85	3,100.14	1,864.94	1,646.92	218.02	8.554		
13,100.00	7,630.00	7,608.00	7,608.00	86.86	131.82	90.00	-4,087.85	3,100.14	1,773.88	1,555.23	218.64	8.113		
13,200.00	7,630.00	7,608.00	7,608.00	87.56	131.82	90.00	-4,087.85	3,100.14	1,683.82	1,464.50	219.32	7.677		
13,300.00	7,630.00	7,608.00	7,608.00	88.30	131.82	90.00	-4,087.85	3,100.14	1,594.96	1,374.91	220.05	7.248		
13,400.00	7,630.00	7,608.00	7,608.00	89.10	131.82	90.00	-4,087.85	3,100.14	1,507.49	1,286.64	220.84	6.826		
13,500.00	7,630.00	7,608.00	7,608.00	89.94	131.82	90.00	-4,087.85	3,100.14	1,421.67	1,199.97	221.70	6.413		
13,600.00	7,630.00	7,608.00	7,608.00	90.84	131.82	90.00	-4,087.85	3,100.14	1,337.82	1,115.21	222.61	6.010		
13,700.00	7,630.00	7,608.00	7,608.00	91.78	131.82	90.00	-4,087.85	3,100.14	1,256.34	1,032.77	223.58	5.619		
13,800.00	7,630.00	7,608.00	7,608.00	92.77	131.82	90.00	-4,087.85	3,100.14	1,177.72	953.14	224.58	5.244		
13,900.00	7,630.00	7,608.00	7,608.00	93.79	131.82	90.00	-4,087.85	3,100.14	1,102.57	876.97	225.60	4.887		
14,000.00	7,630.00	7,608.00	7,608.00	94.86	131.82	90.00	-4,087.85	3,100.14	1,031.64	805.06	226.58	4.553		
14,100.00	7,630.00	7,608.00	7,608.00	95.97	131.82	90.00	-4,087.85	3,100.14	965.87	738.41	227.46	4.246		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - SI VERT ALAUX 26-3 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,630.00	7,608.00	7,608.00	97.11	131.82	90.00	-4,087.85	3,100.14	906.39	678.25	228.14	3.973		
14,300.00	7,630.00	7,608.00	7,608.00	98.28	131.82	90.00	-4,087.85	3,100.14	854.50	626.04	228.46	3.740		
14,400.00	7,630.00	7,608.00	7,608.00	99.48	131.82	90.00	-4,087.85	3,100.14	811.66	583.41	228.26	3.556		
14,500.00	7,630.00	7,608.00	7,608.00	100.72	131.82	90.00	-4,087.85	3,100.14	779.37	552.01	227.37	3.428		
14,600.00	7,630.00	7,608.00	7,608.00	101.97	131.82	90.00	-4,087.85	3,100.14	758.98	533.30	225.68	3.363 SF		
14,700.00	7,630.00	7,608.00	7,608.00	103.26	131.82	90.00	-4,087.85	3,100.14	751.45	528.25	223.20	3.367 ES		
14,706.86	7,630.00	7,608.00	7,608.00	103.35	131.82	90.00	-4,087.85	3,100.14	751.42	528.42	223.00	3.370 CC		
14,800.00	7,630.00	7,608.00	7,608.00	104.56	131.82	90.00	-4,087.85	3,100.14	757.17	537.08	220.09	3.440		
14,900.00	7,630.00	7,608.00	7,608.00	105.89	131.82	90.00	-4,087.85	3,100.14	775.84	559.22	216.62	3.582		
15,000.00	7,630.00	7,608.00	7,608.00	107.24	131.82	90.00	-4,087.85	3,100.14	806.57	593.43	213.15	3.784		
15,100.00	7,630.00	7,608.00	7,608.00	108.60	131.82	90.00	-4,087.85	3,100.14	848.05	638.12	209.93	4.040		
15,200.00	7,630.00	7,608.00	7,608.00	109.98	131.82	90.00	-4,087.85	3,100.14	898.79	691.63	207.15	4.339		
15,300.00	7,630.00	7,608.00	7,608.00	111.38	131.82	90.00	-4,087.85	3,100.14	957.31	752.42	204.89	4.672		
15,400.00	7,630.00	7,608.00	7,608.00	112.79	131.82	90.00	-4,087.85	3,100.14	1,022.29	819.16	203.12	5.033		
15,500.00	7,630.00	7,608.00	7,608.00	114.22	131.82	90.00	-4,087.85	3,100.14	1,092.57	890.77	201.80	5.414		
15,600.00	7,630.00	7,608.00	7,608.00	115.66	131.82	90.00	-4,087.85	3,100.14	1,167.19	966.35	200.84	5.811		
15,700.00	7,630.00	7,608.00	7,608.00	117.11	131.82	90.00	-4,087.85	3,100.14	1,245.37	1,045.20	200.18	6.221		
15,800.00	7,630.00	7,608.00	7,608.00	118.57	131.82	90.00	-4,087.85	3,100.14	1,326.49	1,126.75	199.74	6.641		
15,900.00	7,630.00	7,608.00	7,608.00	120.05	131.82	90.00	-4,087.85	3,100.14	1,410.04	1,210.57	199.47	7.069		
16,000.00	7,630.00	7,608.00	7,608.00	121.53	131.82	90.00	-4,087.85	3,100.14	1,495.61	1,296.28	199.33	7.503		
16,100.00	7,630.00	7,608.00	7,608.00	123.03	131.82	90.00	-4,087.85	3,100.14	1,582.87	1,383.58	199.29	7.943		
16,200.00	7,630.00	7,608.00	7,608.00	124.53	131.82	90.00	-4,087.85	3,100.14	1,671.56	1,472.25	199.31	8.387		
16,300.00	7,630.00	7,608.00	7,608.00	126.04	131.82	90.00	-4,087.85	3,100.14	1,761.46	1,562.08	199.38	8.835		
16,400.00	7,630.00	7,608.00	7,608.00	127.56	131.82	90.00	-4,087.85	3,100.14	1,852.39	1,652.90	199.49	9.286		
16,500.00	7,630.00	7,608.00	7,608.00	129.09	131.82	90.00	-4,087.85	3,100.14	1,944.22	1,744.60	199.62	9.740		
16,600.00	7,630.00	7,608.00	7,608.00	130.62	131.82	90.00	-4,087.85	3,100.14	2,036.81	1,837.05	199.77	10.196		
16,700.00	7,630.00	7,608.00	7,608.00	132.16	131.82	90.00	-4,087.85	3,100.14	2,130.08	1,930.15	199.93	10.654		
16,800.00	7,630.00	7,608.00	7,608.00	133.71	131.82	90.00	-4,087.85	3,100.14	2,223.93	2,023.84	200.09	11.115		
16,900.00	7,630.00	7,608.00	7,608.00	135.27	131.82	90.00	-4,087.85	3,100.14	2,318.30	2,118.03	200.26	11.576		
17,000.00	7,630.00	7,608.00	7,608.00	136.83	131.82	90.00	-4,087.85	3,100.14	2,413.11	2,212.68	200.43	12.040		
17,100.00	7,630.00	7,608.00	7,608.00	138.39	131.82	90.00	-4,087.85	3,100.14	2,508.34	2,307.73	200.60	12.504		
17,200.00	7,630.00	7,608.00	7,608.00	139.97	131.82	90.00	-4,087.85	3,100.14	2,603.92	2,403.14	200.77	12.970		
17,300.00	7,630.00	7,608.00	7,608.00	141.54	131.82	90.00	-4,087.85	3,100.14	2,699.82	2,498.88	200.94	13.436		
17,400.00	7,630.00	7,608.00	7,608.00	143.12	131.82	90.00	-4,087.85	3,100.14	2,796.00	2,594.90	201.10	13.903		
17,500.00	7,630.00	7,608.00	7,608.00	144.71	131.82	90.00	-4,087.85	3,100.14	2,892.45	2,691.19	201.26	14.372		
17,600.00	7,630.00	7,608.00	7,608.00	146.30	131.82	90.00	-4,087.85	3,100.14	2,989.13	2,787.71	201.42	14.840		
17,700.00	7,630.00	7,608.00	7,608.00	147.90	131.82	90.00	-4,087.85	3,100.14	3,086.02	2,884.45	201.57	15.310		
17,800.00	7,630.00	7,608.00	7,608.00	149.50	131.82	90.00	-4,087.85	3,100.14	3,183.10	2,981.38	201.72	15.780		
17,900.00	7,630.00	7,608.00	7,608.00	151.10	131.82	90.00	-4,087.85	3,100.14	3,280.36	3,078.50	201.86	16.250		
18,000.00	7,630.00	7,608.00	7,608.00	152.71	131.82	90.00	-4,087.85	3,100.14	3,377.78	3,175.78	202.00	16.721		
18,100.00	7,630.00	7,608.00	7,608.00	154.32	131.82	90.00	-4,087.85	3,100.14	3,475.35	3,273.21	202.14	17.193		
18,200.00	7,630.00	7,608.00	7,608.00	155.94	131.82	90.00	-4,087.85	3,100.14	3,573.05	3,370.77	202.27	17.664		
18,300.00	7,630.00	7,608.00	7,608.00	157.56	131.82	90.00	-4,087.85	3,100.14	3,670.87	3,468.47	202.40	18.136		
18,400.00	7,630.00	7,608.00	7,608.00	159.18	131.82	90.00	-4,087.85	3,100.14	3,768.81	3,566.28	202.53	18.609		
18,500.00	7,630.00	7,608.00	7,608.00	160.80	131.82	90.00	-4,087.85	3,100.14	3,866.85	3,664.20	202.65	19.081		
18,600.00	7,630.00	7,608.00	7,608.00	162.43	131.82	90.00	-4,087.85	3,100.14	3,964.99	3,762.22	202.77	19.554		
18,700.00	7,630.00	7,608.00	7,608.00	164.06	131.82	90.00	-4,087.85	3,100.14	4,063.22	3,860.33	202.89	20.027		
18,800.00	7,630.00	7,608.00	7,608.00	165.70	131.82	90.00	-4,087.85	3,100.14	4,161.54	3,958.54	203.01	20.500		
18,900.00	7,630.00	7,608.00	7,608.00	167.33	131.82	90.00	-4,087.85	3,100.14	4,259.94	4,056.82	203.12	20.973		
19,000.00	7,630.00	7,608.00	7,608.00	168.97	131.82	90.00	-4,087.85	3,100.14	4,358.40	4,155.18	203.23	21.446		
19,021.79	7,630.00	7,608.00	7,608.00	169.33	131.82	90.00	-4,087.85	3,100.14	4,379.87	4,176.62	203.25	21.549		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - SI VERT CRANDELL E UNIT 2 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	145.68	-7,866.22	5,369.35	9,524.08					
100.00	100.00	75.00	75.00	0.13	0.58	145.68	-7,866.22	5,369.35	9,524.04	9,523.33	0.71	N/A		
200.00	200.00	175.00	175.00	0.49	2.08	145.68	-7,866.22	5,369.35	9,524.04	9,521.47	2.57	3,706.082		
300.00	300.00	275.00	275.00	0.85	3.82	145.68	-7,866.22	5,369.35	9,524.04	9,519.37	4.67	2,037.820		
400.00	400.00	375.00	375.00	1.21	5.57	145.68	-7,866.22	5,369.35	9,524.04	9,517.27	6.78	1,405.256		
500.00	500.00	475.00	475.00	1.57	7.31	145.68	-7,866.22	5,369.35	9,524.04	9,515.16	8.88	1,072.377		
600.00	600.00	575.00	575.00	1.93	9.06	145.68	-7,866.22	5,369.35	9,524.04	9,513.06	10.99	867.001		
700.00	700.00	675.00	675.00	2.29	10.80	145.68	-7,866.22	5,369.35	9,524.04	9,510.95	13.09	727.646		
800.00	799.98	774.98	774.98	2.64	12.55	83.91	-7,866.22	5,369.35	9,523.86	9,508.67	15.19	627.064		
900.00	899.84	874.84	874.84	2.99	14.29	83.95	-7,866.22	5,369.35	9,523.30	9,506.02	17.28	550.991		
1,000.00	999.45	974.45	974.45	3.35	16.03	84.02	-7,866.22	5,369.35	9,522.39	9,503.00	19.38	491.288		
1,100.00	1,098.70	1,073.70	1,073.70	3.73	17.76	84.12	-7,866.22	5,369.35	9,521.12	9,499.63	21.49	443.134		
1,200.00	1,197.47	1,172.47	1,172.47	4.11	19.49	84.25	-7,866.22	5,369.35	9,519.51	9,495.92	23.60	403.414		
1,300.00	1,295.62	1,270.62	1,270.62	4.53	21.20	84.40	-7,866.22	5,369.35	9,517.59	9,491.87	25.72	370.037		
1,400.00	1,393.06	1,368.06	1,368.06	4.97	22.90	84.57	-7,866.22	5,369.35	9,515.37	9,487.51	27.86	341.548		
1,500.00	1,489.64	1,464.64	1,464.64	5.44	24.59	84.77	-7,866.22	5,369.35	9,512.88	9,482.87	30.02	316.906		
1,600.00	1,585.27	1,560.27	1,560.27	5.95	26.25	84.99	-7,866.22	5,369.35	9,510.16	9,477.96	32.20	295.348		
1,700.00	1,679.82	1,654.82	1,654.82	6.51	27.90	85.24	-7,866.22	5,369.35	9,507.23	9,472.82	34.41	276.307		
1,800.00	1,773.17	1,748.17	1,748.17	7.13	29.53	85.50	-7,866.22	5,369.35	9,504.13	9,467.48	36.65	259.347		
1,900.00	1,865.21	1,840.21	1,840.21	7.79	31.14	85.78	-7,866.22	5,369.35	9,500.90	9,461.99	38.92	244.135		
2,000.00	1,955.84	1,930.84	1,930.84	8.51	32.72	86.08	-7,866.22	5,369.35	9,497.60	9,456.37	41.22	230.407		
2,100.00	2,044.94	2,019.94	2,019.94	9.30	34.28	86.39	-7,866.22	5,369.35	9,494.25	9,450.69	43.56	217.953		
2,200.00	2,132.39	2,107.39	2,107.39	10.15	35.80	86.71	-7,866.22	5,369.35	9,490.92	9,444.98	45.94	206.604		
2,300.00	2,218.11	2,206.89	2,193.11	11.07	37.54	87.04	-7,866.22	5,369.35	9,487.64	9,439.05	48.59	195.250		
2,400.00	2,301.97	2,276.97	2,276.97	12.06	38.76	87.38	-7,866.22	5,369.35	9,484.49	9,433.68	50.80	186.692		
2,500.00	2,383.88	2,358.88	2,358.88	13.11	40.19	87.72	-7,866.22	5,369.35	9,481.50	9,428.21	53.29	177.920		
2,512.74	2,394.17	2,369.17	2,369.17	13.25	40.37	87.77	-7,866.22	5,369.35	9,481.13	9,427.52	53.61	176.854		
2,600.00	2,464.54	2,439.54	2,439.54	14.22	41.60	88.02	-7,866.22	5,369.35	9,478.78	9,422.97	55.81	169.844		
2,700.00	2,545.18	2,520.18	2,520.18	15.35	43.01	88.31	-7,866.22	5,369.35	9,476.43	9,418.08	58.35	162.415		
2,800.00	2,625.82	2,600.82	2,600.82	16.50	44.42	88.60	-7,866.22	5,369.35	9,474.45	9,413.55	60.90	155.573		
2,900.00	2,706.45	2,681.45	2,681.45	17.65	45.82	88.88	-7,866.22	5,369.35	9,472.83	9,409.37	63.47	149.258		
3,000.00	2,787.09	2,762.09	2,762.09	18.82	47.23	89.17	-7,866.22	5,369.35	9,471.59	9,405.55	66.04	143.419		
3,100.00	2,867.73	2,842.73	2,842.73	19.99	48.64	89.46	-7,866.22	5,369.35	9,470.71	9,402.09	68.62	138.008		
3,200.00	2,948.37	2,923.37	2,923.37	21.17	50.05	89.75	-7,866.22	5,369.35	9,470.21	9,398.99	71.21	132.982		
3,287.00	3,018.53	3,006.47	2,993.53	22.20	51.50	90.00	-7,866.22	5,369.35	9,470.07	9,396.37	73.70	128.499		
3,300.00	3,029.01	3,004.01	3,004.01	22.36	51.45	90.04	-7,866.22	5,369.35	9,470.07	9,396.26	73.81	128.304		
3,400.00	3,109.65	3,084.65	3,084.65	23.55	52.86	90.33	-7,866.22	5,369.35	9,470.30	9,393.90	76.41	123.943		
3,500.00	3,190.29	3,165.29	3,165.29	24.74	54.27	90.61	-7,866.22	5,369.35	9,470.91	9,391.90	79.01	119.868		
3,600.00	3,270.93	3,245.93	3,245.93	25.94	55.67	90.90	-7,866.22	5,369.35	9,471.88	9,390.26	81.62	116.053		
3,700.00	3,351.57	3,326.57	3,326.57	27.14	57.08	91.19	-7,866.22	5,369.35	9,473.22	9,388.99	84.22	112.476		
3,800.00	3,432.21	3,407.21	3,407.21	28.35	58.49	91.48	-7,866.22	5,369.35	9,474.93	9,388.09	86.83	109.116		
3,900.00	3,512.85	3,487.85	3,487.85	29.56	59.90	91.77	-7,866.22	5,369.35	9,477.01	9,387.56	89.44	105.954		
4,000.00	3,593.49	3,568.49	3,568.49	30.76	61.30	92.06	-7,866.22	5,369.35	9,479.45	9,387.40	92.06	102.975		
4,100.00	3,674.13	3,649.13	3,649.13	31.97	62.71	92.34	-7,866.22	5,369.35	9,482.27	9,387.60	94.67	100.164		
4,200.00	3,754.77	3,729.77	3,729.77	33.19	64.12	92.63	-7,866.22	5,369.35	9,485.45	9,388.17	97.28	97.507		
4,300.00	3,835.41	3,810.41	3,810.41	34.40	65.53	92.92	-7,866.22	5,369.35	9,489.00	9,389.11	99.89	94.994		
4,400.00	3,916.05	3,908.95	3,891.05	35.62	67.25	93.21	-7,866.22	5,369.35	9,492.92	9,390.10	102.81	92.330		
4,500.00	3,996.69	3,971.69	3,971.69	36.83	68.34	93.50	-7,866.22	5,369.35	9,497.20	9,392.09	105.11	90.352		
4,600.00	4,077.33	4,052.33	4,052.33	38.05	69.75	93.78	-7,866.22	5,369.35	9,501.85	9,394.13	107.72	88.207		
4,700.00	4,157.96	4,132.96	4,132.96	39.27	71.16	94.07	-7,866.22	5,369.35	9,506.86	9,396.53	110.33	86.167		
4,800.00	4,238.60	4,213.60	4,213.60	40.49	72.56	94.36	-7,866.22	5,369.35	9,512.24	9,399.31	112.94	84.225		
4,900.00	4,319.24	4,305.76	4,294.24	41.71	74.17	94.64	-7,866.22	5,369.35	9,517.99	9,402.25	115.74	82.233		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - SI VERT CRANDELL E UNIT 2 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	4,399.88	4,374.88	4,374.88	42.93	75.38	94.93	-7,866.22	5,369.35	9,524.10	9,405.95	118.15	80.612		
5,100.00	4,480.52	4,455.52	4,455.52	44.15	76.79	95.22	-7,866.22	5,369.35	9,530.57	9,409.82	120.75	78.929		
5,200.00	4,561.16	4,536.16	4,536.16	45.37	78.19	95.50	-7,866.22	5,369.35	9,537.40	9,414.05	123.35	77.320		
5,300.00	4,641.80	4,616.80	4,616.80	46.59	79.60	95.79	-7,866.22	5,369.35	9,544.60	9,418.65	125.95	75.783		
5,400.00	4,722.44	4,702.56	4,697.44	47.82	81.10	96.07	-7,866.22	5,369.35	9,552.16	9,423.52	128.63	74.260		
5,500.00	4,803.08	4,778.08	4,778.08	49.04	82.42	96.36	-7,866.22	5,369.35	9,560.07	9,428.94	131.13	72.903		
5,600.00	4,883.72	4,858.72	4,858.72	50.27	83.82	96.64	-7,866.22	5,369.35	9,568.35	9,434.62	133.72	71.553		
5,700.00	4,964.36	4,939.36	4,939.36	51.49	85.23	96.93	-7,866.22	5,369.35	9,576.98	9,440.67	136.31	70.258		
5,800.00	5,045.00	5,020.00	5,020.00	52.71	86.64	97.21	-7,866.22	5,369.35	9,585.97	9,447.07	138.90	69.015		
5,900.00	5,125.64	5,100.64	5,100.64	53.94	88.05	97.50	-7,866.22	5,369.35	9,595.32	9,453.84	141.48	67.822		
6,000.00	5,206.28	5,181.28	5,181.28	55.17	89.45	97.78	-7,866.22	5,369.35	9,605.02	9,460.96	144.06	66.676		
6,100.00	5,286.92	5,261.92	5,261.92	56.39	90.86	98.06	-7,866.22	5,369.35	9,615.07	9,468.44	146.63	65.573		
6,200.00	5,367.56	5,342.56	5,342.56	57.62	92.27	98.35	-7,866.22	5,369.35	9,625.48	9,476.28	149.20	64.513		
6,300.00	5,448.20	5,423.20	5,423.20	58.84	93.68	98.63	-7,866.22	5,369.35	9,636.24	9,484.47	151.77	63.492		
6,400.00	5,528.84	5,503.84	5,503.84	60.07	95.08	98.91	-7,866.22	5,369.35	9,647.35	9,493.01	154.33	62.509		
6,500.00	5,609.47	5,584.47	5,584.47	61.30	96.49	99.19	-7,866.22	5,369.35	9,658.81	9,501.91	156.90	61.562		
6,600.00	5,690.11	5,665.11	5,665.11	62.53	97.90	99.47	-7,866.22	5,369.35	9,670.62	9,511.16	159.45	60.649		
6,700.00	5,770.75	5,745.75	5,745.75	63.75	99.30	99.75	-7,866.22	5,369.35	9,682.77	9,520.77	162.01	59.768		
6,800.00	5,851.39	5,826.39	5,826.39	64.98	100.71	100.03	-7,866.22	5,369.35	9,695.27	9,530.72	164.55	58.918		
6,900.00	5,932.03	5,907.03	5,907.03	66.21	102.12	100.31	-7,866.22	5,369.35	9,708.11	9,541.02	167.10	58.098		
7,000.00	6,012.67	5,987.67	5,987.67	67.44	103.53	100.59	-7,866.22	5,369.35	9,721.30	9,551.66	169.64	57.306		
7,100.00	6,093.31	6,068.31	6,068.31	68.66	104.93	100.87	-7,866.22	5,369.35	9,734.83	9,562.65	172.18	56.540		
7,200.00	6,173.95	6,148.95	6,148.95	69.89	106.34	101.15	-7,866.22	5,369.35	9,748.70	9,573.99	174.71	55.800		
7,300.00	6,254.59	6,229.59	6,229.59	71.12	107.75	101.42	-7,866.22	5,369.35	9,762.90	9,585.67	177.24	55.084		
7,400.00	6,335.23	6,310.23	6,310.23	72.35	109.16	101.70	-7,866.22	5,369.35	9,777.45	9,597.69	179.76	54.392		
7,500.00	6,415.87	6,409.13	6,390.87	73.58	110.88	101.98	-7,866.22	5,369.35	9,792.33	9,609.73	182.60	53.628		
7,600.00	6,496.51	6,471.51	6,471.51	74.81	111.97	102.25	-7,866.22	5,369.35	9,807.54	9,622.75	184.79	53.073		
7,700.00	6,577.15	6,552.15	6,552.15	76.04	113.38	102.53	-7,866.22	5,369.35	9,823.09	9,635.79	187.30	52.445		
7,800.00	6,657.79	6,632.79	6,632.79	77.27	114.79	102.80	-7,866.22	5,369.35	9,838.96	9,649.16	189.81	51.837		
7,900.00	6,738.43	6,713.43	6,713.43	78.50	116.19	103.08	-7,866.22	5,369.35	9,855.17	9,662.86	192.31	51.247		
8,000.00	6,819.07	6,805.93	6,794.07	79.73	117.81	103.35	-7,866.22	5,369.35	9,871.70	9,676.69	195.01	50.622		
8,100.00	6,899.71	6,874.71	6,874.71	80.96	119.01	103.62	-7,866.22	5,369.35	9,888.56	9,691.27	197.29	50.122		
8,200.00	6,980.35	6,955.35	6,955.35	82.18	120.42	103.90	-7,866.22	5,369.35	9,905.75	9,705.97	199.78	49.584		
8,240.58	7,013.07	6,988.07	6,988.07	82.68	120.99	104.01	-7,866.22	5,369.35	9,912.81	9,712.03	200.78	49.371		
8,250.00	7,020.68	7,004.32	6,995.68	82.80	121.27	102.87	-7,866.22	5,369.35	9,914.38	9,713.22	201.17	49.284		
8,300.00	7,061.63	7,036.63	7,036.63	83.40	121.83	96.36	-7,866.22	5,369.35	9,920.24	9,717.98	202.27	49.046		
8,350.00	7,103.23	7,078.23	7,078.23	83.97	122.56	89.18	-7,866.22	5,369.35	9,921.89	9,718.37	203.52	48.751		
8,400.00	7,145.18	7,120.18	7,120.18	84.51	123.29	81.59	-7,866.22	5,369.35	9,919.31	9,714.54	204.77	48.441		
8,450.00	7,187.16	7,162.16	7,162.16	85.01	124.03	73.91	-7,866.22	5,369.35	9,912.51	9,706.51	206.00	48.118		
8,500.00	7,228.84	7,203.84	7,203.84	85.46	124.75	66.45	-7,866.22	5,369.35	9,901.54	9,694.34	207.20	47.787		
8,550.00	7,269.91	7,244.91	7,244.91	85.86	125.47	59.48	-7,866.22	5,369.35	9,886.48	9,678.11	208.36	47.448		
8,600.00	7,310.05	7,285.05	7,285.05	86.20	126.17	53.14	-7,866.22	5,369.35	9,867.42	9,657.95	209.47	47.106		
8,650.00	7,348.97	7,323.97	7,323.97	86.50	126.85	47.48	-7,866.22	5,369.35	9,844.51	9,633.99	210.53	46.761		
8,700.00	7,386.36	7,361.36	7,361.36	86.74	127.50	42.45	-7,866.22	5,369.35	9,817.92	9,606.40	211.51	46.418		
8,750.00	7,421.94	7,403.06	7,396.94	86.93	128.23	37.97	-7,866.22	5,369.35	9,787.82	9,575.28	212.53	46.053		
8,800.00	7,455.44	7,430.44	7,430.44	87.07	128.71	33.93	-7,866.22	5,369.35	9,754.44	9,541.18	213.27	45.738		
8,850.00	7,486.61	7,461.61	7,461.61	87.16	129.25	30.17	-7,866.22	5,369.35	9,718.04	9,504.01	214.02	45.406		
8,900.00	7,515.20	7,509.80	7,490.20	87.20	130.09	26.55	-7,866.22	5,369.35	9,678.86	9,463.82	215.04	45.010		
8,950.00	7,541.00	7,516.00	7,516.00	87.21	130.20	22.83	-7,866.22	5,369.35	9,637.21	9,421.92	215.28	44.765		
9,000.00	7,563.81	7,538.81	7,538.81	87.17	130.60	18.73	-7,866.22	5,369.35	9,593.39	9,377.61	215.78	44.459		
9,050.00	7,583.47	7,558.47	7,558.47	87.10	130.94	13.71	-7,866.22	5,369.35	9,547.74	9,331.55	216.19	44.164		
9,100.00	7,599.81	7,574.81	7,574.81	87.00	131.23	6.82	-7,866.22	5,369.35	9,500.59	9,284.08	216.50	43.882		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - SI VERT CRANDELL E UNIT 2 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INCL-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,150.00	7,612.72	7,587.72	7,587.72	86.88	131.45	-4.01	-7,866.22	5,369.35	9,452.30	9,235.57	216.73	43.613		
9,200.00	7,622.09	7,602.91	7,597.09	86.72	131.72	-23.20	-7,866.22	5,369.35	9,403.25	9,186.28	216.97	43.339		
9,250.00	7,627.87	7,602.87	7,602.87	86.55	131.72	-55.22	-7,866.22	5,369.35	9,353.79	9,136.87	216.92	43.121		
9,303.98	7,630.00	7,605.00	7,605.00	86.35	131.75	-90.00	-7,866.22	5,369.35	9,300.40	9,083.52	216.88	42.883		
9,400.00	7,630.00	7,605.00	7,605.00	85.99	131.75	-90.00	-7,866.22	5,369.35	9,205.70	8,988.98	216.72	42.478		
9,500.00	7,630.00	7,605.00	7,605.00	85.62	131.75	-90.00	-7,866.22	5,369.35	9,107.11	8,890.56	216.55	42.056		
9,600.00	7,630.00	7,605.00	7,605.00	85.28	131.75	-90.00	-7,866.22	5,369.35	9,008.55	8,792.17	216.37	41.634		
9,700.00	7,630.00	7,605.00	7,605.00	84.95	131.75	-90.00	-7,866.22	5,369.35	8,910.02	8,693.82	216.20	41.213		
9,800.00	7,630.00	7,605.00	7,605.00	84.64	131.75	-90.00	-7,866.22	5,369.35	8,811.52	8,595.50	216.02	40.791		
9,900.00	7,630.00	7,605.00	7,605.00	84.34	131.75	-90.00	-7,866.22	5,369.35	8,713.06	8,497.22	215.83	40.369		
10,000.00	7,630.00	7,605.00	7,605.00	84.06	131.75	-90.00	-7,866.22	5,369.35	8,614.63	8,398.98	215.65	39.947		
10,100.00	7,630.00	7,605.00	7,605.00	83.80	131.75	-90.00	-7,866.22	5,369.35	8,516.24	8,300.78	215.46	39.526		
10,200.00	7,630.00	7,605.00	7,605.00	83.56	131.75	-90.00	-7,866.22	5,369.35	8,417.88	8,202.62	215.27	39.104		
10,300.00	7,630.00	7,605.00	7,605.00	83.33	131.75	-90.00	-7,866.22	5,369.35	8,319.57	8,104.50	215.07	38.683		
10,400.00	7,630.00	7,605.00	7,605.00	83.12	131.75	-90.00	-7,866.22	5,369.35	8,221.30	8,006.43	214.87	38.261		
10,500.00	7,630.00	7,605.00	7,605.00	82.92	131.75	-90.00	-7,866.22	5,369.35	8,123.07	7,908.40	214.67	37.840		
10,600.00	7,630.00	7,605.00	7,605.00	82.75	131.75	-90.00	-7,866.22	5,369.35	8,024.88	7,810.42	214.46	37.419		
10,700.00	7,630.00	7,605.00	7,605.00	82.59	131.75	-90.00	-7,866.22	5,369.35	7,926.74	7,712.49	214.25	36.998		
10,800.00	7,630.00	7,605.00	7,605.00	82.45	131.75	-90.00	-7,866.22	5,369.35	7,828.64	7,614.61	214.03	36.577		
10,900.00	7,630.00	7,605.00	7,605.00	82.33	131.75	-90.00	-7,866.22	5,369.35	7,730.60	7,516.79	213.81	36.156		
11,000.00	7,630.00	7,605.00	7,605.00	82.22	131.75	-90.00	-7,866.22	5,369.35	7,632.60	7,419.01	213.59	35.735		
11,100.00	7,630.00	7,605.00	7,605.00	82.14	131.75	-90.00	-7,866.22	5,369.35	7,534.66	7,321.30	213.36	35.314		
11,200.00	7,630.00	7,605.00	7,605.00	82.08	131.75	-90.00	-7,866.22	5,369.35	7,436.77	7,223.65	213.13	34.893		
11,300.00	7,630.00	7,605.00	7,605.00	82.04	131.75	-90.00	-7,866.22	5,369.35	7,338.94	7,126.05	212.89	34.473		
11,400.00	7,630.00	7,605.00	7,605.00	82.02	131.75	-90.00	-7,866.22	5,369.35	7,241.17	7,028.52	212.65	34.052		
11,500.00	7,630.00	7,605.00	7,605.00	82.03	131.75	-90.00	-7,866.22	5,369.35	7,143.46	6,931.06	212.40	33.632		
11,600.00	7,630.00	7,605.00	7,605.00	82.06	131.75	-90.00	-7,866.22	5,369.35	7,045.82	6,833.67	212.15	33.212		
11,700.00	7,630.00	7,605.00	7,605.00	82.12	131.75	-90.00	-7,866.22	5,369.35	6,948.24	6,736.35	211.89	32.792		
11,800.00	7,630.00	7,605.00	7,605.00	82.21	131.75	-90.00	-7,866.22	5,369.35	6,850.73	6,639.10	211.63	32.372		
11,900.00	7,630.00	7,605.00	7,605.00	82.33	131.75	-90.00	-7,866.22	5,369.35	6,753.29	6,541.94	211.36	31.952		
12,000.00	7,630.00	7,605.00	7,605.00	82.48	131.75	-90.00	-7,866.22	5,369.35	6,655.94	6,444.85	211.08	31.532		
12,100.00	7,630.00	7,605.00	7,605.00	82.66	131.75	-90.00	-7,866.22	5,369.35	6,558.66	6,347.85	210.81	31.112		
12,200.00	7,630.00	7,605.00	7,605.00	82.88	131.75	-90.00	-7,866.22	5,369.35	6,461.46	6,250.94	210.52	30.693		
12,300.00	7,630.00	7,605.00	7,605.00	83.14	131.75	-90.00	-7,866.22	5,369.35	6,364.35	6,154.12	210.23	30.274		
12,400.00	7,630.00	7,605.00	7,605.00	83.44	131.75	-90.00	-7,866.22	5,369.35	6,267.33	6,057.40	209.93	29.854		
12,500.00	7,630.00	7,605.00	7,605.00	83.79	131.75	-90.00	-7,866.22	5,369.35	6,170.40	5,960.78	209.63	29.435		
12,600.00	7,630.00	7,605.00	7,605.00	84.18	131.75	-90.00	-7,866.22	5,369.35	6,073.58	5,864.26	209.32	29.016		
12,700.00	7,630.00	7,605.00	7,605.00	84.61	131.75	-90.00	-7,866.22	5,369.35	5,976.86	5,767.86	209.00	28.597		
12,800.00	7,630.00	7,605.00	7,605.00	85.10	131.75	-90.00	-7,866.22	5,369.35	5,880.25	5,671.57	208.68	28.179		
12,900.00	7,630.00	7,605.00	7,605.00	85.64	131.75	-90.00	-7,866.22	5,369.35	5,783.75	5,575.41	208.35	27.760		
13,000.00	7,630.00	7,605.00	7,605.00	86.22	131.75	-90.00	-7,866.22	5,369.35	5,687.38	5,479.37	208.01	27.342		
13,100.00	7,630.00	7,605.00	7,605.00	86.86	131.75	-90.00	-7,866.22	5,369.35	5,591.13	5,383.46	207.67	26.923		
13,200.00	7,630.00	7,605.00	7,605.00	87.56	131.75	-90.00	-7,866.22	5,369.35	5,495.02	5,287.70	207.32	26.505		
13,300.00	7,630.00	7,605.00	7,605.00	88.30	131.75	-90.00	-7,866.22	5,369.35	5,399.05	5,192.08	206.97	26.087		
13,400.00	7,630.00	7,605.00	7,605.00	89.10	131.75	-90.00	-7,866.22	5,369.35	5,303.23	5,096.62	206.61	25.668		
13,500.00	7,630.00	7,605.00	7,605.00	89.94	131.75	-90.00	-7,866.22	5,369.35	5,207.56	5,001.33	206.24	25.250		
13,600.00	7,630.00	7,605.00	7,605.00	90.84	131.75	-90.00	-7,866.22	5,369.35	5,112.06	4,906.20	205.87	24.832		
13,700.00	7,630.00	7,605.00	7,605.00	91.78	131.75	-90.00	-7,866.22	5,369.35	5,016.74	4,811.25	205.49	24.414		
13,800.00	7,630.00	7,605.00	7,605.00	92.77	131.75	-90.00	-7,866.22	5,369.35	4,921.60	4,716.50	205.10	23.996		
13,900.00	7,630.00	7,605.00	7,605.00	93.79	131.75	-90.00	-7,866.22	5,369.35	4,826.66	4,621.95	204.71	23.577		
14,000.00	7,630.00	7,605.00	7,605.00	94.86	131.75	-90.00	-7,866.22	5,369.35	4,731.93	4,527.60	204.32	23.159		
14,100.00	7,630.00	7,605.00	7,605.00	95.97	131.75	-90.00	-7,866.22	5,369.35	4,637.41	4,433.49	203.93	22.740		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - SI VERT CRANDELL E UNIT 2 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,630.00	7,605.00	7,605.00	97.11	131.75	-90.00	-7,866.22	5,369.35	4,543.14	4,339.61	203.53	22.322		
14,300.00	7,630.00	7,605.00	7,605.00	98.28	131.75	-90.00	-7,866.22	5,369.35	4,449.11	4,245.98	203.13	21.903		
14,400.00	7,630.00	7,605.00	7,605.00	99.48	131.75	-90.00	-7,866.22	5,369.35	4,355.35	4,152.61	202.73	21.483		
14,500.00	7,630.00	7,605.00	7,605.00	100.72	131.75	-90.00	-7,866.22	5,369.35	4,261.87	4,059.53	202.34	21.063		
14,600.00	7,630.00	7,605.00	7,605.00	101.97	131.75	-90.00	-7,866.22	5,369.35	4,168.70	3,966.75	201.95	20.642		
14,700.00	7,630.00	7,605.00	7,605.00	103.26	131.75	-90.00	-7,866.22	5,369.35	4,075.84	3,874.28	201.56	20.221		
14,800.00	7,630.00	7,605.00	7,605.00	104.56	131.75	-90.00	-7,866.22	5,369.35	3,983.34	3,782.15	201.19	19.799		
14,900.00	7,630.00	7,605.00	7,605.00	105.89	131.75	-90.00	-7,866.22	5,369.35	3,891.21	3,690.38	200.82	19.376		
15,000.00	7,630.00	7,605.00	7,605.00	107.24	131.75	-90.00	-7,866.22	5,369.35	3,799.47	3,598.99	200.48	18.952		
15,100.00	7,630.00	7,605.00	7,605.00	108.60	131.75	-90.00	-7,866.22	5,369.35	3,708.16	3,508.00	200.15	18.527		
15,200.00	7,630.00	7,605.00	7,605.00	109.98	131.75	-90.00	-7,866.22	5,369.35	3,617.31	3,417.45	199.86	18.100		
15,300.00	7,630.00	7,605.00	7,605.00	111.38	131.75	-90.00	-7,866.22	5,369.35	3,526.95	3,327.36	199.59	17.671		
15,400.00	7,630.00	7,605.00	7,605.00	112.79	131.75	-90.00	-7,866.22	5,369.35	3,437.13	3,237.76	199.37	17.240		
15,500.00	7,630.00	7,605.00	7,605.00	114.22	131.75	-90.00	-7,866.22	5,369.35	3,347.89	3,148.69	199.20	16.807		
15,600.00	7,630.00	7,605.00	7,605.00	115.66	131.75	-90.00	-7,866.22	5,369.35	3,259.27	3,060.19	199.08	16.372		
15,700.00	7,630.00	7,605.00	7,605.00	117.11	131.75	-90.00	-7,866.22	5,369.35	3,171.33	2,972.29	199.04	15.933		
15,800.00	7,630.00	7,605.00	7,605.00	118.57	131.75	-90.00	-7,866.22	5,369.35	3,084.12	2,885.04	199.08	15.492		
15,900.00	7,630.00	7,605.00	7,605.00	120.05	131.75	-90.00	-7,866.22	5,369.35	2,997.72	2,798.50	199.22	15.047		
16,000.00	7,630.00	7,605.00	7,605.00	121.53	131.75	-90.00	-7,866.22	5,369.35	2,912.18	2,712.70	199.48	14.599		
16,100.00	7,630.00	7,605.00	7,605.00	123.03	131.75	-90.00	-7,866.22	5,369.35	2,827.59	2,627.72	199.87	14.147		
16,200.00	7,630.00	7,605.00	7,605.00	124.53	131.75	-90.00	-7,866.22	5,369.35	2,744.04	2,543.62	200.41	13.692		
16,300.00	7,630.00	7,605.00	7,605.00	126.04	131.75	-90.00	-7,866.22	5,369.35	2,661.62	2,460.48	201.14	13.233		
16,400.00	7,630.00	7,605.00	7,605.00	127.56	131.75	-90.00	-7,866.22	5,369.35	2,580.45	2,378.38	202.07	12.770		
16,500.00	7,630.00	7,605.00	7,605.00	129.09	131.75	-90.00	-7,866.22	5,369.35	2,500.64	2,297.42	203.22	12.305		
16,600.00	7,630.00	7,605.00	7,605.00	130.62	131.75	-90.00	-7,866.22	5,369.35	2,422.33	2,217.70	204.63	11.838		
16,700.00	7,630.00	7,605.00	7,605.00	132.16	131.75	-90.00	-7,866.22	5,369.35	2,345.67	2,139.35	206.32	11.369		
16,800.00	7,630.00	7,605.00	7,605.00	133.71	131.75	-90.00	-7,866.22	5,369.35	2,270.83	2,062.51	208.32	10.901		
16,900.00	7,630.00	7,605.00	7,605.00	135.27	131.75	-90.00	-7,866.22	5,369.35	2,197.98	1,987.33	210.65	10.434		
17,000.00	7,630.00	7,605.00	7,605.00	136.83	131.75	-90.00	-7,866.22	5,369.35	2,127.35	1,914.01	213.34	9.972		
17,100.00	7,630.00	7,605.00	7,605.00	138.39	131.75	-90.00	-7,866.22	5,369.35	2,059.15	1,842.76	216.39	9.516		
17,200.00	7,630.00	7,605.00	7,605.00	139.97	131.75	-90.00	-7,866.22	5,369.35	1,993.64	1,773.80	219.84	9.069		
17,300.00	7,630.00	7,605.00	7,605.00	141.54	131.75	-90.00	-7,866.22	5,369.35	1,931.08	1,707.41	223.67	8.634		
17,400.00	7,630.00	7,605.00	7,605.00	143.12	131.75	-90.00	-7,866.22	5,369.35	1,871.78	1,643.89	227.89	8.214		
17,500.00	7,630.00	7,605.00	7,605.00	144.71	131.75	-90.00	-7,866.22	5,369.35	1,816.05	1,583.57	232.48	7.812		
17,600.00	7,630.00	7,605.00	7,605.00	146.30	131.75	-90.00	-7,866.22	5,369.35	1,764.23	1,526.81	237.42	7.431		
17,700.00	7,630.00	7,605.00	7,605.00	147.90	131.75	-90.00	-7,866.22	5,369.35	1,716.68	1,474.03	242.66	7.075		
17,800.00	7,630.00	7,605.00	7,605.00	149.50	131.75	-90.00	-7,866.22	5,369.35	1,673.76	1,425.62	248.14	6.745		
17,900.00	7,630.00	7,605.00	7,605.00	151.10	131.75	-90.00	-7,866.22	5,369.35	1,635.84	1,382.03	253.80	6.445		
18,000.00	7,630.00	7,605.00	7,605.00	152.71	131.75	-90.00	-7,866.22	5,369.35	1,603.26	1,343.71	259.55	6.177		
18,100.00	7,630.00	7,605.00	7,605.00	154.32	131.75	-90.00	-7,866.22	5,369.35	1,576.37	1,311.08	265.28	5.942		
18,200.00	7,630.00	7,605.00	7,605.00	155.94	131.75	-90.00	-7,866.22	5,369.35	1,555.45	1,284.55	270.90	5.742		
18,300.00	7,630.00	7,605.00	7,605.00	157.56	131.75	-90.00	-7,866.22	5,369.35	1,540.74	1,264.46	276.28	5.577		
18,400.00	7,630.00	7,605.00	7,605.00	159.18	131.75	-90.00	-7,866.22	5,369.35	1,532.44	1,251.11	281.33	5.447		
18,477.59	7,630.00	7,605.00	7,605.00	160.44	131.75	-90.00	-7,866.22	5,369.35	1,530.48	1,245.52	284.95	5.371 CC		
18,500.00	7,630.00	7,605.00	7,605.00	160.80	131.75	-90.00	-7,866.22	5,369.35	1,530.64	1,244.69	285.95	5.353 ES		
18,600.00	7,630.00	7,605.00	7,605.00	162.43	131.75	-90.00	-7,866.22	5,369.35	1,535.36	1,245.31	290.06	5.293		
18,700.00	7,630.00	7,605.00	7,605.00	164.06	131.75	-90.00	-7,866.22	5,369.35	1,546.55	1,252.95	293.60	5.267 SF		
18,800.00	7,630.00	7,605.00	7,605.00	165.70	131.75	-90.00	-7,866.22	5,369.35	1,564.07	1,267.51	296.56	5.274		
18,900.00	7,630.00	7,605.00	7,605.00	167.33	131.75	-90.00	-7,866.22	5,369.35	1,587.70	1,288.77	298.93	5.311		
19,000.00	7,630.00	7,605.00	7,605.00	168.97	131.75	-90.00	-7,866.22	5,369.35	1,617.18	1,316.47	300.71	5.378		
19,021.79	7,630.00	7,605.00	7,605.00	169.33	131.75	-90.00	-7,866.22	5,369.35	1,624.35	1,323.32	301.03	5.396		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - SI VERT SEARS 22-26 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INCL-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	148.93	-5,431.32	3,272.55	6,341.08					
100.00	100.00	78.00	78.00	0.13	0.59	148.93	-5,431.32	3,272.55	6,341.04	6,340.32	0.73	8,726.792		
200.00	200.00	178.00	178.00	0.49	2.12	148.93	-5,431.32	3,272.55	6,341.04	6,338.43	2.61	2,426.288		
300.00	300.00	278.00	278.00	0.85	3.87	148.93	-5,431.32	3,272.55	6,341.04	6,336.33	4.72	1,344.217		
400.00	400.00	378.00	378.00	1.21	5.61	148.93	-5,431.32	3,272.55	6,341.04	6,334.22	6.82	929.625		
500.00	500.00	478.00	478.00	1.57	7.36	148.93	-5,431.32	3,272.55	6,341.04	6,332.12	8.92	710.491		
600.00	600.00	578.00	578.00	1.93	9.10	148.93	-5,431.32	3,272.55	6,341.04	6,330.01	11.03	574.960		
700.00	700.00	678.00	678.00	2.29	10.85	148.93	-5,431.32	3,272.55	6,341.04	6,327.91	13.13	482.852		
800.00	799.98	777.98	777.98	2.64	12.59	87.16	-5,431.32	3,272.55	6,340.96	6,325.72	15.23	416.301		
900.00	899.84	877.84	877.84	2.99	14.34	87.21	-5,431.32	3,272.55	6,340.70	6,323.37	17.33	365.928		
1,000.00	999.45	977.45	977.45	3.35	16.07	87.30	-5,431.32	3,272.55	6,340.28	6,320.85	19.43	326.373		
1,100.00	1,098.70	1,076.70	1,076.70	3.73	17.81	87.42	-5,431.32	3,272.55	6,339.72	6,318.19	21.53	294.456		
1,200.00	1,197.47	1,175.47	1,175.47	4.11	19.53	87.57	-5,431.32	3,272.55	6,339.02	6,315.38	23.64	268.122		
1,300.00	1,295.62	1,273.62	1,273.62	4.53	21.24	87.76	-5,431.32	3,272.55	6,338.23	6,312.47	25.77	245.989		
1,400.00	1,393.06	1,371.06	1,371.06	4.97	22.94	87.97	-5,431.32	3,272.55	6,337.37	6,309.47	27.91	227.094		
1,500.00	1,489.64	1,467.64	1,467.64	5.44	24.63	88.22	-5,431.32	3,272.55	6,336.48	6,306.42	30.07	210.751		
1,600.00	1,585.27	1,563.27	1,563.27	5.95	26.30	88.49	-5,431.32	3,272.55	6,335.60	6,303.35	32.25	196.455		
1,700.00	1,679.82	1,657.82	1,657.82	6.51	27.95	88.78	-5,431.32	3,272.55	6,334.78	6,300.32	34.46	183.831		
1,800.00	1,773.17	1,751.17	1,751.17	7.13	29.58	89.10	-5,431.32	3,272.55	6,334.08	6,297.38	36.70	172.591		
1,900.00	1,865.21	1,843.21	1,843.21	7.79	31.18	89.44	-5,431.32	3,272.55	6,333.53	6,294.56	38.97	162.514		
2,000.00	1,955.84	1,933.84	1,933.84	8.51	32.77	89.79	-5,431.32	3,272.55	6,333.22	6,291.94	41.28	153.426		
2,058.20	2,007.89	1,985.89	1,985.89	8.97	33.67	90.00	-5,431.32	3,272.55	6,333.17	6,290.52	42.64	148.511		
2,100.00	2,044.94	2,022.94	2,022.94	9.30	34.32	90.15	-5,431.32	3,272.55	6,333.20	6,289.57	43.62	145.188		
2,200.00	2,132.39	2,110.39	2,110.39	10.15	35.85	90.53	-5,431.32	3,272.55	6,333.53	6,287.53	46.00	137.690		
2,300.00	2,218.11	2,203.89	2,196.11	11.07	37.48	90.92	-5,431.32	3,272.55	6,334.29	6,285.74	48.55	130.472		
2,400.00	2,301.97	2,279.97	2,279.97	12.06	38.81	91.30	-5,431.32	3,272.55	6,335.55	6,284.69	50.86	124.559		
2,500.00	2,383.88	2,361.88	2,361.88	13.11	40.24	91.69	-5,431.32	3,272.55	6,337.38	6,284.03	53.35	118.789		
2,512.74	2,394.17	2,372.17	2,372.17	13.25	40.42	91.74	-5,431.32	3,272.55	6,337.66	6,283.99	53.67	118.089		
2,600.00	2,464.54	2,442.54	2,442.54	14.22	41.64	92.12	-5,431.32	3,272.55	6,339.81	6,283.95	55.86	113.486		
2,700.00	2,545.18	2,523.18	2,523.18	15.35	43.05	92.55	-5,431.32	3,272.55	6,342.80	6,284.40	58.40	108.615		
2,800.00	2,625.82	2,603.82	2,603.82	16.50	44.46	92.98	-5,431.32	3,272.55	6,346.33	6,285.39	60.94	104.135		
2,900.00	2,706.45	2,684.45	2,684.45	17.65	45.87	93.41	-5,431.32	3,272.55	6,350.41	6,286.91	63.50	100.008		
3,000.00	2,787.09	2,765.09	2,765.09	18.82	47.27	93.84	-5,431.32	3,272.55	6,355.04	6,288.98	66.06	96.198		
3,100.00	2,867.73	2,845.73	2,845.73	19.99	48.68	94.27	-5,431.32	3,272.55	6,360.21	6,291.58	68.63	92.673		
3,200.00	2,948.37	2,926.37	2,926.37	21.17	50.09	94.70	-5,431.32	3,272.55	6,365.94	6,294.73	71.20	89.405		
3,300.00	3,029.01	3,007.01	3,007.01	22.36	51.50	95.12	-5,431.32	3,272.55	6,372.20	6,298.42	73.78	86.369		
3,400.00	3,109.65	3,087.65	3,087.65	23.55	52.90	95.55	-5,431.32	3,272.55	6,379.01	6,302.65	76.36	83.543		
3,500.00	3,190.29	3,168.29	3,168.29	24.74	54.31	95.98	-5,431.32	3,272.55	6,386.35	6,307.42	78.93	80.909		
3,600.00	3,270.93	3,248.93	3,248.93	25.94	55.72	96.41	-5,431.32	3,272.55	6,394.24	6,312.73	81.51	78.448		
3,700.00	3,351.57	3,329.57	3,329.57	27.14	57.13	96.83	-5,431.32	3,272.55	6,402.66	6,318.57	84.09	76.145		
3,800.00	3,432.21	3,410.21	3,410.21	28.35	58.53	97.26	-5,431.32	3,272.55	6,411.62	6,324.96	86.66	73.986		
3,900.00	3,512.85	3,509.15	3,490.85	29.56	60.26	97.68	-5,431.32	3,272.55	6,421.10	6,331.55	89.55	71.703		
4,000.00	3,593.49	3,571.49	3,571.49	30.76	61.35	98.10	-5,431.32	3,272.55	6,431.12	6,339.32	91.80	70.055		
4,100.00	3,674.13	3,652.13	3,652.13	31.97	62.76	98.53	-5,431.32	3,272.55	6,441.67	6,347.30	94.37	68.262		
4,200.00	3,754.77	3,732.77	3,732.77	33.19	64.16	98.95	-5,431.32	3,272.55	6,452.74	6,355.81	96.93	66.572		
4,300.00	3,835.41	3,813.41	3,813.41	34.40	65.57	99.37	-5,431.32	3,272.55	6,464.33	6,364.84	99.49	64.976		
4,400.00	3,916.05	3,905.95	3,894.05	35.62	67.19	99.79	-5,431.32	3,272.55	6,476.44	6,374.19	102.25	63.340		
4,500.00	3,996.69	3,974.69	3,974.69	36.83	68.39	100.21	-5,431.32	3,272.55	6,489.07	6,384.48	104.59	62.042		
4,600.00	4,077.33	4,055.33	4,055.33	38.05	69.79	100.62	-5,431.32	3,272.55	6,502.21	6,395.08	107.14	60.691		
4,700.00	4,157.96	4,135.96	4,135.96	39.27	71.20	101.04	-5,431.32	3,272.55	6,515.87	6,406.19	109.68	59.410		
4,800.00	4,238.60	4,216.60	4,216.60	40.49	72.61	101.45	-5,431.32	3,272.55	6,530.02	6,417.81	112.21	58.195		
4,900.00	4,319.24	4,302.76	4,297.24	41.71	74.11	101.87	-5,431.32	3,272.55	6,544.69	6,429.85	114.83	56.993		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - SI VERT SEARS 22-26 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	4,399.88	4,377.88	4,377.88	42.93	75.42	102.28	-5,431.32	3,272.55	6,559.85	6,442.59	117.26	55.943		
5,100.00	4,480.52	4,458.52	4,458.52	44.15	76.83	102.69	-5,431.32	3,272.55	6,575.51	6,455.73	119.78	54.898		
5,200.00	4,561.16	4,539.16	4,539.16	45.37	78.24	103.10	-5,431.32	3,272.55	6,591.66	6,469.38	122.29	53.903		
5,300.00	4,641.80	4,619.80	4,619.80	46.59	79.64	103.51	-5,431.32	3,272.55	6,608.31	6,483.52	124.79	52.955		
5,400.00	4,722.44	4,700.44	4,700.44	47.82	81.05	103.92	-5,431.32	3,272.55	6,625.43	6,498.15	127.29	52.051		
5,500.00	4,803.08	4,781.08	4,781.08	49.04	82.46	104.32	-5,431.32	3,272.55	6,643.05	6,513.27	129.78	51.188		
5,600.00	4,883.72	4,861.72	4,861.72	50.27	83.87	104.73	-5,431.32	3,272.55	6,661.14	6,528.88	132.26	50.364		
5,700.00	4,964.36	4,942.36	4,942.36	51.49	85.27	105.13	-5,431.32	3,272.55	6,679.70	6,544.96	134.74	49.576		
5,800.00	5,045.00	5,023.00	5,023.00	52.71	86.68	105.53	-5,431.32	3,272.55	6,698.74	6,561.53	137.20	48.823		
5,900.00	5,125.64	5,103.64	5,103.64	53.94	88.09	105.93	-5,431.32	3,272.55	6,718.24	6,578.57	139.67	48.102		
6,000.00	5,206.28	5,184.28	5,184.28	55.17	89.50	106.33	-5,431.32	3,272.55	6,738.20	6,596.08	142.12	47.412		
6,100.00	5,286.92	5,264.92	5,264.92	56.39	90.90	106.73	-5,431.32	3,272.55	6,758.62	6,614.06	144.57	46.751		
6,200.00	5,367.56	5,345.56	5,345.56	57.62	92.31	107.12	-5,431.32	3,272.55	6,779.50	6,632.50	147.00	46.118		
6,300.00	5,448.20	5,426.20	5,426.20	58.84	93.72	107.51	-5,431.32	3,272.55	6,800.83	6,651.39	149.43	45.510		
6,400.00	5,528.84	5,506.84	5,506.84	60.07	95.13	107.91	-5,431.32	3,272.55	6,822.60	6,670.74	151.86	44.928		
6,500.00	5,609.47	5,587.47	5,587.47	61.30	96.53	108.30	-5,431.32	3,272.55	6,844.82	6,690.54	154.27	44.368		
6,600.00	5,690.11	5,668.11	5,668.11	62.53	97.94	108.68	-5,431.32	3,272.55	6,867.47	6,710.79	156.68	43.831		
6,700.00	5,770.75	5,748.75	5,748.75	63.75	99.35	109.07	-5,431.32	3,272.55	6,890.56	6,731.48	159.08	43.315		
6,800.00	5,851.39	5,829.39	5,829.39	64.98	100.76	109.45	-5,431.32	3,272.55	6,914.07	6,752.60	161.47	42.819		
6,900.00	5,932.03	5,910.03	5,910.03	66.21	102.16	109.84	-5,431.32	3,272.55	6,938.01	6,774.15	163.85	42.342		
7,000.00	6,012.67	6,009.33	5,990.67	67.44	103.90	110.22	-5,431.32	3,272.55	6,962.37	6,795.81	166.56	41.802		
7,100.00	6,093.31	6,071.31	6,071.31	68.66	104.98	110.60	-5,431.32	3,272.55	6,987.14	6,818.54	168.60	41.443		
7,200.00	6,173.95	6,151.95	6,151.95	69.89	106.39	110.97	-5,431.32	3,272.55	7,012.33	6,841.37	170.96	41.018		
7,300.00	6,254.59	6,232.59	6,232.59	71.12	107.79	111.35	-5,431.32	3,272.55	7,037.92	6,864.61	173.31	40.610		
7,400.00	6,335.23	6,313.23	6,313.23	72.35	109.20	111.72	-5,431.32	3,272.55	7,063.91	6,888.26	175.65	40.216		
7,500.00	6,415.87	6,406.13	6,393.87	73.58	110.82	112.09	-5,431.32	3,272.55	7,090.31	6,912.11	178.20	39.789		
7,600.00	6,496.51	6,474.51	6,474.51	74.81	112.02	112.46	-5,431.32	3,272.55	7,117.09	6,936.78	180.31	39.471		
7,700.00	6,577.15	6,555.15	6,555.15	76.04	113.42	112.83	-5,431.32	3,272.55	7,144.27	6,961.64	182.63	39.119		
7,800.00	6,657.79	6,635.79	6,635.79	77.27	114.83	113.20	-5,431.32	3,272.55	7,171.83	6,986.89	184.94	38.779		
7,900.00	6,738.43	6,716.43	6,716.43	78.50	116.24	113.56	-5,431.32	3,272.55	7,199.77	7,012.52	187.24	38.451		
8,000.00	6,819.07	6,802.93	6,797.07	79.73	117.75	113.92	-5,431.32	3,272.55	7,228.08	7,038.44	189.64	38.115		
8,100.00	6,899.71	6,877.71	6,877.71	80.96	119.05	114.28	-5,431.32	3,272.55	7,256.77	7,064.95	191.82	37.830		
8,200.00	6,980.35	6,958.35	6,958.35	82.18	120.46	114.64	-5,431.32	3,272.55	7,285.83	7,091.72	194.10	37.536		
8,240.58	7,013.07	7,008.93	6,991.07	82.68	121.34	114.78	-5,431.32	3,272.55	7,297.72	7,102.38	195.34	37.360		
8,250.00	7,020.68	7,001.32	6,998.68	82.80	121.21	113.62	-5,431.32	3,272.55	7,300.42	7,105.13	195.29	37.383		
8,300.00	7,061.63	7,039.63	7,039.63	83.40	121.88	107.03	-5,431.32	3,272.55	7,312.27	7,115.88	196.39	37.233		
8,350.00	7,103.23	7,081.23	7,081.23	83.97	122.60	99.85	-5,431.32	3,272.55	7,319.95	7,122.39	197.56	37.051		
8,400.00	7,145.18	7,123.18	7,123.18	84.51	123.34	92.34	-5,431.32	3,272.55	7,323.39	7,124.65	198.74	36.849		
8,450.00	7,187.16	7,165.16	7,165.16	85.01	124.07	84.81	-5,431.32	3,272.55	7,322.58	7,122.66	199.91	36.629		
8,500.00	7,228.84	7,206.84	7,206.84	85.46	124.80	77.60	-5,431.32	3,272.55	7,317.51	7,116.44	201.07	36.393		
8,550.00	7,269.91	7,247.91	7,247.91	85.86	125.51	70.97	-5,431.32	3,272.55	7,308.24	7,106.04	202.20	36.144		
8,600.00	7,310.05	7,288.05	7,288.05	86.20	126.21	65.08	-5,431.32	3,272.55	7,294.81	7,091.52	203.29	35.883		
8,650.00	7,348.97	7,326.97	7,326.97	86.50	126.89	59.99	-5,431.32	3,272.55	7,277.34	7,073.00	204.34	35.614		
8,700.00	7,386.36	7,364.36	7,364.36	86.74	127.55	55.69	-5,431.32	3,272.55	7,255.95	7,050.62	205.34	35.337		
8,750.00	7,421.94	7,400.06	7,399.94	86.93	128.17	52.13	-5,431.32	3,272.55	7,230.80	7,024.52	206.27	35.054		
8,800.00	7,455.44	7,433.44	7,433.44	87.07	128.75	49.24	-5,431.32	3,272.55	7,202.05	6,994.91	207.14	34.769		
8,850.00	7,486.61	7,464.61	7,464.61	87.16	129.30	46.96	-5,431.32	3,272.55	7,169.93	6,961.99	207.94	34.480		
8,900.00	7,515.20	7,506.80	7,493.20	87.20	130.03	45.25	-5,431.32	3,272.55	7,134.67	6,925.76	208.91	34.152		
8,950.00	7,541.00	7,519.00	7,519.00	87.21	130.25	44.09	-5,431.32	3,272.55	7,096.52	6,887.20	209.32	33.903		
9,000.00	7,563.81	7,541.81	7,541.81	87.17	130.64	43.48	-5,431.32	3,272.55	7,055.76	6,845.87	209.89	33.617		
9,050.00	7,583.47	7,561.47	7,561.47	87.10	130.99	43.51	-5,431.32	3,272.55	7,012.68	6,802.31	210.37	33.334		
9,100.00	7,599.81	7,577.81	7,577.81	87.00	131.27	44.33	-5,431.32	3,272.55	6,967.61	6,756.83	210.78	33.057		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - SI VERT SEARS 22-26 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-IN-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,150.00	7,612.72	7,609.28	7,590.72	86.88	131.82	46.34	-5,431.32	3,272.55	6,920.87	6,709.44	211.42	32.735		
9,200.00	7,622.09	7,600.09	7,600.09	86.72	131.66	50.52	-5,431.32	3,272.55	6,872.80	6,661.47	211.33	32.521		
9,250.00	7,627.87	7,605.87	7,605.87	86.55	131.76	59.85	-5,431.32	3,272.55	6,823.78	6,612.29	211.49	32.266		
9,303.98	7,630.00	7,608.00	7,608.00	86.35	131.80	90.00	-5,431.32	3,272.55	6,770.19	6,558.62	211.56	32.001		
9,400.00	7,630.00	7,608.00	7,608.00	85.99	131.80	90.00	-5,431.32	3,272.55	6,674.52	6,462.90	211.62	31.540		
9,500.00	7,630.00	7,608.00	7,608.00	85.62	131.80	90.00	-5,431.32	3,272.55	6,574.89	6,363.22	211.68	31.061		
9,600.00	7,630.00	7,608.00	7,608.00	85.28	131.80	90.00	-5,431.32	3,272.55	6,475.28	6,263.54	211.74	30.582		
9,700.00	7,630.00	7,608.00	7,608.00	84.95	131.80	90.00	-5,431.32	3,272.55	6,375.68	6,163.88	211.80	30.102		
9,800.00	7,630.00	7,608.00	7,608.00	84.64	131.80	90.00	-5,431.32	3,272.55	6,276.10	6,064.23	211.87	29.623		
9,900.00	7,630.00	7,608.00	7,608.00	84.34	131.80	90.00	-5,431.32	3,272.55	6,176.52	5,964.59	211.93	29.143		
10,000.00	7,630.00	7,608.00	7,608.00	84.06	131.80	90.00	-5,431.32	3,272.55	6,076.96	5,864.96	212.01	28.664		
10,100.00	7,630.00	7,608.00	7,608.00	83.80	131.80	90.00	-5,431.32	3,272.55	5,977.42	5,765.34	212.08	28.185		
10,200.00	7,630.00	7,608.00	7,608.00	83.56	131.80	90.00	-5,431.32	3,272.55	5,877.89	5,665.73	212.16	27.705		
10,300.00	7,630.00	7,608.00	7,608.00	83.33	131.80	90.00	-5,431.32	3,272.55	5,778.38	5,566.14	212.24	27.226		
10,400.00	7,630.00	7,608.00	7,608.00	83.12	131.80	90.00	-5,431.32	3,272.55	5,678.88	5,466.56	212.32	26.747		
10,500.00	7,630.00	7,608.00	7,608.00	82.92	131.80	90.00	-5,431.32	3,272.55	5,579.40	5,367.00	212.41	26.268		
10,600.00	7,630.00	7,608.00	7,608.00	82.75	131.80	90.00	-5,431.32	3,272.55	5,479.94	5,267.45	212.50	25.788		
10,700.00	7,630.00	7,608.00	7,608.00	82.59	131.80	90.00	-5,431.32	3,272.55	5,380.50	5,167.91	212.59	25.309		
10,800.00	7,630.00	7,608.00	7,608.00	82.45	131.80	90.00	-5,431.32	3,272.55	5,281.09	5,068.40	212.69	24.830		
10,900.00	7,630.00	7,608.00	7,608.00	82.33	131.80	90.00	-5,431.32	3,272.55	5,181.69	4,968.90	212.79	24.351		
11,000.00	7,630.00	7,608.00	7,608.00	82.22	131.80	90.00	-5,431.32	3,272.55	5,082.32	4,869.42	212.90	23.872		
11,100.00	7,630.00	7,608.00	7,608.00	82.14	131.80	90.00	-5,431.32	3,272.55	4,982.97	4,769.97	213.01	23.393		
11,200.00	7,630.00	7,608.00	7,608.00	82.08	131.80	90.00	-5,431.32	3,272.55	4,883.66	4,670.53	213.13	22.914		
11,300.00	7,630.00	7,608.00	7,608.00	82.04	131.80	90.00	-5,431.32	3,272.55	4,784.36	4,571.12	213.25	22.436		
11,400.00	7,630.00	7,608.00	7,608.00	82.02	131.80	90.00	-5,431.32	3,272.55	4,685.10	4,471.73	213.37	21.957		
11,500.00	7,630.00	7,608.00	7,608.00	82.03	131.80	90.00	-5,431.32	3,272.55	4,585.87	4,372.37	213.51	21.479		
11,600.00	7,630.00	7,608.00	7,608.00	82.06	131.80	90.00	-5,431.32	3,272.55	4,486.68	4,273.03	213.65	21.000		
11,700.00	7,630.00	7,608.00	7,608.00	82.12	131.80	90.00	-5,431.32	3,272.55	4,387.52	4,173.73	213.79	20.522		
11,800.00	7,630.00	7,608.00	7,608.00	82.21	131.80	90.00	-5,431.32	3,272.55	4,288.40	4,074.46	213.95	20.044		
11,900.00	7,630.00	7,608.00	7,608.00	82.33	131.80	90.00	-5,431.32	3,272.55	4,189.32	3,975.22	214.11	19.566		
12,000.00	7,630.00	7,608.00	7,608.00	82.48	131.80	90.00	-5,431.32	3,272.55	4,090.29	3,876.02	214.28	19.089		
12,100.00	7,630.00	7,608.00	7,608.00	82.66	131.80	90.00	-5,431.32	3,272.55	3,991.31	3,776.85	214.46	18.611		
12,200.00	7,630.00	7,608.00	7,608.00	82.88	131.80	90.00	-5,431.32	3,272.55	3,892.38	3,677.73	214.64	18.134		
12,300.00	7,630.00	7,608.00	7,608.00	83.14	131.80	90.00	-5,431.32	3,272.55	3,793.50	3,578.66	214.84	17.657		
12,400.00	7,630.00	7,608.00	7,608.00	83.44	131.80	90.00	-5,431.32	3,272.55	3,694.68	3,479.63	215.05	17.181		
12,500.00	7,630.00	7,608.00	7,608.00	83.79	131.80	90.00	-5,431.32	3,272.55	3,595.93	3,380.66	215.27	16.704		
12,600.00	7,630.00	7,608.00	7,608.00	84.18	131.80	90.00	-5,431.32	3,272.55	3,497.26	3,281.75	215.50	16.228		
12,700.00	7,630.00	7,608.00	7,608.00	84.61	131.80	90.00	-5,431.32	3,272.55	3,398.65	3,182.90	215.75	15.753		
12,800.00	7,630.00	7,608.00	7,608.00	85.10	131.80	90.00	-5,431.32	3,272.55	3,300.14	3,084.12	216.02	15.277		
12,900.00	7,630.00	7,608.00	7,608.00	85.64	131.80	90.00	-5,431.32	3,272.55	3,201.71	2,985.42	216.29	14.803		
13,000.00	7,630.00	7,608.00	7,608.00	86.22	131.80	90.00	-5,431.32	3,272.55	3,103.39	2,886.79	216.59	14.328		
13,100.00	7,630.00	7,608.00	7,608.00	86.86	131.80	90.00	-5,431.32	3,272.55	3,005.17	2,788.26	216.91	13.854		
13,200.00	7,630.00	7,608.00	7,608.00	87.56	131.80	90.00	-5,431.32	3,272.55	2,907.08	2,689.83	217.25	13.381		
13,300.00	7,630.00	7,608.00	7,608.00	88.30	131.80	90.00	-5,431.32	3,272.55	2,809.12	2,591.51	217.61	12.909		
13,400.00	7,630.00	7,608.00	7,608.00	89.10	131.80	90.00	-5,431.32	3,272.55	2,711.31	2,493.31	218.00	12.437		
13,500.00	7,630.00	7,608.00	7,608.00	89.94	131.80	90.00	-5,431.32	3,272.55	2,613.67	2,395.24	218.42	11.966		
13,600.00	7,630.00	7,608.00	7,608.00	90.84	131.80	90.00	-5,431.32	3,272.55	2,516.21	2,297.33	218.88	11.496		
13,700.00	7,630.00	7,608.00	7,608.00	91.78	131.80	90.00	-5,431.32	3,272.55	2,418.96	2,199.59	219.37	11.027		
13,800.00	7,630.00	7,608.00	7,608.00	92.77	131.80	90.00	-5,431.32	3,272.55	2,321.94	2,102.04	219.90	10.559		
13,900.00	7,630.00	7,608.00	7,608.00	93.79	131.80	90.00	-5,431.32	3,272.55	2,225.19	2,004.72	220.47	10.093		
14,000.00	7,630.00	7,608.00	7,608.00	94.86	131.80	90.00	-5,431.32	3,272.55	2,128.73	1,907.63	221.10	9.628		
14,100.00	7,630.00	7,608.00	7,608.00	95.97	131.80	90.00	-5,431.32	3,272.55	2,032.62	1,810.84	221.79	9.165		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - SI VERT SEARS 22-26 - OWB - Design #1													Offset Site Error: 0.00 usft	
Survey Program: 0-INC-ONLY													Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,630.00	7,608.00	7,608.00	97.11	131.80	90.00	-5,431.32	3,272.55	1,936.91	1,714.37	222.54	8.704		
14,300.00	7,630.00	7,608.00	7,608.00	98.28	131.80	90.00	-5,431.32	3,272.55	1,841.65	1,618.28	223.37	8.245		
14,400.00	7,630.00	7,608.00	7,608.00	99.48	131.80	90.00	-5,431.32	3,272.55	1,746.91	1,522.64	224.28	7.789		
14,500.00	7,630.00	7,608.00	7,608.00	100.72	131.80	90.00	-5,431.32	3,272.55	1,652.80	1,427.51	225.29	7.336		
14,600.00	7,630.00	7,608.00	7,608.00	101.97	131.80	90.00	-5,431.32	3,272.55	1,559.43	1,333.01	226.42	6.887		
14,700.00	7,630.00	7,608.00	7,608.00	103.26	131.80	90.00	-5,431.32	3,272.55	1,466.92	1,239.25	227.67	6.443		
14,800.00	7,630.00	7,608.00	7,608.00	104.56	131.80	90.00	-5,431.32	3,272.55	1,375.47	1,146.40	229.07	6.005		
14,900.00	7,630.00	7,608.00	7,608.00	105.89	131.80	90.00	-5,431.32	3,272.55	1,285.29	1,054.65	230.64	5.573		
15,000.00	7,630.00	7,608.00	7,608.00	107.24	131.80	90.00	-5,431.32	3,272.55	1,196.67	964.27	232.40	5.149		
15,100.00	7,630.00	7,608.00	7,608.00	108.60	131.80	90.00	-5,431.32	3,272.55	1,109.98	875.62	234.36	4.736		
15,200.00	7,630.00	7,608.00	7,608.00	109.98	131.80	90.00	-5,431.32	3,272.55	1,025.73	789.18	236.55	4.336		
15,300.00	7,630.00	7,608.00	7,608.00	111.38	131.80	90.00	-5,431.32	3,272.55	944.55	705.59	238.96	3.953		
15,400.00	7,630.00	7,608.00	7,608.00	112.79	131.80	90.00	-5,431.32	3,272.55	867.31	625.76	241.54	3.591		
15,500.00	7,630.00	7,608.00	7,608.00	114.22	131.80	90.00	-5,431.32	3,272.55	795.15	550.93	244.22	3.256		
15,600.00	7,630.00	7,608.00	7,608.00	115.66	131.80	90.00	-5,431.32	3,272.55	729.60	482.82	246.78	2.956		
15,700.00	7,630.00	7,608.00	7,608.00	117.11	131.80	90.00	-5,431.32	3,272.55	672.59	423.70	248.88	2.702		
15,800.00	7,630.00	7,608.00	7,608.00	118.57	131.80	90.00	-5,431.32	3,272.55	626.44	376.46	249.98	2.506		
15,900.00	7,630.00	7,608.00	7,608.00	120.05	131.80	90.00	-5,431.32	3,272.55	593.69	344.27	249.42	2.380		
16,000.00	7,630.00	7,608.00	7,608.00	121.53	131.80	90.00	-5,431.32	3,272.55	576.65	329.97	246.68	2.338 ES, SF		
16,049.75	7,630.00	7,608.00	7,608.00	122.27	131.80	90.00	-5,431.32	3,272.55	574.50	330.03	244.47	2.350 CC		
16,100.00	7,630.00	7,608.00	7,608.00	123.03	131.80	90.00	-5,431.32	3,272.55	576.69	334.98	241.71	2.386		
16,200.00	7,630.00	7,608.00	7,608.00	124.53	131.80	90.00	-5,431.32	3,272.55	593.82	358.71	235.11	2.526		
16,300.00	7,630.00	7,608.00	7,608.00	126.04	131.80	90.00	-5,431.32	3,272.55	626.64	398.73	227.90	2.750		
16,400.00	7,630.00	7,608.00	7,608.00	127.56	131.80	90.00	-5,431.32	3,272.55	672.85	451.79	221.06	3.044		
16,500.00	7,630.00	7,608.00	7,608.00	129.09	131.80	90.00	-5,431.32	3,272.55	729.92	514.73	215.19	3.392		
16,600.00	7,630.00	7,608.00	7,608.00	130.62	131.80	90.00	-5,431.32	3,272.55	795.51	585.00	210.51	3.779		
16,700.00	7,630.00	7,608.00	7,608.00	132.16	131.80	90.00	-5,431.32	3,272.55	867.69	660.72	206.96	4.192		
16,800.00	7,630.00	7,608.00	7,608.00	133.71	131.80	90.00	-5,431.32	3,272.55	944.95	740.56	204.39	4.623		
16,900.00	7,630.00	7,608.00	7,608.00	135.27	131.80	90.00	-5,431.32	3,272.55	1,026.15	823.58	202.57	5.066		
17,000.00	7,630.00	7,608.00	7,608.00	136.83	131.80	90.00	-5,431.32	3,272.55	1,110.42	909.08	201.34	5.515		
17,100.00	7,630.00	7,608.00	7,608.00	138.39	131.80	90.00	-5,431.32	3,272.55	1,197.11	996.59	200.53	5.970		
17,200.00	7,630.00	7,608.00	7,608.00	139.97	131.80	90.00	-5,431.32	3,272.55	1,285.74	1,085.72	200.02	6.428		
17,300.00	7,630.00	7,608.00	7,608.00	141.54	131.80	90.00	-5,431.32	3,272.55	1,375.93	1,176.19	199.74	6.889		
17,400.00	7,630.00	7,608.00	7,608.00	143.12	131.80	90.00	-5,431.32	3,272.55	1,467.39	1,267.77	199.62	7.351		
17,500.00	7,630.00	7,608.00	7,608.00	144.71	131.80	90.00	-5,431.32	3,272.55	1,559.90	1,360.29	199.61	7.815		
17,600.00	7,630.00	7,608.00	7,608.00	146.30	131.80	90.00	-5,431.32	3,272.55	1,653.28	1,453.61	199.67	8.280		
17,700.00	7,630.00	7,608.00	7,608.00	147.90	131.80	90.00	-5,431.32	3,272.55	1,747.39	1,547.60	199.79	8.746		
17,800.00	7,630.00	7,608.00	7,608.00	149.50	131.80	90.00	-5,431.32	3,272.55	1,842.13	1,642.18	199.95	9.213		
17,900.00	7,630.00	7,608.00	7,608.00	151.10	131.80	90.00	-5,431.32	3,272.55	1,937.39	1,737.26	200.13	9.681		
18,000.00	7,630.00	7,608.00	7,608.00	152.71	131.80	90.00	-5,431.32	3,272.55	2,033.11	1,832.78	200.33	10.149		
18,100.00	7,630.00	7,608.00	7,608.00	154.32	131.80	90.00	-5,431.32	3,272.55	2,129.22	1,928.69	200.54	10.618		
18,200.00	7,630.00	7,608.00	7,608.00	155.94	131.80	90.00	-5,431.32	3,272.55	2,225.68	2,024.93	200.75	11.087		
18,300.00	7,630.00	7,608.00	7,608.00	157.56	131.80	90.00	-5,431.32	3,272.55	2,322.43	2,121.47	200.96	11.557		
18,400.00	7,630.00	7,608.00	7,608.00	159.18	131.80	90.00	-5,431.32	3,272.55	2,419.45	2,218.28	201.17	12.027		
18,500.00	7,630.00	7,608.00	7,608.00	160.80	131.80	90.00	-5,431.32	3,272.55	2,516.70	2,315.32	201.39	12.497		
18,600.00	7,630.00	7,608.00	7,608.00	162.43	131.80	90.00	-5,431.32	3,272.55	2,614.16	2,412.57	201.59	12.968		
18,700.00	7,630.00	7,608.00	7,608.00	164.06	131.80	90.00	-5,431.32	3,272.55	2,711.81	2,510.01	201.80	13.438		
18,800.00	7,630.00	7,608.00	7,608.00	165.70	131.80	90.00	-5,431.32	3,272.55	2,809.62	2,607.62	201.99	13.909		
18,900.00	7,630.00	7,608.00	7,608.00	167.33	131.80	90.00	-5,431.32	3,272.55	2,907.58	2,705.39	202.19	14.381		
19,000.00	7,630.00	7,608.00	7,608.00	168.97	131.80	90.00	-5,431.32	3,272.55	3,005.67	2,803.29	202.38	14.852		
19,021.79	7,630.00	7,608.00	7,608.00	169.33	131.80	90.00	-5,431.32	3,272.55	3,027.06	2,824.64	202.42	14.955		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - SI VERT SHANNON-ROBERTS 2 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	134.31	-5,559.11	5,694.01	7,957.82					
100.00	100.00	61.00	61.00	0.13	0.51	134.31	-5,559.11	5,694.01	7,957.73	7,957.09	0.64	N/A		
200.00	200.00	161.00	161.00	0.49	1.89	134.31	-5,559.11	5,694.01	7,957.73	7,955.34	2.39	3,334.362		
300.00	300.00	261.00	261.00	0.85	3.64	134.31	-5,559.11	5,694.01	7,957.73	7,953.24	4.49	1,772.172		
400.00	400.00	361.00	361.00	1.21	5.38	134.31	-5,559.11	5,694.01	7,957.73	7,951.13	6.59	1,206.780		
500.00	500.00	461.00	461.00	1.57	7.13	134.31	-5,559.11	5,694.01	7,957.73	7,949.03	8.70	914.893		
600.00	600.00	561.00	561.00	1.93	8.88	134.31	-5,559.11	5,694.01	7,957.73	7,946.93	10.80	736.705		
700.00	700.00	661.00	661.00	2.29	10.62	134.31	-5,559.11	5,694.01	7,957.73	7,944.82	12.91	616.611		
800.00	799.98	760.98	760.98	2.64	12.37	72.55	-5,559.11	5,694.01	7,957.20	7,942.20	15.00	530.316		
900.00	899.84	860.84	860.84	2.99	14.11	72.62	-5,559.11	5,694.01	7,955.64	7,938.54	17.10	465.235		
1,000.00	999.45	960.45	960.45	3.35	15.85	72.72	-5,559.11	5,694.01	7,953.03	7,933.83	19.20	414.266		
1,100.00	1,098.70	1,059.70	1,059.70	3.73	17.58	72.88	-5,559.11	5,694.01	7,949.40	7,928.10	21.30	373.222		
1,200.00	1,197.47	1,158.47	1,158.47	4.11	19.30	73.07	-5,559.11	5,694.01	7,944.77	7,921.36	23.41	339.408		
1,300.00	1,295.62	1,256.62	1,256.62	4.53	21.02	73.31	-5,559.11	5,694.01	7,939.16	7,913.63	25.53	311.021		
1,400.00	1,393.06	1,354.06	1,354.06	4.97	22.72	73.59	-5,559.11	5,694.01	7,932.59	7,904.94	27.66	286.808		
1,500.00	1,489.64	1,450.64	1,450.64	5.44	24.40	73.91	-5,559.11	5,694.01	7,925.11	7,895.31	29.81	265.875		
1,600.00	1,585.27	1,546.27	1,546.27	5.95	26.07	74.26	-5,559.11	5,694.01	7,916.76	7,884.78	31.98	247.567		
1,700.00	1,679.82	1,640.82	1,640.82	6.51	27.72	74.66	-5,559.11	5,694.01	7,907.57	7,873.40	34.17	231.398		
1,800.00	1,773.17	1,734.17	1,734.17	7.13	29.35	75.08	-5,559.11	5,694.01	7,897.60	7,861.21	36.40	216.995		
1,900.00	1,865.21	1,826.21	1,826.21	7.79	30.96	75.55	-5,559.11	5,694.01	7,886.90	7,848.26	38.65	204.071		
2,000.00	1,955.84	1,916.84	1,916.84	8.51	32.54	76.04	-5,559.11	5,694.01	7,875.53	7,834.60	40.93	192.401		
2,100.00	2,044.94	2,005.94	2,005.94	9.30	34.09	76.56	-5,559.11	5,694.01	7,863.55	7,820.30	43.25	181.807		
2,200.00	2,132.39	2,106.61	2,093.39	10.15	35.85	77.11	-5,559.11	5,694.01	7,851.03	7,805.19	45.84	171.279		
2,300.00	2,218.11	2,179.11	2,179.11	11.07	37.12	77.68	-5,559.11	5,694.01	7,838.03	7,790.03	48.00	163.296		
2,400.00	2,301.97	2,262.97	2,262.97	12.06	38.58	78.28	-5,559.11	5,694.01	7,824.63	7,774.20	50.43	155.164		
2,500.00	2,383.88	2,344.88	2,344.88	13.11	40.01	78.89	-5,559.11	5,694.01	7,810.91	7,758.01	52.89	147.669		
2,512.74	2,394.17	2,355.17	2,355.17	13.25	40.19	78.97	-5,559.11	5,694.01	7,809.14	7,755.93	53.21	146.757		
2,600.00	2,464.54	2,425.54	2,425.54	14.22	41.42	79.27	-5,559.11	5,694.01	7,797.18	7,741.78	55.39	140.760		
2,700.00	2,545.18	2,506.18	2,506.18	15.35	42.82	79.62	-5,559.11	5,694.01	7,783.87	7,725.95	57.91	134.402		
2,800.00	2,625.82	2,586.82	2,586.82	16.50	44.23	79.97	-5,559.11	5,694.01	7,770.98	7,710.53	60.45	128.543		
2,900.00	2,706.45	2,667.45	2,667.45	17.65	45.64	80.32	-5,559.11	5,694.01	7,758.53	7,695.52	63.01	123.133		
3,000.00	2,787.09	2,748.09	2,748.09	18.82	47.05	80.67	-5,559.11	5,694.01	7,746.50	7,680.93	65.58	118.128		
3,100.00	2,867.73	2,828.73	2,828.73	19.99	48.45	81.02	-5,559.11	5,694.01	7,734.92	7,666.76	68.16	113.489		
3,200.00	2,948.37	2,909.37	2,909.37	21.17	49.86	81.37	-5,559.11	5,694.01	7,723.76	7,653.02	70.74	109.179		
3,300.00	3,029.01	3,009.99	2,990.01	22.36	51.62	81.72	-5,559.11	5,694.01	7,713.04	7,639.36	73.69	104.671		
3,400.00	3,109.65	3,070.65	3,070.65	23.55	52.68	82.08	-5,559.11	5,694.01	7,702.77	7,626.82	75.94	101.428		
3,500.00	3,190.29	3,151.29	3,151.29	24.74	54.08	82.43	-5,559.11	5,694.01	7,692.93	7,614.38	78.55	97.933		
3,600.00	3,270.93	3,231.93	3,231.93	25.94	55.49	82.78	-5,559.11	5,694.01	7,683.54	7,602.37	81.17	94.663		
3,700.00	3,351.57	3,312.57	3,312.57	27.14	56.90	83.14	-5,559.11	5,694.01	7,674.59	7,590.80	83.79	91.596		
3,800.00	3,432.21	3,406.79	3,393.21	28.35	58.54	83.49	-5,559.11	5,694.01	7,666.08	7,579.43	86.65	88.474		
3,900.00	3,512.85	3,473.85	3,473.85	29.56	59.71	83.85	-5,559.11	5,694.01	7,658.03	7,568.99	89.04	86.008		
4,000.00	3,593.49	3,554.49	3,554.49	30.76	61.12	84.21	-5,559.11	5,694.01	7,650.42	7,558.75	91.67	83.457		
4,100.00	3,674.13	3,635.13	3,635.13	31.97	62.53	84.56	-5,559.11	5,694.01	7,643.26	7,548.96	94.30	81.051		
4,200.00	3,754.77	3,715.77	3,715.77	33.19	63.94	84.92	-5,559.11	5,694.01	7,636.55	7,539.61	96.94	78.778		
4,300.00	3,835.41	3,803.59	3,796.41	34.40	65.47	85.28	-5,559.11	5,694.01	7,630.30	7,530.60	99.70	76.532		
4,400.00	3,916.05	3,877.05	3,877.05	35.62	66.75	85.63	-5,559.11	5,694.01	7,624.50	7,522.28	102.21	74.593		
4,500.00	3,996.69	3,957.69	3,957.69	36.83	68.16	85.99	-5,559.11	5,694.01	7,619.15	7,514.30	104.86	72.663		
4,600.00	4,077.33	4,038.33	4,038.33	38.05	69.57	86.35	-5,559.11	5,694.01	7,614.26	7,506.76	107.50	70.832		
4,700.00	4,157.96	4,118.96	4,118.96	39.27	70.97	86.71	-5,559.11	5,694.01	7,609.83	7,499.69	110.14	69.093		
4,800.00	4,238.60	4,200.40	4,199.60	40.49	72.39	87.07	-5,559.11	5,694.01	7,605.85	7,493.05	112.80	67.430		
4,900.00	4,319.24	4,280.24	4,280.24	41.71	73.79	87.43	-5,559.11	5,694.01	7,602.33	7,486.91	115.42	65.864		
5,000.00	4,399.88	4,360.88	4,360.88	42.93	75.20	87.79	-5,559.11	5,694.01	7,599.27	7,481.20	118.07	64.364		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - SI VERT SHANNON-ROBERTS 2 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)						
5,100.00	4,480.52	4,441.52	4,441.52	44.15	76.60	88.15	-5,559.11	5,694.01	7,596.67	7,475.96	120.71	62.934		
5,200.00	4,561.16	4,522.16	4,522.16	45.37	78.01	88.51	-5,559.11	5,694.01	7,594.53	7,471.18	123.35	61.569		
5,300.00	4,641.80	4,602.80	4,602.80	46.59	79.42	88.87	-5,559.11	5,694.01	7,592.85	7,466.86	125.99	60.265		
5,400.00	4,722.44	4,683.44	4,683.44	47.82	80.83	89.23	-5,559.11	5,694.01	7,591.62	7,462.99	128.63	59.019		
5,500.00	4,803.08	4,764.08	4,764.08	49.04	82.23	89.59	-5,559.11	5,694.01	7,590.86	7,459.60	131.27	57.828		
5,600.00	4,883.72	4,844.72	4,844.72	50.27	83.64	89.95	-5,559.11	5,694.01	7,590.56	7,456.66	133.90	56.687		
5,615.13	4,895.92	4,856.92	4,856.92	50.45	83.85	90.00	-5,559.11	5,694.01	7,590.56	7,456.26	134.30	56.519		
5,700.00	4,964.36	4,925.36	4,925.36	51.49	85.05	90.31	-5,559.11	5,694.01	7,590.72	7,454.19	136.54	55.595		
5,800.00	5,045.00	5,006.00	5,006.00	52.71	86.45	90.67	-5,559.11	5,694.01	7,591.35	7,452.18	139.17	54.548		
5,900.00	5,125.64	5,086.64	5,086.64	53.94	87.86	91.03	-5,559.11	5,694.01	7,592.43	7,450.63	141.80	53.544		
6,000.00	5,206.28	5,167.28	5,167.28	55.17	89.27	91.39	-5,559.11	5,694.01	7,593.97	7,449.54	144.43	52.581		
6,100.00	5,286.92	5,247.92	5,247.92	56.39	90.68	91.74	-5,559.11	5,694.01	7,595.97	7,448.92	147.05	51.656		
6,200.00	5,367.56	5,328.56	5,328.56	57.62	92.08	92.10	-5,559.11	5,694.01	7,598.43	7,448.76	149.67	50.768		
6,300.00	5,448.20	5,409.20	5,409.20	58.84	93.49	92.46	-5,559.11	5,694.01	7,601.36	7,449.07	152.29	49.914		
6,400.00	5,528.84	5,425.00	5,425.00	60.07	93.77	92.53	-5,559.11	5,694.01	7,605.01	7,451.25	153.76	49.460		
6,500.00	5,609.47	5,425.00	5,425.00	61.30	93.77	92.53	-5,559.11	5,694.01	7,609.96	7,455.03	154.94	49.117		
6,600.00	5,690.11	5,425.00	5,425.00	62.53	93.77	92.53	-5,559.11	5,694.01	7,616.23	7,460.14	156.09	48.794		
6,700.00	5,770.75	5,425.00	5,425.00	63.75	93.77	92.53	-5,559.11	5,694.01	7,623.80	7,466.58	157.22	48.492		
6,800.00	5,851.39	5,425.00	5,425.00	64.98	93.77	92.53	-5,559.11	5,694.01	7,632.67	7,474.34	158.33	48.208		
6,900.00	5,932.03	5,425.00	5,425.00	66.21	93.77	92.53	-5,559.11	5,694.01	7,642.84	7,483.43	159.41	47.944		
7,000.00	6,012.67	5,425.00	5,425.00	67.44	93.77	92.53	-5,559.11	5,694.01	7,654.30	7,493.83	160.47	47.699		
7,100.00	6,093.31	5,425.00	5,425.00	68.66	93.77	92.53	-5,559.11	5,694.01	7,667.05	7,505.54	161.51	47.471		
7,200.00	6,173.95	5,425.00	5,425.00	69.89	93.77	92.53	-5,559.11	5,694.01	7,681.08	7,518.56	162.52	47.262		
7,300.00	6,254.59	5,425.00	5,425.00	71.12	93.77	92.53	-5,559.11	5,694.01	7,696.39	7,532.88	163.51	47.070		
7,400.00	6,335.23	5,425.00	5,425.00	72.35	93.77	92.53	-5,559.11	5,694.01	7,712.96	7,548.49	164.47	46.895		
7,500.00	6,415.87	5,425.00	5,425.00	73.58	93.77	92.53	-5,559.11	5,694.01	7,730.79	7,565.38	165.41	46.736		
7,600.00	6,496.51	5,425.00	5,425.00	74.81	93.77	92.53	-5,559.11	5,694.01	7,749.87	7,583.54	166.33	46.594		
7,700.00	6,577.15	5,425.00	5,425.00	76.04	93.77	92.53	-5,559.11	5,694.01	7,770.19	7,602.97	167.22	46.468		
7,800.00	6,657.79	5,425.00	5,425.00	77.27	93.77	92.53	-5,559.11	5,694.01	7,791.74	7,623.66	168.08	46.357		
7,900.00	6,738.43	5,425.00	5,425.00	78.50	93.77	92.53	-5,559.11	5,694.01	7,814.51	7,645.59	168.92	46.261		
8,000.00	6,819.07	5,425.00	5,425.00	79.73	93.77	92.53	-5,559.11	5,694.01	7,838.49	7,668.75	169.74	46.180		
8,100.00	6,899.71	5,425.00	5,425.00	80.96	93.77	92.53	-5,559.11	5,694.01	7,863.67	7,693.14	170.53	46.114		
8,200.00	6,980.35	5,425.00	5,425.00	82.18	93.77	92.53	-5,559.11	5,694.01	7,890.03	7,718.74	171.29	46.062		
8,240.58	7,013.07	5,425.00	5,425.00	82.68	93.77	92.53	-5,559.11	5,694.01	7,901.07	7,729.47	171.60	46.045		
8,250.00	7,020.68	5,425.00	5,425.00	82.80	93.77	91.44	-5,559.11	5,694.01	7,903.59	7,731.92	171.66	46.041		
8,300.00	7,061.63	5,425.00	5,425.00	83.40	93.77	85.10	-5,559.11	5,694.01	7,914.78	7,742.76	172.02	46.010		
8,350.00	7,103.23	5,425.00	5,425.00	83.97	93.77	78.03	-5,559.11	5,694.01	7,922.28	7,749.92	172.36	45.964		
8,400.00	7,145.18	5,425.00	5,425.00	84.51	93.77	70.48	-5,559.11	5,694.01	7,926.01	7,753.35	172.67	45.904		
8,450.00	7,187.16	5,425.00	5,425.00	85.01	93.77	62.77	-5,559.11	5,694.01	7,925.98	7,753.03	172.94	45.830		
8,500.00	7,228.84	5,425.00	5,425.00	85.46	93.77	55.23	-5,559.11	5,694.01	7,922.16	7,748.98	173.18	45.746		
8,550.00	7,269.91	5,425.00	5,425.00	85.86	93.77	48.12	-5,559.11	5,694.01	7,914.59	7,741.22	173.37	45.650		
8,600.00	7,310.05	5,425.00	5,425.00	86.20	93.77	41.58	-5,559.11	5,694.01	7,903.32	7,729.79	173.53	45.545		
8,650.00	7,348.97	5,425.00	5,425.00	86.50	93.77	35.65	-5,559.11	5,694.01	7,888.40	7,714.77	173.64	45.430		
8,700.00	7,386.36	5,425.00	5,425.00	86.74	93.77	30.30	-5,559.11	5,694.01	7,869.95	7,696.25	173.71	45.306		
8,750.00	7,421.94	5,425.00	5,425.00	86.93	93.77	25.45	-5,559.11	5,694.01	7,848.07	7,674.34	173.73	45.174		
8,800.00	7,455.44	5,425.00	5,425.00	87.07	93.77	20.97	-5,559.11	5,694.01	7,822.90	7,649.19	173.71	45.033		
8,850.00	7,486.61	5,425.00	5,425.00	87.16	93.77	16.75	-5,559.11	5,694.01	7,794.61	7,620.94	173.66	44.884		
8,900.00	7,515.20	5,425.00	5,425.00	87.20	93.77	12.64	-5,559.11	5,694.01	7,763.36	7,589.79	173.57	44.727		
8,950.00	7,541.00	5,425.00	5,425.00	87.21	93.77	8.50	-5,559.11	5,694.01	7,729.38	7,555.93	173.45	44.562		
9,000.00	7,563.81	5,425.00	5,425.00	87.17	93.77	4.16	-5,559.11	5,694.01	7,692.88	7,519.58	173.30	44.390		
9,050.00	7,583.47	5,425.00	5,425.00	87.10	93.77	-0.57	-5,559.11	5,694.01	7,654.11	7,480.97	173.13	44.210		
9,100.00	7,599.81	5,425.00	5,425.00	87.00	93.77	-5.93	-5,559.11	5,694.01	7,613.32	7,440.38	172.94	44.023		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - SI VERT SHANNON-ROBERTS 2 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INCL-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,150.00	7,612.72	5,425.00	5,425.00	86.88	93.77	-12.22	-5,559.11	5,694.01	7,570.81	7,398.07	172.74	43.829		
9,200.00	7,622.09	5,425.00	5,425.00	86.72	93.77	-19.75	-5,559.11	5,694.01	7,526.86	7,354.34	172.52	43.629		
9,250.00	7,627.87	5,425.00	5,425.00	86.55	93.77	-28.83	-5,559.11	5,694.01	7,481.79	7,309.49	172.30	43.423		
9,303.98	7,630.00	5,425.00	5,425.00	86.35	93.77	-40.46	-5,559.11	5,694.01	7,432.25	7,260.19	172.06	43.195		
9,400.00	7,630.00	5,425.00	5,425.00	85.99	93.77	-40.46	-5,559.11	5,694.01	7,343.64	7,172.01	171.64	42.786		
9,500.00	7,630.00	5,425.00	5,425.00	85.62	93.77	-40.46	-5,559.11	5,694.01	7,251.57	7,080.39	171.18	42.362		
9,600.00	7,630.00	5,425.00	5,425.00	85.28	93.77	-40.46	-5,559.11	5,694.01	7,159.70	6,988.99	170.71	41.939		
9,700.00	7,630.00	5,425.00	5,425.00	84.95	93.77	-40.46	-5,559.11	5,694.01	7,068.06	6,897.82	170.24	41.519		
9,800.00	7,630.00	5,425.00	5,425.00	84.64	93.77	-40.46	-5,559.11	5,694.01	6,976.64	6,806.89	169.75	41.099		
9,900.00	7,630.00	5,425.00	5,425.00	84.34	93.77	-40.46	-5,559.11	5,694.01	6,885.47	6,716.22	169.25	40.682		
10,000.00	7,630.00	5,425.00	5,425.00	84.06	93.77	-40.46	-5,559.11	5,694.01	6,794.54	6,625.80	168.74	40.266		
10,100.00	7,630.00	5,425.00	5,425.00	83.80	93.77	-40.46	-5,559.11	5,694.01	6,703.87	6,535.66	168.22	39.852		
10,200.00	7,630.00	5,425.00	5,425.00	83.56	93.77	-40.46	-5,559.11	5,694.01	6,613.47	6,445.79	167.68	39.440		
10,300.00	7,630.00	5,425.00	5,425.00	83.33	93.77	-40.46	-5,559.11	5,694.01	6,523.36	6,356.22	167.14	39.030		
10,400.00	7,630.00	5,425.00	5,425.00	83.12	93.77	-40.46	-5,559.11	5,694.01	6,433.53	6,266.95	166.58	38.622		
10,500.00	7,630.00	5,425.00	5,425.00	82.92	93.77	-40.46	-5,559.11	5,694.01	6,344.01	6,178.00	166.00	38.216		
10,600.00	7,630.00	5,425.00	5,425.00	82.75	93.77	-40.46	-5,559.11	5,694.01	6,254.80	6,089.38	165.42	37.812		
10,700.00	7,630.00	5,425.00	5,425.00	82.59	93.77	-40.46	-5,559.11	5,694.01	6,165.93	6,001.11	164.82	37.411		
10,800.00	7,630.00	5,425.00	5,425.00	82.45	93.77	-40.46	-5,559.11	5,694.01	6,077.40	5,913.20	164.20	37.011		
10,900.00	7,630.00	5,425.00	5,425.00	82.33	93.77	-40.46	-5,559.11	5,694.01	5,989.23	5,825.66	163.58	36.614		
11,000.00	7,630.00	5,425.00	5,425.00	82.22	93.77	-40.46	-5,559.11	5,694.01	5,901.44	5,738.51	162.94	36.219		
11,100.00	7,630.00	5,425.00	5,425.00	82.14	93.77	-40.46	-5,559.11	5,694.01	5,814.05	5,651.77	162.28	35.827		
11,200.00	7,630.00	5,425.00	5,425.00	82.08	93.77	-40.46	-5,559.11	5,694.01	5,727.06	5,565.45	161.61	35.437		
11,300.00	7,630.00	5,425.00	5,425.00	82.04	93.77	-40.46	-5,559.11	5,694.01	5,640.51	5,479.58	160.93	35.049		
11,400.00	7,630.00	5,425.00	5,425.00	82.02	93.77	-40.46	-5,559.11	5,694.01	5,554.41	5,394.18	160.23	34.664		
11,500.00	7,630.00	5,425.00	5,425.00	82.03	93.77	-40.46	-5,559.11	5,694.01	5,468.79	5,309.26	159.53	34.282		
11,600.00	7,630.00	5,425.00	5,425.00	82.06	93.77	-40.46	-5,559.11	5,694.01	5,383.66	5,224.85	158.80	33.901		
11,700.00	7,630.00	5,425.00	5,425.00	82.12	93.77	-40.46	-5,559.11	5,694.01	5,299.04	5,140.98	158.07	33.524		
11,800.00	7,630.00	5,425.00	5,425.00	82.21	93.77	-40.46	-5,559.11	5,694.01	5,214.98	5,057.66	157.32	33.149		
11,900.00	7,630.00	5,425.00	5,425.00	82.33	93.77	-40.46	-5,559.11	5,694.01	5,131.48	4,974.92	156.56	32.776		
12,000.00	7,630.00	5,425.00	5,425.00	82.48	93.77	-40.46	-5,559.11	5,694.01	5,048.59	4,892.79	155.80	32.405		
12,100.00	7,630.00	5,425.00	5,425.00	82.66	93.77	-40.46	-5,559.11	5,694.01	4,966.32	4,811.30	155.02	32.037		
12,200.00	7,630.00	5,425.00	5,425.00	82.88	93.77	-40.46	-5,559.11	5,694.01	4,884.72	4,730.48	154.23	31.671		
12,300.00	7,630.00	5,425.00	5,425.00	83.14	93.77	-40.46	-5,559.11	5,694.01	4,803.81	4,650.37	153.44	31.307		
12,400.00	7,630.00	5,425.00	5,425.00	83.44	93.77	-40.46	-5,559.11	5,694.01	4,723.63	4,570.99	152.65	30.945		
12,500.00	7,630.00	5,425.00	5,425.00	83.79	93.77	-40.46	-5,559.11	5,694.01	4,644.23	4,492.38	151.85	30.584		
12,600.00	7,630.00	5,425.00	5,425.00	84.18	93.77	-40.46	-5,559.11	5,694.01	4,565.63	4,414.57	151.05	30.225		
12,700.00	7,630.00	5,425.00	5,425.00	84.61	93.77	-40.46	-5,559.11	5,694.01	4,487.88	4,337.62	150.26	29.867		
12,800.00	7,630.00	5,425.00	5,425.00	85.10	93.77	-40.46	-5,559.11	5,694.01	4,411.03	4,261.55	149.48	29.510		
12,900.00	7,630.00	5,425.00	5,425.00	85.64	93.77	-40.46	-5,559.11	5,694.01	4,335.13	4,186.42	148.70	29.153		
13,000.00	7,630.00	5,425.00	5,425.00	86.22	93.77	-40.46	-5,559.11	5,694.01	4,260.22	4,112.27	147.94	28.796		
13,100.00	7,630.00	5,425.00	5,425.00	86.86	93.77	-40.46	-5,559.11	5,694.01	4,186.35	4,039.15	147.21	28.439		
13,200.00	7,630.00	5,425.00	5,425.00	87.56	93.77	-40.46	-5,559.11	5,694.01	4,113.60	3,967.10	146.49	28.081		
13,300.00	7,630.00	5,425.00	5,425.00	88.30	93.77	-40.46	-5,559.11	5,694.01	4,042.00	3,896.19	145.81	27.721		
13,400.00	7,630.00	5,425.00	5,425.00	89.10	93.77	-40.46	-5,559.11	5,694.01	3,971.64	3,826.47	145.17	27.359		
13,500.00	7,630.00	5,425.00	5,425.00	89.94	93.77	-40.46	-5,559.11	5,694.01	3,902.57	3,758.00	144.57	26.994		
13,600.00	7,630.00	5,425.00	5,425.00	90.84	93.77	-40.46	-5,559.11	5,694.01	3,834.86	3,690.83	144.03	26.626		
13,700.00	7,630.00	5,425.00	5,425.00	91.78	93.77	-40.46	-5,559.11	5,694.01	3,768.59	3,625.05	143.54	26.254		
13,800.00	7,630.00	5,425.00	5,425.00	92.77	93.77	-40.46	-5,559.11	5,694.01	3,703.84	3,560.71	143.13	25.878		
13,900.00	7,630.00	5,425.00	5,425.00	93.79	93.77	-40.46	-5,559.11	5,694.01	3,640.68	3,497.89	142.79	25.497		
14,000.00	7,630.00	5,425.00	5,425.00	94.86	93.77	-40.46	-5,559.11	5,694.01	3,579.20	3,436.66	142.54	25.110		
14,100.00	7,630.00	5,425.00	5,425.00	95.97	93.77	-40.46	-5,559.11	5,694.01	3,519.48	3,377.10	142.38	24.719		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - SI VERT SHANNON-ROBERTS 2 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,630.00	5,425.00	5,425.00	97.11	93.77	-40.46	-5,559.11	5,694.01	3,461.63	3,319.31	142.33	24.322		
14,300.00	7,630.00	5,425.00	5,425.00	98.28	93.77	-40.46	-5,559.11	5,694.01	3,405.73	3,263.35	142.38	23.920		
14,400.00	7,630.00	5,425.00	5,425.00	99.48	93.77	-40.46	-5,559.11	5,694.01	3,351.88	3,209.33	142.55	23.513		
14,500.00	7,630.00	5,425.00	5,425.00	100.72	93.77	-40.46	-5,559.11	5,694.01	3,300.19	3,157.34	142.85	23.102		
14,600.00	7,630.00	5,425.00	5,425.00	101.97	93.77	-40.46	-5,559.11	5,694.01	3,250.75	3,107.47	143.28	22.688		
14,700.00	7,630.00	5,425.00	5,425.00	103.26	93.77	-40.46	-5,559.11	5,694.01	3,203.67	3,059.82	143.84	22.272		
14,800.00	7,630.00	5,425.00	5,425.00	104.56	93.77	-40.46	-5,559.11	5,694.01	3,159.05	3,014.51	144.55	21.855		
14,900.00	7,630.00	5,425.00	5,425.00	105.89	93.77	-40.46	-5,559.11	5,694.01	3,117.01	2,971.61	145.39	21.439		
15,000.00	7,630.00	5,425.00	5,425.00	107.24	93.77	-40.46	-5,559.11	5,694.01	3,077.64	2,931.26	146.38	21.025		
15,100.00	7,630.00	5,425.00	5,425.00	108.60	93.77	-40.46	-5,559.11	5,694.01	3,041.05	2,893.53	147.51	20.615		
15,200.00	7,630.00	5,425.00	5,425.00	109.98	93.77	-40.46	-5,559.11	5,694.01	3,007.34	2,858.55	148.79	20.212		
15,300.00	7,630.00	5,425.00	5,425.00	111.38	93.77	-40.46	-5,559.11	5,694.01	2,976.61	2,826.40	150.21	19.816		
15,400.00	7,630.00	5,425.00	5,425.00	112.79	93.77	-40.46	-5,559.11	5,694.01	2,948.95	2,797.19	151.76	19.431		
15,500.00	7,630.00	5,425.00	5,425.00	114.22	93.77	-40.46	-5,559.11	5,694.01	2,924.46	2,771.01	153.45	19.058		
15,600.00	7,630.00	5,425.00	5,425.00	115.66	93.77	-40.46	-5,559.11	5,694.01	2,903.20	2,747.93	155.27	18.698		
15,700.00	7,630.00	5,425.00	5,425.00	117.11	93.77	-40.46	-5,559.11	5,694.01	2,885.25	2,728.05	157.20	18.354		
15,800.00	7,630.00	5,425.00	5,425.00	118.57	93.77	-40.46	-5,559.11	5,694.01	2,870.68	2,711.43	159.25	18.026		
15,900.00	7,630.00	5,425.00	5,425.00	120.05	93.77	-40.46	-5,559.11	5,694.01	2,859.53	2,698.14	161.40	17.717		
16,000.00	7,630.00	5,425.00	5,425.00	121.53	93.77	-40.46	-5,559.11	5,694.01	2,851.85	2,688.22	163.64	17.428		
16,100.00	7,630.00	5,425.00	5,425.00	123.03	93.77	-40.46	-5,559.11	5,694.01	2,847.66	2,681.71	165.95	17.160		
16,169.40	7,630.00	5,425.00	5,425.00	124.07	93.77	-40.46	-5,559.11	5,694.01	2,846.82	2,679.22	167.60	16.986 CC		
16,200.00	7,630.00	5,425.00	5,425.00	124.53	93.77	-40.46	-5,559.11	5,694.01	2,846.98	2,678.65	168.33	16.913 ES		
16,300.00	7,630.00	5,425.00	5,425.00	126.04	93.77	-40.46	-5,559.11	5,694.01	2,849.81	2,679.05	170.76	16.689		
16,400.00	7,630.00	5,425.00	5,425.00	127.56	93.77	-40.46	-5,559.11	5,694.01	2,856.14	2,682.91	173.23	16.488		
16,500.00	7,630.00	5,425.00	5,425.00	129.09	93.77	-40.46	-5,559.11	5,694.01	2,865.95	2,690.24	175.71	16.311		
16,600.00	7,630.00	5,425.00	5,425.00	130.62	93.77	-40.46	-5,559.11	5,694.01	2,879.20	2,701.00	178.20	16.157		
16,700.00	7,630.00	5,425.00	5,425.00	132.16	93.77	-40.46	-5,559.11	5,694.01	2,895.84	2,715.17	180.67	16.028		
16,800.00	7,630.00	5,425.00	5,425.00	133.71	93.77	-40.46	-5,559.11	5,694.01	2,915.82	2,732.70	183.12	15.923		
16,900.00	7,630.00	5,425.00	5,425.00	135.27	93.77	-40.46	-5,559.11	5,694.01	2,939.07	2,753.55	185.53	15.842		
17,000.00	7,630.00	5,425.00	5,425.00	136.83	93.77	-40.46	-5,559.11	5,694.01	2,965.51	2,777.63	187.88	15.784		
17,100.00	7,630.00	5,425.00	5,425.00	138.39	93.77	-40.46	-5,559.11	5,694.01	2,995.06	2,804.89	190.17	15.750		
17,200.00	7,630.00	5,425.00	5,425.00	139.97	93.77	-40.46	-5,559.11	5,694.01	3,027.62	2,835.24	192.38	15.738 SF		
17,300.00	7,630.00	5,425.00	5,425.00	141.54	93.77	-40.46	-5,559.11	5,694.01	3,063.11	2,868.60	194.51	15.748		
17,400.00	7,630.00	5,425.00	5,425.00	143.12	93.77	-40.46	-5,559.11	5,694.01	3,101.41	2,904.86	196.55	15.779		
17,500.00	7,630.00	5,425.00	5,425.00	144.71	93.77	-40.46	-5,559.11	5,694.01	3,142.43	2,943.93	198.50	15.831		
17,600.00	7,630.00	5,425.00	5,425.00	146.30	93.77	-40.46	-5,559.11	5,694.01	3,186.06	2,985.71	200.35	15.902		
17,700.00	7,630.00	5,425.00	5,425.00	147.90	93.77	-40.46	-5,559.11	5,694.01	3,232.20	3,030.10	202.10	15.993		
17,800.00	7,630.00	5,425.00	5,425.00	149.50	93.77	-40.46	-5,559.11	5,694.01	3,280.74	3,076.98	203.75	16.101		
17,900.00	7,630.00	5,425.00	5,425.00	151.10	93.77	-40.46	-5,559.11	5,694.01	3,331.57	3,126.26	205.31	16.227		
18,000.00	7,630.00	5,425.00	5,425.00	152.71	93.77	-40.46	-5,559.11	5,694.01	3,384.59	3,177.83	206.76	16.370		
18,100.00	7,630.00	5,425.00	5,425.00	154.32	93.77	-40.46	-5,559.11	5,694.01	3,439.71	3,231.59	208.12	16.528		
18,200.00	7,630.00	5,425.00	5,425.00	155.94	93.77	-40.46	-5,559.11	5,694.01	3,496.82	3,287.44	209.38	16.701		
18,300.00	7,630.00	5,425.00	5,425.00	157.56	93.77	-40.46	-5,559.11	5,694.01	3,555.82	3,345.26	210.55	16.888		
18,400.00	7,630.00	5,425.00	5,425.00	159.18	93.77	-40.46	-5,559.11	5,694.01	3,616.62	3,404.98	211.64	17.088		
18,500.00	7,630.00	5,425.00	5,425.00	160.80	93.77	-40.46	-5,559.11	5,694.01	3,679.14	3,466.49	212.65	17.302		
18,600.00	7,630.00	5,425.00	5,425.00	162.43	93.77	-40.46	-5,559.11	5,694.01	3,743.29	3,529.71	213.57	17.527		
18,700.00	7,630.00	5,425.00	5,425.00	164.06	93.77	-40.46	-5,559.11	5,694.01	3,808.98	3,594.55	214.43	17.764		
18,800.00	7,630.00	5,425.00	5,425.00	165.70	93.77	-40.46	-5,559.11	5,694.01	3,876.14	3,660.93	215.21	18.011		
18,900.00	7,630.00	5,425.00	5,425.00	167.33	93.77	-40.46	-5,559.11	5,694.01	3,944.69	3,728.76	215.93	18.269		
19,000.00	7,630.00	5,425.00	5,425.00	168.97	93.77	-40.46	-5,559.11	5,694.01	4,014.56	3,797.97	216.58	18.536		
19,021.79	7,630.00	5,425.00	5,425.00	169.33	93.77	-40.46	-5,559.11	5,694.01	4,029.95	3,813.23	216.72	18.595		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - SI VERT SHANNON-ROBERTS 3 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	134.09	-4,237.02	4,374.39	6,090.06					
100.00	100.00	65.00	65.00	0.13	0.51	134.09	-4,237.02	4,374.39	6,089.96	6,089.31	0.64	9,442.725		
200.00	200.00	165.00	165.00	0.49	1.92	134.09	-4,237.02	4,374.39	6,089.96	6,087.54	2.41	2,524.061		
300.00	300.00	265.00	265.00	0.85	3.67	134.09	-4,237.02	4,374.39	6,089.96	6,085.44	4.52	1,348.361		
400.00	400.00	365.00	365.00	1.21	5.41	134.09	-4,237.02	4,374.39	6,089.96	6,083.34	6.62	919.883		
500.00	500.00	465.00	465.00	1.57	7.16	134.09	-4,237.02	4,374.39	6,089.96	6,081.23	8.72	698.056		
600.00	600.00	565.00	565.00	1.93	8.90	134.09	-4,237.02	4,374.39	6,089.96	6,079.13	10.83	562.429		
700.00	700.00	665.00	665.00	2.29	10.65	134.09	-4,237.02	4,374.39	6,089.96	6,077.03	12.93	470.930		
800.00	799.98	764.98	764.98	2.64	12.39	72.33	-4,237.02	4,374.39	6,089.43	6,074.40	15.03	405.129		
900.00	899.84	864.84	864.84	2.99	14.13	72.40	-4,237.02	4,374.39	6,087.84	6,070.71	17.13	355.465		
1,000.00	999.45	964.45	964.45	3.35	15.87	72.53	-4,237.02	4,374.39	6,085.20	6,065.98	19.22	316.542		
1,100.00	1,098.70	1,063.70	1,063.70	3.73	17.61	72.71	-4,237.02	4,374.39	6,081.54	6,060.21	21.33	285.176		
1,200.00	1,197.47	1,162.47	1,162.47	4.11	19.33	72.94	-4,237.02	4,374.39	6,076.87	6,053.43	23.43	259.321		
1,300.00	1,295.62	1,260.62	1,260.62	4.53	21.04	73.22	-4,237.02	4,374.39	6,071.22	6,045.66	25.55	237.601		
1,400.00	1,393.06	1,358.06	1,358.06	4.97	22.74	73.54	-4,237.02	4,374.39	6,064.63	6,036.94	27.68	219.064		
1,500.00	1,489.64	1,454.64	1,454.64	5.44	24.43	73.91	-4,237.02	4,374.39	6,057.14	6,027.31	29.83	203.029		
1,600.00	1,585.27	1,550.27	1,550.27	5.95	26.10	74.33	-4,237.02	4,374.39	6,048.80	6,016.80	32.00	188.997		
1,700.00	1,679.82	1,644.82	1,644.82	6.51	27.75	74.79	-4,237.02	4,374.39	6,039.67	6,005.47	34.20	176.598		
1,800.00	1,773.17	1,738.17	1,738.17	7.13	29.38	75.29	-4,237.02	4,374.39	6,029.81	5,993.39	36.42	165.548		
1,900.00	1,865.21	1,830.21	1,830.21	7.79	30.98	75.83	-4,237.02	4,374.39	6,019.28	5,980.61	38.68	155.628		
2,000.00	1,955.84	1,920.84	1,920.84	8.51	32.57	76.40	-4,237.02	4,374.39	6,008.16	5,967.20	40.96	146.668		
2,100.00	2,044.94	2,009.94	2,009.94	9.30	34.12	77.01	-4,237.02	4,374.39	5,996.52	5,953.24	43.29	138.531		
2,200.00	2,132.39	2,102.61	2,097.39	10.15	35.74	77.64	-4,237.02	4,374.39	5,984.45	5,938.71	45.74	130.847		
2,300.00	2,218.11	2,183.11	2,183.11	11.07	37.14	78.30	-4,237.02	4,374.39	5,972.03	5,923.98	48.04	124.310		
2,400.00	2,301.97	2,266.97	2,266.97	12.06	38.61	78.99	-4,237.02	4,374.39	5,959.35	5,908.87	50.48	118.062		
2,500.00	2,383.88	2,348.88	2,348.88	13.11	40.04	79.69	-4,237.02	4,374.39	5,946.50	5,893.55	52.95	112.304		
2,512.74	2,394.17	2,359.17	2,359.17	13.25	40.22	79.78	-4,237.02	4,374.39	5,944.86	5,891.59	53.27	111.604		
2,600.00	2,464.54	2,429.54	2,429.54	14.22	41.44	80.18	-4,237.02	4,374.39	5,933.81	5,878.36	55.46	107.001		
2,700.00	2,545.18	2,510.18	2,510.18	15.35	42.85	80.64	-4,237.02	4,374.39	5,921.69	5,863.70	57.99	102.123		
2,800.00	2,625.82	2,609.18	2,590.82	16.50	44.58	81.10	-4,237.02	4,374.39	5,910.12	5,849.27	60.85	97.119		
2,900.00	2,706.45	2,671.45	2,671.45	17.65	45.67	81.56	-4,237.02	4,374.39	5,899.13	5,836.03	63.10	93.492		
3,000.00	2,787.09	2,752.09	2,752.09	18.82	47.07	82.02	-4,237.02	4,374.39	5,888.71	5,823.04	65.67	89.665		
3,100.00	2,867.73	2,832.73	2,832.73	19.99	48.48	82.48	-4,237.02	4,374.39	5,878.87	5,810.61	68.26	86.122		
3,200.00	2,948.37	2,913.37	2,913.37	21.17	49.89	82.94	-4,237.02	4,374.39	5,869.61	5,798.75	70.86	82.835		
3,300.00	3,029.01	3,005.99	2,994.01	22.36	51.50	83.41	-4,237.02	4,374.39	5,860.93	5,787.26	73.67	79.553		
3,400.00	3,109.65	3,074.65	3,074.65	23.55	52.70	83.87	-4,237.02	4,374.39	5,852.83	5,776.76	76.08	76.935		
3,500.00	3,190.29	3,155.29	3,155.29	24.74	54.11	84.34	-4,237.02	4,374.39	5,845.33	5,766.63	78.69	74.281		
3,600.00	3,270.93	3,235.93	3,235.93	25.94	55.52	84.81	-4,237.02	4,374.39	5,838.41	5,757.09	81.31	71.801		
3,700.00	3,351.57	3,316.57	3,316.57	27.14	56.93	85.27	-4,237.02	4,374.39	5,832.08	5,748.14	83.94	69.480		
3,800.00	3,432.21	3,402.79	3,397.21	28.35	58.43	85.74	-4,237.02	4,374.39	5,826.35	5,739.68	86.67	67.228		
3,900.00	3,512.85	3,477.85	3,477.85	29.56	59.74	86.21	-4,237.02	4,374.39	5,821.21	5,732.01	89.20	65.261		
4,000.00	3,593.49	3,558.49	3,558.49	30.76	61.15	86.68	-4,237.02	4,374.39	5,816.66	5,724.83	91.83	63.341		
4,100.00	3,674.13	3,639.13	3,639.13	31.97	62.55	87.15	-4,237.02	4,374.39	5,812.72	5,718.26	94.47	61.533		
4,200.00	3,754.77	3,719.77	3,719.77	33.19	63.96	87.62	-4,237.02	4,374.39	5,809.38	5,712.28	97.10	59.829		
4,300.00	3,835.41	3,800.41	3,800.41	34.40	65.37	88.09	-4,237.02	4,374.39	5,806.63	5,706.90	99.73	58.221		
4,400.00	3,916.05	3,881.05	3,881.05	35.62	66.78	88.56	-4,237.02	4,374.39	5,804.49	5,702.12	102.37	56.702		
4,500.00	3,996.69	3,961.69	3,961.69	36.83	68.18	89.03	-4,237.02	4,374.39	5,802.95	5,697.95	105.00	55.265		
4,600.00	4,077.33	4,042.33	4,042.33	38.05	69.59	89.50	-4,237.02	4,374.39	5,802.01	5,694.37	107.64	53.904		
4,700.00	4,157.96	4,122.96	4,122.96	39.27	71.00	89.97	-4,237.02	4,374.39	5,801.67	5,691.41	110.27	52.615		
4,705.75	4,162.60	4,127.60	4,127.60	39.34	71.08	90.00	-4,237.02	4,374.39	5,801.67	5,691.26	110.42	52.543		
4,800.00	4,238.60	4,203.60	4,203.60	40.49	72.41	90.44	-4,237.02	4,374.39	5,801.94	5,689.05	112.89	51.393		
4,900.00	4,319.24	4,284.24	4,284.24	41.71	73.81	90.91	-4,237.02	4,374.39	5,802.81	5,687.29	115.52	50.232		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - SI VERT SHANNON-ROBERTS 3 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	4,399.88	4,364.88	4,364.88	42.93	75.22	91.39	-4,237.02	4,374.39	5,804.28	5,686.14	118.14	49.129		
5,100.00	4,480.52	4,445.52	4,445.52	44.15	76.63	91.86	-4,237.02	4,374.39	5,806.36	5,685.59	120.76	48.081		
5,200.00	4,561.16	4,526.16	4,526.16	45.37	78.04	92.33	-4,237.02	4,374.39	5,809.03	5,685.65	123.38	47.083		
5,300.00	4,641.80	4,606.80	4,606.80	46.59	79.44	92.80	-4,237.02	4,374.39	5,812.31	5,686.32	125.99	46.133		
5,400.00	4,722.44	4,687.44	4,687.44	47.82	80.85	93.27	-4,237.02	4,374.39	5,816.18	5,687.58	128.60	45.228		
5,500.00	4,803.08	4,768.08	4,768.08	49.04	82.26	93.74	-4,237.02	4,374.39	5,820.65	5,689.46	131.20	44.365		
5,600.00	4,883.72	4,848.72	4,848.72	50.27	83.67	94.20	-4,237.02	4,374.39	5,825.73	5,691.93	133.80	43.542		
5,700.00	4,964.36	4,929.36	4,929.36	51.49	85.07	94.67	-4,237.02	4,374.39	5,831.39	5,695.00	136.39	42.756		
5,800.00	5,045.00	5,010.00	5,010.00	52.71	86.48	95.14	-4,237.02	4,374.39	5,837.65	5,698.68	138.97	42.005		
5,900.00	5,125.64	5,109.36	5,109.36	53.94	88.22	95.61	-4,237.02	4,374.39	5,844.50	5,702.62	141.88	41.193		
6,000.00	5,206.28	5,171.28	5,171.28	55.17	89.30	96.07	-4,237.02	4,374.39	5,851.94	5,707.81	144.13	40.602		
6,100.00	5,286.92	5,251.92	5,251.92	56.39	90.70	96.54	-4,237.02	4,374.39	5,859.97	5,713.27	146.70	39.947		
6,200.00	5,367.56	5,332.56	5,332.56	57.62	92.11	97.00	-4,237.02	4,374.39	5,868.58	5,719.33	149.26	39.319		
6,300.00	5,448.20	5,413.20	5,413.20	58.84	93.52	97.47	-4,237.02	4,374.39	5,877.78	5,725.97	151.81	38.718		
6,400.00	5,528.84	5,450.00	5,450.00	60.07	94.16	97.68	-4,237.02	4,374.39	5,887.72	5,734.14	153.58	38.338		
6,500.00	5,609.47	5,450.00	5,450.00	61.30	94.16	97.68	-4,237.02	4,374.39	5,899.22	5,744.56	154.66	38.143		
6,600.00	5,690.11	5,450.00	5,450.00	62.53	94.16	97.68	-4,237.02	4,374.39	5,912.39	5,756.69	155.70	37.972		
6,700.00	5,770.75	5,450.00	5,450.00	63.75	94.16	97.68	-4,237.02	4,374.39	5,927.22	5,770.51	156.71	37.822		
6,800.00	5,851.39	5,450.00	5,450.00	64.98	94.16	97.68	-4,237.02	4,374.39	5,943.70	5,786.01	157.68	37.694		
6,900.00	5,932.03	5,450.00	5,450.00	66.21	94.16	97.68	-4,237.02	4,374.39	5,961.80	5,803.19	158.61	37.588		
7,000.00	6,012.67	5,450.00	5,450.00	67.44	94.16	97.68	-4,237.02	4,374.39	5,981.53	5,822.02	159.50	37.501		
7,100.00	6,093.31	5,450.00	5,450.00	68.66	94.16	97.68	-4,237.02	4,374.39	6,002.85	5,842.50	160.36	37.434		
7,200.00	6,173.95	5,450.00	5,450.00	69.89	94.16	97.68	-4,237.02	4,374.39	6,025.76	5,864.59	161.17	37.387		
7,300.00	6,254.59	5,450.00	5,450.00	71.12	94.16	97.68	-4,237.02	4,374.39	6,050.24	5,888.29	161.95	37.359		
7,400.00	6,335.23	5,450.00	5,450.00	72.35	94.16	97.68	-4,237.02	4,374.39	6,076.26	5,913.57	162.69	37.349		
7,500.00	6,415.87	5,450.00	5,450.00	73.58	94.16	97.68	-4,237.02	4,374.39	6,103.81	5,940.42	163.39	37.357		
7,600.00	6,496.51	5,450.00	5,450.00	74.81	94.16	97.68	-4,237.02	4,374.39	6,132.87	5,968.82	164.05	37.383		
7,700.00	6,577.15	5,450.00	5,450.00	76.04	94.16	97.68	-4,237.02	4,374.39	6,163.42	5,998.73	164.68	37.426		
7,800.00	6,657.79	5,450.00	5,450.00	77.27	94.16	97.68	-4,237.02	4,374.39	6,195.42	6,030.15	165.28	37.485		
7,900.00	6,738.43	5,450.00	5,450.00	78.50	94.16	97.68	-4,237.02	4,374.39	6,228.87	6,063.04	165.83	37.561		
8,000.00	6,819.07	5,450.00	5,450.00	79.73	94.16	97.68	-4,237.02	4,374.39	6,263.74	6,097.38	166.36	37.652		
8,100.00	6,899.71	5,450.00	5,450.00	80.96	94.16	97.68	-4,237.02	4,374.39	6,300.00	6,133.15	166.85	37.759		
8,200.00	6,980.35	5,450.00	5,450.00	82.18	94.16	97.68	-4,237.02	4,374.39	6,337.63	6,170.33	167.30	37.881		
8,240.58	7,013.07	5,450.00	5,450.00	82.68	94.16	97.68	-4,237.02	4,374.39	6,353.29	6,185.81	167.48	37.935		
8,250.00	7,020.68	5,450.00	5,450.00	82.80	94.16	96.59	-4,237.02	4,374.39	6,356.88	6,189.36	167.52	37.947		
8,300.00	7,061.63	5,450.00	5,450.00	83.40	94.16	90.33	-4,237.02	4,374.39	6,373.85	6,206.13	167.72	38.002		
8,350.00	7,103.23	5,450.00	5,450.00	83.97	94.16	83.36	-4,237.02	4,374.39	6,387.16	6,219.25	167.91	38.040		
8,400.00	7,145.18	5,450.00	5,450.00	84.51	94.16	75.93	-4,237.02	4,374.39	6,396.74	6,228.68	168.07	38.061		
8,450.00	7,187.16	5,450.00	5,450.00	85.01	94.16	68.37	-4,237.02	4,374.39	6,402.53	6,234.34	168.20	38.066		
8,500.00	7,228.84	5,450.00	5,450.00	85.46	94.16	61.01	-4,237.02	4,374.39	6,404.51	6,236.21	168.30	38.055		
8,550.00	7,269.91	5,450.00	5,450.00	85.86	94.16	54.12	-4,237.02	4,374.39	6,402.65	6,234.29	168.36	38.029		
8,600.00	7,310.05	5,450.00	5,450.00	86.20	94.16	47.84	-4,237.02	4,374.39	6,396.97	6,228.58	168.39	37.989		
8,650.00	7,348.97	5,450.00	5,450.00	86.50	94.16	42.23	-4,237.02	4,374.39	6,387.50	6,219.12	168.38	37.935		
8,700.00	7,386.36	5,450.00	5,450.00	86.74	94.16	37.27	-4,237.02	4,374.39	6,374.29	6,205.96	168.33	37.867		
8,750.00	7,421.94	5,450.00	5,450.00	86.93	94.16	32.88	-4,237.02	4,374.39	6,357.44	6,189.18	168.25	37.785		
8,800.00	7,455.44	5,450.00	5,450.00	87.07	94.16	28.96	-4,237.02	4,374.39	6,337.02	6,168.89	168.14	37.690		
8,850.00	7,486.61	5,450.00	5,450.00	87.16	94.16	25.40	-4,237.02	4,374.39	6,313.17	6,145.18	167.99	37.581		
8,900.00	7,515.20	5,450.00	5,450.00	87.20	94.16	22.12	-4,237.02	4,374.39	6,286.04	6,118.22	167.82	37.458		
8,950.00	7,541.00	5,450.00	5,450.00	87.21	94.16	18.98	-4,237.02	4,374.39	6,255.77	6,088.15	167.62	37.321		
9,000.00	7,563.81	5,450.00	5,450.00	87.17	94.16	15.89	-4,237.02	4,374.39	6,222.57	6,055.17	167.40	37.171		
9,050.00	7,583.47	5,450.00	5,450.00	87.10	94.16	12.70	-4,237.02	4,374.39	6,186.64	6,019.47	167.17	37.008		
9,100.00	7,599.81	5,450.00	5,450.00	87.00	94.16	9.26	-4,237.02	4,374.39	6,148.20	5,981.27	166.93	36.832		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - SI VERT SHANNON-ROBERTS 3 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INCL-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,150.00	7,612.72	5,450.00	5,450.00	86.88	94.16	5.34	-4,237.02	4,374.39	6,107.51	5,940.83	166.68	36.642		
9,200.00	7,622.09	5,450.00	5,450.00	86.72	94.16	0.65	-4,237.02	4,374.39	6,064.83	5,898.40	166.43	36.440		
9,250.00	7,627.87	5,450.00	5,450.00	86.55	94.16	-5.26	-4,237.02	4,374.39	6,020.45	5,854.26	166.19	36.226		
9,303.98	7,630.00	5,450.00	5,450.00	86.35	94.16	-13.71	-4,237.02	4,374.39	5,970.98	5,805.04	165.94	35.983		
9,400.00	7,630.00	5,450.00	5,450.00	85.99	94.16	-13.71	-4,237.02	4,374.39	5,881.87	5,716.37	165.50	35.540		
9,500.00	7,630.00	5,450.00	5,450.00	85.62	94.16	-13.71	-4,237.02	4,374.39	5,789.31	5,624.28	165.03	35.081		
9,600.00	7,630.00	5,450.00	5,450.00	85.28	94.16	-13.71	-4,237.02	4,374.39	5,696.99	5,532.46	164.53	34.625		
9,700.00	7,630.00	5,450.00	5,450.00	84.95	94.16	-13.71	-4,237.02	4,374.39	5,604.94	5,440.92	164.02	34.172		
9,800.00	7,630.00	5,450.00	5,450.00	84.64	94.16	-13.71	-4,237.02	4,374.39	5,513.17	5,349.68	163.49	33.721		
9,900.00	7,630.00	5,450.00	5,450.00	84.34	94.16	-13.71	-4,237.02	4,374.39	5,421.68	5,258.75	162.94	33.274		
10,000.00	7,630.00	5,450.00	5,450.00	84.06	94.16	-13.71	-4,237.02	4,374.39	5,330.51	5,168.14	162.36	32.831		
10,100.00	7,630.00	5,450.00	5,450.00	83.80	94.16	-13.71	-4,237.02	4,374.39	5,239.65	5,077.89	161.77	32.390		
10,200.00	7,630.00	5,450.00	5,450.00	83.56	94.16	-13.71	-4,237.02	4,374.39	5,149.14	4,987.99	161.14	31.954		
10,300.00	7,630.00	5,450.00	5,450.00	83.33	94.16	-13.71	-4,237.02	4,374.39	5,058.98	4,898.49	160.49	31.521		
10,400.00	7,630.00	5,450.00	5,450.00	83.12	94.16	-13.71	-4,237.02	4,374.39	4,969.20	4,809.38	159.82	31.093		
10,500.00	7,630.00	5,450.00	5,450.00	82.92	94.16	-13.71	-4,237.02	4,374.39	4,879.81	4,720.70	159.11	30.669		
10,600.00	7,630.00	5,450.00	5,450.00	82.75	94.16	-13.71	-4,237.02	4,374.39	4,790.85	4,632.47	158.38	30.250		
10,700.00	7,630.00	5,450.00	5,450.00	82.59	94.16	-13.71	-4,237.02	4,374.39	4,702.33	4,544.72	157.61	29.835		
10,800.00	7,630.00	5,450.00	5,450.00	82.45	94.16	-13.71	-4,237.02	4,374.39	4,614.27	4,457.47	156.81	29.426		
10,900.00	7,630.00	5,450.00	5,450.00	82.33	94.16	-13.71	-4,237.02	4,374.39	4,526.72	4,370.75	155.97	29.023		
11,000.00	7,630.00	5,450.00	5,450.00	82.22	94.16	-13.71	-4,237.02	4,374.39	4,439.69	4,284.59	155.10	28.626		
11,100.00	7,630.00	5,450.00	5,450.00	82.14	94.16	-13.71	-4,237.02	4,374.39	4,353.21	4,199.03	154.18	28.234		
11,200.00	7,630.00	5,450.00	5,450.00	82.08	94.16	-13.71	-4,237.02	4,374.39	4,267.33	4,114.11	153.22	27.850		
11,300.00	7,630.00	5,450.00	5,450.00	82.04	94.16	-13.71	-4,237.02	4,374.39	4,182.08	4,029.85	152.23	27.473		
11,400.00	7,630.00	5,450.00	5,450.00	82.02	94.16	-13.71	-4,237.02	4,374.39	4,097.49	3,946.31	151.18	27.103		
11,500.00	7,630.00	5,450.00	5,450.00	82.03	94.16	-13.71	-4,237.02	4,374.39	4,013.61	3,863.53	150.09	26.742		
11,600.00	7,630.00	5,450.00	5,450.00	82.06	94.16	-13.71	-4,237.02	4,374.39	3,930.49	3,781.55	148.94	26.389		
11,700.00	7,630.00	5,450.00	5,450.00	82.12	94.16	-13.71	-4,237.02	4,374.39	3,848.17	3,700.42	147.75	26.046		
11,800.00	7,630.00	5,450.00	5,450.00	82.21	94.16	-13.71	-4,237.02	4,374.39	3,766.70	3,620.21	146.49	25.712		
11,900.00	7,630.00	5,450.00	5,450.00	82.33	94.16	-13.71	-4,237.02	4,374.39	3,686.15	3,540.96	145.18	25.389		
12,000.00	7,630.00	5,450.00	5,450.00	82.48	94.16	-13.71	-4,237.02	4,374.39	3,606.57	3,462.75	143.82	25.078		
12,100.00	7,630.00	5,450.00	5,450.00	82.66	94.16	-13.71	-4,237.02	4,374.39	3,528.03	3,385.64	142.39	24.778		
12,200.00	7,630.00	5,450.00	5,450.00	82.88	94.16	-13.71	-4,237.02	4,374.39	3,450.60	3,309.71	140.89	24.491		
12,300.00	7,630.00	5,450.00	5,450.00	83.14	94.16	-13.71	-4,237.02	4,374.39	3,374.36	3,235.02	139.34	24.217		
12,400.00	7,630.00	5,450.00	5,450.00	83.44	94.16	-13.71	-4,237.02	4,374.39	3,299.38	3,161.67	137.72	23.958		
12,500.00	7,630.00	5,450.00	5,450.00	83.79	94.16	-13.71	-4,237.02	4,374.39	3,225.77	3,089.74	136.03	23.714		
12,600.00	7,630.00	5,450.00	5,450.00	84.18	94.16	-13.71	-4,237.02	4,374.39	3,153.61	3,019.33	134.28	23.486		
12,700.00	7,630.00	5,450.00	5,450.00	84.61	94.16	-13.71	-4,237.02	4,374.39	3,083.00	2,950.54	132.46	23.275		
12,800.00	7,630.00	5,450.00	5,450.00	85.10	94.16	-13.71	-4,237.02	4,374.39	3,014.06	2,883.47	130.58	23.081		
12,900.00	7,630.00	5,450.00	5,450.00	85.64	94.16	-13.71	-4,237.02	4,374.39	2,946.90	2,818.25	128.65	22.907		
13,000.00	7,630.00	5,450.00	5,450.00	86.22	94.16	-13.71	-4,237.02	4,374.39	2,881.64	2,754.98	126.66	22.751		
13,100.00	7,630.00	5,450.00	5,450.00	86.86	94.16	-13.71	-4,237.02	4,374.39	2,818.42	2,693.80	124.62	22.615		
13,200.00	7,630.00	5,450.00	5,450.00	87.56	94.16	-13.71	-4,237.02	4,374.39	2,757.38	2,634.83	122.55	22.500		
13,300.00	7,630.00	5,450.00	5,450.00	88.30	94.16	-13.71	-4,237.02	4,374.39	2,698.67	2,578.22	120.45	22.405		
13,400.00	7,630.00	5,450.00	5,450.00	89.10	94.16	-13.71	-4,237.02	4,374.39	2,642.43	2,524.10	118.33	22.330		
13,500.00	7,630.00	5,450.00	5,450.00	89.94	94.16	-13.71	-4,237.02	4,374.39	2,588.84	2,472.62	116.22	22.276		
13,600.00	7,630.00	5,450.00	5,450.00	90.84	94.16	-13.71	-4,237.02	4,374.39	2,538.06	2,423.94	114.12	22.240		
13,700.00	7,630.00	5,450.00	5,450.00	91.78	94.16	-13.71	-4,237.02	4,374.39	2,490.26	2,378.20	112.06	22.222		
13,800.00	7,630.00	5,450.00	5,450.00	92.77	94.16	-13.71	-4,237.02	4,374.39	2,445.62	2,335.56	110.06	22.220		
13,900.00	7,630.00	5,450.00	5,450.00	93.79	94.16	-13.71	-4,237.02	4,374.39	2,404.31	2,296.15	108.16	22.230		
14,000.00	7,630.00	5,450.00	5,450.00	94.86	94.16	-13.71	-4,237.02	4,374.39	2,366.51	2,260.14	106.37	22.248		
14,100.00	7,630.00	5,450.00	5,450.00	95.97	94.16	-13.71	-4,237.02	4,374.39	2,332.38	2,227.64	104.74	22.267		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - SI VERT SHANNON-ROBERTS 3 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,630.00	5,450.00	5,450.00	97.11	94.16	-13.71	-4,237.02	4,374.39	2,302.10	2,198.78	103.32	22.281		
14,300.00	7,630.00	5,450.00	5,450.00	98.28	94.16	-13.71	-4,237.02	4,374.39	2,275.81	2,173.66	102.15	22.279		
14,400.00	7,630.00	5,450.00	5,450.00	99.48	94.16	-13.71	-4,237.02	4,374.39	2,253.66	2,152.36	101.30	22.248		
14,500.00	7,630.00	5,450.00	5,450.00	100.72	94.16	-13.71	-4,237.02	4,374.39	2,235.76	2,134.92	100.83	22.173		
14,600.00	7,630.00	5,450.00	5,450.00	101.97	94.16	-13.71	-4,237.02	4,374.39	2,222.22	2,121.38	100.84	22.037		
14,700.00	7,630.00	5,450.00	5,450.00	103.26	94.16	-13.71	-4,237.02	4,374.39	2,213.12	2,111.73	101.40	21.826		
14,800.00	7,630.00	5,450.00	5,450.00	104.56	94.16	-13.71	-4,237.02	4,374.39	2,208.52	2,105.96	102.56	21.534		
14,851.74	7,630.00	5,450.00	5,450.00	105.25	94.16	-13.71	-4,237.02	4,374.39	2,207.92	2,104.51	103.41	21.352 CC		
14,900.00	7,630.00	5,450.00	5,450.00	105.89	94.16	-13.71	-4,237.02	4,374.39	2,208.44	2,104.09	104.35	21.163 ES		
15,000.00	7,630.00	5,450.00	5,450.00	107.24	94.16	-13.71	-4,237.02	4,374.39	2,212.89	2,106.13	106.75	20.729		
15,100.00	7,630.00	5,450.00	5,450.00	108.60	94.16	-13.71	-4,237.02	4,374.39	2,221.83	2,112.14	109.69	20.255		
15,200.00	7,630.00	5,450.00	5,450.00	109.98	94.16	-13.71	-4,237.02	4,374.39	2,235.21	2,122.15	113.07	19.769		
15,300.00	7,630.00	5,450.00	5,450.00	111.38	94.16	-13.71	-4,237.02	4,374.39	2,252.96	2,136.21	116.75	19.297		
15,400.00	7,630.00	5,450.00	5,450.00	112.79	94.16	-13.71	-4,237.02	4,374.39	2,274.97	2,154.33	120.64	18.857		
15,500.00	7,630.00	5,450.00	5,450.00	114.22	94.16	-13.71	-4,237.02	4,374.39	2,301.11	2,176.48	124.63	18.463		
15,600.00	7,630.00	5,450.00	5,450.00	115.66	94.16	-13.71	-4,237.02	4,374.39	2,331.26	2,202.62	128.64	18.123		
15,700.00	7,630.00	5,450.00	5,450.00	117.11	94.16	-13.71	-4,237.02	4,374.39	2,365.25	2,232.66	132.59	17.839		
15,800.00	7,630.00	5,450.00	5,450.00	118.57	94.16	-13.71	-4,237.02	4,374.39	2,402.93	2,266.48	136.45	17.611		
15,900.00	7,630.00	5,450.00	5,450.00	120.05	94.16	-13.71	-4,237.02	4,374.39	2,444.12	2,303.95	140.17	17.437		
16,000.00	7,630.00	5,450.00	5,450.00	121.53	94.16	-13.71	-4,237.02	4,374.39	2,488.65	2,344.92	143.73	17.315		
16,100.00	7,630.00	5,450.00	5,450.00	123.03	94.16	-13.71	-4,237.02	4,374.39	2,536.34	2,389.24	147.11	17.241		
16,200.00	7,630.00	5,450.00	5,450.00	124.53	94.16	-13.71	-4,237.02	4,374.39	2,587.02	2,436.72	150.30	17.212 SF		
16,300.00	7,630.00	5,450.00	5,450.00	126.04	94.16	-13.71	-4,237.02	4,374.39	2,640.52	2,487.22	153.30	17.224		
16,400.00	7,630.00	5,450.00	5,450.00	127.56	94.16	-13.71	-4,237.02	4,374.39	2,696.66	2,540.55	156.11	17.274		
16,500.00	7,630.00	5,450.00	5,450.00	129.09	94.16	-13.71	-4,237.02	4,374.39	2,755.29	2,596.56	158.74	17.358		
16,600.00	7,630.00	5,450.00	5,450.00	130.62	94.16	-13.71	-4,237.02	4,374.39	2,816.25	2,655.08	161.18	17.473		
16,700.00	7,630.00	5,450.00	5,450.00	132.16	94.16	-13.71	-4,237.02	4,374.39	2,879.40	2,715.95	163.45	17.617		
16,800.00	7,630.00	5,450.00	5,450.00	133.71	94.16	-13.71	-4,237.02	4,374.39	2,944.59	2,779.03	165.55	17.786		
16,900.00	7,630.00	5,450.00	5,450.00	135.27	94.16	-13.71	-4,237.02	4,374.39	3,011.68	2,844.18	167.50	17.980		
17,000.00	7,630.00	5,450.00	5,450.00	136.83	94.16	-13.71	-4,237.02	4,374.39	3,080.57	2,911.26	169.31	18.195		
17,100.00	7,630.00	5,450.00	5,450.00	138.39	94.16	-13.71	-4,237.02	4,374.39	3,151.12	2,980.15	170.97	18.431		
17,200.00	7,630.00	5,450.00	5,450.00	139.97	94.16	-13.71	-4,237.02	4,374.39	3,223.23	3,050.71	172.51	18.684		
17,300.00	7,630.00	5,450.00	5,450.00	141.54	94.16	-13.71	-4,237.02	4,374.39	3,296.79	3,122.86	173.94	18.954		
17,400.00	7,630.00	5,450.00	5,450.00	143.12	94.16	-13.71	-4,237.02	4,374.39	3,371.72	3,196.47	175.25	19.239		
17,500.00	7,630.00	5,450.00	5,450.00	144.71	94.16	-13.71	-4,237.02	4,374.39	3,447.92	3,271.46	176.46	19.539		
17,600.00	7,630.00	5,450.00	5,450.00	146.30	94.16	-13.71	-4,237.02	4,374.39	3,525.31	3,347.72	177.58	19.851		
17,700.00	7,630.00	5,450.00	5,450.00	147.90	94.16	-13.71	-4,237.02	4,374.39	3,603.81	3,425.19	178.62	20.176		
17,800.00	7,630.00	5,450.00	5,450.00	149.50	94.16	-13.71	-4,237.02	4,374.39	3,683.36	3,503.78	179.58	20.511		
17,900.00	7,630.00	5,450.00	5,450.00	151.10	94.16	-13.71	-4,237.02	4,374.39	3,763.88	3,583.41	180.46	20.857		
18,000.00	7,630.00	5,450.00	5,450.00	152.71	94.16	-13.71	-4,237.02	4,374.39	3,845.31	3,664.03	181.28	21.212		
18,100.00	7,630.00	5,450.00	5,450.00	154.32	94.16	-13.71	-4,237.02	4,374.39	3,927.60	3,745.57	182.03	21.576		
18,200.00	7,630.00	5,450.00	5,450.00	155.94	94.16	-13.71	-4,237.02	4,374.39	4,010.70	3,827.97	182.73	21.948		
18,300.00	7,630.00	5,450.00	5,450.00	157.56	94.16	-13.71	-4,237.02	4,374.39	4,094.55	3,911.17	183.38	22.328		
18,400.00	7,630.00	5,450.00	5,450.00	159.18	94.16	-13.71	-4,237.02	4,374.39	4,179.12	3,995.13	183.98	22.715		
18,500.00	7,630.00	5,450.00	5,450.00	160.80	94.16	-13.71	-4,237.02	4,374.39	4,264.35	4,079.81	184.54	23.108		
18,600.00	7,630.00	5,450.00	5,450.00	162.43	94.16	-13.71	-4,237.02	4,374.39	4,350.21	4,165.15	185.06	23.507		
18,700.00	7,630.00	5,450.00	5,450.00	164.06	94.16	-13.71	-4,237.02	4,374.39	4,436.66	4,251.12	185.54	23.913		
18,800.00	7,630.00	5,450.00	5,450.00	165.70	94.16	-13.71	-4,237.02	4,374.39	4,523.67	4,337.69	185.98	24.323		
18,900.00	7,630.00	5,450.00	5,450.00	167.33	94.16	-13.71	-4,237.02	4,374.39	4,611.21	4,424.81	186.40	24.739		
19,000.00	7,630.00	5,450.00	5,450.00	168.97	94.16	-13.71	-4,237.02	4,374.39	4,699.25	4,512.46	186.78	25.159		
19,021.79	7,630.00	5,450.00	5,450.00	169.33	94.16	-13.71	-4,237.02	4,374.39	4,718.49	4,531.63	186.86	25.251		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - SI VERT SHANNON-ROBERTS 4 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	141.80	-5,559.38	4,374.62	7,074.26					
100.00	100.00	66.00	66.00	0.13	0.52	141.80	-5,559.38	4,374.62	7,074.18	7,073.53	0.65	N/A		
200.00	200.00	166.00	166.00	0.49	1.94	141.80	-5,559.38	4,374.62	7,074.18	7,071.75	2.43	2,910.928		
300.00	300.00	266.00	266.00	0.85	3.68	141.80	-5,559.38	4,374.62	7,074.18	7,069.65	4.53	1,560.246		
400.00	400.00	366.00	366.00	1.21	5.43	141.80	-5,559.38	4,374.62	7,074.18	7,067.54	6.64	1,065.739		
500.00	500.00	466.00	466.00	1.57	7.17	141.80	-5,559.38	4,374.62	7,074.18	7,065.44	8.74	809.253		
600.00	600.00	566.00	566.00	1.93	8.92	141.80	-5,559.38	4,374.62	7,074.18	7,063.34	10.85	652.274		
700.00	700.00	666.00	666.00	2.29	10.66	141.80	-5,559.38	4,374.62	7,074.18	7,061.23	12.95	546.302		
800.00	799.98	765.98	765.98	2.64	12.41	80.04	-5,559.38	4,374.62	7,073.88	7,058.83	15.05	470.077		
900.00	899.84	865.84	865.84	2.99	14.15	80.09	-5,559.38	4,374.62	7,072.97	7,055.83	17.14	412.559		
1,000.00	999.45	965.45	965.45	3.35	15.89	80.19	-5,559.38	4,374.62	7,071.48	7,052.23	19.24	367.494		
1,100.00	1,098.70	1,064.70	1,064.70	3.73	17.62	80.33	-5,559.38	4,374.62	7,069.40	7,048.06	21.35	331.193		
1,200.00	1,197.47	1,163.47	1,163.47	4.11	19.35	80.51	-5,559.38	4,374.62	7,066.77	7,043.31	23.46	301.278		
1,300.00	1,295.62	1,261.62	1,261.62	4.53	21.06	80.72	-5,559.38	4,374.62	7,063.60	7,038.02	25.58	276.160		
1,400.00	1,393.06	1,359.06	1,359.06	4.97	22.76	80.97	-5,559.38	4,374.62	7,059.92	7,032.21	27.72	254.731		
1,500.00	1,489.64	1,455.64	1,455.64	5.44	24.45	81.25	-5,559.38	4,374.62	7,055.79	7,025.91	29.87	236.203		
1,600.00	1,585.27	1,551.27	1,551.27	5.95	26.11	81.56	-5,559.38	4,374.62	7,051.22	7,019.17	32.05	220.000		
1,700.00	1,679.82	1,645.82	1,645.82	6.51	27.76	81.91	-5,559.38	4,374.62	7,046.28	7,012.02	34.26	205.691		
1,800.00	1,773.17	1,739.17	1,739.17	7.13	29.39	82.28	-5,559.38	4,374.62	7,041.01	7,004.52	36.49	192.948		
1,900.00	1,865.21	1,831.21	1,831.21	7.79	31.00	82.69	-5,559.38	4,374.62	7,035.47	6,996.71	38.76	181.519		
2,000.00	1,955.84	1,921.84	1,921.84	8.51	32.58	83.11	-5,559.38	4,374.62	7,029.71	6,988.65	41.06	171.205		
2,100.00	2,044.94	2,010.94	2,010.94	9.30	34.14	83.56	-5,559.38	4,374.62	7,023.81	6,980.41	43.40	161.849		
2,200.00	2,132.39	2,101.61	2,098.39	10.15	35.72	84.02	-5,559.38	4,374.62	7,017.82	6,971.99	45.83	153.135		
2,300.00	2,218.11	2,184.11	2,184.11	11.07	37.16	84.50	-5,559.38	4,374.62	7,011.82	6,963.64	48.18	145.524		
2,400.00	2,301.97	2,267.97	2,267.97	12.06	38.62	84.99	-5,559.38	4,374.62	7,005.89	6,955.25	50.63	138.366		
2,500.00	2,383.88	2,349.88	2,349.88	13.11	40.05	85.49	-5,559.38	4,374.62	7,000.09	6,946.97	53.12	131.778		
2,512.74	2,394.17	2,360.17	2,360.17	13.25	40.23	85.55	-5,559.38	4,374.62	6,999.36	6,945.92	53.44	130.978		
2,600.00	2,464.54	2,430.54	2,430.54	14.22	41.46	85.89	-5,559.38	4,374.62	6,994.60	6,938.96	55.64	125.716		
2,700.00	2,545.18	2,511.18	2,511.18	15.35	42.87	86.28	-5,559.38	4,374.62	6,989.60	6,931.42	58.18	120.143		
2,800.00	2,625.82	2,608.18	2,591.82	16.50	44.56	86.67	-5,559.38	4,374.62	6,985.10	6,924.08	61.02	114.476		
2,900.00	2,706.45	2,672.45	2,672.45	17.65	45.68	87.07	-5,559.38	4,374.62	6,981.10	6,917.80	63.30	110.286		
3,000.00	2,787.09	2,753.09	2,753.09	18.82	47.09	87.46	-5,559.38	4,374.62	6,977.60	6,911.72	65.88	105.917		
3,100.00	2,867.73	2,833.73	2,833.73	19.99	48.50	87.85	-5,559.38	4,374.62	6,974.59	6,906.13	68.46	101.871		
3,200.00	2,948.37	2,914.37	2,914.37	21.17	49.91	88.24	-5,559.38	4,374.62	6,972.09	6,901.03	71.06	98.118		
3,300.00	3,029.01	3,004.99	2,995.01	22.36	51.49	88.63	-5,559.38	4,374.62	6,970.09	6,896.26	73.83	94.406		
3,400.00	3,109.65	3,075.65	3,075.65	23.55	52.72	89.02	-5,559.38	4,374.62	6,968.59	6,892.33	76.26	91.380		
3,500.00	3,190.29	3,156.29	3,156.29	24.74	54.13	89.42	-5,559.38	4,374.62	6,967.59	6,888.73	78.87	88.347		
3,600.00	3,270.93	3,236.93	3,236.93	25.94	55.54	89.81	-5,559.38	4,374.62	6,967.09	6,885.62	81.48	85.512		
3,648.95	3,310.41	3,276.41	3,276.41	26.53	56.22	90.00	-5,559.38	4,374.62	6,967.03	6,884.28	82.75	84.190		
3,700.00	3,351.57	3,317.57	3,317.57	27.14	56.94	90.20	-5,559.38	4,374.62	6,967.10	6,883.01	84.09	82.856		
3,800.00	3,432.21	3,401.79	3,398.21	28.35	58.41	90.59	-5,559.38	4,374.62	6,967.61	6,880.85	86.76	80.308		
3,900.00	3,512.85	3,478.85	3,478.85	29.56	59.76	90.98	-5,559.38	4,374.62	6,968.62	6,879.30	89.31	78.026		
4,000.00	3,593.49	3,559.49	3,559.49	30.76	61.16	91.38	-5,559.38	4,374.62	6,970.13	6,878.20	91.93	75.824		
4,100.00	3,674.13	3,640.13	3,640.13	31.97	62.57	91.77	-5,559.38	4,374.62	6,972.14	6,877.60	94.54	73.750		
4,200.00	3,754.77	3,720.77	3,720.77	33.19	63.98	92.16	-5,559.38	4,374.62	6,974.65	6,877.50	97.15	71.792		
4,300.00	3,835.41	3,801.41	3,801.41	34.40	65.39	92.55	-5,559.38	4,374.62	6,977.66	6,877.90	99.76	69.943		
4,400.00	3,916.05	3,882.05	3,882.05	35.62	66.79	92.94	-5,559.38	4,374.62	6,981.18	6,878.81	102.37	68.195		
4,500.00	3,996.69	3,962.69	3,962.69	36.83	68.20	93.33	-5,559.38	4,374.62	6,985.19	6,880.21	104.98	66.539		
4,600.00	4,077.33	4,043.33	4,043.33	38.05	69.61	93.72	-5,559.38	4,374.62	6,989.70	6,882.11	107.59	64.969		
4,700.00	4,157.96	4,123.96	4,123.96	39.27	71.02	94.11	-5,559.38	4,374.62	6,994.71	6,884.52	110.19	63.479		
4,800.00	4,238.60	4,204.60	4,204.60	40.49	72.42	94.50	-5,559.38	4,374.62	7,000.21	6,887.42	112.79	62.064		
4,900.00	4,319.24	4,285.24	4,285.24	41.71	73.83	94.89	-5,559.38	4,374.62	7,006.21	6,890.82	115.39	60.719		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - SI VERT SHANNON-ROBERTS 4 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	4,399.88	4,365.88	4,365.88	42.93	75.24	95.28	-5,559.38	4,374.62	7,012.70	6,894.72	117.98	59.439		
5,100.00	4,480.52	4,446.52	4,446.52	44.15	76.65	95.67	-5,559.38	4,374.62	7,019.68	6,899.11	120.57	58.220		
5,200.00	4,561.16	4,527.16	4,527.16	45.37	78.05	96.06	-5,559.38	4,374.62	7,027.16	6,904.00	123.16	57.057		
5,300.00	4,641.80	4,607.80	4,607.80	46.59	79.46	96.45	-5,559.38	4,374.62	7,035.12	6,909.38	125.74	55.949		
5,400.00	4,722.44	4,688.44	4,688.44	47.82	80.87	96.83	-5,559.38	4,374.62	7,043.57	6,915.25	128.32	54.890		
5,500.00	4,803.08	4,769.08	4,769.08	49.04	82.28	97.22	-5,559.38	4,374.62	7,052.51	6,921.61	130.90	53.879		
5,600.00	4,883.72	4,849.72	4,849.72	50.27	83.68	97.61	-5,559.38	4,374.62	7,061.93	6,928.46	133.46	52.912		
5,700.00	4,964.36	4,930.36	4,930.36	51.49	85.09	97.99	-5,559.38	4,374.62	7,071.83	6,935.80	136.03	51.988		
5,800.00	5,045.00	5,011.00	5,011.00	52.71	86.50	98.38	-5,559.38	4,374.62	7,082.21	6,943.63	138.59	51.102		
5,900.00	5,125.64	5,108.36	5,091.64	53.94	88.20	98.76	-5,559.38	4,374.62	7,093.08	6,951.64	141.43	50.151		
6,000.00	5,206.28	5,172.28	5,172.28	55.17	89.31	99.14	-5,559.38	4,374.62	7,104.41	6,960.72	143.69	49.442		
6,100.00	5,286.92	5,252.92	5,252.92	56.39	90.72	99.52	-5,559.38	4,374.62	7,116.22	6,969.99	146.23	48.663		
6,200.00	5,367.56	5,333.56	5,333.56	57.62	92.13	99.90	-5,559.38	4,374.62	7,128.50	6,979.73	148.77	47.916		
6,300.00	5,448.20	5,414.20	5,414.20	58.84	93.54	100.29	-5,559.38	4,374.62	7,141.25	6,989.95	151.30	47.198		
6,400.00	5,528.84	5,450.00	5,450.00	60.07	94.16	100.45	-5,559.38	4,374.62	7,154.61	7,001.57	153.03	46.752		
6,500.00	5,609.47	5,450.00	5,450.00	61.30	94.16	100.45	-5,559.38	4,374.62	7,169.24	7,015.14	154.11	46.522		
6,600.00	5,690.11	5,450.00	5,450.00	62.53	94.16	100.45	-5,559.38	4,374.62	7,185.24	7,030.09	155.15	46.311		
6,700.00	5,770.75	5,450.00	5,450.00	63.75	94.16	100.45	-5,559.38	4,374.62	7,202.60	7,046.42	156.17	46.120		
6,800.00	5,851.39	5,450.00	5,450.00	64.98	94.16	100.45	-5,559.38	4,374.62	7,221.29	7,064.13	157.16	45.948		
6,900.00	5,932.03	5,450.00	5,450.00	66.21	94.16	100.45	-5,559.38	4,374.62	7,241.32	7,083.19	158.13	45.794		
7,000.00	6,012.67	5,450.00	5,450.00	67.44	94.16	100.45	-5,559.38	4,374.62	7,262.67	7,103.60	159.06	45.659		
7,100.00	6,093.31	5,450.00	5,450.00	68.66	94.16	100.45	-5,559.38	4,374.62	7,285.33	7,125.35	159.97	45.541		
7,200.00	6,173.95	5,450.00	5,450.00	69.89	94.16	100.45	-5,559.38	4,374.62	7,309.29	7,148.43	160.86	45.440		
7,300.00	6,254.59	5,450.00	5,450.00	71.12	94.16	100.45	-5,559.38	4,374.62	7,334.53	7,172.82	161.71	45.356		
7,400.00	6,335.23	5,450.00	5,450.00	72.35	94.16	100.45	-5,559.38	4,374.62	7,361.04	7,198.50	162.54	45.288		
7,500.00	6,415.87	5,450.00	5,450.00	73.58	94.16	100.45	-5,559.38	4,374.62	7,388.82	7,225.48	163.34	45.236		
7,600.00	6,496.51	5,450.00	5,450.00	74.81	94.16	100.45	-5,559.38	4,374.62	7,417.83	7,253.72	164.11	45.199		
7,700.00	6,577.15	5,450.00	5,450.00	76.04	94.16	100.45	-5,559.38	4,374.62	7,448.08	7,283.22	164.86	45.178		
7,800.00	6,657.79	5,450.00	5,450.00	77.27	94.16	100.45	-5,559.38	4,374.62	7,479.54	7,313.96	165.58	45.172		
7,900.00	6,738.43	5,450.00	5,450.00	78.50	94.16	100.45	-5,559.38	4,374.62	7,512.21	7,345.93	166.27	45.179		
8,000.00	6,819.07	5,450.00	5,450.00	79.73	94.16	100.45	-5,559.38	4,374.62	7,546.05	7,379.11	166.94	45.201		
8,100.00	6,899.71	5,450.00	5,450.00	80.96	94.16	100.45	-5,559.38	4,374.62	7,581.06	7,413.48	167.59	45.237		
8,200.00	6,980.35	5,450.00	5,450.00	82.18	94.16	100.45	-5,559.38	4,374.62	7,617.23	7,449.03	168.20	45.286		
8,240.58	7,013.07	5,450.00	5,450.00	82.68	94.16	100.45	-5,559.38	4,374.62	7,632.23	7,463.78	168.45	45.309		
8,250.00	7,020.68	5,450.00	5,450.00	82.80	94.16	99.35	-5,559.38	4,374.62	7,635.67	7,467.17	168.50	45.315		
8,300.00	7,061.63	5,450.00	5,450.00	83.40	94.16	92.98	-5,559.38	4,374.62	7,651.72	7,482.92	168.79	45.332		
8,350.00	7,103.23	5,450.00	5,450.00	83.97	94.16	85.92	-5,559.38	4,374.62	7,663.98	7,494.91	169.07	45.329		
8,400.00	7,145.18	5,450.00	5,450.00	84.51	94.16	78.42	-5,559.38	4,374.62	7,672.39	7,503.06	169.34	45.309		
8,450.00	7,187.16	5,450.00	5,450.00	85.01	94.16	70.81	-5,559.38	4,374.62	7,676.90	7,507.32	169.58	45.271		
8,500.00	7,228.84	5,450.00	5,450.00	85.46	94.16	63.41	-5,559.38	4,374.62	7,677.47	7,507.68	169.79	45.218		
8,550.00	7,269.91	5,450.00	5,450.00	85.86	94.16	56.50	-5,559.38	4,374.62	7,674.10	7,504.13	169.97	45.149		
8,600.00	7,310.05	5,450.00	5,450.00	86.20	94.16	50.21	-5,559.38	4,374.62	7,666.81	7,496.69	170.12	45.066		
8,650.00	7,348.97	5,450.00	5,450.00	86.50	94.16	44.60	-5,559.38	4,374.62	7,655.66	7,485.42	170.24	44.970		
8,700.00	7,386.36	5,450.00	5,450.00	86.74	94.16	39.65	-5,559.38	4,374.62	7,640.70	7,470.37	170.32	44.860		
8,750.00	7,421.94	5,450.00	5,450.00	86.93	94.16	35.28	-5,559.38	4,374.62	7,622.02	7,451.65	170.37	44.738		
8,800.00	7,455.44	5,450.00	5,450.00	87.07	94.16	31.39	-5,559.38	4,374.62	7,599.75	7,429.36	170.39	44.603		
8,850.00	7,486.61	5,450.00	5,450.00	87.16	94.16	27.88	-5,559.38	4,374.62	7,574.02	7,403.64	170.37	44.455		
8,900.00	7,515.20	5,450.00	5,450.00	87.20	94.16	24.64	-5,559.38	4,374.62	7,544.99	7,374.66	170.33	44.296		
8,950.00	7,541.00	5,450.00	5,450.00	87.21	94.16	21.55	-5,559.38	4,374.62	7,512.85	7,342.59	170.26	44.126		
9,000.00	7,563.81	5,450.00	5,450.00	87.17	94.16	18.51	-5,559.38	4,374.62	7,477.80	7,307.63	170.17	43.944		
9,050.00	7,583.47	5,450.00	5,450.00	87.10	94.16	15.35	-5,559.38	4,374.62	7,440.07	7,270.02	170.06	43.751		
9,100.00	7,599.81	5,450.00	5,450.00	87.00	94.16	11.89	-5,559.38	4,374.62	7,399.91	7,229.99	169.93	43.547		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - SI VERT SHANNON-ROBERTS 4 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,150.00	7,612.72	5,450.00	5,450.00	86.88	94.16	7.87	-5,559.38	4,374.62	7,357.59	7,187.80	169.79	43.333		
9,200.00	7,622.09	5,450.00	5,450.00	86.72	94.16	2.88	-5,559.38	4,374.62	7,313.40	7,143.75	169.65	43.110		
9,250.00	7,627.87	5,450.00	5,450.00	86.55	94.16	-3.72	-5,559.38	4,374.62	7,267.63	7,098.13	169.50	42.878		
9,303.98	7,630.00	5,450.00	5,450.00	86.35	94.16	-13.82	-5,559.38	4,374.62	7,216.84	7,047.50	169.34	42.618		
9,400.00	7,630.00	5,450.00	5,450.00	85.99	94.16	-13.82	-5,559.38	4,374.62	7,125.49	6,956.43	169.06	42.148		
9,500.00	7,630.00	5,450.00	5,450.00	85.62	94.16	-13.82	-5,559.38	4,374.62	7,030.49	6,861.73	168.75	41.661		
9,600.00	7,630.00	5,450.00	5,450.00	85.28	94.16	-13.82	-5,559.38	4,374.62	6,935.63	6,767.18	168.44	41.175		
9,700.00	7,630.00	5,450.00	5,450.00	84.95	94.16	-13.82	-5,559.38	4,374.62	6,840.91	6,672.79	168.12	40.691		
9,800.00	7,630.00	5,450.00	5,450.00	84.64	94.16	-13.82	-5,559.38	4,374.62	6,746.35	6,578.56	167.79	40.207		
9,900.00	7,630.00	5,450.00	5,450.00	84.34	94.16	-13.82	-5,559.38	4,374.62	6,651.95	6,484.50	167.45	39.726		
10,000.00	7,630.00	5,450.00	5,450.00	84.06	94.16	-13.82	-5,559.38	4,374.62	6,557.72	6,390.62	167.09	39.246		
10,100.00	7,630.00	5,450.00	5,450.00	83.80	94.16	-13.82	-5,559.38	4,374.62	6,463.65	6,296.92	166.73	38.767		
10,200.00	7,630.00	5,450.00	5,450.00	83.56	94.16	-13.82	-5,559.38	4,374.62	6,369.77	6,203.42	166.35	38.290		
10,300.00	7,630.00	5,450.00	5,450.00	83.33	94.16	-13.82	-5,559.38	4,374.62	6,276.08	6,110.11	165.97	37.815		
10,400.00	7,630.00	5,450.00	5,450.00	83.12	94.16	-13.82	-5,559.38	4,374.62	6,182.58	6,017.02	165.57	37.342		
10,500.00	7,630.00	5,450.00	5,450.00	82.92	94.16	-13.82	-5,559.38	4,374.62	6,089.30	5,924.15	165.15	36.871		
10,600.00	7,630.00	5,450.00	5,450.00	82.75	94.16	-13.82	-5,559.38	4,374.62	5,996.22	5,831.50	164.72	36.402		
10,700.00	7,630.00	5,450.00	5,450.00	82.59	94.16	-13.82	-5,559.38	4,374.62	5,903.38	5,739.10	164.28	35.935		
10,800.00	7,630.00	5,450.00	5,450.00	82.45	94.16	-13.82	-5,559.38	4,374.62	5,810.77	5,646.95	163.82	35.471		
10,900.00	7,630.00	5,450.00	5,450.00	82.33	94.16	-13.82	-5,559.38	4,374.62	5,718.41	5,555.07	163.34	35.009		
11,000.00	7,630.00	5,450.00	5,450.00	82.22	94.16	-13.82	-5,559.38	4,374.62	5,626.32	5,463.46	162.85	34.549		
11,100.00	7,630.00	5,450.00	5,450.00	82.14	94.16	-13.82	-5,559.38	4,374.62	5,534.49	5,372.15	162.34	34.092		
11,200.00	7,630.00	5,450.00	5,450.00	82.08	94.16	-13.82	-5,559.38	4,374.62	5,442.96	5,281.15	161.81	33.638		
11,300.00	7,630.00	5,450.00	5,450.00	82.04	94.16	-13.82	-5,559.38	4,374.62	5,351.73	5,190.46	161.26	33.186		
11,400.00	7,630.00	5,450.00	5,450.00	82.02	94.16	-13.82	-5,559.38	4,374.62	5,260.81	5,100.12	160.69	32.738		
11,500.00	7,630.00	5,450.00	5,450.00	82.03	94.16	-13.82	-5,559.38	4,374.62	5,170.23	5,010.13	160.10	32.293		
11,600.00	7,630.00	5,450.00	5,450.00	82.06	94.16	-13.82	-5,559.38	4,374.62	5,080.01	4,920.52	159.49	31.852		
11,700.00	7,630.00	5,450.00	5,450.00	82.12	94.16	-13.82	-5,559.38	4,374.62	4,990.16	4,831.31	158.85	31.414		
11,800.00	7,630.00	5,450.00	5,450.00	82.21	94.16	-13.82	-5,559.38	4,374.62	4,900.70	4,742.51	158.19	30.980		
11,900.00	7,630.00	5,450.00	5,450.00	82.33	94.16	-13.82	-5,559.38	4,374.62	4,811.66	4,654.16	157.50	30.550		
12,000.00	7,630.00	5,450.00	5,450.00	82.48	94.16	-13.82	-5,559.38	4,374.62	4,723.05	4,566.27	156.78	30.124		
12,100.00	7,630.00	5,450.00	5,450.00	82.66	94.16	-13.82	-5,559.38	4,374.62	4,634.91	4,478.87	156.04	29.703		
12,200.00	7,630.00	5,450.00	5,450.00	82.88	94.16	-13.82	-5,559.38	4,374.62	4,547.26	4,391.99	155.27	29.287		
12,300.00	7,630.00	5,450.00	5,450.00	83.14	94.16	-13.82	-5,559.38	4,374.62	4,460.13	4,305.67	154.46	28.875		
12,400.00	7,630.00	5,450.00	5,450.00	83.44	94.16	-13.82	-5,559.38	4,374.62	4,373.55	4,219.93	153.62	28.469		
12,500.00	7,630.00	5,450.00	5,450.00	83.79	94.16	-13.82	-5,559.38	4,374.62	4,287.55	4,134.80	152.75	28.069		
12,600.00	7,630.00	5,450.00	5,450.00	84.18	94.16	-13.82	-5,559.38	4,374.62	4,202.18	4,050.33	151.85	27.674		
12,700.00	7,630.00	5,450.00	5,450.00	84.61	94.16	-13.82	-5,559.38	4,374.62	4,117.46	3,966.56	150.90	27.286		
12,800.00	7,630.00	5,450.00	5,450.00	85.10	94.16	-13.82	-5,559.38	4,374.62	4,033.44	3,883.52	149.92	26.904		
12,900.00	7,630.00	5,450.00	5,450.00	85.64	94.16	-13.82	-5,559.38	4,374.62	3,950.17	3,801.27	148.90	26.529		
13,000.00	7,630.00	5,450.00	5,450.00	86.22	94.16	-13.82	-5,559.38	4,374.62	3,867.69	3,719.85	147.84	26.162		
13,100.00	7,630.00	5,450.00	5,450.00	86.86	94.16	-13.82	-5,559.38	4,374.62	3,786.05	3,639.32	146.74	25.802		
13,200.00	7,630.00	5,450.00	5,450.00	87.56	94.16	-13.82	-5,559.38	4,374.62	3,705.32	3,559.73	145.59	25.450		
13,300.00	7,630.00	5,450.00	5,450.00	88.30	94.16	-13.82	-5,559.38	4,374.62	3,625.54	3,481.14	144.40	25.108		
13,400.00	7,630.00	5,450.00	5,450.00	89.10	94.16	-13.82	-5,559.38	4,374.62	3,546.79	3,403.63	143.17	24.774		
13,500.00	7,630.00	5,450.00	5,450.00	89.94	94.16	-13.82	-5,559.38	4,374.62	3,469.14	3,327.25	141.89	24.449		
13,600.00	7,630.00	5,450.00	5,450.00	90.84	94.16	-13.82	-5,559.38	4,374.62	3,392.65	3,252.08	140.57	24.135		
13,700.00	7,630.00	5,450.00	5,450.00	91.78	94.16	-13.82	-5,559.38	4,374.62	3,317.42	3,178.22	139.20	23.831		
13,800.00	7,630.00	5,450.00	5,450.00	92.77	94.16	-13.82	-5,559.38	4,374.62	3,243.53	3,105.73	137.80	23.539		
13,900.00	7,630.00	5,450.00	5,450.00	93.79	94.16	-13.82	-5,559.38	4,374.62	3,171.06	3,034.72	136.35	23.257		
14,000.00	7,630.00	5,450.00	5,450.00	94.86	94.16	-13.82	-5,559.38	4,374.62	3,100.13	2,965.27	134.86	22.988		
14,100.00	7,630.00	5,450.00	5,450.00	95.97	94.16	-13.82	-5,559.38	4,374.62	3,030.84	2,897.50	133.34	22.731		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - SI VERT SHANNON-ROBERTS 4 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,630.00	5,450.00	5,450.00	97.11	94.16	-13.82	-5,559.38	4,374.62	2,963.30	2,831.52	131.78	22.486		
14,300.00	7,630.00	5,450.00	5,450.00	98.28	94.16	-13.82	-5,559.38	4,374.62	2,897.65	2,767.44	130.20	22.255		
14,400.00	7,630.00	5,450.00	5,450.00	99.48	94.16	-13.82	-5,559.38	4,374.62	2,834.00	2,705.39	128.60	22.037		
14,500.00	7,630.00	5,450.00	5,450.00	100.72	94.16	-13.82	-5,559.38	4,374.62	2,772.49	2,645.50	126.99	21.833		
14,600.00	7,630.00	5,450.00	5,450.00	101.97	94.16	-13.82	-5,559.38	4,374.62	2,713.28	2,587.91	125.37	21.642		
14,700.00	7,630.00	5,450.00	5,450.00	103.26	94.16	-13.82	-5,559.38	4,374.62	2,656.52	2,532.76	123.75	21.466		
14,800.00	7,630.00	5,450.00	5,450.00	104.56	94.16	-13.82	-5,559.38	4,374.62	2,602.36	2,480.20	122.15	21.304		
14,900.00	7,630.00	5,450.00	5,450.00	105.89	94.16	-13.82	-5,559.38	4,374.62	2,550.97	2,430.39	120.58	21.155		
15,000.00	7,630.00	5,450.00	5,450.00	107.24	94.16	-13.82	-5,559.38	4,374.62	2,502.52	2,383.47	119.05	21.020		
15,100.00	7,630.00	5,450.00	5,450.00	108.60	94.16	-13.82	-5,559.38	4,374.62	2,457.19	2,339.61	117.58	20.898		
15,200.00	7,630.00	5,450.00	5,450.00	109.98	94.16	-13.82	-5,559.38	4,374.62	2,415.15	2,298.97	116.18	20.787		
15,300.00	7,630.00	5,450.00	5,450.00	111.38	94.16	-13.82	-5,559.38	4,374.62	2,376.58	2,261.69	114.89	20.686		
15,400.00	7,630.00	5,450.00	5,450.00	112.79	94.16	-13.82	-5,559.38	4,374.62	2,341.65	2,227.93	113.72	20.591		
15,500.00	7,630.00	5,450.00	5,450.00	114.22	94.16	-13.82	-5,559.38	4,374.62	2,310.52	2,197.80	112.72	20.498		
15,600.00	7,630.00	5,450.00	5,450.00	115.66	94.16	-13.82	-5,559.38	4,374.62	2,283.35	2,171.43	111.92	20.402		
15,700.00	7,630.00	5,450.00	5,450.00	117.11	94.16	-13.82	-5,559.38	4,374.62	2,260.28	2,148.90	111.38	20.293		
15,800.00	7,630.00	5,450.00	5,450.00	118.57	94.16	-13.82	-5,559.38	4,374.62	2,241.44	2,130.27	111.17	20.162		
15,900.00	7,630.00	5,450.00	5,450.00	120.05	94.16	-13.82	-5,559.38	4,374.62	2,226.93	2,115.57	111.36	19.998		
16,000.00	7,630.00	5,450.00	5,450.00	121.53	94.16	-13.82	-5,559.38	4,374.62	2,216.85	2,104.82	112.02	19.789		
16,100.00	7,630.00	5,450.00	5,450.00	123.03	94.16	-13.82	-5,559.38	4,374.62	2,211.24	2,098.01	113.23	19.529		
16,174.10	7,630.00	5,450.00	5,450.00	124.14	94.16	-13.82	-5,559.38	4,374.62	2,210.00	2,095.51	114.49	19.302 CC		
16,200.00	7,630.00	5,450.00	5,450.00	124.53	94.16	-13.82	-5,559.38	4,374.62	2,210.15	2,095.14	115.01	19.217 ES		
16,300.00	7,630.00	5,450.00	5,450.00	126.04	94.16	-13.82	-5,559.38	4,374.62	2,213.58	2,096.23	117.35	18.863		
16,400.00	7,630.00	5,450.00	5,450.00	127.56	94.16	-13.82	-5,559.38	4,374.62	2,221.52	2,101.31	120.20	18.481		
16,500.00	7,630.00	5,450.00	5,450.00	129.09	94.16	-13.82	-5,559.38	4,374.62	2,233.90	2,110.44	123.46	18.093		
16,600.00	7,630.00	5,450.00	5,450.00	130.62	94.16	-13.82	-5,559.38	4,374.62	2,250.66	2,123.64	127.03	17.718		
16,700.00	7,630.00	5,450.00	5,450.00	132.16	94.16	-13.82	-5,559.38	4,374.62	2,271.71	2,140.93	130.78	17.370		
16,800.00	7,630.00	5,450.00	5,450.00	133.71	94.16	-13.82	-5,559.38	4,374.62	2,296.92	2,162.30	134.62	17.062		
16,900.00	7,630.00	5,450.00	5,450.00	135.27	94.16	-13.82	-5,559.38	4,374.62	2,326.16	2,187.68	138.48	16.798		
17,000.00	7,630.00	5,450.00	5,450.00	136.83	94.16	-13.82	-5,559.38	4,374.62	2,359.28	2,217.01	142.27	16.583		
17,100.00	7,630.00	5,450.00	5,450.00	138.39	94.16	-13.82	-5,559.38	4,374.62	2,396.12	2,250.16	145.96	16.416		
17,200.00	7,630.00	5,450.00	5,450.00	139.97	94.16	-13.82	-5,559.38	4,374.62	2,436.51	2,287.00	149.50	16.297		
17,300.00	7,630.00	5,450.00	5,450.00	141.54	94.16	-13.82	-5,559.38	4,374.62	2,480.27	2,327.39	152.88	16.223		
17,400.00	7,630.00	5,450.00	5,450.00	143.12	94.16	-13.82	-5,559.38	4,374.62	2,527.24	2,371.16	156.08	16.192 SF		
17,500.00	7,630.00	5,450.00	5,450.00	144.71	94.16	-13.82	-5,559.38	4,374.62	2,577.23	2,418.14	159.08	16.200		
17,600.00	7,630.00	5,450.00	5,450.00	146.30	94.16	-13.82	-5,559.38	4,374.62	2,630.07	2,468.18	161.90	16.245		
17,700.00	7,630.00	5,450.00	5,450.00	147.90	94.16	-13.82	-5,559.38	4,374.62	2,685.60	2,521.09	164.52	16.324		
17,800.00	7,630.00	5,450.00	5,450.00	149.50	94.16	-13.82	-5,559.38	4,374.62	2,743.66	2,576.70	166.95	16.434		
17,900.00	7,630.00	5,450.00	5,450.00	151.10	94.16	-13.82	-5,559.38	4,374.62	2,804.07	2,634.87	169.21	16.572		
18,000.00	7,630.00	5,450.00	5,450.00	152.71	94.16	-13.82	-5,559.38	4,374.62	2,866.71	2,695.42	171.29	16.736		
18,100.00	7,630.00	5,450.00	5,450.00	154.32	94.16	-13.82	-5,559.38	4,374.62	2,931.41	2,758.21	173.21	16.924		
18,200.00	7,630.00	5,450.00	5,450.00	155.94	94.16	-13.82	-5,559.38	4,374.62	2,998.06	2,823.08	174.98	17.134		
18,300.00	7,630.00	5,450.00	5,450.00	157.56	94.16	-13.82	-5,559.38	4,374.62	3,066.52	2,889.92	176.60	17.364		
18,400.00	7,630.00	5,450.00	5,450.00	159.18	94.16	-13.82	-5,559.38	4,374.62	3,136.67	2,958.58	178.10	17.612		
18,500.00	7,630.00	5,450.00	5,450.00	160.80	94.16	-13.82	-5,559.38	4,374.62	3,208.41	3,028.94	179.47	17.877		
18,600.00	7,630.00	5,450.00	5,450.00	162.43	94.16	-13.82	-5,559.38	4,374.62	3,281.63	3,100.90	180.73	18.158		
18,700.00	7,630.00	5,450.00	5,450.00	164.06	94.16	-13.82	-5,559.38	4,374.62	3,356.23	3,174.35	181.88	18.453		
18,800.00	7,630.00	5,450.00	5,450.00	165.70	94.16	-13.82	-5,559.38	4,374.62	3,432.12	3,249.18	182.94	18.761		
18,900.00	7,630.00	5,450.00	5,450.00	167.33	94.16	-13.82	-5,559.38	4,374.62	3,509.22	3,325.31	183.91	19.082		
19,000.00	7,630.00	5,450.00	5,450.00	168.97	94.16	-13.82	-5,559.38	4,374.62	3,587.45	3,402.65	184.80	19.413		
19,021.79	7,630.00	5,450.00	5,450.00	169.33	94.16	-13.82	-5,559.38	4,374.62	3,604.64	3,419.66	184.98	19.487		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - SI VERT SHANNON-ROBERTS OWP 1-A - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	126.65	-4,236.75	5,693.42	7,097.11					
100.00	100.00	38.00	38.00	0.13	0.31	126.65	-4,236.75	5,693.42	7,096.84	7,096.40	0.44	N/A		
200.00	200.00	138.00	138.00	0.49	1.47	126.65	-4,236.75	5,693.42	7,096.84	7,094.88	1.96	3,622.729		
300.00	300.00	238.00	238.00	0.85	3.21	126.65	-4,236.75	5,693.42	7,096.84	7,092.78	4.06	1,746.795		
400.00	400.00	338.00	338.00	1.21	4.96	126.65	-4,236.75	5,693.42	7,096.84	7,090.67	6.17	1,150.855		
500.00	500.00	438.00	438.00	1.57	6.70	126.65	-4,236.75	5,693.42	7,096.84	7,088.57	8.27	858.103		
600.00	600.00	538.00	538.00	1.93	8.45	126.65	-4,236.75	5,693.42	7,096.84	7,086.47	10.37	684.087		
700.00	700.00	638.00	638.00	2.29	10.19	126.65	-4,236.75	5,693.42	7,096.84	7,084.36	12.48	568.749		
800.00	799.98	737.98	737.98	2.64	11.94	64.89	-4,236.75	5,693.42	7,096.10	7,081.52	14.58	486.802		
900.00	899.84	837.84	837.84	2.99	13.68	64.97	-4,236.75	5,693.42	7,093.88	7,077.21	16.67	425.486		
1,000.00	999.45	937.45	937.45	3.35	15.42	65.10	-4,236.75	5,693.42	7,090.19	7,071.42	18.77	377.754		
1,100.00	1,098.70	1,036.70	1,036.70	3.73	17.15	65.29	-4,236.75	5,693.42	7,085.04	7,064.18	20.87	339.497		
1,200.00	1,197.47	1,135.47	1,135.47	4.11	18.88	65.52	-4,236.75	5,693.42	7,078.47	7,055.49	22.97	308.102		
1,300.00	1,295.62	1,233.62	1,233.62	4.53	20.59	65.80	-4,236.75	5,693.42	7,070.48	7,045.39	25.09	281.829		
1,400.00	1,393.06	1,331.06	1,331.06	4.97	22.29	66.14	-4,236.75	5,693.42	7,061.12	7,033.91	27.21	259.479		
1,500.00	1,489.64	1,427.64	1,427.64	5.44	23.97	66.52	-4,236.75	5,693.42	7,050.42	7,021.07	29.35	240.199		
1,600.00	1,585.27	1,523.27	1,523.27	5.95	25.64	66.96	-4,236.75	5,693.42	7,038.44	7,006.93	31.51	223.371		
1,700.00	1,679.82	1,617.82	1,617.82	6.51	27.29	67.44	-4,236.75	5,693.42	7,025.21	6,991.52	33.69	208.530		
1,800.00	1,773.17	1,711.17	1,711.17	7.13	28.92	67.96	-4,236.75	5,693.42	7,010.79	6,974.90	35.89	195.326		
1,900.00	1,865.21	1,803.21	1,803.21	7.79	30.53	68.53	-4,236.75	5,693.42	6,995.25	6,957.13	38.12	183.490		
2,000.00	1,955.84	1,906.16	1,893.84	8.51	32.33	69.14	-4,236.75	5,693.42	6,978.64	6,938.05	40.60	171.894		
2,100.00	2,044.94	1,982.94	1,982.94	9.30	33.67	69.79	-4,236.75	5,693.42	6,961.05	6,918.37	42.68	163.115		
2,200.00	2,132.39	2,070.39	2,070.39	10.15	35.19	70.48	-4,236.75	5,693.42	6,942.54	6,897.54	45.00	154.275		
2,300.00	2,218.11	2,156.11	2,156.11	11.07	36.69	71.20	-4,236.75	5,693.42	6,923.19	6,875.83	47.36	146.178		
2,400.00	2,301.97	2,239.97	2,239.97	12.06	38.15	71.96	-4,236.75	5,693.42	6,903.09	6,853.33	49.76	138.735		
2,500.00	2,383.88	2,321.88	2,321.88	13.11	39.58	72.74	-4,236.75	5,693.42	6,882.33	6,830.14	52.19	131.870		
2,512.74	2,394.17	2,332.17	2,332.17	13.25	39.76	72.85	-4,236.75	5,693.42	6,879.64	6,827.14	52.50	131.034		
2,600.00	2,464.54	2,402.54	2,402.54	14.22	40.99	73.19	-4,236.75	5,693.42	6,861.36	6,806.71	54.65	125.539		
2,700.00	2,545.18	2,483.18	2,483.18	15.35	42.40	73.58	-4,236.75	5,693.42	6,840.83	6,783.69	57.14	119.710		
2,800.00	2,625.82	2,563.82	2,563.82	16.50	43.80	73.97	-4,236.75	5,693.42	6,820.75	6,761.10	59.66	114.335		
2,900.00	2,706.45	2,644.45	2,644.45	17.65	45.21	74.36	-4,236.75	5,693.42	6,801.13	6,738.95	62.18	109.371		
3,000.00	2,787.09	2,725.09	2,725.09	18.82	46.62	74.76	-4,236.75	5,693.42	6,781.97	6,717.24	64.73	104.776		
3,100.00	2,867.73	2,805.73	2,805.73	19.99	48.03	75.15	-4,236.75	5,693.42	6,763.27	6,695.98	67.29	100.516		
3,200.00	2,948.37	2,886.37	2,886.37	21.17	49.43	75.55	-4,236.75	5,693.42	6,745.04	6,675.18	69.85	96.558		
3,300.00	3,029.01	2,967.01	2,967.01	22.36	50.84	75.95	-4,236.75	5,693.42	6,727.27	6,654.84	72.44	92.873		
3,400.00	3,109.65	3,047.65	3,047.65	23.55	52.25	76.35	-4,236.75	5,693.42	6,709.98	6,634.96	75.02	89.437		
3,500.00	3,190.29	3,128.29	3,128.29	24.74	53.66	76.75	-4,236.75	5,693.42	6,693.17	6,615.55	77.62	86.226		
3,600.00	3,270.93	3,208.93	3,208.93	25.94	55.06	77.16	-4,236.75	5,693.42	6,676.84	6,596.61	80.23	83.222		
3,700.00	3,351.57	3,289.57	3,289.57	27.14	56.47	77.56	-4,236.75	5,693.42	6,661.00	6,578.15	82.84	80.405		
3,800.00	3,432.21	3,370.21	3,370.21	28.35	57.88	77.97	-4,236.75	5,693.42	6,645.64	6,560.18	85.46	77.760		
3,900.00	3,512.85	3,450.85	3,450.85	29.56	59.29	78.38	-4,236.75	5,693.42	6,630.78	6,542.69	88.09	75.273		
4,000.00	3,593.49	3,531.49	3,531.49	30.76	60.69	78.78	-4,236.75	5,693.42	6,616.41	6,525.69	90.72	72.931		
4,100.00	3,674.13	3,612.13	3,612.13	31.97	62.10	79.19	-4,236.75	5,693.42	6,602.54	6,509.18	93.36	70.723		
4,200.00	3,754.77	3,707.23	3,692.77	33.19	63.76	79.61	-4,236.75	5,693.42	6,589.17	6,492.92	96.25	68.458		
4,300.00	3,835.41	3,773.41	3,773.41	34.40	64.92	80.02	-4,236.75	5,693.42	6,576.30	6,477.66	98.64	66.666		
4,400.00	3,916.05	3,854.05	3,854.05	35.62	66.32	80.43	-4,236.75	5,693.42	6,563.95	6,462.65	101.29	64.801		
4,500.00	3,996.69	3,934.69	3,934.69	36.83	67.73	80.84	-4,236.75	5,693.42	6,552.10	6,448.15	103.95	63.033		
4,600.00	4,077.33	4,015.33	4,015.33	38.05	69.14	81.26	-4,236.75	5,693.42	6,540.77	6,434.17	106.60	61.357		
4,700.00	4,157.96	4,104.04	4,095.96	39.27	70.69	81.68	-4,236.75	5,693.42	6,529.95	6,420.55	109.40	59.688		
4,800.00	4,238.60	4,176.60	4,176.60	40.49	71.95	82.09	-4,236.75	5,693.42	6,519.65	6,407.73	111.92	58.252		
4,900.00	4,319.24	4,257.24	4,257.24	41.71	73.36	82.51	-4,236.75	5,693.42	6,509.87	6,395.29	114.58	56.814		
5,000.00	4,399.88	4,337.88	4,337.88	42.93	74.77	82.93	-4,236.75	5,693.42	6,500.62	6,383.37	117.25	55.444		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - SI VERT SHANNON-ROBERTS OWP 1-A - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,480.52	4,418.52	4,418.52	44.15	76.18	83.35	-4,236.75	5,693.42	6,491.89	6,371.98	119.91	54.139		
5,200.00	4,561.16	4,500.84	4,499.16	45.37	77.61	83.77	-4,236.75	5,693.42	6,483.69	6,361.08	122.61	52.882		
5,300.00	4,641.80	4,579.80	4,579.80	46.59	78.99	84.19	-4,236.75	5,693.42	6,476.02	6,350.77	125.24	51.707		
5,400.00	4,722.44	4,660.44	4,660.44	47.82	80.40	84.61	-4,236.75	5,693.42	6,468.88	6,340.97	127.91	50.574		
5,500.00	4,803.08	4,741.08	4,741.08	49.04	81.80	85.03	-4,236.75	5,693.42	6,462.27	6,331.69	130.58	49.490		
5,600.00	4,883.72	4,821.72	4,821.72	50.27	83.21	85.45	-4,236.75	5,693.42	6,456.20	6,322.96	133.24	48.455		
5,700.00	4,964.36	4,902.36	4,902.36	51.49	84.62	85.88	-4,236.75	5,693.42	6,450.66	6,314.76	135.91	47.464		
5,800.00	5,045.00	4,983.00	4,983.00	52.71	86.03	86.30	-4,236.75	5,693.42	6,445.67	6,307.10	138.57	46.515		
5,900.00	5,125.64	5,063.64	5,063.64	53.94	87.43	86.72	-4,236.75	5,693.42	6,441.21	6,299.97	141.23	45.607		
6,000.00	5,206.28	5,144.28	5,144.28	55.17	88.84	87.15	-4,236.75	5,693.42	6,437.29	6,293.40	143.89	44.736		
6,100.00	5,286.92	5,224.92	5,224.92	56.39	90.25	87.57	-4,236.75	5,693.42	6,433.91	6,287.36	146.55	43.901		
6,200.00	5,367.56	5,305.56	5,305.56	57.62	91.66	88.00	-4,236.75	5,693.42	6,431.08	6,281.87	149.21	43.101		
6,300.00	5,448.20	5,386.20	5,386.20	58.84	93.06	88.42	-4,236.75	5,693.42	6,428.79	6,276.92	151.86	42.333		
6,400.00	5,528.84	5,400.00	5,400.00	60.07	93.31	88.49	-4,236.75	5,693.42	6,427.39	6,274.05	153.34	41.916		
6,441.02	5,561.91	5,400.00	5,400.00	60.57	93.31	88.49	-4,236.75	5,693.42	6,427.25	6,273.42	153.84	41.780		
6,500.00	5,609.47	5,400.00	5,400.00	61.30	93.31	88.49	-4,236.75	5,693.42	6,427.53	6,272.98	154.55	41.590		
6,600.00	5,690.11	5,400.00	5,400.00	62.53	93.31	88.49	-4,236.75	5,693.42	6,429.22	6,273.50	155.72	41.286		
6,700.00	5,770.75	5,400.00	5,400.00	63.75	93.31	88.49	-4,236.75	5,693.42	6,432.47	6,275.60	156.87	41.005		
6,800.00	5,851.39	5,400.00	5,400.00	64.98	93.31	88.49	-4,236.75	5,693.42	6,437.27	6,279.28	157.99	40.745		
6,900.00	5,932.03	5,400.00	5,400.00	66.21	93.31	88.49	-4,236.75	5,693.42	6,443.62	6,284.55	159.08	40.507		
7,000.00	6,012.67	5,400.00	5,400.00	67.44	93.31	88.49	-4,236.75	5,693.42	6,451.52	6,291.38	160.13	40.289		
7,100.00	6,093.31	5,400.00	5,400.00	68.66	93.31	88.49	-4,236.75	5,693.42	6,460.95	6,299.79	161.16	40.092		
7,200.00	6,173.95	5,400.00	5,400.00	69.89	93.31	88.49	-4,236.75	5,693.42	6,471.91	6,309.77	162.15	39.914		
7,300.00	6,254.59	5,400.00	5,400.00	71.12	93.31	88.49	-4,236.75	5,693.42	6,484.40	6,321.30	163.10	39.756		
7,400.00	6,335.23	5,400.00	5,400.00	72.35	93.31	88.49	-4,236.75	5,693.42	6,498.40	6,334.37	164.03	39.617		
7,500.00	6,415.87	5,400.00	5,400.00	73.58	93.31	88.49	-4,236.75	5,693.42	6,513.91	6,348.99	164.92	39.497		
7,600.00	6,496.51	5,400.00	5,400.00	74.81	93.31	88.49	-4,236.75	5,693.42	6,530.91	6,365.13	165.78	39.395		
7,700.00	6,577.15	5,400.00	5,400.00	76.04	93.31	88.49	-4,236.75	5,693.42	6,549.40	6,382.79	166.61	39.310		
7,800.00	6,657.79	5,400.00	5,400.00	77.27	93.31	88.49	-4,236.75	5,693.42	6,569.35	6,401.96	167.40	39.243		
7,900.00	6,738.43	5,400.00	5,400.00	78.50	93.31	88.49	-4,236.75	5,693.42	6,590.77	6,422.61	168.16	39.194		
8,000.00	6,819.07	5,400.00	5,400.00	79.73	93.31	88.49	-4,236.75	5,693.42	6,613.62	6,444.74	168.89	39.160		
8,100.00	6,899.71	5,400.00	5,400.00	80.96	93.31	88.49	-4,236.75	5,693.42	6,637.91	6,468.33	169.58	39.143		
8,200.00	6,980.35	5,400.00	5,400.00	82.18	93.31	88.49	-4,236.75	5,693.42	6,663.60	6,493.36	170.24	39.142		
8,240.58	7,013.07	5,400.00	5,400.00	82.68	93.31	88.49	-4,236.75	5,693.42	6,674.43	6,503.93	170.50	39.146		
8,250.00	7,020.68	5,400.00	5,400.00	82.80	93.31	87.41	-4,236.75	5,693.42	6,676.91	6,506.35	170.56	39.147		
8,300.00	7,061.63	5,400.00	5,400.00	83.40	93.31	81.15	-4,236.75	5,693.42	6,687.99	6,517.13	170.86	39.144		
8,350.00	7,103.23	5,400.00	5,400.00	83.97	93.31	74.13	-4,236.75	5,693.42	6,695.53	6,524.41	171.12	39.128		
8,400.00	7,145.18	5,400.00	5,400.00	84.51	93.31	66.61	-4,236.75	5,693.42	6,699.48	6,528.14	171.35	39.099		
8,450.00	7,187.16	5,400.00	5,400.00	85.01	93.31	58.91	-4,236.75	5,693.42	6,699.83	6,528.30	171.54	39.058		
8,500.00	7,228.84	5,400.00	5,400.00	85.46	93.31	51.37	-4,236.75	5,693.42	6,696.57	6,524.89	171.68	39.007		
8,550.00	7,269.91	5,400.00	5,400.00	85.86	93.31	44.24	-4,236.75	5,693.42	6,689.72	6,517.95	171.77	38.945		
8,600.00	7,310.05	5,400.00	5,400.00	86.20	93.31	37.67	-4,236.75	5,693.42	6,679.32	6,507.50	171.82	38.874		
8,650.00	7,348.97	5,400.00	5,400.00	86.50	93.31	31.69	-4,236.75	5,693.42	6,665.43	6,493.61	171.82	38.794		
8,700.00	7,386.36	5,400.00	5,400.00	86.74	93.31	26.28	-4,236.75	5,693.42	6,648.14	6,476.37	171.77	38.704		
8,750.00	7,421.94	5,400.00	5,400.00	86.93	93.31	21.35	-4,236.75	5,693.42	6,627.56	6,455.88	171.67	38.605		
8,800.00	7,455.44	5,400.00	5,400.00	87.07	93.31	16.78	-4,236.75	5,693.42	6,603.80	6,432.26	171.54	38.498		
8,850.00	7,486.61	5,400.00	5,400.00	87.16	93.31	12.46	-4,236.75	5,693.42	6,577.02	6,405.66	171.36	38.381		
8,900.00	7,515.20	5,400.00	5,400.00	87.20	93.31	8.25	-4,236.75	5,693.42	6,547.39	6,376.24	171.15	38.255		
8,950.00	7,541.00	5,400.00	5,400.00	87.21	93.31	4.03	-4,236.75	5,693.42	6,515.09	6,344.18	170.91	38.121		
9,000.00	7,563.81	5,400.00	5,400.00	87.17	93.31	-0.37	-4,236.75	5,693.42	6,480.33	6,309.69	170.64	37.977		
9,050.00	7,583.47	5,400.00	5,400.00	87.10	93.31	-5.08	-4,236.75	5,693.42	6,443.34	6,272.99	170.35	37.824		
9,100.00	7,599.81	5,400.00	5,400.00	87.00	93.31	-10.30	-4,236.75	5,693.42	6,404.37	6,234.32	170.04	37.663		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - SI VERT SHANNON-ROBERTS OWP 1-A - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,150.00	7,612.72	5,400.00	5,400.00	86.88	93.31	-16.20	-4,236.75	5,693.42	6,363.67	6,193.94	169.73	37.493		
9,200.00	7,622.09	5,400.00	5,400.00	86.72	93.31	-23.00	-4,236.75	5,693.42	6,321.53	6,152.12	169.41	37.314		
9,250.00	7,627.87	5,400.00	5,400.00	86.55	93.31	-30.80	-4,236.75	5,693.42	6,278.24	6,109.14	169.10	37.128		
9,303.98	7,630.00	5,400.00	5,400.00	86.35	93.31	-40.36	-4,236.75	5,693.42	6,230.58	6,061.81	168.76	36.919		
9,400.00	7,630.00	5,400.00	5,400.00	85.99	93.31	-40.36	-4,236.75	5,693.42	6,145.30	5,977.13	168.17	36.541		
9,500.00	7,630.00	5,400.00	5,400.00	85.62	93.31	-40.36	-4,236.75	5,693.42	6,056.84	5,889.30	167.54	36.151		
9,600.00	7,630.00	5,400.00	5,400.00	85.28	93.31	-40.36	-4,236.75	5,693.42	5,968.75	5,801.85	166.89	35.764		
9,700.00	7,630.00	5,400.00	5,400.00	84.95	93.31	-40.36	-4,236.75	5,693.42	5,881.03	5,714.81	166.23	35.380		
9,800.00	7,630.00	5,400.00	5,400.00	84.64	93.31	-40.36	-4,236.75	5,693.42	5,793.72	5,628.17	165.54	34.999		
9,900.00	7,630.00	5,400.00	5,400.00	84.34	93.31	-40.36	-4,236.75	5,693.42	5,706.81	5,541.98	164.83	34.621		
10,000.00	7,630.00	5,400.00	5,400.00	84.06	93.31	-40.36	-4,236.75	5,693.42	5,620.35	5,456.24	164.11	34.248		
10,100.00	7,630.00	5,400.00	5,400.00	83.80	93.31	-40.36	-4,236.75	5,693.42	5,534.34	5,370.97	163.36	33.877		
10,200.00	7,630.00	5,400.00	5,400.00	83.56	93.31	-40.36	-4,236.75	5,693.42	5,448.81	5,286.21	162.60	33.511		
10,300.00	7,630.00	5,400.00	5,400.00	83.33	93.31	-40.36	-4,236.75	5,693.42	5,363.78	5,201.96	161.81	33.148		
10,400.00	7,630.00	5,400.00	5,400.00	83.12	93.31	-40.36	-4,236.75	5,693.42	5,279.27	5,118.27	161.00	32.790		
10,500.00	7,630.00	5,400.00	5,400.00	82.92	93.31	-40.36	-4,236.75	5,693.42	5,195.31	5,035.14	160.17	32.435		
10,600.00	7,630.00	5,400.00	5,400.00	82.75	93.31	-40.36	-4,236.75	5,693.42	5,111.93	4,952.61	159.32	32.085		
10,700.00	7,630.00	5,400.00	5,400.00	82.59	93.31	-40.36	-4,236.75	5,693.42	5,029.16	4,870.71	158.45	31.739		
10,800.00	7,630.00	5,400.00	5,400.00	82.45	93.31	-40.36	-4,236.75	5,693.42	4,947.02	4,789.47	157.56	31.398		
10,900.00	7,630.00	5,400.00	5,400.00	82.33	93.31	-40.36	-4,236.75	5,693.42	4,865.56	4,708.91	156.64	31.061		
11,000.00	7,630.00	5,400.00	5,400.00	82.22	93.31	-40.36	-4,236.75	5,693.42	4,784.79	4,629.08	155.71	30.729		
11,100.00	7,630.00	5,400.00	5,400.00	82.14	93.31	-40.36	-4,236.75	5,693.42	4,704.77	4,550.01	154.75	30.401		
11,200.00	7,630.00	5,400.00	5,400.00	82.08	93.31	-40.36	-4,236.75	5,693.42	4,625.52	4,471.74	153.78	30.079		
11,300.00	7,630.00	5,400.00	5,400.00	82.04	93.31	-40.36	-4,236.75	5,693.42	4,547.09	4,394.30	152.79	29.761		
11,400.00	7,630.00	5,400.00	5,400.00	82.02	93.31	-40.36	-4,236.75	5,693.42	4,469.52	4,317.74	151.78	29.447		
11,500.00	7,630.00	5,400.00	5,400.00	82.03	93.31	-40.36	-4,236.75	5,693.42	4,392.86	4,242.10	150.76	29.138		
11,600.00	7,630.00	5,400.00	5,400.00	82.06	93.31	-40.36	-4,236.75	5,693.42	4,317.15	4,167.43	149.72	28.834		
11,700.00	7,630.00	5,400.00	5,400.00	82.12	93.31	-40.36	-4,236.75	5,693.42	4,242.45	4,093.77	148.68	28.534		
11,800.00	7,630.00	5,400.00	5,400.00	82.21	93.31	-40.36	-4,236.75	5,693.42	4,168.81	4,021.18	147.63	28.238		
11,900.00	7,630.00	5,400.00	5,400.00	82.33	93.31	-40.36	-4,236.75	5,693.42	4,096.28	3,949.71	146.58	27.946		
12,000.00	7,630.00	5,400.00	5,400.00	82.48	93.31	-40.36	-4,236.75	5,693.42	4,024.94	3,879.41	145.53	27.658		
12,100.00	7,630.00	5,400.00	5,400.00	82.66	93.31	-40.36	-4,236.75	5,693.42	3,954.84	3,810.35	144.49	27.372		
12,200.00	7,630.00	5,400.00	5,400.00	82.88	93.31	-40.36	-4,236.75	5,693.42	3,886.04	3,742.58	143.46	27.088		
12,300.00	7,630.00	5,400.00	5,400.00	83.14	93.31	-40.36	-4,236.75	5,693.42	3,818.63	3,676.17	142.45	26.806		
12,400.00	7,630.00	5,400.00	5,400.00	83.44	93.31	-40.36	-4,236.75	5,693.42	3,752.67	3,611.19	141.48	26.525		
12,500.00	7,630.00	5,400.00	5,400.00	83.79	93.31	-40.36	-4,236.75	5,693.42	3,688.24	3,547.70	140.54	26.244		
12,600.00	7,630.00	5,400.00	5,400.00	84.18	93.31	-40.36	-4,236.75	5,693.42	3,625.42	3,485.78	139.64	25.962		
12,700.00	7,630.00	5,400.00	5,400.00	84.61	93.31	-40.36	-4,236.75	5,693.42	3,564.31	3,425.50	138.81	25.678		
12,800.00	7,630.00	5,400.00	5,400.00	85.10	93.31	-40.36	-4,236.75	5,693.42	3,504.98	3,366.94	138.04	25.392		
12,900.00	7,630.00	5,400.00	5,400.00	85.64	93.31	-40.36	-4,236.75	5,693.42	3,447.53	3,310.18	137.35	25.101		
13,000.00	7,630.00	5,400.00	5,400.00	86.22	93.31	-40.36	-4,236.75	5,693.42	3,392.06	3,255.31	136.75	24.805		
13,100.00	7,630.00	5,400.00	5,400.00	86.86	93.31	-40.36	-4,236.75	5,693.42	3,338.66	3,202.41	136.25	24.503		
13,200.00	7,630.00	5,400.00	5,400.00	87.56	93.31	-40.36	-4,236.75	5,693.42	3,287.44	3,151.56	135.87	24.195		
13,300.00	7,630.00	5,400.00	5,400.00	88.30	93.31	-40.36	-4,236.75	5,693.42	3,238.49	3,102.87	135.62	23.879		
13,400.00	7,630.00	5,400.00	5,400.00	89.10	93.31	-40.36	-4,236.75	5,693.42	3,191.93	3,056.43	135.50	23.556		
13,500.00	7,630.00	5,400.00	5,400.00	89.94	93.31	-40.36	-4,236.75	5,693.42	3,147.86	3,012.33	135.53	23.226		
13,600.00	7,630.00	5,400.00	5,400.00	90.84	93.31	-40.36	-4,236.75	5,693.42	3,106.38	2,970.66	135.72	22.889		
13,700.00	7,630.00	5,400.00	5,400.00	91.78	93.31	-40.36	-4,236.75	5,693.42	3,067.60	2,931.54	136.07	22.545		
13,800.00	7,630.00	5,400.00	5,400.00	92.77	93.31	-40.36	-4,236.75	5,693.42	3,031.63	2,895.05	136.58	22.196		
13,900.00	7,630.00	5,400.00	5,400.00	93.79	93.31	-40.36	-4,236.75	5,693.42	2,998.56	2,861.29	137.27	21.844		
14,000.00	7,630.00	5,400.00	5,400.00	94.86	93.31	-40.36	-4,236.75	5,693.42	2,968.50	2,830.36	138.14	21.489		
14,100.00	7,630.00	5,400.00	5,400.00	95.97	93.31	-40.36	-4,236.75	5,693.42	2,941.52	2,802.34	139.18	21.135		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 26-T1N-R68W - SI VERT SHANNON-ROBERTS OWP 1-A - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,630.00	5,400.00	5,400.00	97.11	93.31	-40.36	-4,236.75	5,693.42	2,917.73	2,777.34	140.39	20.783		
14,300.00	7,630.00	5,400.00	5,400.00	98.28	93.31	-40.36	-4,236.75	5,693.42	2,897.20	2,755.43	141.77	20.436		
14,400.00	7,630.00	5,400.00	5,400.00	99.48	93.31	-40.36	-4,236.75	5,693.42	2,879.99	2,736.68	143.31	20.096		
14,500.00	7,630.00	5,400.00	5,400.00	100.72	93.31	-40.36	-4,236.75	5,693.42	2,866.17	2,721.16	145.01	19.765		
14,600.00	7,630.00	5,400.00	5,400.00	101.97	93.31	-40.36	-4,236.75	5,693.42	2,855.79	2,708.93	146.85	19.447		
14,700.00	7,630.00	5,400.00	5,400.00	103.26	93.31	-40.36	-4,236.75	5,693.42	2,848.88	2,700.05	148.83	19.142		
14,800.00	7,630.00	5,400.00	5,400.00	104.56	93.31	-40.36	-4,236.75	5,693.42	2,845.47	2,694.55	150.92	18.854		
14,847.04	7,630.00	5,400.00	5,400.00	105.18	93.31	-40.36	-4,236.75	5,693.42	2,845.08	2,693.14	151.94	18.725 CC		
14,900.00	7,630.00	5,400.00	5,400.00	105.89	93.31	-40.36	-4,236.75	5,693.42	2,845.57	2,692.45	153.12	18.584 ES		
15,000.00	7,630.00	5,400.00	5,400.00	107.24	93.31	-40.36	-4,236.75	5,693.42	2,849.19	2,693.78	155.41	18.334		
15,100.00	7,630.00	5,400.00	5,400.00	108.60	93.31	-40.36	-4,236.75	5,693.42	2,856.30	2,698.54	157.76	18.105		
15,200.00	7,630.00	5,400.00	5,400.00	109.98	93.31	-40.36	-4,236.75	5,693.42	2,866.89	2,706.71	160.18	17.898		
15,300.00	7,630.00	5,400.00	5,400.00	111.38	93.31	-40.36	-4,236.75	5,693.42	2,880.91	2,718.29	162.62	17.715		
15,400.00	7,630.00	5,400.00	5,400.00	112.79	93.31	-40.36	-4,236.75	5,693.42	2,898.32	2,733.23	165.09	17.556		
15,500.00	7,630.00	5,400.00	5,400.00	114.22	93.31	-40.36	-4,236.75	5,693.42	2,919.05	2,751.49	167.56	17.421		
15,600.00	7,630.00	5,400.00	5,400.00	115.66	93.31	-40.36	-4,236.75	5,693.42	2,943.03	2,773.02	170.01	17.311		
15,700.00	7,630.00	5,400.00	5,400.00	117.11	93.31	-40.36	-4,236.75	5,693.42	2,970.19	2,797.76	172.43	17.226		
15,800.00	7,630.00	5,400.00	5,400.00	118.57	93.31	-40.36	-4,236.75	5,693.42	3,000.43	2,825.63	174.81	17.164		
15,900.00	7,630.00	5,400.00	5,400.00	120.05	93.31	-40.36	-4,236.75	5,693.42	3,033.68	2,856.55	177.13	17.127		
16,000.00	7,630.00	5,400.00	5,400.00	121.53	93.31	-40.36	-4,236.75	5,693.42	3,069.82	2,890.44	179.38	17.113 SF		
16,100.00	7,630.00	5,400.00	5,400.00	123.03	93.31	-40.36	-4,236.75	5,693.42	3,108.76	2,927.19	181.56	17.122		
16,200.00	7,630.00	5,400.00	5,400.00	124.53	93.31	-40.36	-4,236.75	5,693.42	3,150.39	2,966.73	183.66	17.153		
16,300.00	7,630.00	5,400.00	5,400.00	126.04	93.31	-40.36	-4,236.75	5,693.42	3,194.61	3,008.94	185.68	17.205		
16,400.00	7,630.00	5,400.00	5,400.00	127.56	93.31	-40.36	-4,236.75	5,693.42	3,241.32	3,053.72	187.60	17.278		
16,500.00	7,630.00	5,400.00	5,400.00	129.09	93.31	-40.36	-4,236.75	5,693.42	3,290.40	3,100.97	189.43	17.370		
16,600.00	7,630.00	5,400.00	5,400.00	130.62	93.31	-40.36	-4,236.75	5,693.42	3,341.76	3,150.59	191.17	17.481		
16,700.00	7,630.00	5,400.00	5,400.00	132.16	93.31	-40.36	-4,236.75	5,693.42	3,395.28	3,202.47	192.82	17.609		
16,800.00	7,630.00	5,400.00	5,400.00	133.71	93.31	-40.36	-4,236.75	5,693.42	3,450.87	3,256.50	194.37	17.754		
16,900.00	7,630.00	5,400.00	5,400.00	135.27	93.31	-40.36	-4,236.75	5,693.42	3,508.43	3,312.60	195.83	17.916		
17,000.00	7,630.00	5,400.00	5,400.00	136.83	93.31	-40.36	-4,236.75	5,693.42	3,567.87	3,370.66	197.21	18.092		
17,100.00	7,630.00	5,400.00	5,400.00	138.39	93.31	-40.36	-4,236.75	5,693.42	3,629.09	3,430.59	198.50	18.283		
17,200.00	7,630.00	5,400.00	5,400.00	139.97	93.31	-40.36	-4,236.75	5,693.42	3,692.00	3,492.30	199.71	18.487		
17,300.00	7,630.00	5,400.00	5,400.00	141.54	93.31	-40.36	-4,236.75	5,693.42	3,756.52	3,555.69	200.84	18.705		
17,400.00	7,630.00	5,400.00	5,400.00	143.12	93.31	-40.36	-4,236.75	5,693.42	3,822.57	3,620.68	201.89	18.934		
17,500.00	7,630.00	5,400.00	5,400.00	144.71	93.31	-40.36	-4,236.75	5,693.42	3,890.07	3,687.20	202.87	19.175		
17,600.00	7,630.00	5,400.00	5,400.00	146.30	93.31	-40.36	-4,236.75	5,693.42	3,958.95	3,755.16	203.79	19.427		
17,700.00	7,630.00	5,400.00	5,400.00	147.90	93.31	-40.36	-4,236.75	5,693.42	4,029.12	3,824.48	204.64	19.689		
17,800.00	7,630.00	5,400.00	5,400.00	149.50	93.31	-40.36	-4,236.75	5,693.42	4,100.54	3,895.10	205.44	19.960		
17,900.00	7,630.00	5,400.00	5,400.00	151.10	93.31	-40.36	-4,236.75	5,693.42	4,173.13	3,966.96	206.17	20.241		
18,000.00	7,630.00	5,400.00	5,400.00	152.71	93.31	-40.36	-4,236.75	5,693.42	4,246.84	4,039.98	206.86	20.530		
18,100.00	7,630.00	5,400.00	5,400.00	154.32	93.31	-40.36	-4,236.75	5,693.42	4,321.60	4,114.11	207.49	20.828		
18,200.00	7,630.00	5,400.00	5,400.00	155.94	93.31	-40.36	-4,236.75	5,693.42	4,397.36	4,189.29	208.08	21.133		
18,300.00	7,630.00	5,400.00	5,400.00	157.56	93.31	-40.36	-4,236.75	5,693.42	4,474.08	4,265.46	208.62	21.446		
18,400.00	7,630.00	5,400.00	5,400.00	159.18	93.31	-40.36	-4,236.75	5,693.42	4,551.70	4,342.58	209.12	21.766		
18,500.00	7,630.00	5,400.00	5,400.00	160.80	93.31	-40.36	-4,236.75	5,693.42	4,630.18	4,420.59	209.59	22.092		
18,600.00	7,630.00	5,400.00	5,400.00	162.43	93.31	-40.36	-4,236.75	5,693.42	4,709.48	4,499.46	210.02	22.424		
18,700.00	7,630.00	5,400.00	5,400.00	164.06	93.31	-40.36	-4,236.75	5,693.42	4,789.55	4,579.13	210.42	22.762		
18,800.00	7,630.00	5,400.00	5,400.00	165.70	93.31	-40.36	-4,236.75	5,693.42	4,870.35	4,659.57	210.78	23.106		
18,900.00	7,630.00	5,400.00	5,400.00	167.33	93.31	-40.36	-4,236.75	5,693.42	4,951.86	4,740.74	211.12	23.455		
19,000.00	7,630.00	5,400.00	5,400.00	168.97	93.31	-40.36	-4,236.75	5,693.42	5,034.04	4,822.60	211.43	23.809		
19,021.79	7,630.00	5,400.00	5,400.00	169.33	93.31	-40.36	-4,236.75	5,693.42	5,052.03	4,840.53	211.50	23.887		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



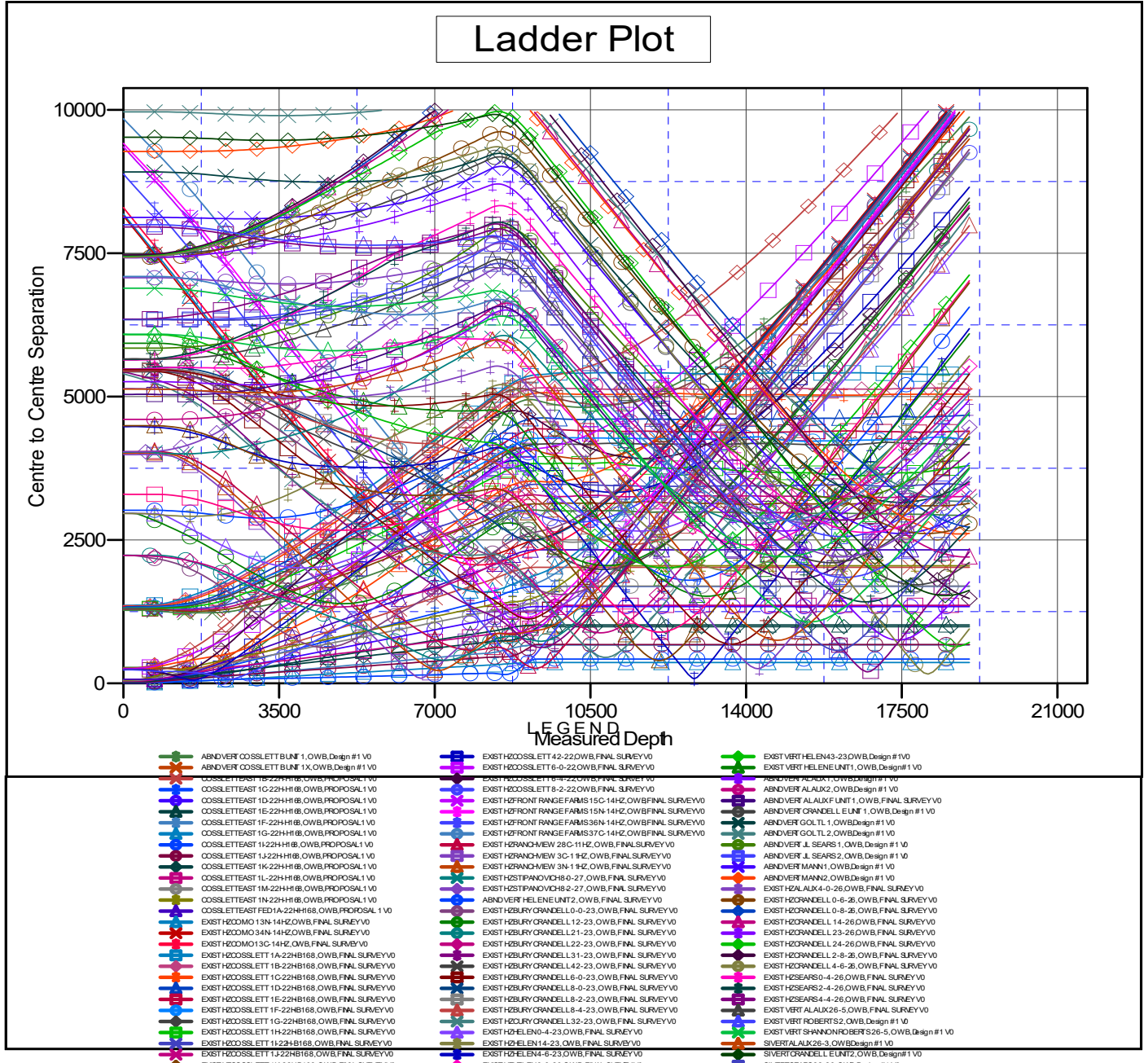
## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Coordinates are relative to: COSSLETT EAST 1H-22H-H168

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.33°

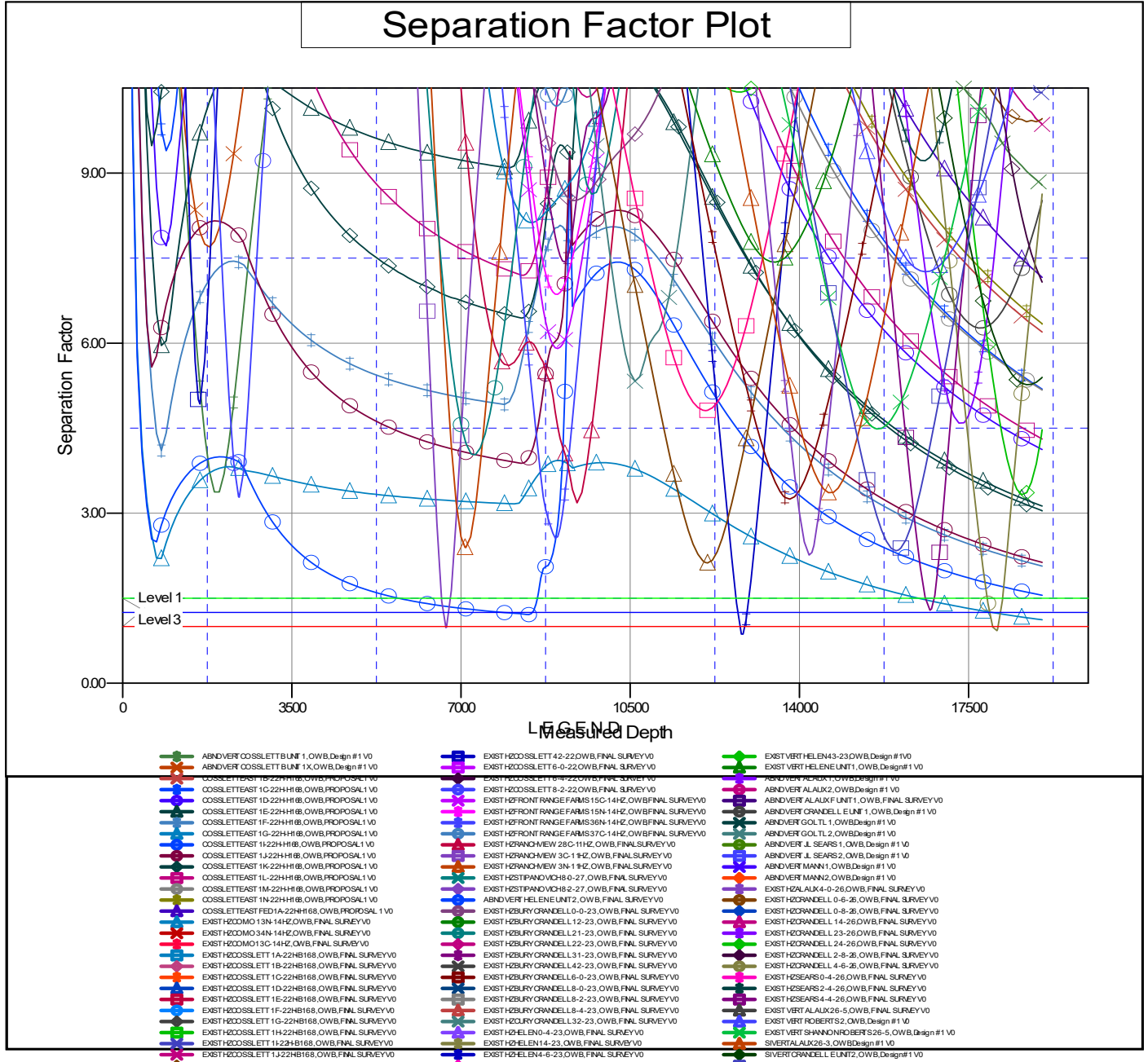


CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1H-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5207.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5207.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1H-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Grid Convergence at Surface is:  $0.33^\circ$



CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation