

# **CRESTONE PEAK RESOURCES**

**WELD COUNTY**

**SEC 22-T1N-R68W**

**COSSLETT EAST 1D-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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<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	18,458.39	PROPOSAL 1 (OWB)	MWD OWSG	OWSG MWD - Standard

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						
ABND VERT COSSLETT B UNIT 1 - OWB - Design #1	2,415.49	2,353.75	58.58	8.70	1.174	Level 2, CC, ES, SF
ABND VERT COSSLETT B UNIT 1X - OWB - Design #1	2,044.92	2,012.88	205.87	164.21	4.941	CC
ABND VERT COSSLETT B UNIT 1X - OWB - Design #1	2,100.00	2,064.82	206.69	163.84	4.823	ES
ABND VERT COSSLETT B UNIT 1X - OWB - Design #1	2,200.00	2,158.17	212.88	167.89	4.731	SF
COSSLETT EAST 1B-22H-H168 - OWB - PROPOSAL 1	1,100.00	1,100.00	19.88	12.45	2.673	CC, ES
COSSLETT EAST 1B-22H-H168 - OWB - PROPOSAL 1	18,458.39	18,452.39	711.68	392.96	2.233	SF
COSSLETT EAST 1C-22H-H168 - OWB - PROPOSAL 1	1,100.00	1,100.00	10.08	2.64	1.355	Level 3, CC, ES
COSSLETT EAST 1C-22H-H168 - OWB - PROPOSAL 1	18,458.39	18,424.63	364.12	41.87	1.130	Level 2, SF
COSSLETT EAST 1E-22H-H168 - OWB - PROPOSAL 1	1,000.00	1,000.00	10.08	3.36	1.500	Level 3, CC, ES, SF
COSSLETT EAST 1F-22H-H168 - OWB - PROPOSAL 1	900.00	900.00	19.88	13.88	3.311	CC, ES
COSSLETT EAST 1F-22H-H168 - OWB - PROPOSAL 1	18,458.39	18,599.00	686.30	361.35	2.112	SF
COSSLETT EAST 1G-22H-H168 - OWB - PROPOSAL 1	800.00	799.00	29.96	24.68	5.670	CC, ES
COSSLETT EAST 1G-22H-H168 - OWB - PROPOSAL 1	18,458.39	18,946.22	994.72	673.23	3.094	SF
COSSLETT EAST 1H-22H-H168 - OWB - PROPOSAL 1	700.00	699.00	40.04	35.48	8.768	CC, ES
COSSLETT EAST 1H-22H-H168 - OWB - PROPOSAL 1	18,458.39	19,021.79	1,339.71	1,014.40	4.118	SF
COSSLETT EAST 1I-22H-H168 - OWB - PROPOSAL 1	600.00	599.00	49.84	45.99	12.946	CC, ES
COSSLETT EAST 1I-22H-H168 - OWB - PROPOSAL 1	18,458.39	19,390.53	1,706.64	1,387.32	5.345	SF
COSSLETT EAST 1J-22H-H168 - OWB - PROPOSAL 1	500.00	498.00	59.92	56.79	19.148	CC, ES
COSSLETT EAST 1J-22H-H168 - OWB - PROPOSAL 1	18,458.39	19,430.54	2,012.01	1,688.21	6.214	SF
COSSLETT EAST 1K-22H-H168 - OWB - PROPOSAL 1	400.00	398.00	70.00	67.59	29.016	CC, ES
COSSLETT EAST 1K-22H-H168 - OWB - PROPOSAL 1	18,458.39	19,518.56	2,329.29	2,003.74	7.155	SF
COSSLETT EAST 1L-22H-H168 - OWB - PROPOSAL 1	300.00	298.00	80.08	78.39	47.230	CC, ES
COSSLETT EAST 1L-22H-H168 - OWB - PROPOSAL 1	18,458.39	19,889.26	2,690.32	2,368.11	8.349	SF
COSSLETT EAST 1M-22H-H168 - OWB - PROPOSAL 1	200.00	198.00	89.88	88.90	91.845	CC, ES
COSSLETT EAST 1M-22H-H168 - OWB - PROPOSAL 1	18,458.39	19,796.12	3,032.87	2,705.79	9.273	SF
COSSLETT EAST 1N-22H-H168 - OWB - PROPOSAL 1	100.00	98.00	99.96	99.70	375.569	CC, ES
COSSLETT EAST 1N-22H-H168 - OWB - PROPOSAL 1	18,458.39	20,184.95	3,390.71	3,065.73	10.434	SF
COSSLETT EAST FED 1A-22H-H168 - OWB - PROPOS	1,100.00	1,100.00	30.24	22.80	4.066	CC, ES
COSSLETT EAST FED 1A-22H-H168 - OWB - PROPOS	18,458.39	18,149.85	989.86	664.27	3.040	SF
EXIST HZ COMO 13N-14HZ - OWB - FINAL SURVEY	8,289.58	16,236.00	502.17	317.61	2.721	CC
EXIST HZ COMO 13N-14HZ - OWB - FINAL SURVEY	8,350.00	16,236.00	506.45	315.55	2.653	ES, SF
EXIST HZ COMO 34N-14HZ - OWB - FINAL SURVEY	8,180.95	16,659.00	1,106.07	912.84	5.724	CC
EXIST HZ COMO 34N-14HZ - OWB - FINAL SURVEY	8,250.00	16,659.00	1,108.24	910.99	5.619	ES
EXIST HZ COMO 34N-14HZ - OWB - FINAL SURVEY	8,400.00	16,659.00	1,127.47	924.11	5.544	SF
EXIST HZ COMO13C-14HZ - OWB - FINAL SURVEY	8,313.41	16,530.00	972.15	783.90	5.164	CC
EXIST HZ COMO13C-14HZ - OWB - FINAL SURVEY	8,350.00	16,530.00	972.98	782.42	5.106	ES
EXIST HZ COMO13C-14HZ - OWB - FINAL SURVEY	8,450.00	16,530.00	983.61	788.39	5.039	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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<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 1A-22H-B168 - OWB - FINAL SU	0.00	0.00	1,329.03			
EXIST HZ COSSLETT 1A-22H-B168 - OWB - FINAL SU	200.00	178.99	1,329.61	1,328.84	1,717.838	ES
EXIST HZ COSSLETT 1A-22H-B168 - OWB - FINAL SU	18,458.39	17,546.00	4,057.50	3,725.95	12.238	SF
EXIST HZ COSSLETT 1B-22H-B168 - OWB - FINAL SU	543.43	536.89	1,318.92	1,315.57	393.413	CC, ES
EXIST HZ COSSLETT 1B-22H-B168 - OWB - FINAL SU	18,458.39	17,340.00	3,793.67	3,461.42	11.418	SF
EXIST HZ COSSLETT 1C-22H-B168 - OWB - FINAL SU	294.88	283.89	1,312.56	1,311.07	880.228	CC
EXIST HZ COSSLETT 1C-22H-B168 - OWB - FINAL SU	600.00	583.67	1,313.06	1,309.42	360.898	ES
EXIST HZ COSSLETT 1C-22H-B168 - OWB - FINAL SU	18,458.39	17,471.00	3,700.57	3,367.99	11.127	SF
EXIST HZ COSSLETT 1D-22H-B168 - OWB - FINAL SU	100.00	88.01	1,304.99	1,304.71	4,647.930	CC
EXIST HZ COSSLETT 1D-22H-B168 - OWB - FINAL SU	400.00	381.99	1,305.67	1,303.70	663.473	ES
EXIST HZ COSSLETT 1D-22H-B168 - OWB - FINAL SU	18,458.39	17,460.79	3,337.71	3,006.66	10.082	SF
EXIST HZ COSSLETT 1E-22H-B168 - OWB - FINAL SU	623.33	617.01	1,265.48	1,262.93	496.713	CC
EXIST HZ COSSLETT 1E-22H-B168 - OWB - FINAL SU	700.00	678.35	1,265.87	1,262.78	410.467	ES
EXIST HZ COSSLETT 1E-22H-B168 - OWB - FINAL SU	18,458.39	17,384.41	3,060.10	2,730.60	9.287	SF
EXIST HZ COSSLETT 1F-22H-B168 - OWB - FINAL SU	100.00	88.53	1,288.72	1,288.45	4,649.255	CC
EXIST HZ COSSLETT 1F-22H-B168 - OWB - FINAL SU	400.00	379.42	1,289.48	1,287.37	610.200	ES
EXIST HZ COSSLETT 1F-22H-B168 - OWB - FINAL SU	18,458.39	17,796.00	2,928.71	2,596.18	8.807	SF
EXIST HZ COSSLETT 1G-22H-B168 - OWB - FINAL SU	100.00	87.77	1,280.96	1,280.68	4,567.851	CC
EXIST HZ COSSLETT 1G-22H-B168 - OWB - FINAL SU	1,315.44	1,324.54	1,281.34	1,272.71	148.430	ES
EXIST HZ COSSLETT 1G-22H-B168 - OWB - FINAL SU	18,458.39	17,487.00	2,821.49	2,488.70	8.478	SF
EXIST HZ COSSLETT 1H-22H-B168 - OWB - FINAL SU	1,484.65	1,506.69	1,265.71	1,255.22	120.648	CC
EXIST HZ COSSLETT 1H-22H-B168 - OWB - FINAL SU	1,500.00	1,518.83	1,265.74	1,255.13	119.369	ES
EXIST HZ COSSLETT 1H-22H-B168 - OWB - FINAL SU	18,458.39	17,503.82	2,466.99	2,143.49	7.626	SF
EXIST HZ COSSLETT 1I-22H-B168 - OWB - FINAL SUR	2,288.59	2,353.20	1,218.99	1,200.21	64.930	CC
EXIST HZ COSSLETT 1I-22H-B168 - OWB - FINAL SUR	2,300.00	2,361.51	1,219.00	1,200.12	64.540	ES
EXIST HZ COSSLETT 1I-22H-B168 - OWB - FINAL SUR	18,400.00	17,583.00	2,125.27	1,792.59	6.388	SF
EXIST HZ COSSLETT 1J-22H-B168 - OWB - FINAL SUR	2,415.80	2,479.87	1,181.02	1,160.19	56.719	CC, ES
EXIST HZ COSSLETT 1J-22H-B168 - OWB - FINAL SUR	18,458.39	17,632.62	1,922.27	1,590.82	5.799	SF
EXIST HZ COSSLETT 1K-22H-B168 - OWB - FINAL SU	2,562.10	2,628.87	1,144.61	1,121.66	49.871	CC
EXIST HZ COSSLETT 1K-22H-B168 - OWB - FINAL SU	2,591.69	2,649.54	1,144.76	1,121.48	49.188	ES
EXIST HZ COSSLETT 1K-22H-B168 - OWB - FINAL SU	18,000.00	17,334.71	1,783.52	1,473.56	5.754	SF
EXIST HZ COSSLETT 1L-22H-B168 - OWB - FINAL SU	3,546.89	3,618.88	1,070.74	1,032.59	28.061	CC
EXIST HZ COSSLETT 1L-22H-B168 - OWB - FINAL SU	3,800.00	3,860.16	1,073.14	1,031.50	25.767	ES
EXIST HZ COSSLETT 1L-22H-B168 - OWB - FINAL SU	18,458.39	17,821.94	1,597.94	1,265.63	4.809	SF
EXIST HZ COSSLETT 32-22 - OWB - FINAL SURVEY	648.41	640.68	214.10	209.90	50.956	CC
EXIST HZ COSSLETT 32-22 - OWB - FINAL SURVEY	700.00	690.27	214.41	209.81	46.571	ES
EXIST HZ COSSLETT 32-22 - OWB - FINAL SURVEY	1,400.00	1,373.62	279.87	269.67	27.444	SF
EXIST HZ COSSLETT 4-0-22 - OWB - FINAL SURVEY	0.00	0.00	242.00			
EXIST HZ COSSLETT 4-0-22 - OWB - FINAL SURVEY	100.00	88.31	242.11	241.83	867.172	ES
EXIST HZ COSSLETT 4-0-22 - OWB - FINAL SURVEY	7,100.00	7,100.00	3,456.98	3,381.43	45.756	SF
EXIST HZ COSSLETT 41-22 - OWB - FINAL SURVEY	100.00	89.24	234.17	233.89	837.675	CC, ES
EXIST HZ COSSLETT 41-22 - OWB - FINAL SURVEY	3,500.00	3,377.62	493.31	458.85	14.313	SF
EXIST HZ COSSLETT 42-22 - OWB - FINAL SURVEY	1,763.76	1,762.32	75.78	62.97	5.916	CC, ES
EXIST HZ COSSLETT 42-22 - OWB - FINAL SURVEY	1,800.00	1,797.07	76.34	63.42	5.908	SF
EXIST HZ COSSLETT 6-0-22 - OWB - FINAL SURVEY	169.85	159.86	237.80	237.11	346.237	CC
EXIST HZ COSSLETT 6-0-22 - OWB - FINAL SURVEY	200.00	188.10	237.92	237.02	266.274	ES
EXIST HZ COSSLETT 6-0-22 - OWB - FINAL SURVEY	4,600.00	4,296.95	1,306.08	1,257.20	26.718	SF
EXIST HZ COSSLETT 6-4-22 - OWB - FINAL SURVEY	1,316.85	1,334.89	70.87	60.65	6.939	CC, ES, SF
EXIST HZ COSSLETT 8-2-22 - OWB - FINAL SURVEY	3,044.31	2,961.03	123.32	96.50	4.599	CC
EXIST HZ COSSLETT 8-2-22 - OWB - FINAL SURVEY	3,100.00	3,013.81	124.63	96.19	4.383	ES
EXIST HZ COSSLETT 8-2-22 - OWB - FINAL SURVEY	3,200.00	3,110.25	132.58	101.54	4.271	SF
EXIST HZ FRONT RANGE FARMS 15C-14HZ - OWB - F	8,450.00	15,353.00	2,147.61	1,973.90	12.364	SF
EXIST HZ FRONT RANGE FARMS 15C-14HZ - OWB - F	8,584.78	15,353.00	2,134.45	1,963.39	12.477	CC, 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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<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 FRONT RANGE FARMS 15N-14HZ - OWB - F	8,450.00	15,243.00	2,460.26	2,283.77	13.940	SF
EXIST HZ FRONT RANGE FARMS 15N-14HZ - OWB - F	8,583.25	15,243.00	2,448.93	2,274.64	14.051	CC, ES
EXIST HZ FRONT RANGE FARMS 36N-14HZ - OWB - F	8,400.00	15,134.00	1,559.16	1,384.03	8.903	SF
EXIST HZ FRONT RANGE FARMS 36N-14HZ - OWB - F	8,500.00	15,134.00	1,546.73	1,374.44	8.977	ES
EXIST HZ FRONT RANGE FARMS 36N-14HZ - OWB - F	8,531.53	15,134.00	1,545.97	1,374.71	9.027	CC
EXIST HZ FRONT RANGE FARMS 37C-14HZ - OWB - F	8,400.00	15,352.00	3,053.56	2,877.20	17.314	SF
EXIST HZ FRONT RANGE FARMS 37C-14HZ - OWB - F	8,600.00	15,352.00	3,026.57	2,853.38	17.475	ES
EXIST HZ FRONT RANGE FARMS 37C-14HZ - OWB - F	8,610.28	15,352.00	3,026.51	2,853.50	17.493	CC
EXIST HZ RANCHVIEW 28C-11HZ - OWB - FINAL SUR	8,550.00	7,758.07	1,101.31	1,026.51	14.723	SF
EXIST HZ RANCHVIEW 28C-11HZ - OWB - FINAL SUR	8,729.54	7,709.04	1,075.79	1,005.03	15.202	CC, ES
EXIST HZ RANCHVIEW 3C-11HZ - OWB - FINAL SURV	8,700.00	7,758.90	75.92	-4.69	0.942	Level 1, ES, SF
EXIST HZ RANCHVIEW 3C-11HZ - OWB - FINAL SURV	8,735.16	7,742.84	68.62	-2.81	0.961	Level 1, CC
EXIST HZ RANCHVIEW 3N-11HZ - OWB - FINAL SURV	8,550.00	7,734.83	439.93	366.02	5.953	SF
EXIST HZ RANCHVIEW 3N-11HZ - OWB - FINAL SURV	8,643.80	7,697.13	428.97	359.11	6.140	CC, ES
EXIST HZ STIPANOVICH 8-0-27 - OWB - FINAL SURVE	13,677.07	7,713.16	1,450.66	1,339.68	13.071	CC, ES
EXIST HZ STIPANOVICH 8-0-27 - OWB - FINAL SURVE	13,700.00	7,712.91	1,450.84	1,339.82	13.067	SF
EXIST HZ STIPANOVICH 8-2-27 - OWB - FINAL SURVE	14,900.00	7,798.84	1,442.77	1,307.14	10.638	SF
EXIST HZ STIPANOVICH 8-2-27 - OWB - FINAL SURVE	14,958.58	7,797.56	1,441.58	1,306.19	10.648	CC, ES



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<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	12,100.00	7,585.89	460.87	372.97	5.243	SF
ABND VERT HELEN E UNIT 2 - OWB - FINAL SURVEY	12,142.42	7,585.13	458.92	371.79	5.267	CC, ES
EXIST HZ BURY CRANDELL 0-0-23 - OWB - FINAL SU	5,897.91	5,512.15	469.89	407.00	7.471	CC
EXIST HZ BURY CRANDELL 0-0-23 - OWB - FINAL SU	5,900.00	5,514.11	469.89	406.98	7.469	ES
EXIST HZ BURY CRANDELL 0-0-23 - OWB - FINAL SU	6,000.00	5,602.12	472.42	408.63	7.405	SF
EXIST HZ BURY CRANDELL 12-23 - OWB - FINAL SUR	10,292.74	7,943.82	714.84	632.62	8.694	CC
EXIST HZ BURY CRANDELL 12-23 - OWB - FINAL SUR	10,300.00	7,944.07	714.88	632.61	8.689	ES, SF
EXIST HZ BURY CRANDELL 21-23 - OWB - FINAL SUR	8,600.00	7,729.00	651.44	569.78	7.978	SF
EXIST HZ BURY CRANDELL 21-23 - OWB - FINAL SUR	8,766.45	7,751.72	607.18	534.88	8.398	ES
EXIST HZ BURY CRANDELL 21-23 - OWB - FINAL SUR	8,818.24	7,752.23	604.97	535.63	8.725	CC
EXIST HZ BURY CRANDELL 22-23 - OWB - FINAL SUR	10,167.97	7,759.52	458.60	386.66	6.374	CC, ES
EXIST HZ BURY CRANDELL 22-23 - OWB - FINAL SUR	10,200.00	7,759.54	459.72	387.44	6.360	SF
EXIST HZ BURY CRANDELL 31-23 - OWB - FINAL SUR	8,400.00	7,566.30	2,048.21	1,971.84	26.819	SF
EXIST HZ BURY CRANDELL 31-23 - OWB - FINAL SUR	8,766.45	7,662.94	1,965.32	1,895.33	28.081	ES
EXIST HZ BURY CRANDELL 31-23 - OWB - FINAL SUR	8,813.94	7,663.09	1,964.74	1,895.56	28.399	CC
EXIST HZ BURY CRANDELL 42-23 - OWB - FINAL SUR	10,224.95	7,668.90	3,325.49	3,253.22	46.014	CC, ES
EXIST HZ BURY CRANDELL 42-23 - OWB - FINAL SUR	12,300.00	7,687.90	3,919.72	3,819.76	39.212	SF
EXIST HZ BURY CRANDELL 6-0-23 - OWB - FINAL SU	8,250.00	7,498.80	2,513.03	2,438.09	33.530	SF
EXIST HZ BURY CRANDELL 6-0-23 - OWB - FINAL SU	8,600.00	7,658.30	2,448.01	2,377.50	34.716	ES
EXIST HZ BURY CRANDELL 6-0-23 - OWB - FINAL SU	8,609.48	7,660.45	2,447.96	2,377.57	34.778	CC
EXIST HZ BURY CRANDELL 8-0-23 - OWB - FINAL SU	8,200.00	7,477.93	3,902.85	3,827.26	51.630	SF
EXIST HZ BURY CRANDELL 8-0-23 - OWB - FINAL SU	8,640.62	7,684.46	3,819.91	3,749.44	54.211	CC, ES
EXIST HZ BURY CRANDELL 8-2-23 - OWB - FINAL SU	9,540.65	7,645.37	3,801.83	3,735.36	57.193	CC, ES
EXIST HZ BURY CRANDELL 8-2-23 - OWB - FINAL SU	12,400.00	7,660.77	4,757.05	4,658.05	48.050	SF
EXIST HZ BURY CRANDELL 8-4-23 - OWB - FINAL SU	10,842.90	7,763.61	3,762.72	3,677.97	44.398	CC
EXIST HZ BURY CRANDELL 8-4-23 - OWB - FINAL SU	10,900.00	7,764.45	3,763.15	3,677.66	44.020	ES
EXIST HZ BURY CRANDELL 8-4-23 - OWB - FINAL SU	13,000.00	7,805.05	4,336.95	4,217.70	36.369	SF
EXIST HZ CURY CRANDELL 32-23 - OWB - FINAL SUR	9,500.00	7,731.13	1,952.64	1,869.91	23.603	SF
EXIST HZ CURY CRANDELL 32-23 - OWB - FINAL SUR	10,274.93	7,734.20	1,792.29	1,718.57	24.313	CC, ES
EXIST HZ HELEN 0-4-23 - OWB - FINAL SURVEY	11,057.20	7,825.78	1,317.29	1,236.72	16.349	CC, ES, SF
EXIST HZ HELEN 14-23 - OWB - FINAL SURVEY	13,092.79	7,723.63	624.51	518.78	5.907	CC, ES, SF
EXIST HZ HELEN 4-6-23 - OWB - FINAL SURVEY	12,265.55	7,686.78	1,258.30	1,166.33	13.682	CC
EXIST HZ HELEN 4-6-23 - OWB - FINAL SURVEY	12,300.00	7,685.88	1,258.77	1,165.98	13.565	ES
EXIST HZ HELEN 4-6-23 - OWB - FINAL SURVEY	12,600.00	7,677.88	1,301.96	1,202.50	13.091	SF
EXIST HZ HELEN 8-8-23 - OWB - FINAL SURVEY	13,477.30	7,885.53	3,755.51	3,645.76	34.221	CC
EXIST HZ HELEN 8-8-23 - OWB - FINAL SURVEY	13,600.00	7,885.23	3,757.51	3,644.92	33.372	ES
EXIST HZ HELEN 8-8-23 - OWB - FINAL SURVEY	15,300.00	7,879.30	4,174.45	4,027.73	28.453	SF
EXIST VERT BURY CRANDELL C UNIT 1 - OWB - Desi	8,700.00	7,536.48	2,944.12	2,766.70	16.595	SF
EXIST VERT BURY CRANDELL C UNIT 1 - OWB - Desi	9,270.29	7,540.00	2,886.82	2,717.05	17.004	CC, ES
EXIST VERT HELEN 23-23 - OWB - Design #1	11,489.43	7,571.00	446.00	262.72	2.433	CC
EXIST VERT HELEN 23-23 - OWB - Design #1	11,500.00	7,571.00	446.12	262.47	2.429	ES, SF
EXIST VERT HELEN 33-23 - OWB - Design #1	11,481.26	7,608.00	1,736.86	1,553.04	9.449	CC
EXIST VERT HELEN 33-23 - OWB - Design #1	11,500.00	7,608.00	1,736.96	1,552.81	9.432	ES
EXIST VERT HELEN 33-23 - OWB - Design #1	11,800.00	7,608.00	1,765.87	1,575.94	9.298	SF
EXIST VERT HELEN 34-23 - OWB - Design #1	13,101.34	7,583.00	2,022.63	1,817.06	9.839	CC
EXIST VERT HELEN 34-23 - OWB - Design #1	13,200.00	7,583.00	2,025.04	1,817.04	9.736	ES
EXIST VERT HELEN 34-23 - OWB - Design #1	13,500.00	7,583.00	2,061.55	1,846.69	9.595	SF
EXIST VERT HELEN 43-23 - OWB - Design #1	11,621.21	7,575.00	3,353.08	3,168.16	18.132	CC
EXIST VERT HELEN 43-23 - OWB - Design #1	11,700.00	7,575.00	3,354.01	3,167.83	18.015	ES
EXIST VERT HELEN 43-23 - OWB - Design #1	12,700.00	7,575.00	3,522.35	3,318.78	17.302	SF
EXIST VERT HELEN E UNIT 1 - OWB - Design #1	12,549.01	7,581.00	2,859.37	2,661.95	14.484	CC
EXIST VERT HELEN E UNIT 1 - OWB - Design #1	12,600.00	7,581.00	2,859.82	2,661.37	14.410	ES
EXIST VERT HELEN E UNIT 1 - OWB - Design #1	13,300.00	7,581.00	2,956.35	2,744.02	13.924	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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<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						



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<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	14,287.36	5,050.00	2,623.84	2,531.74	28.489	CC
ABND VERT ALAUX 1 - OWB - Design #1	14,300.00	5,050.00	2,623.87	2,531.57	28.427	ES
ABND VERT ALAUX 1 - OWB - Design #1	15,900.00	5,050.00	3,079.80	2,945.31	22.901	SF
ABND VERT ALAUX 2 - OWB - Design #1	14,291.93	5,450.00	2,270.03	2,177.33	24.487	CC
ABND VERT ALAUX 2 - OWB - Design #1	14,300.00	5,450.00	2,270.05	2,177.26	24.466	ES
ABND VERT ALAUX 2 - OWB - Design #1	15,600.00	5,450.00	2,619.94	2,497.20	21.345	SF
ABND VERT ALAUX F UNIT 1 - OWB - FINAL SURVEY	14,500.00	7,621.83	480.16	354.94	3.835	SF
ABND VERT ALAUX F UNIT 1 - OWB - FINAL SURVEY	14,554.25	7,621.75	477.09	353.25	3.852	CC, ES
ABND VERT CRANDELL E UNIT 1 - OWB - Design #1	17,200.00	7,646.00	381.32	105.80	1.384	Level 3, SF
ABND VERT CRANDELL E UNIT 1 - OWB - Design #1	17,233.52	7,646.00	379.84	105.70	1.386	Level 3, CC, ES
ABND VERT GOLTL 1 - OWB - Design #1	16,904.72	5,042.00	4,088.43	3,896.02	21.249	CC
ABND VERT GOLTL 1 - OWB - Design #1	17,000.00	5,042.00	4,089.54	3,895.15	21.038	ES
ABND VERT GOLTL 1 - OWB - Design #1	18,100.00	5,042.00	4,259.57	4,045.40	19.889	SF
ABND VERT GOLTL 2 - OWB - Design #1	18,223.45	5,020.00	4,102.47	3,892.30	19.520	CC
ABND VERT GOLTL 2 - OWB - Design #1	18,300.00	5,020.00	4,103.18	3,891.39	19.373	ES
ABND VERT GOLTL 2 - OWB - Design #1	18,458.39	5,020.00	4,109.19	3,894.13	19.107	SF
ABND VERT JL SEARS 1 - OWB - Design #1	15,620.15	5,125.00	2,576.12	2,476.88	25.960	CC, ES
ABND VERT JL SEARS 1 - OWB - Design #1	16,900.00	5,125.00	2,876.53	2,752.00	23.099	SF
ABND VERT JL SEARS 2 - OWB - Design #1	15,587.14	5,148.00	2,524.78	2,420.47	24.204	CC
ABND VERT JL SEARS 2 - OWB - Design #1	15,600.00	5,148.00	2,524.82	2,420.28	24.153	ES
ABND VERT JL SEARS 2 - OWB - Design #1	17,000.00	5,148.00	2,893.22	2,751.27	20.383	SF
ABND VERT MANN 1 - OWB - Design #1	16,887.91	5,050.00	3,173.97	3,010.54	19.421	CC
ABND VERT MANN 1 - OWB - Design #1	17,000.00	5,050.00	3,175.95	3,010.22	19.163	ES
ABND VERT MANN 1 - OWB - Design #1	17,900.00	5,050.00	3,331.43	3,148.28	18.189	SF
ABND VERT MANN 2 - OWB - Design #1	18,228.16	5,048.00	3,163.84	2,984.87	17.678	CC
ABND VERT MANN 2 - OWB - Design #1	18,300.00	5,048.00	3,164.66	2,984.18	17.535	ES
ABND VERT MANN 2 - OWB - Design #1	18,458.39	5,048.00	3,172.21	2,988.45	17.263	SF
EXIST HZ ALAUX 4-0-26 - OWB - FINAL SURVEY	13,689.43	7,676.96	1,083.22	973.11	9.838	CC
EXIST HZ ALAUX 4-0-26 - OWB - FINAL SURVEY	13,700.00	7,676.86	1,083.27	972.81	9.806	ES
EXIST HZ ALAUX 4-0-26 - OWB - FINAL SURVEY	13,900.00	7,675.07	1,103.50	987.17	9.486	SF
EXIST HZ CRANDELL 0-6-26 - OWB - FINAL SURVEY	17,494.35	7,788.64	1,272.69	1,098.48	7.305	CC, ES, SF
EXIST HZ CRANDELL 0-8-26 - OWB - FINAL SURVEY	18,458.39	8,032.82	1,398.94	1,196.95	6.926	CC, ES, SF
EXIST HZ CRANDELL 14-26 - OWB - FINAL SURVEY	18,394.15	7,836.25	863.61	667.78	4.410	CC, ES, SF
EXIST HZ CRANDELL 23-26 - OWB - FINAL SURVEY	16,854.23	7,773.09	584.76	421.38	3.579	CC
EXIST HZ CRANDELL 23-26 - OWB - FINAL SURVEY	16,900.00	7,772.58	586.54	420.78	3.538	ES, SF
EXIST HZ CRANDELL 24-26 - OWB - FINAL SURVEY	18,133.74	7,821.09	695.35	505.12	3.655	CC
EXIST HZ CRANDELL 24-26 - OWB - FINAL SURVEY	18,200.00	7,822.07	698.50	504.25	3.596	ES, SF
EXIST HZ CRANDELL 2-8-26 - OWB - FINAL SURVEY	18,458.39	7,932.24	387.82	276.14	3.473	CC, ES, SF
EXIST HZ CRANDELL 4-6-26 - OWB - FINAL SURVEY	17,517.51	7,890.43	1,175.56	999.19	6.665	CC
EXIST HZ CRANDELL 4-6-26 - OWB - FINAL SURVEY	17,600.00	7,890.24	1,178.45	998.54	6.550	ES
EXIST HZ CRANDELL 4-6-26 - OWB - FINAL SURVEY	17,700.00	7,890.01	1,189.64	1,006.22	6.486	SF
EXIST HZ SEARS 0-4-26 - OWB - FINAL SURVEY	16,146.11	7,771.47	1,292.19	1,138.81	8.425	CC, ES, SF
EXIST HZ SEARS 2-4-26 - OWB - FINAL SURVEY	16,100.00	7,755.64	84.55	-72.41	0.539	Level 1, ES
EXIST HZ SEARS 2-4-26 - OWB - FINAL SURVEY	16,119.92	7,755.20	82.17	-70.63	0.538	Level 1, CC, SF
EXIST HZ SEARS 4-4-26 - OWB - FINAL SURVEY	16,165.29	7,680.09	1,138.40	985.45	7.443	CC
EXIST HZ SEARS 4-4-26 - OWB - FINAL SURVEY	16,200.00	7,679.48	1,138.93	984.56	7.378	ES
EXIST HZ SEARS 4-4-26 - OWB - FINAL SURVEY	16,400.00	7,675.94	1,162.34	1,001.84	7.242	SF
EXIST VERT ALAUX 26-5 - OWB - FINAL SURVEY	15,300.00	7,624.28	765.13	628.11	5.584	SF
EXIST VERT ALAUX 26-5 - OWB - FINAL SURVEY	15,333.18	7,624.18	764.41	627.87	5.599	CC, ES
EXIST VERT ROBERTS 2 - OWB - Design #1	15,658.87	7,601.00	3,187.27	2,940.43	12.912	CC
EXIST VERT ROBERTS 2 - OWB - Design #1	15,700.00	7,601.00	3,187.53	2,939.68	12.861	ES
EXIST VERT ROBERTS 2 - OWB - Design #1	16,400.00	7,601.00	3,272.30	3,009.82	12.467	SF
EXIST VERT SHANNON ROBERTS 26-5 - OWB - Desig	14,867.50	7,582.00	2,411.18	2,177.73	10.328	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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<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	14,900.00	7,582.00	2,411.40	2,177.09	10.291	ES
EXIST VERT SHANNON ROBERTS 26-5 - OWB - Desig	15,300.00	7,582.00	2,449.66	2,205.99	10.053	SF
SI VERT ALAUX 26-3 - OWB - Design #1	14,138.06	7,607.00	588.25	366.14	2.648	CC, ES
SI VERT ALAUX 26-3 - OWB - Design #1	14,200.00	7,607.00	591.50	366.32	2.627	SF
SI VERT CRANDELL E UNIT 2 - OWB - Design #1	17,908.77	7,604.00	2,870.17	2,585.26	10.074	CC
SI VERT CRANDELL E UNIT 2 - OWB - Design #1	18,000.00	7,604.00	2,871.62	2,584.32	9.995	ES
SI VERT CRANDELL E UNIT 2 - OWB - Design #1	18,400.00	7,604.00	2,911.90	2,615.89	9.837	SF
SI VERT SEARS 22-26 - OWB - Design #1	15,480.94	7,607.00	765.18	521.20	3.136	CC
SI VERT SEARS 22-26 - OWB - Design #1	15,500.00	7,607.00	765.42	520.51	3.125	ES
SI VERT SEARS 22-26 - OWB - Design #1	15,600.00	7,607.00	774.39	525.57	3.112	SF
SI VERT SHANNON-ROBERTS 2 - OWB - Design #1	15,600.58	5,425.00	3,852.86	3,666.34	20.656	CC
SI VERT SHANNON-ROBERTS 2 - OWB - Design #1	15,700.00	5,425.00	3,854.15	3,665.52	20.432	ES
SI VERT SHANNON-ROBERTS 2 - OWB - Design #1	16,800.00	5,425.00	4,035.24	3,826.28	19.311	SF
SI VERT SHANNON-ROBERTS 3 - OWB - Design #1	14,282.94	5,450.00	2,840.33	2,693.98	19.408	CC
SI VERT SHANNON-ROBERTS 3 - OWB - Design #1	14,300.00	5,450.00	2,840.38	2,693.68	19.362	ES
SI VERT SHANNON-ROBERTS 3 - OWB - Design #1	15,300.00	5,450.00	3,016.94	2,849.49	18.017	SF
SI VERT SHANNON-ROBERTS 4 - OWB - Design #1	15,605.29	5,450.00	2,844.16	2,682.00	17.539	CC
SI VERT SHANNON-ROBERTS 4 - OWB - Design #1	15,700.00	5,450.00	2,845.74	2,681.52	17.329	ES
SI VERT SHANNON-ROBERTS 4 - OWB - Design #1	16,500.00	5,450.00	2,981.57	2,800.77	16.492	SF
SI VERT SHANNON-ROBERTS OWP 1-A - OWB - Desi	14,278.23	5,400.00	3,849.83	3,682.16	22.961	CC
SI VERT SHANNON-ROBERTS OWP 1-A - OWB - Desi	14,400.00	5,400.00	3,851.75	3,681.63	22.642	ES
SI VERT SHANNON-ROBERTS OWP 1-A - OWB - Desi	15,600.00	5,400.00	4,070.41	3,878.36	21.194	SF

Offset Design													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)						
0.00	0.00	0.00	0.00	0.00	0.00	39.90	232.05	194.04	302.91					
100.00	100.00	84.00	84.00	0.13	0.67	39.90	232.05	194.04	302.49	301.69	0.80	377.408		
200.00	200.00	184.00	184.00	0.49	2.26	39.90	232.05	194.04	302.49	299.74	2.75	109.872		
300.00	300.00	284.00	284.00	0.85	4.01	39.90	232.05	194.04	302.49	297.63	4.86	62.280		
400.00	400.00	384.00	384.00	1.21	5.75	39.90	232.05	194.04	302.49	295.53	6.96	43.457		
500.00	500.00	484.00	484.00	1.57	7.50	39.90	232.05	194.04	302.49	293.43	9.06	33.371		
600.00	600.00	584.00	584.00	1.93	9.24	39.90	232.05	194.04	302.49	291.32	11.17	27.085		
700.00	700.00	684.00	684.00	2.29	10.99	39.90	232.05	194.04	302.49	289.22	13.27	22.791		
800.00	800.00	784.00	784.00	2.64	12.73	39.90	232.05	194.04	302.49	287.11	15.38	19.673		
900.00	900.00	884.00	884.00	3.00	14.48	39.90	232.05	194.04	302.49	285.01	17.48	17.305		
1,000.00	1,000.00	984.00	984.00	3.36	16.22	39.90	232.05	194.04	302.49	282.91	19.58	15.446		
1,100.00	1,100.00	1,084.00	1,084.00	3.72	17.97	39.90	232.05	194.04	302.49	280.80	21.69	13.948		
1,200.00	1,199.98	1,183.98	1,183.98	4.07	19.71	-11.24	232.05	194.04	300.78	276.99	23.79	12.644		
1,300.00	1,299.84	1,283.84	1,283.84	4.43	21.46	-11.46	232.05	194.04	295.65	269.76	25.89	11.421		
1,400.00	1,399.45	1,383.45	1,383.45	4.79	23.19	-11.84	232.05	194.04	287.11	259.13	27.98	10.261		
1,500.00	1,498.70	1,482.70	1,482.70	5.15	24.93	-12.41	232.05	194.04	275.19	245.12	30.07	9.152		
1,600.00	1,597.47	1,581.47	1,581.47	5.53	26.65	-13.22	232.05	194.04	259.93	227.78	32.15	8.084		
1,700.00	1,695.62	1,679.62	1,679.62	5.93	28.36	-14.35	232.05	194.04	241.38	207.15	34.23	7.052		
1,800.00	1,793.06	1,777.06	1,777.06	6.35	30.06	-15.92	232.05	194.04	219.62	183.33	36.29	6.051		
1,900.00	1,889.64	1,873.64	1,873.64	6.79	31.75	-18.16	232.05	194.04	194.80	156.45	38.35	5.079		
2,000.00	1,985.27	1,969.27	1,969.27	7.27	33.42	-21.48	232.05	194.04	167.15	126.74	40.41	4.136		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
2,100.00	2,079.82	2,063.82	2,063.82	7.79	35.07	-26.69	232.05	194.04	137.14	94.65	42.48	3.228		
2,200.00	2,173.17	2,157.17	2,157.17	8.36	36.70	-35.63	232.05	194.04	105.85	61.24	44.61	2.373		
2,300.00	2,265.21	2,249.21	2,249.21	8.97	38.30	-52.56	232.05	194.04	76.43	29.49	46.94	1.628		
2,400.00	2,355.84	2,339.84	2,339.84	9.64	39.89	-84.02	232.05	194.04	58.98	9.46	49.52	1.191 Level 2		
2,415.49	2,369.75	2,353.75	2,353.75	9.75	40.13	-90.00	232.05	194.04	58.58	8.70	49.88	1.174 Level 2, CC, ES, SF		
2,500.00	2,444.94	2,428.94	2,428.94	10.36	41.44	-120.17	232.05	194.04	70.14	18.84	51.30	1.367 Level 3		
2,591.69	2,525.19	2,509.19	2,509.19	11.07	42.84	-140.84	232.05	194.04	101.51	48.92	52.59	1.930		
2,600.00	2,532.40	2,516.40	2,516.40	11.14	42.97	-142.19	232.05	194.04	104.91	52.20	52.72	1.990		
2,700.00	2,619.15	2,603.15	2,603.15	11.96	44.48	-153.73	232.05	194.04	148.80	94.45	54.35	2.738		
2,800.00	2,705.89	2,689.89	2,689.89	12.81	46.00	-160.10	232.05	194.04	195.52	139.39	56.12	3.484		
2,900.00	2,792.64	2,776.64	2,776.64	13.67	47.51	-164.05	232.05	194.04	243.44	185.49	57.95	4.201		
3,000.00	2,879.39	2,863.39	2,863.39	14.55	49.02	-166.72	232.05	194.04	291.97	232.16	59.81	4.882		
3,100.00	2,966.14	2,950.14	2,950.14	15.44	50.54	-168.63	232.05	194.04	340.85	279.17	61.68	5.526		
3,200.00	3,052.88	3,036.88	3,036.88	16.34	52.05	-170.06	232.05	194.04	389.95	326.39	63.57	6.135		
3,300.00	3,139.63	3,123.63	3,123.63	17.25	53.57	-171.18	232.05	194.04	439.20	373.74	65.46	6.709		
3,400.00	3,226.38	3,210.38	3,210.38	18.17	55.08	-172.07	232.05	194.04	488.55	421.19	67.36	7.253		
3,500.00	3,313.12	3,302.88	3,297.12	19.09	56.69	-172.80	232.05	194.04	537.97	468.61	69.37	7.755		
3,600.00	3,399.87	3,383.87	3,383.87	20.02	58.11	-173.41	232.05	194.04	587.45	516.27	71.18	8.253		
3,700.00	3,486.62	3,470.62	3,470.62	20.96	59.62	-173.92	232.05	194.04	636.97	563.88	73.09	8.715		
3,800.00	3,573.37	3,557.37	3,557.37	21.90	61.14	-174.36	232.05	194.04	686.53	611.52	75.01	9.153		
3,900.00	3,660.11	3,644.11	3,644.11	22.84	62.65	-174.74	232.05	194.04	736.10	659.18	76.93	9.569		
4,000.00	3,746.86	3,730.86	3,730.86	23.78	64.16	-175.07	232.05	194.04	785.71	706.85	78.85	9.964		
4,100.00	3,833.61	3,817.61	3,817.61	24.73	65.68	-175.37	232.05	194.04	835.32	754.55	80.78	10.341		
4,200.00	3,920.35	3,904.35	3,904.35	25.68	67.19	-175.63	232.05	194.04	884.96	802.25	82.70	10.700		
4,300.00	4,007.10	4,008.90	3,991.10	26.63	69.02	-175.86	232.05	194.04	934.60	849.66	84.94	11.003		
4,400.00	4,093.85	4,077.85	4,077.85	27.59	70.22	-176.07	232.05	194.04	984.26	897.70	86.56	11.370		
4,500.00	4,180.60	4,164.60	4,164.60	28.55	71.73	-176.26	232.05	194.04	1,033.92	945.43	88.50	11.683		
4,600.00	4,267.34	4,251.34	4,251.34	29.50	73.25	-176.43	232.05	194.04	1,083.60	993.17	90.43	11.983		
4,700.00	4,354.09	4,338.09	4,338.09	30.46	74.76	-176.59	232.05	194.04	1,133.28	1,040.91	92.36	12.270		
4,800.00	4,440.84	4,424.84	4,424.84	31.42	76.28	-176.73	232.05	194.04	1,182.96	1,088.66	94.30	12.545		
4,900.00	4,527.58	4,511.58	4,511.58	32.39	77.79	-176.86	232.05	194.04	1,232.65	1,136.41	96.24	12.808		
5,000.00	4,614.33	4,553.00	4,553.00	33.35	78.51	-176.92	232.05	194.04	1,283.15	1,186.05	97.10	13.215		
5,100.00	4,701.08	4,553.00	4,553.00	34.31	78.51	-176.92	232.05	194.04	1,338.58	1,241.88	96.70	13.843		
5,200.00	4,787.82	4,553.00	4,553.00	35.28	78.51	-176.92	232.05	194.04	1,398.97	1,302.95	96.02	14.570		
5,300.00	4,874.57	4,553.00	4,553.00	36.25	78.51	-176.92	232.05	194.04	1,463.70	1,368.57	95.13	15.386		
5,400.00	4,961.32	4,553.00	4,553.00	37.21	78.51	-176.92	232.05	194.04	1,532.24	1,438.12	94.12	16.280		
5,500.00	5,048.07	4,553.00	4,553.00	38.18	78.51	-176.92	232.05	194.04	1,604.08	1,511.07	93.01	17.246		
5,600.00	5,134.81	4,553.00	4,553.00	39.15	78.51	-176.92	232.05	194.04	1,678.81	1,586.94	91.87	18.274		
5,700.00	5,221.56	4,553.00	4,553.00	40.12	78.51	-176.92	232.05	194.04	1,756.05	1,665.34	90.71	19.358		
5,800.00	5,308.31	4,553.00	4,553.00	41.09	78.51	-176.92	232.05	194.04	1,835.49	1,745.93	89.57	20.493		
5,900.00	5,395.05	4,553.00	4,553.00	42.06	78.51	-176.92	232.05	194.04	1,916.86	1,828.42	88.44	21.673		
6,000.00	5,481.80	4,553.00	4,553.00	43.03	78.51	-176.92	232.05	194.04	1,999.92	1,912.56	87.36	22.893		
6,100.00	5,568.55	4,553.00	4,553.00	44.00	78.51	-176.92	232.05	194.04	2,084.47	1,998.15	86.32	24.149		
6,200.00	5,655.30	4,553.00	4,553.00	44.97	78.51	-176.92	232.05	194.04	2,170.33	2,085.01	85.32	25.437		
6,300.00	5,742.04	4,553.00	4,553.00	45.94	78.51	-176.92	232.05	194.04	2,257.35	2,172.98	84.37	26.754		
6,400.00	5,828.79	4,553.00	4,553.00	46.92	78.51	-176.92	232.05	194.04	2,345.41	2,261.94	83.48	28.096		
6,500.00	5,915.54	4,553.00	4,553.00	47.89	78.51	-176.92	232.05	194.04	2,434.40	2,351.77	82.63	29.461		
6,600.00	6,002.28	4,553.00	4,553.00	48.86	78.51	-176.92	232.05	194.04	2,524.20	2,442.37	81.83	30.845		
6,700.00	6,089.03	4,553.00	4,553.00	49.83	78.51	-176.92	232.05	194.04	2,614.75	2,533.67	81.08	32.247		
6,800.00	6,175.78	4,553.00	4,553.00	50.81	78.51	-176.92	232.05	194.04	2,705.97	2,625.59	80.38	33.664		
6,900.00	6,262.53	4,553.00	4,553.00	51.78	78.51	-176.92	232.05	194.04	2,797.78	2,718.06	79.72	35.095		
7,000.00	6,349.27	4,553.00	4,553.00	52.76	78.51	-176.92	232.05	194.04	2,890.14	2,811.03	79.10	36.536		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	6,436.02	4,553.00	4,553.00	53.73	78.51	-176.92	232.05	194.04	2,982.99	2,904.46	78.53	37.987		
7,200.00	6,522.77	4,553.00	4,553.00	54.71	78.51	-176.92	232.05	194.04	3,076.29	2,998.30	77.99	39.446		
7,300.00	6,609.51	4,553.00	4,553.00	55.68	78.51	-176.92	232.05	194.04	3,169.99	3,092.51	77.48	40.912		
7,400.00	6,696.26	4,553.00	4,553.00	56.66	78.51	-176.92	232.05	194.04	3,264.07	3,187.06	77.02	42.382		
7,500.00	6,783.01	4,553.00	4,553.00	57.63	78.51	-176.92	232.05	194.04	3,358.50	3,281.92	76.58	43.856		
7,600.00	6,869.76	4,553.00	4,553.00	58.61	78.51	-176.92	232.05	194.04	3,453.23	3,377.06	76.18	45.333		
7,683.49	6,942.18	4,553.00	4,553.00	59.42	78.51	-176.92	232.05	194.04	3,532.55	3,456.69	75.86	46.567		
7,700.00	6,956.57	4,553.00	4,553.00	59.58	78.51	176.54	232.05	194.04	3,548.22	3,472.42	75.80	46.812		
7,750.00	7,000.85	4,553.00	4,553.00	60.04	78.51	158.02	232.05	194.04	3,595.11	3,519.53	75.58	47.565		
7,800.00	7,045.94	4,553.00	4,553.00	60.46	78.51	140.85	232.05	194.04	3,640.93	3,565.59	75.33	48.330		
7,850.00	7,091.49	4,553.00	4,553.00	60.84	78.51	124.60	232.05	194.04	3,685.36	3,610.31	75.05	49.104		
7,900.00	7,137.15	4,553.00	4,553.00	61.17	78.51	109.42	232.05	194.04	3,728.13	3,653.39	74.74	49.882		
7,950.00	7,182.58	4,553.00	4,553.00	61.44	78.51	95.79	232.05	194.04	3,768.98	3,694.58	74.40	50.661		
8,000.00	7,227.43	4,553.00	4,553.00	61.67	78.51	84.08	232.05	194.04	3,807.65	3,733.63	74.02	51.438		
8,050.00	7,271.36	4,553.00	4,553.00	61.84	78.51	74.37	232.05	194.04	3,843.93	3,770.31	73.63	52.208		
8,100.00	7,314.04	4,553.00	4,553.00	61.96	78.51	66.48	232.05	194.04	3,877.61	3,804.40	73.21	52.965		
8,150.00	7,355.14	4,553.00	4,553.00	62.04	78.51	60.12	232.05	194.04	3,908.51	3,835.73	72.78	53.706		
8,200.00	7,394.34	4,553.00	4,553.00	62.07	78.51	55.01	232.05	194.04	3,936.45	3,864.12	72.33	54.423		
8,250.00	7,431.36	4,553.00	4,553.00	62.06	78.51	50.90	232.05	194.04	3,961.29	3,889.41	71.88	55.111		
8,300.00	7,465.90	4,553.00	4,553.00	62.01	78.51	47.59	232.05	194.04	3,982.89	3,911.47	71.43	55.762		
8,350.00	7,497.71	4,553.00	4,553.00	61.93	78.51	44.92	232.05	194.04	4,001.16	3,930.18	70.98	56.369		
8,400.00	7,526.53	4,553.00	4,553.00	61.81	78.51	42.79	232.05	194.04	4,015.99	3,945.44	70.55	56.925		
8,450.00	7,552.17	4,553.00	4,553.00	61.66	78.51	41.10	232.05	194.04	4,027.32	3,957.18	70.14	57.421		
8,500.00	7,574.41	4,553.00	4,553.00	61.48	78.51	39.79	232.05	194.04	4,035.07	3,965.33	69.75	57.851		
8,550.00	7,593.09	4,553.00	4,553.00	61.29	78.51	38.81	232.05	194.04	4,039.23	3,969.84	69.39	58.207		
8,600.00	7,608.07	4,553.00	4,553.00	61.07	78.51	38.12	232.05	194.04	4,039.76	3,970.69	69.08	58.483		
8,650.00	7,619.23	4,553.00	4,553.00	60.84	78.51	37.72	232.05	194.04	4,036.67	3,967.87	68.80	58.672		
8,700.00	7,626.48	4,553.00	4,553.00	60.60	78.51	37.57	232.05	194.04	4,029.96	3,961.39	68.57	58.772		
8,750.00	7,629.78	4,553.00	4,553.00	60.35	78.51	37.68	232.05	194.04	4,019.68	3,951.29	68.39	58.778		
8,766.45	7,630.00	4,553.00	4,553.00	60.27	78.51	37.78	232.05	194.04	4,015.52	3,947.18	68.34	58.758		
8,800.00	7,630.00	4,553.00	4,553.00	60.10	78.51	37.78	232.05	194.04	4,006.78	3,938.53	68.25	58.709		
8,900.00	7,630.00	4,553.00	4,553.00	59.61	78.51	37.78	232.05	194.04	3,982.31	3,914.23	68.07	58.501		
9,000.00	7,630.00	4,553.00	4,553.00	59.15	78.51	37.78	232.05	194.04	3,960.20	3,892.16	68.04	58.204		
9,100.00	7,630.00	4,553.00	4,553.00	58.71	78.51	37.78	232.05	194.04	3,940.52	3,872.36	68.15	57.820		
9,200.00	7,630.00	4,553.00	4,553.00	58.30	78.51	37.78	232.05	194.04	3,923.28	3,854.88	68.40	57.357		
9,300.00	7,630.00	4,553.00	4,553.00	57.91	78.51	37.78	232.05	194.04	3,908.53	3,839.74	68.79	56.821		
9,400.00	7,630.00	4,553.00	4,553.00	57.54	78.51	37.78	232.05	194.04	3,896.28	3,826.99	69.30	56.225		
9,500.00	7,630.00	4,553.00	4,553.00	57.19	78.51	37.78	232.05	194.04	3,886.58	3,816.65	69.93	55.578		
9,600.00	7,630.00	4,553.00	4,553.00	56.87	78.51	37.78	232.05	194.04	3,879.42	3,808.75	70.67	54.893		
9,700.00	7,630.00	4,553.00	4,553.00	56.57	78.51	37.78	232.05	194.04	3,874.84	3,803.32	71.52	54.180		
9,800.00	7,630.00	4,553.00	4,553.00	56.30	78.51	37.78	232.05	194.04	3,872.83	3,800.38	72.46	53.450		
9,827.73	7,630.00	4,553.00	4,553.00	56.23	78.51	37.78	232.05	194.04	3,872.73	3,800.00	72.74	53.242		
9,900.00	7,630.00	4,553.00	4,553.00	56.05	78.51	37.78	232.05	194.04	3,873.41	3,799.93	73.48	52.712		
10,000.00	7,630.00	4,553.00	4,553.00	55.82	78.51	37.78	232.05	194.04	3,876.56	3,801.98	74.59	51.975		
10,100.00	7,630.00	4,553.00	4,553.00	55.63	78.51	37.78	232.05	194.04	3,882.29	3,806.54	75.76	51.247		
10,200.00	7,630.00	4,553.00	4,553.00	55.46	78.51	37.78	232.05	194.04	3,890.58	3,813.59	76.99	50.533		
10,300.00	7,630.00	4,553.00	4,553.00	55.32	78.51	37.78	232.05	194.04	3,901.42	3,823.15	78.28	49.841		
10,400.00	7,630.00	4,553.00	4,553.00	55.22	78.51	37.78	232.05	194.04	3,914.79	3,835.18	79.61	49.174		
10,500.00	7,630.00	4,553.00	4,553.00	55.15	78.51	37.78	232.05	194.04	3,930.65	3,849.67	80.98	48.538		
10,600.00	7,630.00	4,553.00	4,553.00	55.14	78.51	37.78	232.05	194.04	3,948.98	3,866.60	82.38	47.934		
10,700.00	7,630.00	4,553.00	4,553.00	55.18	78.51	37.78	232.05	194.04	3,969.75	3,885.94	83.81	47.366		
10,800.00	7,630.00	4,553.00	4,553.00	55.28	78.51	37.78	232.05	194.04	3,992.92	3,907.66	85.25	46.835		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
10,900.00	7,630.00	4,553.00	4,553.00	55.47	78.51	37.78	232.05	194.04	4,018.44	3,931.73	86.71	46.344		
11,000.00	7,630.00	4,553.00	4,553.00	55.74	78.51	37.78	232.05	194.04	4,046.27	3,958.10	88.17	45.891		
11,100.00	7,630.00	4,553.00	4,553.00	56.11	78.51	37.78	232.05	194.04	4,076.36	3,986.73	89.63	45.480		
11,200.00	7,630.00	4,553.00	4,553.00	56.60	78.51	37.78	232.05	194.04	4,108.67	4,017.59	91.09	45.108		
11,300.00	7,630.00	4,553.00	4,553.00	57.20	78.51	37.78	232.05	194.04	4,143.14	4,050.61	92.53	44.776		
11,400.00	7,630.00	4,553.00	4,553.00	57.91	78.51	37.78	232.05	194.04	4,179.72	4,085.76	93.96	44.484		
11,500.00	7,630.00	4,553.00	4,553.00	58.72	78.51	37.78	232.05	194.04	4,218.36	4,122.99	95.37	44.230		
11,600.00	7,630.00	4,553.00	4,553.00	59.63	78.51	37.78	232.05	194.04	4,258.99	4,162.23	96.76	44.014		
11,700.00	7,630.00	4,553.00	4,553.00	60.61	78.51	37.78	232.05	194.04	4,301.56	4,203.43	98.13	43.836		
11,800.00	7,630.00	4,553.00	4,553.00	61.67	78.51	37.78	232.05	194.04	4,346.02	4,246.55	99.47	43.692		
11,900.00	7,630.00	4,553.00	4,553.00	62.78	78.51	37.78	232.05	194.04	4,392.31	4,291.53	100.78	43.584		
12,000.00	7,630.00	4,553.00	4,553.00	63.95	78.51	37.78	232.05	194.04	4,440.36	4,338.30	102.06	43.509		
12,100.00	7,630.00	4,553.00	4,553.00	65.16	78.51	37.78	232.05	194.04	4,490.13	4,386.83	103.30	43.465		
12,200.00	7,630.00	4,553.00	4,553.00	66.41	78.51	37.78	232.05	194.04	4,541.55	4,437.04	104.52	43.453		
12,300.00	7,630.00	4,553.00	4,553.00	67.68	78.51	37.78	232.05	194.04	4,594.58	4,488.89	105.70	43.470		
12,400.00	7,630.00	4,553.00	4,553.00	68.99	78.51	37.78	232.05	194.04	4,649.15	4,542.31	106.84	43.515		
12,500.00	7,630.00	4,553.00	4,553.00	70.33	78.51	37.78	232.05	194.04	4,705.22	4,597.27	107.95	43.588		
12,600.00	7,630.00	4,553.00	4,553.00	71.68	78.51	37.78	232.05	194.04	4,762.72	4,653.70	109.02	43.686		
12,700.00	7,630.00	4,553.00	4,553.00	73.06	78.51	37.78	232.05	194.04	4,821.62	4,711.56	110.06	43.809		
12,800.00	7,630.00	4,553.00	4,553.00	74.45	78.51	37.78	232.05	194.04	4,881.85	4,770.78	111.06	43.955		
12,900.00	7,630.00	4,553.00	4,553.00	75.87	78.51	37.78	232.05	194.04	4,943.37	4,831.33	112.03	44.124		
13,000.00	7,630.00	4,553.00	4,553.00	77.29	78.51	37.78	232.05	194.04	5,006.13	4,893.16	112.97	44.314		
13,100.00	7,630.00	4,553.00	4,553.00	78.74	78.51	37.78	232.05	194.04	5,070.09	4,956.22	113.87	44.524		
13,200.00	7,630.00	4,553.00	4,553.00	80.19	78.51	37.78	232.05	194.04	5,135.20	5,020.45	114.74	44.754		
13,300.00	7,630.00	4,553.00	4,553.00	81.66	78.51	37.78	232.05	194.04	5,201.41	5,085.83	115.58	45.002		
13,400.00	7,630.00	4,553.00	4,553.00	83.14	78.51	37.78	232.05	194.04	5,268.70	5,152.31	116.39	45.268		
13,500.00	7,630.00	4,553.00	4,553.00	84.63	78.51	37.78	232.05	194.04	5,337.00	5,219.84	117.17	45.551		
13,600.00	7,630.00	4,553.00	4,553.00	86.14	78.51	37.78	232.05	194.04	5,406.30	5,288.38	117.91	45.849		
13,700.00	7,630.00	4,553.00	4,553.00	87.65	78.51	37.78	232.05	194.04	5,476.54	5,357.91	118.63	46.163		
13,800.00	7,630.00	4,553.00	4,553.00	89.17	78.51	37.78	232.05	194.04	5,547.70	5,428.37	119.33	46.491		
13,900.00	7,630.00	4,553.00	4,553.00	90.70	78.51	37.78	232.05	194.04	5,619.74	5,499.74	119.99	46.833		
14,000.00	7,630.00	4,553.00	4,553.00	92.24	78.51	37.78	232.05	194.04	5,692.62	5,571.98	120.64	47.189		
14,100.00	7,630.00	4,553.00	4,553.00	93.78	78.51	37.78	232.05	194.04	5,766.31	5,645.06	121.25	47.556		
14,200.00	7,630.00	4,553.00	4,553.00	95.33	78.51	37.78	232.05	194.04	5,840.79	5,718.94	121.85	47.936		
14,300.00	7,630.00	4,553.00	4,553.00	96.89	78.51	37.78	232.05	194.04	5,916.02	5,793.60	122.42	48.327		
14,400.00	7,630.00	4,553.00	4,553.00	98.46	78.51	37.78	232.05	194.04	5,991.97	5,869.00	122.97	48.729		
14,500.00	7,630.00	4,553.00	4,553.00	100.03	78.51	37.78	232.05	194.04	6,068.62	5,945.13	123.49	49.141		
14,600.00	7,630.00	4,553.00	4,553.00	101.61	78.51	37.78	232.05	194.04	6,145.94	6,021.94	124.00	49.563		
14,700.00	7,630.00	4,553.00	4,553.00	103.20	78.51	37.78	232.05	194.04	6,223.91	6,099.42	124.49	49.995		
14,800.00	7,630.00	4,553.00	4,553.00	104.78	78.51	37.78	232.05	194.04	6,302.50	6,177.54	124.96	50.436		
14,900.00	7,630.00	4,553.00	4,553.00	106.38	78.51	37.78	232.05	194.04	6,381.69	6,256.28	125.41	50.885		
15,000.00	7,630.00	4,553.00	4,553.00	107.98	78.51	37.78	232.05	194.04	6,461.46	6,335.61	125.85	51.342		
15,100.00	7,630.00	4,553.00	4,553.00	109.58	78.51	37.78	232.05	194.04	6,541.78	6,415.51	126.27	51.808		
15,200.00	7,630.00	4,553.00	4,553.00	111.19	78.51	37.78	232.05	194.04	6,622.64	6,495.96	126.68	52.280		
15,300.00	7,630.00	4,553.00	4,553.00	112.81	78.51	37.78	232.05	194.04	6,704.01	6,576.95	127.06	52.761		
15,400.00	7,630.00	4,553.00	4,553.00	114.42	78.51	37.78	232.05	194.04	6,785.88	6,658.44	127.44	53.247		
15,500.00	7,630.00	4,553.00	4,553.00	116.05	78.51	37.78	232.05	194.04	6,868.24	6,740.43	127.80	53.741		
15,600.00	7,630.00	4,553.00	4,553.00	117.67	78.51	37.78	232.05	194.04	6,951.05	6,822.90	128.15	54.241		
15,700.00	7,630.00	4,553.00	4,553.00	119.30	78.51	37.78	232.05	194.04	7,034.32	6,905.83	128.49	54.747		
15,800.00	7,630.00	4,553.00	4,553.00	120.93	78.51	37.78	232.05	194.04	7,118.01	6,989.19	128.81	55.258		
15,900.00	7,630.00	4,553.00	4,553.00	122.57	78.51	37.78	232.05	194.04	7,202.12	7,072.99	129.13	55.775		
16,000.00	7,630.00	4,553.00	4,553.00	124.21	78.51	37.78	232.05	194.04	7,286.63	7,157.20	129.43	56.298		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
16,100.00	7,630.00	4,553.00	4,553.00	125.85	78.51	37.78	232.05	194.04	7,371.53	7,241.80	129.72	56.825		
16,200.00	7,630.00	4,553.00	4,553.00	127.50	78.51	37.78	232.05	194.04	7,456.80	7,326.79	130.01	57.357		
16,300.00	7,630.00	4,553.00	4,553.00	129.15	78.51	37.78	232.05	194.04	7,542.43	7,412.15	130.28	57.894		
16,400.00	7,630.00	4,553.00	4,553.00	130.80	78.51	37.78	232.05	194.04	7,628.42	7,497.87	130.54	58.436		
16,500.00	7,630.00	4,553.00	4,553.00	132.46	78.51	37.78	232.05	194.04	7,714.74	7,583.94	130.80	58.981		
16,600.00	7,630.00	4,553.00	4,553.00	134.11	78.51	37.78	232.05	194.04	7,801.39	7,670.34	131.05	59.531		
16,700.00	7,630.00	4,553.00	4,553.00	135.77	78.51	37.78	232.05	194.04	7,888.35	7,757.07	131.29	60.085		
16,800.00	7,630.00	4,553.00	4,553.00	137.43	78.51	37.78	232.05	194.04	7,975.62	7,844.10	131.52	60.642		
16,900.00	7,630.00	4,553.00	4,553.00	139.10	78.51	37.78	232.05	194.04	8,063.19	7,931.45	131.74	61.203		
17,000.00	7,630.00	4,553.00	4,553.00	140.77	78.51	37.78	232.05	194.04	8,151.04	8,019.08	131.96	61.768		
17,100.00	7,630.00	4,553.00	4,553.00	142.44	78.51	37.78	232.05	194.04	8,239.17	8,107.00	132.17	62.336		
17,200.00	7,630.00	4,553.00	4,553.00	144.11	78.51	37.78	232.05	194.04	8,327.57	8,195.19	132.38	62.907		
17,300.00	7,630.00	4,553.00	4,553.00	145.78	78.51	37.78	232.05	194.04	8,416.23	8,283.65	132.58	63.481		
17,400.00	7,630.00	4,553.00	4,553.00	147.46	78.51	37.78	232.05	194.04	8,505.13	8,372.36	132.77	64.058		
17,500.00	7,630.00	4,553.00	4,553.00	149.13	78.51	37.78	232.05	194.04	8,594.29	8,461.32	132.96	64.638		
17,600.00	7,630.00	4,553.00	4,553.00	150.81	78.51	37.78	232.05	194.04	8,683.67	8,550.53	133.14	65.220		
17,700.00	7,630.00	4,553.00	4,553.00	152.49	78.51	37.78	232.05	194.04	8,773.29	8,639.97	133.32	65.805		
17,800.00	7,630.00	4,553.00	4,553.00	154.18	78.51	37.78	232.05	194.04	8,863.13	8,729.64	133.50	66.393		
17,900.00	7,630.00	4,553.00	4,553.00	155.86	78.51	37.78	232.05	194.04	8,953.19	8,819.52	133.66	66.983		
18,000.00	7,630.00	4,553.00	4,553.00	157.55	78.51	37.78	232.05	194.04	9,043.45	8,909.62	133.83	67.575		
18,100.00	7,630.00	4,553.00	4,553.00	159.24	78.51	37.78	232.05	194.04	9,133.92	8,999.93	133.99	68.170		
18,200.00	7,630.00	4,553.00	4,553.00	160.92	78.51	37.78	232.05	194.04	9,224.58	9,090.44	134.14	68.766		
18,300.00	7,630.00	4,553.00	4,553.00	162.62	78.51	37.78	232.05	194.04	9,315.44	9,181.14	134.30	69.365		
18,400.00	7,630.00	4,553.00	4,553.00	164.31	78.51	37.78	232.05	194.04	9,406.48	9,272.03	134.45	69.965		
18,458.39	7,630.00	4,553.00	4,553.00	165.30	78.51	37.78	232.05	194.04	9,459.72	9,325.19	134.53	70.317		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	0.00	0.00	0.00	0.00	-2.06	257.19	-9.24	257.79					
100.00	100.00	85.00	85.00	0.13	0.66	-2.06	257.19	-9.24	257.35	256.56	0.79	323.879		
200.00	200.00	185.00	185.00	0.49	2.26	-2.06	257.19	-9.24	257.35	254.60	2.75	93.478		
300.00	300.00	285.00	285.00	0.85	4.01	-2.06	257.19	-9.24	257.35	252.50	4.86	52.987		
400.00	400.00	385.00	385.00	1.21	5.75	-2.06	257.19	-9.24	257.35	250.39	6.96	36.972		
500.00	500.00	485.00	485.00	1.57	7.50	-2.06	257.19	-9.24	257.35	248.29	9.06	28.391		
600.00	600.00	585.00	585.00	1.93	9.24	-2.06	257.19	-9.24	257.35	246.19	11.17	23.043		
700.00	700.00	685.00	685.00	2.29	10.99	-2.06	257.19	-9.24	257.35	244.08	13.27	19.391		
800.00	800.00	785.00	785.00	2.64	12.73	-2.06	257.19	-9.24	257.35	241.98	15.38	16.737		
900.00	900.00	885.00	885.00	3.00	14.48	-2.06	257.19	-9.24	257.35	239.87	17.48	14.723		
1,000.00	1,000.00	985.00	985.00	3.36	16.22	-2.06	257.19	-9.24	257.35	237.77	19.58	13.141		
1,100.00	1,100.00	1,085.00	1,085.00	3.72	17.97	-2.06	257.19	-9.24	257.35	235.67	21.69	11.867		
1,200.00	1,199.98	1,184.98	1,184.98	4.07	19.71	-53.45	257.19	-9.24	256.31	232.52	23.79	10.775		
1,300.00	1,299.84	1,284.84	1,284.84	4.43	21.46	-54.46	257.19	-9.24	253.23	227.34	25.89	9.783		
1,400.00	1,399.45	1,384.45	1,384.45	4.79	23.19	-56.17	257.19	-9.24	248.25	220.27	27.98	8.872		
1,500.00	1,498.70	1,483.70	1,483.70	5.15	24.93	-58.67	257.19	-9.24	241.66	211.58	30.08	8.034		
1,600.00	1,597.47	1,582.47	1,582.47	5.53	26.65	-62.05	257.19	-9.24	233.84	201.66	32.18	7.267		
1,700.00	1,695.62	1,680.62	1,680.62	5.93	28.36	-66.43	257.19	-9.24	225.42	191.14	34.29	6.575		
1,800.00	1,793.06	1,778.06	1,778.06	6.35	30.06	-71.90	257.19	-9.24	217.23	180.83	36.40	5.967		
1,900.00	1,889.64	1,874.64	1,874.64	6.79	31.75	-78.53	257.19	-9.24	210.41	171.87	38.54	5.460		
2,000.00	1,985.27	1,970.27	1,970.27	7.27	33.42	-86.24	257.19	-9.24	206.36	165.67	40.69	5.071		
2,044.92	2,027.88	2,012.88	2,012.88	7.51	34.16	-90.00	257.19	-9.24	205.87	164.21	41.67	4.941 CC		
2,100.00	2,079.82	2,064.82	2,064.82	7.79	35.07	-94.79	257.19	-9.24	206.69	163.84	42.85	4.823 ES		
2,200.00	2,173.17	2,158.17	2,158.17	8.36	36.70	-103.71	257.19	-9.24	212.88	167.89	44.99	4.731 SF		
2,300.00	2,265.21	2,250.21	2,250.21	8.97	38.30	-112.48	257.19	-9.24	226.00	178.91	47.09	4.799		
2,400.00	2,355.84	2,340.84	2,340.84	9.64	39.89	-120.61	257.19	-9.24	246.47	197.34	49.12	5.017		
2,500.00	2,444.94	2,429.94	2,429.94	10.36	41.44	-127.81	257.19	-9.24	274.06	222.98	51.08	5.365		
2,591.69	2,525.19	2,510.19	2,510.19	11.07	42.84	-133.50	257.19	-9.24	305.15	252.32	52.83	5.776		
2,600.00	2,532.40	2,517.40	2,517.40	11.14	42.97	-134.02	257.19	-9.24	308.21	255.22	52.99	5.817		
2,700.00	2,619.15	2,604.15	2,604.15	11.96	44.48	-139.63	257.19	-9.24	346.83	291.98	54.85	6.323		
2,800.00	2,705.89	2,709.11	2,690.89	12.81	46.31	-144.18	257.19	-9.24	387.99	330.97	57.03	6.804		
2,900.00	2,792.64	2,777.64	2,777.64	13.67	47.51	-147.92	257.19	-9.24	430.97	372.41	58.56	7.359		
3,000.00	2,879.39	2,864.39	2,864.39	14.55	49.02	-151.01	257.19	-9.24	475.27	414.85	60.42	7.866		
3,100.00	2,966.14	2,951.14	2,951.14	15.44	50.54	-153.60	257.19	-9.24	520.55	458.27	62.29	8.357		
3,200.00	3,052.88	3,037.88	3,037.88	16.34	52.05	-155.79	257.19	-9.24	566.59	502.43	64.16	8.831		
3,300.00	3,139.63	3,124.63	3,124.63	17.25	53.57	-157.66	257.19	-9.24	613.20	547.17	66.03	9.287		
3,400.00	3,226.38	3,211.38	3,211.38	18.17	55.08	-159.28	257.19	-9.24	660.28	592.37	67.91	9.723		
3,500.00	3,313.12	3,301.88	3,298.12	19.09	56.66	-160.68	257.19	-9.24	707.72	637.85	69.86	10.130		
3,600.00	3,399.87	3,384.87	3,384.87	20.02	58.11	-161.92	257.19	-9.24	755.45	683.76	71.69	10.538		
3,700.00	3,486.62	3,471.62	3,471.62	20.96	59.62	-163.01	257.19	-9.24	803.43	729.85	73.58	10.919		
3,800.00	3,573.37	3,558.37	3,558.37	21.90	61.14	-163.98	257.19	-9.24	851.62	776.13	75.48	11.282		
3,900.00	3,660.11	3,645.11	3,645.11	22.84	62.65	-164.84	257.19	-9.24	899.97	822.58	77.39	11.630		
4,000.00	3,746.86	3,731.86	3,731.86	23.78	64.16	-165.62	257.19	-9.24	948.47	869.18	79.29	11.962		
4,100.00	3,833.61	3,818.61	3,818.61	24.73	65.68	-166.33	257.19	-9.24	997.09	915.89	81.20	12.279		
4,200.00	3,920.35	3,905.35	3,905.35	25.68	67.19	-166.97	257.19	-9.24	1,045.82	962.70	83.11	12.583		
4,300.00	4,007.10	4,007.90	3,992.10	26.63	68.98	-167.55	257.19	-9.24	1,094.63	1,009.33	85.30	12.832		
4,400.00	4,093.85	4,078.85	4,078.85	27.59	70.22	-168.09	257.19	-9.24	1,143.53	1,056.59	86.94	13.152		
4,500.00	4,180.60	4,165.60	4,165.60	28.55	71.73	-168.58	257.19	-9.24	1,192.50	1,103.64	88.86	13.419		
4,600.00	4,267.34	4,252.34	4,252.34	29.50	73.25	-169.03	257.19	-9.24	1,241.53	1,150.75	90.79	13.675		
4,700.00	4,354.09	4,339.09	4,339.09	30.46	74.76	-169.45	257.19	-9.24	1,290.62	1,197.91	92.71	13.921		
4,800.00	4,440.84	4,425.84	4,425.84	31.42	76.28	-169.84	257.19	-9.24	1,339.76	1,245.12	94.64	14.157		
4,900.00	4,527.58	4,512.58	4,512.58	32.39	77.79	-170.20	257.19	-9.24	1,388.94	1,292.37	96.56	14.384		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
5,000.00	4,614.33	4,600.67	4,599.33	33.35	79.33	-170.53	257.19	-9.24	1,438.15	1,339.64	98.52	14.598		
5,100.00	4,701.08	4,686.08	4,686.08	34.31	80.82	-170.85	257.19	-9.24	1,487.41	1,386.99	100.42	14.812		
5,200.00	4,787.82	4,772.82	4,772.82	35.28	82.33	-171.14	257.19	-9.24	1,536.69	1,434.34	102.35	15.014		
5,300.00	4,874.57	4,859.57	4,859.57	36.25	83.85	-171.42	257.19	-9.24	1,586.01	1,481.72	104.29	15.208		
5,400.00	4,961.32	4,946.32	4,946.32	37.21	85.36	-171.68	257.19	-9.24	1,635.35	1,529.13	106.22	15.396		
5,500.00	5,048.07	5,033.07	5,033.07	38.18	86.87	-171.92	257.19	-9.24	1,684.71	1,576.56	108.16	15.577		
5,600.00	5,134.81	5,119.81	5,119.81	39.15	88.39	-172.15	257.19	-9.24	1,734.10	1,624.00	110.09	15.751		
5,700.00	5,221.56	5,206.56	5,206.56	40.12	89.90	-172.37	257.19	-9.24	1,783.51	1,671.47	112.03	15.920		
5,800.00	5,308.31	5,306.69	5,293.31	41.09	91.65	-172.58	257.19	-9.24	1,832.93	1,718.73	114.20	16.050		
5,900.00	5,395.05	5,380.05	5,380.05	42.06	92.93	-172.77	257.19	-9.24	1,882.37	1,766.46	115.91	16.240		
6,000.00	5,481.80	5,466.80	5,466.80	43.03	94.45	-172.96	257.19	-9.24	1,931.83	1,813.98	117.85	16.392		
6,100.00	5,568.55	5,553.55	5,553.55	44.00	95.96	-173.13	257.19	-9.24	1,981.30	1,861.51	119.79	16.539		
6,200.00	5,655.30	5,640.30	5,640.30	44.97	97.47	-173.30	257.19	-9.24	2,030.79	1,909.05	121.74	16.682		
6,300.00	5,742.04	5,727.04	5,727.04	45.94	98.99	-173.46	257.19	-9.24	2,080.29	1,956.61	123.68	16.820		
6,400.00	5,828.79	5,813.79	5,813.79	46.92	100.50	-173.61	257.19	-9.24	2,129.80	2,004.18	125.62	16.954		
6,500.00	5,915.54	5,900.54	5,900.54	47.89	102.02	-173.76	257.19	-9.24	2,179.32	2,051.75	127.57	17.084		
6,600.00	6,002.28	5,987.28	5,987.28	48.86	103.53	-173.90	257.19	-9.24	2,228.85	2,099.34	129.51	17.209		
6,700.00	6,089.03	6,074.03	6,074.03	49.83	105.04	-174.03	257.19	-9.24	2,278.39	2,146.93	131.46	17.331		
6,800.00	6,175.78	6,160.78	6,160.78	50.81	106.56	-174.16	257.19	-9.24	2,327.94	2,194.53	133.41	17.450		
6,900.00	6,262.53	6,247.53	6,247.53	51.78	108.07	-174.28	257.19	-9.24	2,377.50	2,242.14	135.35	17.565		
7,000.00	6,349.27	6,334.27	6,334.27	52.76	109.59	-174.40	257.19	-9.24	2,427.06	2,289.76	137.30	17.677		
7,100.00	6,436.02	6,421.02	6,421.02	53.73	111.10	-174.51	257.19	-9.24	2,476.64	2,337.39	139.25	17.785		
7,200.00	6,522.77	6,507.77	6,507.77	54.71	112.61	-174.62	257.19	-9.24	2,526.22	2,385.02	141.20	17.891		
7,300.00	6,609.51	6,605.49	6,594.51	55.68	114.32	-174.72	257.19	-9.24	2,575.80	2,432.46	143.34	17.969		
7,400.00	6,696.26	6,681.26	6,681.26	56.66	115.64	-174.82	257.19	-9.24	2,625.40	2,480.29	145.10	18.093		
7,500.00	6,783.01	6,768.01	6,768.01	57.63	117.16	-174.92	257.19	-9.24	2,675.00	2,527.94	147.05	18.191		
7,600.00	6,869.76	6,854.76	6,854.76	58.61	118.67	-175.01	257.19	-9.24	2,724.60	2,575.59	149.01	18.285		
7,683.49	6,942.18	6,927.18	6,927.18	59.42	119.93	-175.08	257.19	-9.24	2,766.02	2,615.38	150.64	18.362		
7,700.00	6,956.57	6,941.57	6,941.57	59.58	120.18	-178.32	257.19	-9.24	2,774.10	2,623.14	150.96	18.377		
7,750.00	7,000.85	6,985.85	6,985.85	60.04	120.96	171.12	257.19	-9.24	2,797.25	2,645.30	151.95	18.409		
7,800.00	7,045.94	7,030.94	7,030.94	60.46	121.74	159.50	257.19	-9.24	2,818.26	2,665.32	152.94	18.427		
7,850.00	7,091.49	7,076.49	7,076.49	60.84	122.54	147.15	257.19	-9.24	2,836.98	2,683.05	153.94	18.429		
7,900.00	7,137.15	7,122.15	7,122.15	61.17	123.34	134.84	257.19	-9.24	2,853.31	2,698.39	154.92	18.417		
7,950.00	7,182.58	7,167.58	7,167.58	61.44	124.13	123.42	257.19	-9.24	2,867.17	2,711.28	155.90	18.392		
8,000.00	7,227.43	7,212.43	7,212.43	61.67	124.91	113.51	257.19	-9.24	2,878.51	2,721.67	156.85	18.353		
8,050.00	7,271.36	7,256.36	7,256.36	61.84	125.68	105.37	257.19	-9.24	2,887.31	2,729.54	157.77	18.301		
8,100.00	7,314.04	7,300.96	7,299.04	61.96	126.46	98.90	257.19	-9.24	2,893.57	2,734.88	158.69	18.235		
8,150.00	7,355.14	7,340.14	7,340.14	62.04	127.14	93.91	257.19	-9.24	2,897.32	2,737.82	159.50	18.165		
8,200.00	7,394.34	7,379.34	7,379.34	62.07	127.83	90.13	257.19	-9.24	2,898.62	2,738.32	160.30	18.082		
8,250.00	7,431.36	7,416.36	7,416.36	62.06	128.47	87.37	257.19	-9.24	2,897.54	2,736.49	161.06	17.991		
8,300.00	7,465.90	7,450.90	7,450.90	62.01	129.07	85.44	257.19	-9.24	2,894.19	2,732.42	161.76	17.891		
8,350.00	7,497.71	7,482.71	7,482.71	61.93	129.63	84.19	257.19	-9.24	2,888.67	2,726.25	162.42	17.785		
8,400.00	7,526.53	7,511.53	7,511.53	61.81	130.13	83.52	257.19	-9.24	2,881.10	2,718.07	163.02	17.673		
8,450.00	7,552.17	7,537.17	7,537.17	61.66	130.58	83.34	257.19	-9.24	2,871.62	2,708.05	163.57	17.556		
8,500.00	7,574.41	7,559.41	7,559.41	61.48	130.97	83.58	257.19	-9.24	2,860.37	2,696.31	164.06	17.435		
8,550.00	7,593.09	7,578.09	7,578.09	61.29	131.29	84.18	257.19	-9.24	2,847.50	2,683.00	164.49	17.311		
8,600.00	7,608.07	7,606.93	7,593.07	61.07	131.80	85.10	257.19	-9.24	2,833.15	2,668.04	165.11	17.159		
8,650.00	7,619.23	7,604.23	7,604.23	60.84	131.75	86.29	257.19	-9.24	2,817.48	2,652.29	165.18	17.057		
8,700.00	7,626.48	7,611.48	7,611.48	60.60	131.88	87.74	257.19	-9.24	2,800.62	2,635.18	165.44	16.928		
8,750.00	7,629.78	7,614.78	7,614.78	60.35	131.93	89.41	257.19	-9.24	2,782.72	2,617.08	165.64	16.800		
8,766.45	7,630.00	7,615.00	7,615.00	60.27	131.94	90.00	257.19	-9.24	2,776.63	2,610.93	165.69	16.758		
8,800.00	7,630.00	7,615.00	7,615.00	60.10	131.94	90.00	257.19	-9.24	2,764.27	2,598.48	165.79	16.673		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
8,900.00	7,630.00	7,615.00	7,615.00	59.61	131.94	90.00	257.19	-9.24	2,729.57	2,563.44	166.13	16.430		
9,000.00	7,630.00	7,615.00	7,615.00	59.15	131.94	90.00	257.19	-9.24	2,698.13	2,531.61	166.52	16.203		
9,100.00	7,630.00	7,615.00	7,615.00	58.71	131.94	90.00	257.19	-9.24	2,670.06	2,503.10	166.96	15.992		
9,200.00	7,630.00	7,615.00	7,615.00	58.30	131.94	90.00	257.19	-9.24	2,645.48	2,478.04	167.45	15.799		
9,300.00	7,630.00	7,615.00	7,615.00	57.91	131.94	90.00	257.19	-9.24	2,624.48	2,456.51	167.97	15.624		
9,400.00	7,630.00	7,615.00	7,615.00	57.54	131.94	90.00	257.19	-9.24	2,607.16	2,438.61	168.54	15.469		
9,500.00	7,630.00	7,615.00	7,615.00	57.19	131.94	90.00	257.19	-9.24	2,593.57	2,424.43	169.14	15.334		
9,600.00	7,630.00	7,615.00	7,615.00	56.87	131.94	90.00	257.19	-9.24	2,583.79	2,414.01	169.78	15.219		
9,700.00	7,630.00	7,615.00	7,615.00	56.57	131.94	90.00	257.19	-9.24	2,577.85	2,407.42	170.43	15.126		
9,800.00	7,630.00	7,615.00	7,615.00	56.30	131.94	90.00	257.19	-9.24	2,575.78	2,404.68	171.10	15.054		
9,803.28	7,630.00	7,615.00	7,615.00	56.29	131.94	90.00	257.19	-9.24	2,575.78	2,404.65	171.12	15.052		
9,900.00	7,630.00	7,615.00	7,615.00	56.05	131.94	90.00	257.19	-9.24	2,577.59	2,405.81	171.78	15.005		
10,000.00	7,630.00	7,615.00	7,615.00	55.82	131.94	90.00	257.19	-9.24	2,583.28	2,410.82	172.46	14.979		
10,100.00	7,630.00	7,615.00	7,615.00	55.63	131.94	90.00	257.19	-9.24	2,592.81	2,419.67	173.14	14.975		
10,200.00	7,630.00	7,615.00	7,615.00	55.46	131.94	90.00	257.19	-9.24	2,606.15	2,432.34	173.81	14.994		
10,300.00	7,630.00	7,615.00	7,615.00	55.32	131.94	90.00	257.19	-9.24	2,623.23	2,448.77	174.47	15.036		
10,400.00	7,630.00	7,615.00	7,615.00	55.22	131.94	90.00	257.19	-9.24	2,643.99	2,468.89	175.11	15.099		
10,500.00	7,630.00	7,615.00	7,615.00	55.15	131.94	90.00	257.19	-9.24	2,668.34	2,492.62	175.72	15.185		
10,600.00	7,630.00	7,615.00	7,615.00	55.14	131.94	90.00	257.19	-9.24	2,696.18	2,519.87	176.31	15.292		
10,700.00	7,630.00	7,615.00	7,615.00	55.18	131.94	90.00	257.19	-9.24	2,727.40	2,550.54	176.87	15.421		
10,800.00	7,630.00	7,615.00	7,615.00	55.28	131.94	90.00	257.19	-9.24	2,761.90	2,584.50	177.40	15.569		
10,900.00	7,630.00	7,615.00	7,615.00	55.47	131.94	90.00	257.19	-9.24	2,799.54	2,621.65	177.89	15.737		
11,000.00	7,630.00	7,615.00	7,615.00	55.74	131.94	90.00	257.19	-9.24	2,840.20	2,661.85	178.36	15.924		
11,100.00	7,630.00	7,615.00	7,615.00	56.11	131.94	90.00	257.19	-9.24	2,883.77	2,704.98	178.79	16.129		
11,200.00	7,630.00	7,615.00	7,615.00	56.60	131.94	90.00	257.19	-9.24	2,930.09	2,750.90	179.19	16.352		
11,300.00	7,630.00	7,615.00	7,615.00	57.20	131.94	90.00	257.19	-9.24	2,979.06	2,799.50	179.56	16.591		
11,400.00	7,630.00	7,615.00	7,615.00	57.91	131.94	90.00	257.19	-9.24	3,030.53	2,850.64	179.90	16.846		
11,500.00	7,630.00	7,615.00	7,615.00	58.72	131.94	90.00	257.19	-9.24	3,084.39	2,904.19	180.21	17.116		
11,600.00	7,630.00	7,615.00	7,615.00	59.63	131.94	90.00	257.19	-9.24	3,140.51	2,960.02	180.49	17.400		
11,700.00	7,630.00	7,615.00	7,615.00	60.61	131.94	90.00	257.19	-9.24	3,198.78	3,018.03	180.75	17.698		
11,800.00	7,630.00	7,615.00	7,615.00	61.67	131.94	90.00	257.19	-9.24	3,259.07	3,078.09	180.98	18.008		
11,900.00	7,630.00	7,615.00	7,615.00	62.78	131.94	90.00	257.19	-9.24	3,321.27	3,140.08	181.19	18.330		
12,000.00	7,630.00	7,615.00	7,615.00	63.95	131.94	90.00	257.19	-9.24	3,385.29	3,203.91	181.38	18.664		
12,100.00	7,630.00	7,615.00	7,615.00	65.16	131.94	90.00	257.19	-9.24	3,451.02	3,269.47	181.55	19.009		
12,200.00	7,630.00	7,615.00	7,615.00	66.41	131.94	90.00	257.19	-9.24	3,518.36	3,336.67	181.70	19.364		
12,300.00	7,630.00	7,615.00	7,615.00	67.68	131.94	90.00	257.19	-9.24	3,587.23	3,405.40	181.83	19.728		
12,400.00	7,630.00	7,615.00	7,615.00	68.99	131.94	90.00	257.19	-9.24	3,657.54	3,475.59	181.95	20.102		
12,500.00	7,630.00	7,615.00	7,615.00	70.33	131.94	90.00	257.19	-9.24	3,729.20	3,547.14	182.06	20.484		
12,600.00	7,630.00	7,615.00	7,615.00	71.68	131.94	90.00	257.19	-9.24	3,802.14	3,619.99	182.15	20.874		
12,700.00	7,630.00	7,615.00	7,615.00	73.06	131.94	90.00	257.19	-9.24	3,876.29	3,694.06	182.23	21.271		
12,800.00	7,630.00	7,615.00	7,615.00	74.45	131.94	90.00	257.19	-9.24	3,951.58	3,769.27	182.30	21.676		
12,900.00	7,630.00	7,615.00	7,615.00	75.87	131.94	90.00	257.19	-9.24	4,027.94	3,845.57	182.36	22.087		
13,000.00	7,630.00	7,615.00	7,615.00	77.29	131.94	90.00	257.19	-9.24	4,105.32	3,922.90	182.42	22.505		
13,100.00	7,630.00	7,615.00	7,615.00	78.74	131.94	90.00	257.19	-9.24	4,183.66	4,001.19	182.46	22.929		
13,200.00	7,630.00	7,615.00	7,615.00	80.19	131.94	90.00	257.19	-9.24	4,262.90	4,080.40	182.50	23.358		
13,300.00	7,630.00	7,615.00	7,615.00	81.66	131.94	90.00	257.19	-9.24	4,343.00	4,160.47	182.54	23.792		
13,400.00	7,630.00	7,615.00	7,615.00	83.14	131.94	90.00	257.19	-9.24	4,423.91	4,241.35	182.56	24.232		
13,500.00	7,630.00	7,615.00	7,615.00	84.63	131.94	90.00	257.19	-9.24	4,505.59	4,323.00	182.59	24.676		
13,600.00	7,630.00	7,615.00	7,615.00	86.14	131.94	90.00	257.19	-9.24	4,587.99	4,405.39	182.61	25.125		
13,700.00	7,630.00	7,615.00	7,615.00	87.65	131.94	90.00	257.19	-9.24	4,671.09	4,488.46	182.62	25.578		
13,800.00	7,630.00	7,615.00	7,615.00	89.17	131.94	90.00	257.19	-9.24	4,754.83	4,572.19	182.63	26.035		
13,900.00	7,630.00	7,615.00	7,615.00	90.70	131.94	90.00	257.19	-9.24	4,839.19	4,656.55	182.64	26.496		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
14,000.00	7,630.00	7,615.00	7,615.00	92.24	131.94	90.00	257.19	-9.24	4,924.13	4,741.48	182.65	26.960		
14,100.00	7,630.00	7,615.00	7,615.00	93.78	131.94	90.00	257.19	-9.24	5,009.63	4,826.98	182.65	27.427		
14,200.00	7,630.00	7,615.00	7,615.00	95.33	131.94	90.00	257.19	-9.24	5,095.66	4,913.01	182.65	27.898		
14,300.00	7,630.00	7,615.00	7,615.00	96.89	131.94	90.00	257.19	-9.24	5,182.19	4,999.54	182.65	28.372		
14,400.00	7,630.00	7,615.00	7,615.00	98.46	131.94	90.00	257.19	-9.24	5,269.20	5,086.54	182.65	28.848		
14,500.00	7,630.00	7,615.00	7,615.00	100.03	131.94	90.00	257.19	-9.24	5,356.66	5,174.01	182.65	29.327		
14,600.00	7,630.00	7,615.00	7,615.00	101.61	131.94	90.00	257.19	-9.24	5,444.55	5,261.90	182.65	29.809		
14,700.00	7,630.00	7,615.00	7,615.00	103.20	131.94	90.00	257.19	-9.24	5,532.85	5,350.21	182.64	30.293		
14,800.00	7,630.00	7,615.00	7,615.00	104.78	131.94	90.00	257.19	-9.24	5,621.55	5,438.91	182.64	30.779		
14,900.00	7,630.00	7,615.00	7,615.00	106.38	131.94	90.00	257.19	-9.24	5,710.62	5,527.98	182.63	31.268		
15,000.00	7,630.00	7,615.00	7,615.00	107.98	131.94	90.00	257.19	-9.24	5,800.04	5,617.41	182.63	31.758		
15,100.00	7,630.00	7,615.00	7,615.00	109.58	131.94	90.00	257.19	-9.24	5,889.81	5,707.18	182.62	32.251		
15,200.00	7,630.00	7,615.00	7,615.00	111.19	131.94	90.00	257.19	-9.24	5,979.90	5,797.28	182.62	32.745		
15,300.00	7,630.00	7,615.00	7,615.00	112.81	131.94	90.00	257.19	-9.24	6,070.30	5,887.69	182.61	33.241		
15,400.00	7,630.00	7,615.00	7,615.00	114.42	131.94	90.00	257.19	-9.24	6,161.00	5,978.39	182.61	33.739		
15,500.00	7,630.00	7,615.00	7,615.00	116.05	131.94	90.00	257.19	-9.24	6,251.98	6,069.37	182.60	34.238		
15,600.00	7,630.00	7,615.00	7,615.00	117.67	131.94	90.00	257.19	-9.24	6,343.23	6,160.63	182.60	34.739		
15,700.00	7,630.00	7,615.00	7,615.00	119.30	131.94	90.00	257.19	-9.24	6,434.74	6,252.15	182.59	35.241		
15,800.00	7,630.00	7,615.00	7,615.00	120.93	131.94	90.00	257.19	-9.24	6,526.50	6,343.91	182.59	35.744		
15,900.00	7,630.00	7,615.00	7,615.00	122.57	131.94	90.00	257.19	-9.24	6,618.50	6,435.92	182.59	36.248		
16,000.00	7,630.00	7,615.00	7,615.00	124.21	131.94	90.00	257.19	-9.24	6,710.73	6,528.15	182.58	36.754		
16,100.00	7,630.00	7,615.00	7,615.00	125.85	131.94	90.00	257.19	-9.24	6,803.18	6,620.60	182.58	37.261		
16,200.00	7,630.00	7,615.00	7,615.00	127.50	131.94	90.00	257.19	-9.24	6,895.84	6,713.26	182.58	37.769		
16,300.00	7,630.00	7,615.00	7,615.00	129.15	131.94	90.00	257.19	-9.24	6,988.70	6,806.12	182.58	38.278		
16,400.00	7,630.00	7,615.00	7,615.00	130.80	131.94	90.00	257.19	-9.24	7,081.76	6,899.18	182.58	38.787		
16,500.00	7,630.00	7,615.00	7,615.00	132.46	131.94	90.00	257.19	-9.24	7,175.00	6,992.42	182.58	39.298		
16,600.00	7,630.00	7,615.00	7,615.00	134.11	131.94	90.00	257.19	-9.24	7,268.43	7,085.85	182.58	39.809		
16,700.00	7,630.00	7,615.00	7,615.00	135.77	131.94	90.00	257.19	-9.24	7,362.02	7,179.44	182.58	40.322		
16,800.00	7,630.00	7,615.00	7,615.00	137.43	131.94	90.00	257.19	-9.24	7,455.78	7,273.20	182.58	40.835		
16,900.00	7,630.00	7,615.00	7,615.00	139.10	131.94	90.00	257.19	-9.24	7,549.70	7,367.12	182.59	41.348		
17,000.00	7,630.00	7,615.00	7,615.00	140.77	131.94	90.00	257.19	-9.24	7,643.78	7,461.19	182.59	41.863		
17,100.00	7,630.00	7,615.00	7,615.00	142.44	131.94	90.00	257.19	-9.24	7,738.01	7,555.41	182.60	42.378		
17,200.00	7,630.00	7,615.00	7,615.00	144.11	131.94	90.00	257.19	-9.24	7,832.37	7,649.77	182.60	42.893		
17,300.00	7,630.00	7,615.00	7,615.00	145.78	131.94	90.00	257.19	-9.24	7,926.88	7,744.27	182.61	43.409		
17,400.00	7,630.00	7,615.00	7,615.00	147.46	131.94	90.00	257.19	-9.24	8,021.52	7,838.90	182.62	43.926		
17,500.00	7,630.00	7,615.00	7,615.00	149.13	131.94	90.00	257.19	-9.24	8,116.29	7,933.66	182.62	44.443		
17,600.00	7,630.00	7,615.00	7,615.00	150.81	131.94	90.00	257.19	-9.24	8,211.18	8,028.54	182.63	44.960		
17,700.00	7,630.00	7,615.00	7,615.00	152.49	131.94	90.00	257.19	-9.24	8,306.19	8,123.55	182.64	45.478		
17,800.00	7,630.00	7,615.00	7,615.00	154.18	131.94	90.00	257.19	-9.24	8,401.32	8,218.66	182.65	45.996		
17,900.00	7,630.00	7,615.00	7,615.00	155.86	131.94	90.00	257.19	-9.24	8,496.56	8,313.89	182.66	46.514		
18,000.00	7,630.00	7,615.00	7,615.00	157.55	131.94	90.00	257.19	-9.24	8,591.90	8,409.23	182.68	47.033		
18,100.00	7,630.00	7,615.00	7,615.00	159.24	131.94	90.00	257.19	-9.24	8,687.36	8,504.67	182.69	47.552		
18,200.00	7,630.00	7,615.00	7,615.00	160.92	131.94	90.00	257.19	-9.24	8,782.91	8,600.21	182.70	48.072		
18,300.00	7,630.00	7,615.00	7,615.00	162.62	131.94	90.00	257.19	-9.24	8,878.56	8,695.84	182.72	48.591		
18,400.00	7,630.00	7,615.00	7,615.00	164.31	131.94	90.00	257.19	-9.24	8,974.31	8,791.57	182.73	49.111		
18,458.39	7,630.00	7,615.00	7,615.00	165.30	131.94	90.00	257.19	-9.24	9,030.26	8,847.51	182.74	49.415		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	0.00	0.00	0.00	0.00	-88.95	0.36	-19.88	19.88					
100.00	100.00	100.00	100.00	0.13	0.13	-88.95	0.36	-19.88	19.88	19.61	0.27	73.957		
200.00	200.00	200.00	200.00	0.49	0.49	-88.95	0.36	-19.88	19.88	18.90	0.99	20.170		
300.00	300.00	300.00	300.00	0.85	0.85	-88.95	0.36	-19.88	19.88	18.18	1.70	11.677		
400.00	400.00	400.00	400.00	1.21	1.21	-88.95	0.36	-19.88	19.88	17.46	2.42	8.217		
500.00	500.00	500.00	500.00	1.57	1.57	-88.95	0.36	-19.88	19.88	16.75	3.14	6.339		
600.00	600.00	600.00	600.00	1.93	1.93	-88.95	0.36	-19.88	19.88	16.03	3.85	5.160		
700.00	700.00	700.00	700.00	2.29	2.29	-88.95	0.36	-19.88	19.88	15.31	4.57	4.350		
800.00	800.00	800.00	800.00	2.64	2.64	-88.95	0.36	-19.88	19.88	14.60	5.29	3.761		
900.00	900.00	900.00	900.00	3.00	3.00	-88.95	0.36	-19.88	19.88	13.88	6.00	3.311		
1,000.00	1,000.00	1,000.00	1,000.00	3.36	3.36	-88.95	0.36	-19.88	19.88	13.16	6.72	2.958		
1,100.00	1,100.00	1,100.00	1,100.00	3.72	3.72	-88.95	0.36	-19.88	19.88	12.45	7.44	2.673 CC, ES		
1,200.00	1,199.98	1,200.02	1,199.98	4.07	4.08	-143.03	0.36	-19.88	21.25	13.10	8.15	2.607		
1,300.00	1,299.84	1,299.84	1,299.84	4.43	4.44	-150.04	0.36	-19.88	25.63	16.76	8.86	2.891		
1,400.00	1,399.45	1,400.42	1,400.40	4.79	4.79	-155.91	1.65	-18.68	31.98	22.40	9.57	3.341		
1,500.00	1,498.70	1,501.25	1,501.08	5.15	5.15	-159.12	5.54	-15.07	38.73	28.46	10.27	3.771		
1,600.00	1,597.47	1,602.31	1,601.75	5.53	5.51	-160.77	12.03	-9.02	45.73	34.77	10.97	4.171		
1,700.00	1,695.62	1,703.60	1,702.27	5.93	5.88	-161.45	21.14	-0.54	52.92	41.26	11.66	4.540		
1,800.00	1,793.06	1,805.13	1,802.52	6.35	6.26	-161.51	32.88	10.38	60.24	47.90	12.35	4.879		
1,900.00	1,889.64	1,906.88	1,902.35	6.79	6.66	-161.14	47.24	23.75	67.70	54.66	13.04	5.192		
2,000.00	1,985.27	2,008.86	2,001.65	7.27	7.08	-160.46	64.24	39.56	75.30	61.56	13.74	5.480		
2,100.00	2,079.82	2,111.05	2,100.26	7.79	7.53	-159.57	83.85	57.81	83.03	68.57	14.46	5.744		
2,200.00	2,173.17	2,213.46	2,198.06	8.36	8.01	-158.52	106.07	78.50	90.90	75.71	15.20	5.982		
2,300.00	2,265.21	2,316.07	2,294.90	8.97	8.53	-157.35	130.89	101.60	98.93	82.96	15.97	6.196		
2,400.00	2,355.84	2,418.89	2,390.66	9.64	9.10	-156.09	158.29	127.10	107.12	90.34	16.78	6.384		
2,500.00	2,444.94	2,521.90	2,485.19	10.36	9.71	-154.77	188.25	154.98	115.48	97.83	17.65	6.543		
2,591.69	2,525.19	2,615.01	2,569.44	11.07	10.31	-153.61	217.26	181.97	123.55	105.02	18.54	6.666		
2,600.00	2,532.40	2,623.28	2,576.90	11.14	10.36	-153.54	219.86	184.39	124.37	105.75	18.62	6.678		
2,700.00	2,619.15	2,722.77	2,666.72	11.96	11.03	-152.73	251.19	213.56	134.22	114.55	19.67	6.822		
2,800.00	2,705.89	2,822.27	2,756.54	12.81	11.72	-152.03	282.53	242.72	144.10	123.34	20.76	6.941		
2,900.00	2,792.64	2,921.77	2,846.36	13.67	12.43	-151.42	313.86	271.88	153.99	132.12	21.87	7.040		
3,000.00	2,879.39	3,021.26	2,936.18	14.55	13.15	-150.89	345.20	301.04	163.90	140.89	23.01	7.122		
3,100.00	2,966.14	3,120.76	3,025.99	15.44	13.89	-150.41	376.53	330.21	173.83	149.65	24.18	7.190		
3,200.00	3,052.88	3,220.26	3,115.81	16.34	14.63	-149.99	407.87	359.37	183.76	158.40	25.36	7.246		
3,300.00	3,139.63	3,319.75	3,205.63	17.25	15.38	-149.61	439.20	388.53	193.70	167.14	26.56	7.293		
3,400.00	3,226.38	3,419.25	3,295.45	18.17	16.14	-149.27	470.54	417.69	203.65	175.88	27.77	7.332		
3,500.00	3,313.12	3,518.75	3,385.27	19.09	16.91	-148.96	501.87	446.86	213.61	184.60	29.00	7.365		
3,600.00	3,399.87	3,618.25	3,475.08	20.02	17.68	-148.68	533.21	476.02	223.57	193.33	30.24	7.392		
3,700.00	3,486.62	3,717.74	3,564.90	20.96	18.46	-148.42	564.54	505.18	233.54	202.04	31.50	7.415		
3,800.00	3,573.37	3,817.24	3,654.72	21.90	19.24	-148.18	595.88	534.34	243.51	210.75	32.76	7.434		
3,900.00	3,660.11	3,916.74	3,744.54	22.84	20.03	-147.96	627.21	563.51	253.48	219.46	34.02	7.450		
4,000.00	3,746.86	4,016.23	3,834.36	23.78	20.81	-147.76	658.55	592.67	263.46	228.16	35.30	7.463		
4,100.00	3,833.61	4,115.73	3,924.17	24.73	21.61	-147.57	689.89	621.83	273.44	236.86	36.58	7.474		
4,200.00	3,920.35	4,215.23	4,013.99	25.68	22.40	-147.40	721.22	650.99	283.42	245.55	37.87	7.483		
4,300.00	4,007.10	4,314.72	4,103.81	26.63	23.20	-147.23	752.56	680.16	293.41	254.24	39.17	7.491		
4,400.00	4,093.85	4,414.22	4,193.63	27.59	24.00	-147.08	783.89	709.32	303.40	262.93	40.47	7.497		
4,500.00	4,180.60	4,513.72	4,283.45	28.55	24.80	-146.94	815.23	738.48	313.39	271.61	41.78	7.502		
4,600.00	4,267.34	4,613.21	4,373.26	29.50	25.60	-146.81	846.56	767.64	323.38	280.30	43.08	7.506		
4,700.00	4,354.09	4,712.71	4,463.08	30.46	26.41	-146.68	877.90	796.81	333.38	288.98	44.40	7.509		
4,800.00	4,440.84	4,812.21	4,552.90	31.42	27.21	-146.56	909.23	825.97	343.37	297.66	45.71	7.511		
4,900.00	4,527.58	4,911.70	4,642.72	32.39	28.02	-146.45	940.57	855.13	353.37	306.33	47.03	7.513		
5,000.00	4,614.33	5,011.20	4,732.54	33.35	28.83	-146.35	971.90	884.29	363.37	315.01	48.36	7.514		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,701.08	5,110.70	4,822.35	34.31	29.64	-146.25	1,003.24	913.46	373.36	323.68	49.68	7.515		
5,200.00	4,787.82	5,210.19	4,912.17	35.28	30.45	-146.15	1,034.57	942.62	383.37	332.35	51.01	7.515		
5,300.00	4,874.57	5,309.69	5,001.99	36.25	31.26	-146.06	1,065.91	971.78	393.37	341.02	52.34	7.515		
5,400.00	4,961.32	5,409.19	5,091.81	37.21	32.07	-145.98	1,097.24	1,000.94	403.37	349.69	53.67	7.515		
5,500.00	5,048.07	5,508.68	5,181.63	38.18	32.89	-145.90	1,128.58	1,030.11	413.37	358.36	55.01	7.515		
5,600.00	5,134.81	5,608.18	5,271.44	39.15	33.70	-145.82	1,159.91	1,059.27	423.37	367.03	56.35	7.514		
5,700.00	5,221.56	5,707.68	5,361.26	40.12	34.52	-145.75	1,191.25	1,088.43	433.38	375.69	57.68	7.513		
5,800.00	5,308.31	5,807.17	5,451.08	41.09	35.33	-145.68	1,222.58	1,117.59	443.38	384.36	59.02	7.512		
5,900.00	5,395.05	5,906.67	5,540.90	42.06	36.15	-145.61	1,253.92	1,146.76	453.39	393.02	60.37	7.511		
6,000.00	5,481.80	6,006.17	5,630.72	43.03	36.96	-145.55	1,285.25	1,175.92	463.40	401.69	61.71	7.509		
6,100.00	5,568.55	6,105.67	5,720.53	44.00	37.78	-145.48	1,316.59	1,205.08	473.40	410.35	63.05	7.508		
6,200.00	5,655.30	6,205.16	5,810.35	44.97	38.60	-145.43	1,347.92	1,234.24	483.41	419.01	64.40	7.506		
6,300.00	5,742.04	6,304.66	5,900.17	45.94	39.42	-145.37	1,379.26	1,263.41	493.42	427.67	65.75	7.505		
6,400.00	5,828.79	6,404.16	5,989.99	46.92	40.24	-145.31	1,410.59	1,292.57	503.43	436.33	67.10	7.503		
6,500.00	5,915.54	6,503.65	6,079.81	47.89	41.06	-145.26	1,441.93	1,321.73	513.43	444.99	68.44	7.501		
6,600.00	6,002.28	6,603.15	6,169.62	48.86	41.88	-145.21	1,473.26	1,350.89	523.44	453.65	69.79	7.500		
6,700.00	6,089.03	6,702.65	6,259.44	49.83	42.70	-145.16	1,504.60	1,380.06	533.45	462.31	71.15	7.498		
6,800.00	6,175.78	6,802.14	6,349.26	50.81	43.52	-145.12	1,535.93	1,409.22	543.46	470.97	72.50	7.496		
6,900.00	6,262.53	6,901.64	6,439.08	51.78	44.34	-145.07	1,567.27	1,438.38	553.47	479.62	73.85	7.494		
7,000.00	6,349.27	7,001.14	6,528.90	52.76	45.16	-145.03	1,598.60	1,467.54	563.48	488.28	75.20	7.493		
7,100.00	6,436.02	7,100.63	6,618.71	53.73	45.98	-144.99	1,629.94	1,496.71	573.49	496.94	76.56	7.491		
7,200.00	6,522.77	7,200.13	6,708.53	54.71	46.80	-144.95	1,661.27	1,525.87	583.51	505.59	77.91	7.489		
7,300.00	6,609.51	7,299.63	6,798.35	55.68	47.62	-144.91	1,692.61	1,555.03	593.52	514.25	79.27	7.487		
7,400.00	6,696.26	7,400.88	6,888.17	56.66	48.46	-144.87	1,723.94	1,584.19	603.53	522.89	80.64	7.484		
7,500.00	6,783.01	7,501.38	6,977.99	57.63	49.29	-144.83	1,755.28	1,613.36	613.54	531.54	82.00	7.482		
7,600.00	6,869.76	7,598.12	7,067.80	58.61	50.09	-144.80	1,786.61	1,642.52	623.55	540.21	83.34	7.482		
7,683.49	6,942.18	7,681.19	7,142.80	59.42	50.78	-144.77	1,812.78	1,666.87	631.91	547.44	84.48	7.480		
7,700.00	6,956.57	7,697.42	7,157.45	59.58	50.91	-147.34	1,817.87	1,671.63	633.57	548.86	84.71	7.479		
7,750.00	7,000.85	7,745.47	7,201.50	60.04	51.29	-156.12	1,830.64	1,685.92	638.64	553.26	85.39	7.479		
7,800.00	7,045.94	7,793.61	7,246.50	60.46	51.62	-166.33	1,839.50	1,700.51	643.81	557.83	85.99	7.487		
7,850.00	7,091.49	7,841.85	7,292.14	60.84	51.91	-177.61	1,844.37	1,715.29	649.03	562.53	86.50	7.503		
7,900.00	7,137.15	7,890.21	7,338.13	61.17	52.15	170.83	1,845.18	1,730.17	654.27	567.33	86.93	7.526		
7,950.00	7,182.58	7,938.70	7,384.16	61.44	52.35	159.88	1,841.90	1,745.05	659.47	572.20	87.27	7.557		
8,000.00	7,227.43	7,987.36	7,429.90	61.67	52.50	150.18	1,834.51	1,759.82	664.62	577.10	87.52	7.594		
8,050.00	7,271.36	8,036.18	7,475.05	61.84	52.60	142.01	1,823.03	1,774.39	669.66	581.98	87.68	7.638		
8,100.00	7,314.04	8,085.20	7,519.28	61.96	52.65	135.29	1,807.47	1,788.64	674.56	586.82	87.75	7.688		
8,150.00	7,355.14	8,134.42	7,562.26	62.04	52.67	129.85	1,787.92	1,802.48	679.29	591.56	87.73	7.743		
8,200.00	7,394.34	8,183.85	7,603.66	62.07	52.64	125.44	1,764.46	1,815.79	683.81	596.17	87.64	7.803		
8,250.00	7,431.36	8,233.51	7,643.16	62.06	52.58	121.88	1,737.20	1,828.48	688.08	600.62	87.46	7.868		
8,300.00	7,465.90	8,283.40	7,680.45	62.01	52.48	118.98	1,706.30	1,840.44	692.08	604.87	87.21	7.936		
8,350.00	7,497.71	8,333.52	7,715.19	61.93	52.34	116.64	1,671.95	1,851.56	695.76	608.88	86.89	8.008		
8,400.00	7,526.53	8,383.89	7,747.09	61.81	52.18	114.74	1,634.35	1,861.75	699.12	612.61	86.51	8.082		
8,450.00	7,552.17	8,434.50	7,775.87	61.66	51.98	113.22	1,593.76	1,870.92	702.11	616.03	86.08	8.157		
8,500.00	7,574.41	8,485.34	7,801.23	61.48	51.76	112.02	1,550.46	1,878.98	704.71	619.11	85.61	8.232		
8,550.00	7,593.09	8,536.41	7,822.93	61.29	51.52	111.09	1,504.76	1,885.84	706.91	621.81	85.10	8.307		
8,600.00	7,608.07	8,587.70	7,840.75	61.07	51.26	110.41	1,457.01	1,891.45	708.69	624.11	84.58	8.379		
8,650.00	7,619.23	8,639.19	7,854.48	60.84	50.98	109.96	1,407.59	1,895.72	710.02	625.97	84.05	8.447		
8,700.00	7,626.48	8,690.87	7,863.96	60.60	50.70	109.72	1,356.89	1,898.61	710.91	627.38	83.53	8.511		
8,750.00	7,629.78	8,742.72	7,869.07	60.35	50.40	109.67	1,305.33	1,900.09	711.34	628.32	83.02	8.569		
8,766.45	7,630.00	8,759.81	7,869.78	60.27	50.31	109.70	1,288.26	1,900.26	711.38	628.53	82.85	8.586		
8,800.00	7,630.00	8,806.01	7,870.00	60.10	50.04	109.72	1,254.07	1,900.22	711.39	628.86	82.53	8.620		
8,900.00	7,630.00	8,906.01	7,870.00	59.61	49.50	109.72	1,154.07	1,899.88	711.39	629.49	81.90	8.686		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
9,000.00	7,630.00	9,006.01	7,870.00	59.15	48.98	109.72	1,054.07	1,899.54	711.39	629.98	81.41	8.738		
9,100.00	7,630.00	9,106.01	7,870.00	58.71	48.50	109.72	954.07	1,899.20	711.40	630.34	81.05	8.777		
9,200.00	7,630.00	9,206.01	7,870.00	58.30	48.04	109.72	854.07	1,898.86	711.40	630.56	80.84	8.800		
9,300.00	7,630.00	9,306.01	7,870.00	57.91	47.60	109.72	754.08	1,898.52	711.40	630.64	80.76	8.808		
9,400.00	7,630.00	9,406.01	7,870.00	57.54	47.20	109.72	654.08	1,898.18	711.41	630.58	80.83	8.801		
9,500.00	7,630.00	9,506.01	7,870.00	57.19	46.81	109.72	554.08	1,897.84	711.41	630.38	81.03	8.779		
9,600.00	7,630.00	9,606.01	7,870.00	56.87	46.45	109.72	454.08	1,897.50	711.41	630.03	81.38	8.742		
9,700.00	7,630.00	9,706.01	7,870.00	56.57	46.12	109.72	354.08	1,897.16	711.42	629.55	81.86	8.691		
9,800.00	7,630.00	9,806.01	7,870.00	56.30	45.81	109.72	254.08	1,896.82	711.42	628.94	82.48	8.626		
9,900.00	7,630.00	9,906.01	7,870.00	56.05	45.52	109.72	154.08	1,896.48	711.42	628.19	83.23	8.548		
10,000.00	7,630.00	10,006.01	7,870.00	55.82	45.25	109.72	54.08	1,896.14	711.42	627.32	84.10	8.459		
10,100.00	7,630.00	10,106.01	7,870.00	55.63	45.02	109.72	-45.92	1,895.81	711.43	626.32	85.11	8.359		
10,200.00	7,630.00	10,206.01	7,870.00	55.46	44.81	109.72	-145.92	1,895.47	711.43	625.20	86.23	8.250		
10,300.00	7,630.00	10,306.01	7,870.00	55.32	44.65	109.72	-245.92	1,895.13	711.43	623.97	87.47	8.134		
10,400.00	7,630.00	10,406.01	7,870.00	55.22	44.56	109.72	-345.92	1,894.79	711.44	622.62	88.82	8.010		
10,500.00	7,630.00	10,506.01	7,870.00	55.15	44.59	109.72	-445.92	1,894.45	711.44	621.17	90.27	7.881		
10,600.00	7,630.00	10,606.01	7,870.00	55.14	44.84	109.72	-545.92	1,894.11	711.44	619.62	91.83	7.748		
10,700.00	7,630.00	10,693.99	7,870.00	55.18	45.31	109.71	-645.92	1,893.77	711.44	618.07	93.37	7.619		
10,800.00	7,630.00	10,793.99	7,870.00	55.28	46.09	109.71	-745.92	1,893.43	711.45	616.34	95.11	7.480		
10,900.00	7,630.00	10,906.01	7,870.00	55.47	47.15	109.71	-845.92	1,893.09	711.45	614.41	97.05	7.331		
11,000.00	7,630.00	11,006.01	7,870.00	55.74	48.19	109.71	-945.92	1,892.75	711.45	612.50	98.95	7.190		
11,100.00	7,630.00	11,106.01	7,870.00	56.11	49.29	109.71	-1,045.91	1,892.41	711.46	610.52	100.94	7.048		
11,200.00	7,630.00	11,206.01	7,870.00	56.60	50.44	109.71	-1,145.91	1,892.07	711.46	608.46	103.00	6.908		
11,300.00	7,630.00	11,306.01	7,870.00	57.20	51.62	109.71	-1,245.91	1,891.73	711.46	606.34	105.12	6.768		
11,400.00	7,630.00	11,406.01	7,870.00	57.91	52.83	109.71	-1,345.91	1,891.39	711.47	604.16	107.31	6.630		
11,500.00	7,630.00	11,506.01	7,870.00	58.72	54.08	109.71	-1,445.91	1,891.05	711.47	601.91	109.56	6.494		
11,600.00	7,630.00	11,606.01	7,870.00	59.63	55.35	109.71	-1,545.91	1,890.71	711.47	599.61	111.86	6.360		
11,700.00	7,630.00	11,706.01	7,870.00	60.61	56.64	109.71	-1,645.91	1,890.37	711.47	597.26	114.22	6.229		
11,800.00	7,630.00	11,806.01	7,870.00	61.67	57.96	109.71	-1,745.91	1,890.03	711.48	594.85	116.63	6.101		
11,900.00	7,630.00	11,906.01	7,870.00	62.78	59.29	109.71	-1,845.91	1,889.69	711.48	592.40	119.08	5.975		
12,000.00	7,630.00	12,006.01	7,870.00	63.95	60.65	109.71	-1,945.91	1,889.35	711.48	589.91	121.58	5.852		
12,100.00	7,630.00	12,106.01	7,870.00	65.16	62.02	109.71	-2,045.91	1,889.01	711.49	587.37	124.12	5.732		
12,200.00	7,630.00	12,206.01	7,870.00	66.41	63.41	109.71	-2,145.91	1,888.67	711.49	584.79	126.69	5.616		
12,300.00	7,630.00	12,306.01	7,870.00	67.68	64.82	109.71	-2,245.91	1,888.33	711.49	582.18	129.31	5.502		
12,400.00	7,630.00	12,406.01	7,870.00	68.99	66.24	109.71	-2,345.91	1,887.99	711.50	579.54	131.96	5.392		
12,500.00	7,630.00	12,506.01	7,870.00	70.33	67.68	109.71	-2,445.91	1,887.65	711.50	576.86	134.64	5.285		
12,600.00	7,630.00	12,606.01	7,870.00	71.68	69.13	109.71	-2,545.91	1,887.32	711.50	574.15	137.35	5.180		
12,700.00	7,630.00	12,706.01	7,870.00	73.06	70.59	109.71	-2,645.91	1,886.98	711.50	571.42	140.09	5.079		
12,800.00	7,630.00	12,806.01	7,870.00	74.45	72.07	109.71	-2,745.90	1,886.64	711.51	568.65	142.86	4.981		
12,900.00	7,630.00	12,906.01	7,870.00	75.87	73.56	109.71	-2,845.90	1,886.30	711.51	565.86	145.65	4.885		
13,000.00	7,630.00	13,006.01	7,870.00	77.29	75.05	109.71	-2,945.90	1,885.96	711.51	563.05	148.46	4.793		
13,100.00	7,630.00	13,106.01	7,870.00	78.74	76.56	109.71	-3,045.90	1,885.62	711.52	560.21	151.30	4.703		
13,200.00	7,630.00	13,206.01	7,870.00	80.19	78.08	109.71	-3,145.90	1,885.28	711.52	557.36	154.16	4.615		
13,300.00	7,630.00	13,306.01	7,870.00	81.66	79.60	109.71	-3,245.90	1,884.94	711.52	554.48	157.04	4.531		
13,400.00	7,630.00	13,406.01	7,870.00	83.14	81.14	109.71	-3,345.90	1,884.60	711.53	551.58	159.94	4.449		
13,500.00	7,630.00	13,506.01	7,870.00	84.63	82.68	109.71	-3,445.90	1,884.26	711.53	548.67	162.86	4.369		
13,600.00	7,630.00	13,606.01	7,870.00	86.14	84.23	109.71	-3,545.90	1,883.92	711.53	545.74	165.79	4.292		
13,700.00	7,630.00	13,706.01	7,870.00	87.65	85.79	109.71	-3,645.90	1,883.58	711.53	542.79	168.75	4.217		
13,800.00	7,630.00	13,806.01	7,870.00	89.17	87.36	109.71	-3,745.90	1,883.24	711.54	539.82	171.71	4.144		
13,900.00	7,630.00	13,906.01	7,870.00	90.70	88.93	109.71	-3,845.90	1,882.90	711.54	536.85	174.69	4.073		
14,000.00	7,630.00	14,006.01	7,870.00	92.24	90.51	109.71	-3,945.90	1,882.56	711.54	533.85	177.69	4.004		
14,100.00	7,630.00	14,106.01	7,870.00	93.78	92.09	109.71	-4,045.90	1,882.22	711.55	530.85	180.70	3.938		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	14,206.01	7,870.00	95.33	93.68	109.71	-4,145.90	1,881.88	711.55	527.83	183.72	3.873		
14,300.00	7,630.00	14,306.01	7,870.00	96.89	95.28	109.71	-4,245.90	1,881.54	711.55	524.80	186.75	3.810		
14,400.00	7,630.00	14,406.01	7,870.00	98.46	96.88	109.71	-4,345.90	1,881.20	711.55	521.76	189.79	3.749		
14,500.00	7,630.00	14,506.01	7,870.00	100.03	98.49	109.71	-4,445.90	1,880.86	711.56	518.71	192.85	3.690		
14,600.00	7,630.00	14,593.99	7,870.00	101.61	99.91	109.71	-4,545.89	1,880.52	711.56	515.83	195.73	3.635		
14,700.00	7,630.00	14,706.01	7,870.00	103.20	101.72	109.71	-4,645.89	1,880.18	711.56	512.57	198.99	3.576		
14,800.00	7,630.00	14,806.01	7,870.00	104.78	103.34	109.71	-4,745.89	1,879.84	711.57	509.49	202.07	3.521		
14,900.00	7,630.00	14,906.01	7,870.00	106.38	104.96	109.71	-4,845.89	1,879.50	711.57	506.40	205.17	3.468		
15,000.00	7,630.00	15,006.01	7,870.00	107.98	106.59	109.71	-4,945.89	1,879.16	711.57	503.30	208.27	3.417		
15,100.00	7,630.00	15,106.01	7,870.00	109.58	108.23	109.71	-5,045.89	1,878.83	711.58	500.20	211.38	3.366		
15,200.00	7,630.00	15,206.01	7,870.00	111.19	109.87	109.71	-5,145.89	1,878.49	711.58	497.08	214.50	3.317		
15,300.00	7,630.00	15,306.01	7,870.00	112.81	111.51	109.71	-5,245.89	1,878.15	711.58	493.96	217.62	3.270		
15,400.00	7,630.00	15,406.01	7,870.00	114.42	113.15	109.71	-5,345.89	1,877.81	711.58	490.83	220.76	3.223		
15,500.00	7,630.00	15,506.01	7,870.00	116.05	114.80	109.71	-5,445.89	1,877.47	711.59	487.69	223.90	3.178		
15,600.00	7,630.00	15,606.01	7,870.00	117.67	116.45	109.71	-5,545.89	1,877.13	711.59	484.55	227.04	3.134		
15,700.00	7,630.00	15,706.01	7,870.00	119.30	118.10	109.71	-5,645.89	1,876.79	711.59	481.40	230.19	3.091		
15,800.00	7,630.00	15,806.01	7,870.00	120.93	119.76	109.71	-5,745.89	1,876.45	711.60	478.24	233.35	3.049		
15,900.00	7,630.00	15,906.01	7,870.00	122.57	121.42	109.71	-5,845.89	1,876.11	711.60	475.08	236.52	3.009		
16,000.00	7,630.00	16,006.01	7,870.00	124.21	123.08	109.71	-5,945.89	1,875.77	711.60	471.91	239.69	2.969		
16,100.00	7,630.00	16,106.01	7,870.00	125.85	124.75	109.71	-6,045.89	1,875.43	711.61	468.74	242.86	2.930		
16,200.00	7,630.00	16,206.01	7,870.00	127.50	126.42	109.71	-6,145.89	1,875.09	711.61	465.56	246.04	2.892		
16,300.00	7,630.00	16,306.01	7,870.00	129.15	128.09	109.71	-6,245.88	1,874.75	711.61	462.38	249.23	2.855		
16,400.00	7,630.00	16,406.01	7,870.00	130.80	129.76	109.71	-6,345.88	1,874.41	711.61	459.19	252.42	2.819		
16,500.00	7,630.00	16,506.01	7,870.00	132.46	131.44	109.71	-6,445.88	1,874.07	711.62	456.00	255.62	2.784		
16,600.00	7,630.00	16,606.01	7,870.00	134.11	133.11	109.71	-6,545.88	1,873.73	711.62	452.80	258.82	2.750		
16,700.00	7,630.00	16,693.99	7,870.00	135.77	134.59	109.71	-6,645.88	1,873.39	711.62	449.80	261.83	2.718		
16,800.00	7,630.00	16,806.01	7,870.00	137.43	136.47	109.71	-6,745.88	1,873.05	711.63	446.40	265.23	2.683		
16,900.00	7,630.00	16,906.01	7,870.00	139.10	138.16	109.71	-6,845.88	1,872.71	711.63	443.19	268.44	2.651		
17,000.00	7,630.00	17,006.01	7,870.00	140.77	139.84	109.71	-6,945.88	1,872.37	711.63	439.98	271.65	2.620		
17,100.00	7,630.00	17,106.01	7,870.00	142.44	141.53	109.71	-7,045.88	1,872.03	711.64	436.76	274.87	2.589		
17,200.00	7,630.00	17,206.01	7,870.00	144.11	143.22	109.71	-7,145.88	1,871.69	711.64	433.54	278.10	2.559		
17,300.00	7,630.00	17,306.01	7,870.00	145.78	144.91	109.71	-7,245.88	1,871.35	711.64	430.32	281.32	2.530		
17,400.00	7,630.00	17,406.01	7,870.00	147.46	146.60	109.71	-7,345.88	1,871.01	711.64	427.09	284.55	2.501		
17,500.00	7,630.00	17,506.01	7,870.00	149.13	148.30	109.71	-7,445.88	1,870.67	711.65	423.86	287.79	2.473		
17,600.00	7,630.00	17,606.01	7,870.00	150.81	149.99	109.71	-7,545.88	1,870.34	711.65	420.63	291.02	2.445		
17,700.00	7,630.00	17,706.01	7,870.00	152.49	151.69	109.71	-7,645.88	1,870.00	711.65	417.39	294.26	2.418		
17,800.00	7,630.00	17,806.01	7,870.00	154.18	153.39	109.71	-7,745.88	1,869.66	711.66	414.15	297.50	2.392		
17,900.00	7,630.00	17,906.01	7,870.00	155.86	155.09	109.71	-7,845.88	1,869.32	711.66	410.91	300.75	2.366		
18,000.00	7,630.00	18,006.01	7,870.00	157.55	156.79	109.71	-7,945.87	1,868.98	711.66	407.67	304.00	2.341		
18,100.00	7,630.00	18,106.01	7,870.00	159.24	158.49	109.71	-8,045.87	1,868.64	711.66	404.42	307.25	2.316		
18,200.00	7,630.00	18,206.01	7,870.00	160.92	160.20	109.71	-8,145.87	1,868.30	711.67	401.17	310.50	2.292		
18,300.00	7,630.00	18,306.01	7,870.00	162.62	161.90	109.71	-8,245.87	1,867.96	711.67	397.92	313.76	2.268		
18,400.00	7,630.00	18,393.99	7,870.00	164.31	163.40	109.71	-8,345.87	1,867.62	711.67	394.86	316.82	2.246		
18,458.39	7,630.00	18,452.39	7,870.00	165.30	164.40	109.71	-8,404.26	1,867.42	711.68	392.96	318.72	2.233 SF		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	0.00	0.00	0.00	0.00	-90.00	0.00	-10.08	10.08					
100.00	100.00	100.00	100.00	0.13	0.13	-90.00	0.00	-10.08	10.08	9.81	0.27	37.493		
200.00	200.00	200.00	200.00	0.49	0.49	-90.00	0.00	-10.08	10.08	9.09	0.99	10.225		
300.00	300.00	300.00	300.00	0.85	0.85	-90.00	0.00	-10.08	10.08	8.38	1.70	5.920		
400.00	400.00	400.00	400.00	1.21	1.21	-90.00	0.00	-10.08	10.08	7.66	2.42	4.166		
500.00	500.00	500.00	500.00	1.57	1.57	-90.00	0.00	-10.08	10.08	6.94	3.14	3.214		
600.00	600.00	600.00	600.00	1.93	1.93	-90.00	0.00	-10.08	10.08	6.23	3.85	2.616		
700.00	700.00	700.00	700.00	2.29	2.29	-90.00	0.00	-10.08	10.08	5.51	4.57	2.205		
800.00	800.00	800.00	800.00	2.64	2.64	-90.00	0.00	-10.08	10.08	4.79	5.29	1.906		
900.00	900.00	900.00	900.00	3.00	3.00	-90.00	0.00	-10.08	10.08	4.08	6.00	1.679		
1,000.00	1,000.00	1,000.00	1,000.00	3.36	3.36	-90.00	0.00	-10.08	10.08	3.36	6.72	1.500	Level 3	
1,100.00	1,100.00	1,100.00	1,100.00	3.72	3.72	-90.00	0.00	-10.08	10.08	2.64	7.44	1.355	Level 3, CC, ES	
1,200.00	1,199.98	1,199.98	1,199.98	4.07	4.08	-146.53	0.00	-10.08	11.49	3.34	8.15	1.410	Level 3	
1,300.00	1,299.84	1,300.30	1,300.28	4.43	4.43	-153.71	1.19	-8.79	14.58	5.72	8.86	1.646		
1,400.00	1,399.45	1,400.74	1,400.58	4.79	4.79	-157.61	4.78	-4.93	17.91	8.35	9.55	1.874		
1,500.00	1,498.70	1,501.30	1,500.75	5.15	5.15	-159.65	10.77	1.52	21.36	11.12	10.24	2.086		
1,600.00	1,597.47	1,601.98	1,600.66	5.53	5.52	-160.59	19.16	10.55	24.91	13.98	10.93	2.279		
1,700.00	1,695.62	1,702.78	1,700.20	5.93	5.90	-160.82	29.94	22.17	28.52	16.90	11.61	2.456		
1,800.00	1,793.06	1,803.70	1,799.24	6.35	6.30	-160.57	43.12	36.36	32.18	19.89	12.29	2.618		
1,900.00	1,889.64	1,904.73	1,897.64	6.79	6.71	-160.00	58.69	53.12	35.90	22.92	12.98	2.766		
2,000.00	1,985.27	2,005.87	1,995.29	7.27	7.16	-159.19	76.62	72.43	39.68	26.00	13.68	2.901		
2,100.00	2,079.82	2,107.13	2,092.04	7.79	7.64	-158.22	96.91	94.29	43.52	29.13	14.39	3.024		
2,200.00	2,173.17	2,208.49	2,187.79	8.36	8.16	-157.11	119.55	118.66	47.42	32.29	15.13	3.134		
2,300.00	2,265.21	2,309.97	2,282.40	8.97	8.73	-155.92	144.50	145.53	51.39	35.48	15.91	3.230		
2,400.00	2,355.84	2,411.55	2,375.75	9.64	9.35	-154.66	171.74	174.87	55.43	38.70	16.73	3.313		
2,500.00	2,444.94	2,513.23	2,467.72	10.36	10.01	-153.34	201.25	206.65	59.55	41.94	17.62	3.381		
2,591.69	2,525.19	2,606.06	2,550.34	11.07	10.67	-152.17	230.05	237.66	63.49	44.98	18.51	3.430		
2,600.00	2,532.40	2,614.36	2,557.69	11.14	10.73	-152.10	232.67	240.48	63.91	45.31	18.60	3.435		
2,700.00	2,619.15	2,714.23	2,646.18	11.96	11.48	-151.30	264.16	274.40	68.92	49.22	19.70	3.499		
2,800.00	2,705.89	2,814.10	2,734.68	12.81	12.24	-150.61	295.66	308.32	73.94	53.12	20.83	3.551		
2,900.00	2,792.64	2,913.97	2,823.17	13.67	13.02	-150.00	327.16	342.24	78.97	56.99	21.98	3.592		
3,000.00	2,879.39	3,013.84	2,911.67	14.55	13.82	-149.47	358.65	376.16	84.01	60.84	23.17	3.626		
3,100.00	2,966.14	3,113.71	3,000.17	15.44	14.63	-149.00	390.15	410.08	89.06	64.68	24.38	3.653		
3,200.00	3,052.88	3,213.58	3,088.66	16.34	15.45	-148.58	421.65	444.00	94.11	68.50	25.61	3.675		
3,300.00	3,139.63	3,313.45	3,177.16	17.25	16.28	-148.21	453.15	477.92	99.16	72.30	26.86	3.692		
3,400.00	3,226.38	3,413.32	3,265.65	18.17	17.11	-147.87	484.64	511.84	104.22	76.10	28.12	3.706		
3,500.00	3,313.12	3,513.19	3,354.15	19.09	17.96	-147.56	516.14	545.76	109.28	79.88	29.40	3.717		
3,600.00	3,399.87	3,613.06	3,442.64	20.02	18.80	-147.28	547.64	579.68	114.35	83.66	30.69	3.726		
3,700.00	3,486.62	3,712.93	3,531.14	20.96	19.66	-147.02	579.14	613.60	119.41	87.43	31.99	3.733		
3,800.00	3,573.37	3,812.80	3,619.63	21.90	20.51	-146.78	610.63	647.52	124.48	91.19	33.30	3.739		
3,900.00	3,660.11	3,912.67	3,708.13	22.84	21.37	-146.56	642.13	681.44	129.55	94.94	34.61	3.743		
4,000.00	3,746.86	4,012.54	3,796.62	23.78	22.24	-146.36	673.63	715.36	134.63	98.69	35.94	3.746		
4,100.00	3,833.61	4,112.41	3,885.12	24.73	23.11	-146.17	705.13	749.28	139.70	102.43	37.27	3.748		
4,200.00	3,920.35	4,212.28	3,973.61	25.68	23.97	-146.00	736.62	783.20	144.78	106.17	38.61	3.750		
4,300.00	4,007.10	4,312.15	4,062.11	26.63	24.85	-145.84	768.12	817.12	149.86	109.90	39.95	3.751		
4,400.00	4,093.85	4,412.02	4,150.60	27.59	25.72	-145.69	799.62	851.04	154.93	113.63	41.30	3.751		
4,500.00	4,180.60	4,511.89	4,239.10	28.55	26.60	-145.54	831.12	884.96	160.01	117.36	42.66	3.751		
4,600.00	4,267.34	4,611.76	4,327.59	29.50	27.47	-145.41	862.61	918.88	165.09	121.08	44.02	3.751		
4,700.00	4,354.09	4,711.63	4,416.09	30.46	28.35	-145.29	894.11	952.80	170.17	124.80	45.38	3.750		
4,800.00	4,440.84	4,811.50	4,504.58	31.42	29.23	-145.17	925.61	986.72	175.26	128.51	46.74	3.749		
4,900.00	4,527.58	4,911.37	4,593.08	32.39	30.12	-145.06	957.10	1,020.64	180.34	132.23	48.11	3.748		
5,000.00	4,614.33	5,011.24	4,681.57	33.35	31.00	-144.95	988.60	1,054.56	185.42	135.94	49.48	3.747		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,701.08	5,111.11	4,770.07	34.31	31.88	-144.85	1,020.10	1,088.48	190.51	139.65	50.86	3.746		
5,200.00	4,787.82	5,210.98	4,858.56	35.28	32.77	-144.76	1,051.60	1,122.40	195.59	143.36	52.23	3.744		
5,300.00	4,874.57	5,310.85	4,947.06	36.25	33.66	-144.67	1,083.09	1,156.32	200.68	147.06	53.61	3.743		
5,400.00	4,961.32	5,410.72	5,035.55	37.21	34.54	-144.58	1,114.59	1,190.24	205.76	150.77	55.00	3.741		
5,500.00	5,048.07	5,510.59	5,124.05	38.18	35.43	-144.50	1,146.09	1,224.16	210.85	154.47	56.38	3.740		
5,600.00	5,134.81	5,610.46	5,212.54	39.15	36.32	-144.42	1,177.59	1,258.08	215.93	158.17	57.76	3.738		
5,700.00	5,221.56	5,710.33	5,301.04	40.12	37.21	-144.35	1,209.08	1,292.00	221.02	161.87	59.15	3.736		
5,800.00	5,308.31	5,810.20	5,389.54	41.09	38.10	-144.28	1,240.58	1,325.92	226.11	165.57	60.54	3.735		
5,900.00	5,395.05	5,910.07	5,478.03	42.06	38.99	-144.21	1,272.08	1,359.84	231.19	169.26	61.93	3.733		
6,000.00	5,481.80	6,009.94	5,566.53	43.03	39.88	-144.15	1,303.58	1,393.76	236.28	172.96	63.32	3.731		
6,100.00	5,568.55	6,109.81	5,655.02	44.00	40.77	-144.09	1,335.07	1,427.68	241.37	176.65	64.72	3.730		
6,200.00	5,655.30	6,209.68	5,743.52	44.97	41.66	-144.03	1,366.57	1,461.60	246.46	180.35	66.11	3.728		
6,300.00	5,742.04	6,309.55	5,832.01	45.94	42.56	-143.97	1,398.07	1,495.52	251.55	184.04	67.51	3.726		
6,400.00	5,828.79	6,409.42	5,920.51	46.92	43.45	-143.92	1,429.56	1,529.44	256.64	187.73	68.90	3.725		
6,500.00	5,915.54	6,509.29	6,009.00	47.89	44.34	-143.86	1,461.06	1,563.36	261.72	191.42	70.30	3.723		
6,600.00	6,002.28	6,609.16	6,097.50	48.86	45.24	-143.81	1,492.56	1,597.28	266.81	195.11	71.70	3.721		
6,700.00	6,089.03	6,709.03	6,185.99	49.83	46.13	-143.76	1,524.06	1,631.20	271.90	198.80	73.10	3.720		
6,800.00	6,175.78	6,808.90	6,274.49	50.81	47.02	-143.72	1,555.55	1,665.12	276.99	202.49	74.50	3.718		
6,900.00	6,262.53	6,908.77	6,362.98	51.78	47.92	-143.67	1,587.05	1,699.04	282.08	206.18	75.90	3.716		
7,000.00	6,349.27	7,008.64	6,451.48	52.76	48.81	-143.63	1,618.55	1,732.96	287.17	209.87	77.30	3.715		
7,100.00	6,436.02	7,108.51	6,539.97	53.73	49.71	-143.59	1,650.05	1,766.88	292.26	213.56	78.71	3.713		
7,200.00	6,522.77	7,208.38	6,628.47	54.71	50.60	-143.55	1,681.54	1,800.80	297.35	217.24	80.11	3.712		
7,300.00	6,609.51	7,308.25	6,716.96	55.68	51.50	-143.51	1,713.04	1,834.72	302.44	220.93	81.51	3.710		
7,400.00	6,696.26	7,408.12	6,805.46	56.66	52.39	-143.47	1,744.54	1,868.64	307.53	224.61	82.92	3.709		
7,500.00	6,783.01	7,507.99	6,893.95	57.63	53.29	-143.43	1,776.04	1,902.56	312.62	228.30	84.32	3.707		
7,600.00	6,869.76	7,607.87	6,982.45	58.61	54.19	-143.40	1,807.53	1,936.48	317.71	231.98	85.73	3.706		
7,683.49	6,942.18	7,691.36	7,056.73	59.42	54.93	-143.56	1,832.84	1,964.95	321.96	235.23	86.73	3.712		
7,700.00	6,956.57	7,707.85	7,071.67	59.58	55.06	-146.25	1,836.84	1,970.67	322.80	236.01	86.79	3.719		
7,750.00	7,000.85	7,757.61	7,117.32	60.04	55.45	-155.40	1,846.12	1,988.15	325.40	238.48	86.92	3.744		
7,800.00	7,045.94	7,807.13	7,163.31	60.46	55.79	-165.99	1,851.10	2,005.74	328.08	241.11	86.97	3.772		
7,850.00	7,091.49	7,856.40	7,209.32	60.84	56.08	-177.62	1,851.82	2,023.32	330.81	243.86	86.95	3.804		
7,900.00	7,137.15	7,905.44	7,255.00	61.17	56.32	170.46	1,848.33	2,040.76	333.57	246.70	86.88	3.840		
7,950.00	7,182.58	7,954.26	7,300.05	61.44	56.51	159.16	1,840.72	2,057.94	336.33	249.58	86.75	3.877		
8,000.00	7,227.43	8,002.87	7,344.14	61.67	56.65	149.14	1,829.09	2,074.75	339.07	252.48	86.59	3.916		
8,050.00	7,271.36	8,051.29	7,386.98	61.84	56.74	140.65	1,813.58	2,091.07	341.77	255.37	86.40	3.956		
8,100.00	7,314.04	8,099.53	7,428.31	61.96	56.79	133.64	1,794.33	2,106.79	344.40	258.20	86.20	3.995		
8,150.00	7,355.14	8,147.60	7,467.85	62.04	56.80	127.91	1,771.51	2,121.82	346.94	260.95	85.99	4.035		
8,200.00	7,394.34	8,195.53	7,505.35	62.07	56.77	123.24	1,745.32	2,136.06	349.36	263.59	85.77	4.073		
8,250.00	7,431.36	8,243.32	7,540.59	62.06	56.71	119.43	1,715.95	2,149.43	351.65	266.10	85.56	4.110		
8,300.00	7,465.90	8,291.00	7,573.35	62.01	56.61	116.31	1,683.62	2,161.83	353.79	268.45	85.35	4.145		
8,350.00	7,497.71	8,338.57	7,603.42	61.93	56.48	113.76	1,648.58	2,173.21	355.76	270.61	85.15	4.178		
8,400.00	7,526.53	8,386.06	7,630.64	61.81	56.33	111.68	1,611.05	2,183.48	357.54	272.59	84.95	4.209		
8,450.00	7,552.17	8,433.49	7,654.83	61.66	56.15	109.99	1,571.31	2,192.58	359.11	274.34	84.77	4.236		
8,500.00	7,574.41	8,480.86	7,675.84	61.48	55.96	108.65	1,529.61	2,200.47	360.47	275.87	84.60	4.261		
8,550.00	7,593.09	8,528.20	7,693.56	61.29	55.74	107.60	1,486.23	2,207.09	361.61	277.16	84.45	4.282		
8,600.00	7,608.07	8,575.52	7,707.88	61.07	55.52	106.83	1,441.46	2,212.41	362.50	278.19	84.31	4.300		
8,650.00	7,619.23	8,622.83	7,718.69	60.84	55.28	106.30	1,395.58	2,216.38	363.15	278.98	84.18	4.314		
8,700.00	7,626.48	8,670.16	7,725.93	60.60	55.03	106.00	1,348.89	2,218.99	363.55	279.50	84.05	4.325		
8,750.00	7,629.78	8,717.52	7,729.56	60.35	54.77	105.93	1,301.70	2,220.22	363.71	279.77	83.94	4.333		
8,766.45	7,630.00	8,733.11	7,729.95	60.27	54.69	105.95	1,286.12	2,220.31	363.70	279.80	83.90	4.335		
8,768.68	7,630.00	8,746.75	7,730.00	60.26	54.62	105.96	1,284.31	2,220.33	363.70	279.81	83.88	4.336		
8,800.00	7,630.00	8,766.24	7,730.00	60.10	54.51	105.96	1,252.99	2,220.22	363.70	280.02	83.68	4.346		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
8,900.00	7,630.00	8,866.24	7,730.00	59.61	53.99	105.96	1,152.99	2,219.88	363.70	280.74	82.97	4.384		
9,000.00	7,630.00	8,966.24	7,730.00	59.15	53.49	105.96	1,052.99	2,219.54	363.71	281.32	82.39	4.415		
9,100.00	7,630.00	9,066.24	7,730.00	58.71	53.03	105.96	952.99	2,219.20	363.71	281.77	81.95	4.438		
9,200.00	7,630.00	9,166.24	7,730.00	58.30	52.58	105.96	852.99	2,218.86	363.72	282.07	81.65	4.455		
9,300.00	7,630.00	9,266.24	7,730.00	57.91	52.17	105.96	752.99	2,218.51	363.72	282.23	81.49	4.463		
9,400.00	7,630.00	9,366.24	7,730.00	57.54	51.77	105.96	652.99	2,218.17	363.72	282.25	81.48	4.464		
9,500.00	7,630.00	9,466.24	7,730.00	57.19	51.41	105.96	552.99	2,217.83	363.73	282.12	81.61	4.457		
9,600.00	7,630.00	9,566.24	7,730.00	56.87	51.06	105.96	452.99	2,217.49	363.73	281.85	81.88	4.442		
9,700.00	7,630.00	9,666.24	7,730.00	56.57	50.74	105.96	353.00	2,217.15	363.74	281.44	82.30	4.420		
9,800.00	7,630.00	9,766.24	7,730.00	56.30	50.45	105.96	253.00	2,216.81	363.74	280.89	82.85	4.390		
9,900.00	7,630.00	9,866.24	7,730.00	56.05	50.18	105.96	153.00	2,216.47	363.75	280.20	83.55	4.354		
10,000.00	7,630.00	9,966.24	7,730.00	55.82	49.93	105.96	53.00	2,216.13	363.75	279.38	84.37	4.311		
10,100.00	7,630.00	10,066.24	7,730.00	55.63	49.72	105.96	-47.00	2,215.79	363.75	278.43	85.33	4.263		
10,200.00	7,630.00	10,166.24	7,730.00	55.46	49.53	105.96	-147.00	2,215.45	363.76	277.35	86.41	4.210		
10,300.00	7,630.00	10,266.24	7,730.00	55.32	49.39	105.96	-247.00	2,215.11	363.76	276.15	87.61	4.152		
10,400.00	7,630.00	10,366.24	7,730.00	55.22	49.29	105.96	-347.00	2,214.76	363.77	274.84	88.93	4.090		
10,500.00	7,630.00	10,466.24	7,730.00	55.15	49.25	105.96	-447.00	2,214.42	363.77	273.41	90.36	4.026		
10,600.00	7,630.00	10,566.24	7,730.00	55.14	49.28	105.96	-547.00	2,214.08	363.78	271.88	91.89	3.959		
10,700.00	7,630.00	10,666.24	7,730.00	55.18	49.42	105.96	-647.00	2,213.74	363.78	270.25	93.53	3.890		
10,800.00	7,630.00	10,766.24	7,730.00	55.28	49.70	105.96	-747.00	2,213.40	363.79	268.53	95.26	3.819		
10,900.00	7,630.00	10,866.24	7,730.00	55.47	50.12	105.96	-847.00	2,213.06	363.79	266.71	97.08	3.747		
11,000.00	7,630.00	10,966.24	7,730.00	55.74	50.72	105.95	-947.00	2,212.72	363.79	264.81	98.98	3.675		
11,100.00	7,630.00	11,066.24	7,730.00	56.11	51.46	105.95	-1,047.00	2,212.38	363.80	262.83	100.97	3.603		
11,200.00	7,630.00	11,166.24	7,730.00	56.60	52.34	105.95	-1,147.00	2,212.04	363.80	260.77	103.03	3.531		
11,300.00	7,630.00	11,266.24	7,730.00	57.20	53.32	105.95	-1,247.00	2,211.70	363.81	258.64	105.16	3.459		
11,400.00	7,630.00	11,366.24	7,730.00	57.91	54.38	105.95	-1,346.99	2,211.35	363.81	256.45	107.36	3.389		
11,500.00	7,630.00	11,466.24	7,730.00	58.72	55.50	105.95	-1,446.99	2,211.01	363.82	254.19	109.62	3.319		
11,600.00	7,630.00	11,566.24	7,730.00	59.63	56.67	105.95	-1,546.99	2,210.67	363.82	251.87	111.95	3.250		
11,700.00	7,630.00	11,666.24	7,730.00	60.61	57.88	105.95	-1,646.99	2,210.33	363.82	249.50	114.32	3.182		
11,800.00	7,630.00	11,766.24	7,730.00	61.67	59.13	105.95	-1,746.99	2,209.99	363.83	247.08	116.75	3.116		
11,900.00	7,630.00	11,866.24	7,730.00	62.78	60.40	105.95	-1,846.99	2,209.65	363.83	244.60	119.23	3.051		
12,000.00	7,630.00	11,966.24	7,730.00	63.95	61.71	105.95	-1,946.99	2,209.31	363.84	242.08	121.76	2.988		
12,100.00	7,630.00	12,066.24	7,730.00	65.16	63.04	105.95	-2,046.99	2,208.97	363.84	239.52	124.32	2.927		
12,200.00	7,630.00	12,166.24	7,730.00	66.41	64.39	105.95	-2,146.99	2,208.63	363.85	236.91	126.93	2.866		
12,300.00	7,630.00	12,266.24	7,730.00	67.68	65.76	105.95	-2,246.99	2,208.29	363.85	234.27	129.58	2.808		
12,400.00	7,630.00	12,366.24	7,730.00	68.99	67.15	105.95	-2,346.99	2,207.94	363.86	231.60	132.26	2.751		
12,500.00	7,630.00	12,466.24	7,730.00	70.33	68.55	105.95	-2,446.99	2,207.60	363.86	228.88	134.98	2.696		
12,600.00	7,630.00	12,566.24	7,730.00	71.68	69.97	105.95	-2,546.99	2,207.26	363.86	226.14	137.72	2.642		
12,700.00	7,630.00	12,666.24	7,730.00	73.06	71.41	105.95	-2,646.99	2,206.92	363.87	223.37	140.50	2.590		
12,800.00	7,630.00	12,766.24	7,730.00	74.45	72.86	105.95	-2,746.99	2,206.58	363.87	220.57	143.31	2.539		
12,900.00	7,630.00	12,866.24	7,730.00	75.87	74.32	105.95	-2,846.99	2,206.24	363.88	217.74	146.14	2.490		
13,000.00	7,630.00	12,966.24	7,730.00	77.29	75.79	105.95	-2,946.99	2,205.90	363.88	214.89	148.99	2.442		
13,100.00	7,630.00	13,066.24	7,730.00	78.74	77.28	105.95	-3,046.98	2,205.56	363.89	212.01	151.87	2.396		
13,200.00	7,630.00	13,166.24	7,730.00	80.19	78.77	105.95	-3,146.98	2,205.22	363.89	209.11	154.78	2.351		
13,300.00	7,630.00	13,266.24	7,730.00	81.66	80.28	105.95	-3,246.98	2,204.88	363.89	206.19	157.70	2.307		
13,400.00	7,630.00	13,366.24	7,730.00	83.14	81.80	105.95	-3,346.98	2,204.53	363.90	203.25	160.64	2.265		
13,500.00	7,630.00	13,466.24	7,730.00	84.63	83.32	105.95	-3,446.98	2,204.19	363.90	200.30	163.61	2.224		
13,600.00	7,630.00	13,566.24	7,730.00	86.14	84.85	105.95	-3,546.98	2,203.85	363.91	197.32	166.59	2.184		
13,700.00	7,630.00	13,666.24	7,730.00	87.65	86.39	105.95	-3,646.98	2,203.51	363.91	194.33	169.58	2.146		
13,800.00	7,630.00	13,766.24	7,730.00	89.17	87.94	105.95	-3,746.98	2,203.17	363.92	191.32	172.60	2.108		
13,900.00	7,630.00	13,866.24	7,730.00	90.70	89.50	105.95	-3,846.98	2,202.83	363.92	188.30	175.62	2.072		
14,000.00	7,630.00	13,966.24	7,730.00	92.24	91.06	105.95	-3,946.98	2,202.49	363.92	185.26	178.67	2.037		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
14,100.00	7,630.00	14,066.24	7,730.00	93.78	92.63	105.95	-4,046.98	2,202.15	363.93	182.21	181.72	2.003		
14,200.00	7,630.00	14,166.24	7,730.00	95.33	94.21	105.95	-4,146.98	2,201.81	363.93	179.14	184.79	1.969		
14,300.00	7,630.00	14,266.24	7,730.00	96.89	95.79	105.95	-4,246.98	2,201.47	363.94	176.06	187.87	1.937		
14,400.00	7,630.00	14,366.24	7,730.00	98.46	97.38	105.95	-4,346.98	2,201.12	363.94	172.97	190.97	1.906		
14,500.00	7,630.00	14,466.24	7,730.00	100.03	98.97	105.95	-4,446.98	2,200.78	363.95	169.87	194.07	1.875		
14,600.00	7,630.00	14,566.24	7,730.00	101.61	100.57	105.95	-4,546.98	2,200.44	363.95	166.76	197.19	1.846		
14,700.00	7,630.00	14,666.24	7,730.00	103.20	102.17	105.95	-4,646.98	2,200.10	363.96	163.64	200.31	1.817		
14,800.00	7,630.00	14,766.24	7,730.00	104.78	103.78	105.95	-4,746.97	2,199.76	363.96	160.51	203.45	1.789		
14,900.00	7,630.00	14,866.24	7,730.00	106.38	105.40	105.95	-4,846.97	2,199.42	363.96	157.37	206.59	1.762		
15,000.00	7,630.00	14,966.24	7,730.00	107.98	107.01	105.95	-4,946.97	2,199.08	363.97	154.22	209.75	1.735		
15,100.00	7,630.00	15,066.24	7,730.00	109.58	108.64	105.95	-5,046.97	2,198.74	363.97	151.07	212.91	1.710		
15,200.00	7,630.00	15,166.24	7,730.00	111.19	110.26	105.95	-5,146.97	2,198.40	363.98	147.90	216.08	1.684		
15,300.00	7,630.00	15,266.24	7,730.00	112.81	111.89	105.95	-5,246.97	2,198.06	363.98	144.73	219.25	1.660		
15,400.00	7,630.00	15,366.24	7,730.00	114.42	113.52	105.95	-5,346.97	2,197.71	363.99	141.55	222.44	1.636		
15,500.00	7,630.00	15,466.24	7,730.00	116.05	115.16	105.95	-5,446.97	2,197.37	363.99	138.36	225.63	1.613		
15,600.00	7,630.00	15,566.24	7,730.00	117.67	116.80	105.95	-5,546.97	2,197.03	363.99	135.17	228.83	1.591		
15,700.00	7,630.00	15,666.24	7,730.00	119.30	118.45	105.95	-5,646.97	2,196.69	364.00	131.96	232.03	1.569		
15,800.00	7,630.00	15,766.24	7,730.00	120.93	120.09	105.95	-5,746.97	2,196.35	364.00	128.76	235.25	1.547		
15,900.00	7,630.00	15,866.24	7,730.00	122.57	121.74	105.95	-5,846.97	2,196.01	364.01	125.54	238.46	1.526		
16,000.00	7,630.00	15,966.24	7,730.00	124.21	123.40	105.95	-5,946.97	2,195.67	364.01	122.33	241.69	1.506		
16,100.00	7,630.00	16,066.24	7,730.00	125.85	125.05	105.94	-6,046.97	2,195.33	364.02	119.10	244.92	1.486 Level 3		
16,200.00	7,630.00	16,166.24	7,730.00	127.50	126.71	105.94	-6,146.97	2,194.99	364.02	115.87	248.15	1.467 Level 3		
16,300.00	7,630.00	16,266.24	7,730.00	129.15	128.37	105.94	-6,246.97	2,194.65	364.03	112.64	251.39	1.448 Level 3		
16,400.00	7,630.00	16,366.24	7,730.00	130.80	130.04	105.94	-6,346.97	2,194.31	364.03	109.40	254.63	1.430 Level 3		
16,500.00	7,630.00	16,466.24	7,730.00	132.46	131.70	105.94	-6,446.97	2,193.96	364.03	106.15	257.88	1.412 Level 3		
16,600.00	7,630.00	16,566.24	7,730.00	134.11	133.37	105.94	-6,546.96	2,193.62	364.04	102.90	261.13	1.394 Level 3		
16,700.00	7,630.00	16,666.24	7,730.00	135.77	135.04	105.94	-6,646.96	2,193.28	364.04	99.65	264.39	1.377 Level 3		
16,800.00	7,630.00	16,766.24	7,730.00	137.43	136.72	105.94	-6,746.96	2,192.94	364.05	96.39	267.65	1.360 Level 3		
16,900.00	7,630.00	16,866.24	7,730.00	139.10	138.39	105.94	-6,846.96	2,192.60	364.05	93.13	270.92	1.344 Level 3		
17,000.00	7,630.00	16,966.24	7,730.00	140.77	140.07	105.94	-6,946.96	2,192.26	364.06	89.87	274.19	1.328 Level 3		
17,100.00	7,630.00	17,066.24	7,730.00	142.44	141.75	105.94	-7,046.96	2,191.92	364.06	86.60	277.46	1.312 Level 3		
17,200.00	7,630.00	17,166.24	7,730.00	144.11	143.43	105.94	-7,146.96	2,191.58	364.06	83.32	280.74	1.297 Level 3		
17,300.00	7,630.00	17,266.24	7,730.00	145.78	145.12	105.94	-7,246.96	2,191.24	364.07	80.05	284.02	1.282 Level 3		
17,400.00	7,630.00	17,366.24	7,730.00	147.46	146.80	105.94	-7,346.96	2,190.90	364.07	76.77	287.31	1.267 Level 3		
17,500.00	7,630.00	17,466.24	7,730.00	149.13	148.49	105.94	-7,446.96	2,190.55	364.08	73.48	290.59	1.253 Level 3		
17,600.00	7,630.00	17,566.24	7,730.00	150.81	150.18	105.94	-7,546.96	2,190.21	364.08	70.20	293.88	1.239 Level 2		
17,700.00	7,630.00	17,666.24	7,730.00	152.49	151.87	105.94	-7,646.96	2,189.87	364.09	66.91	297.18	1.225 Level 2		
17,800.00	7,630.00	17,766.24	7,730.00	154.18	153.56	105.94	-7,746.96	2,189.53	364.09	63.62	300.48	1.212 Level 2		
17,900.00	7,630.00	17,866.24	7,730.00	155.86	155.25	105.94	-7,846.96	2,189.19	364.09	60.32	303.77	1.199 Level 2		
18,000.00	7,630.00	17,966.24	7,730.00	157.55	156.95	105.94	-7,946.96	2,188.85	364.10	57.02	307.08	1.186 Level 2		
18,100.00	7,630.00	18,066.24	7,730.00	159.24	158.65	105.94	-8,046.96	2,188.51	364.10	53.72	310.38	1.173 Level 2		
18,200.00	7,630.00	18,166.24	7,730.00	160.92	160.34	105.94	-8,146.96	2,188.17	364.11	50.42	313.69	1.161 Level 2		
18,300.00	7,630.00	18,266.24	7,730.00	162.62	162.04	105.94	-8,246.95	2,187.83	364.11	47.11	317.00	1.149 Level 2		
18,400.00	7,630.00	18,366.24	7,730.00	164.31	163.74	105.94	-8,346.95	2,187.49	364.12	43.80	320.31	1.137 Level 2		
18,458.39	7,630.00	18,424.63	7,730.00	165.30	164.74	105.94	-8,405.35	2,187.29	364.12	41.87	322.25	1.130 Level 2, SF		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	0.00	0.00	0.00	0.00	90.00	0.00	10.08	10.08					
100.00	100.00	100.00	100.00	0.13	0.13	90.00	0.00	10.08	10.08	9.81	0.27	37.493		
200.00	200.00	200.00	200.00	0.49	0.49	90.00	0.00	10.08	10.08	9.09	0.99	10.225		
300.00	300.00	300.00	300.00	0.85	0.85	90.00	0.00	10.08	10.08	8.38	1.70	5.920		
400.00	400.00	400.00	400.00	1.21	1.21	90.00	0.00	10.08	10.08	7.66	2.42	4.166		
500.00	500.00	500.00	500.00	1.57	1.57	90.00	0.00	10.08	10.08	6.94	3.14	3.214		
600.00	600.00	600.00	600.00	1.93	1.93	90.00	0.00	10.08	10.08	6.23	3.85	2.616		
700.00	700.00	700.00	700.00	2.29	2.29	90.00	0.00	10.08	10.08	5.51	4.57	2.205		
800.00	800.00	800.00	800.00	2.64	2.64	90.00	0.00	10.08	10.08	4.79	5.29	1.906		
900.00	900.00	900.00	900.00	3.00	3.00	90.00	0.00	10.08	10.08	4.08	6.00	1.679		
1,000.00	1,000.00	1,000.00	1,000.00	3.36	3.36	90.00	0.00	10.08	10.08	3.36	6.72	1.500	Level 3, CC, ES, SF	
1,100.00	1,100.00	1,099.67	1,099.65	3.72	3.71	85.01	1.00	11.49	11.54	4.11	7.43	1.553		
1,200.00	1,199.98	1,199.21	1,199.05	4.07	4.07	27.43	4.01	15.72	14.69	6.56	8.13	1.808		
1,300.00	1,299.84	1,298.62	1,298.08	4.43	4.42	23.90	9.00	22.76	18.02	9.21	8.81	2.045		
1,400.00	1,399.45	1,397.91	1,396.64	4.79	4.79	22.04	15.97	32.58	21.45	11.96	9.49	2.261		
1,500.00	1,498.70	1,497.09	1,494.60	5.15	5.16	21.17	24.91	45.15	24.94	14.78	10.16	2.455		
1,600.00	1,597.47	1,596.15	1,591.85	5.53	5.56	20.92	35.78	60.47	28.48	17.65	10.82	2.631		
1,700.00	1,695.62	1,695.08	1,688.29	5.93	5.98	21.11	48.58	78.50	32.05	20.56	11.49	2.789		
1,800.00	1,793.06	1,793.91	1,783.79	6.35	6.42	21.58	63.28	99.20	35.66	23.50	12.16	2.933		
1,900.00	1,889.64	1,892.62	1,878.24	6.79	6.90	22.27	79.86	122.55	39.30	26.46	12.83	3.062		
2,000.00	1,985.27	1,991.21	1,971.55	7.27	7.42	23.11	98.30	148.50	42.98	29.45	13.52	3.178		
2,100.00	2,079.82	2,089.69	2,063.60	7.79	7.99	24.06	118.55	177.03	46.69	32.46	14.24	3.280		
2,200.00	2,173.17	2,188.06	2,154.30	8.36	8.60	25.10	140.60	208.08	50.45	35.47	14.98	3.368		
2,300.00	2,265.21	2,286.33	2,243.54	8.97	9.26	26.20	164.41	241.61	54.25	38.49	15.76	3.442		
2,400.00	2,355.84	2,384.48	2,331.22	9.64	9.98	27.35	189.95	277.58	58.09	41.50	16.59	3.502		
2,500.00	2,444.94	2,482.53	2,417.24	10.36	10.75	28.53	217.19	315.93	61.99	44.51	17.48	3.545		
2,591.69	2,525.19	2,573.43	2,495.77	11.07	11.52	29.84	243.69	353.26	65.16	46.69	18.47	3.528		
2,600.00	2,532.40	2,581.73	2,502.93	11.14	11.59	30.01	246.12	356.68	65.35	46.78	18.57	3.519		
2,700.00	2,619.15	2,681.68	2,589.15	11.96	12.46	31.93	275.39	397.90	67.72	47.89	19.83	3.415		
2,800.00	2,705.89	2,781.63	2,675.37	12.81	13.35	33.73	304.66	439.12	70.16	49.00	21.16	3.316		
2,900.00	2,792.64	2,881.57	2,761.59	13.67	14.26	35.40	333.93	480.34	72.66	50.11	22.55	3.222		
3,000.00	2,879.39	2,981.52	2,847.81	14.55	15.18	36.96	363.20	521.56	75.22	51.22	24.01	3.134		
3,100.00	2,966.14	3,081.47	2,934.02	15.44	16.11	38.41	392.47	562.78	77.84	52.33	25.51	3.051		
3,200.00	3,052.88	3,181.42	3,020.24	16.34	17.05	39.77	421.74	604.00	80.50	53.44	27.06	2.975		
3,300.00	3,139.63	3,281.36	3,106.46	17.25	17.99	41.04	451.02	645.22	83.20	54.55	28.65	2.904		
3,400.00	3,226.38	3,381.31	3,192.68	18.17	18.95	42.23	480.29	686.44	85.94	55.67	30.27	2.839		
3,500.00	3,313.12	3,481.26	3,278.90	19.09	19.91	43.35	509.56	727.66	88.71	56.78	31.93	2.778		
3,600.00	3,399.87	3,581.20	3,365.11	20.02	20.87	44.40	538.83	768.88	91.52	57.91	33.61	2.723		
3,700.00	3,486.62	3,681.15	3,451.33	20.96	21.84	45.39	568.10	810.10	94.36	59.03	35.32	2.671		
3,800.00	3,573.37	3,781.10	3,537.55	21.90	22.81	46.32	597.37	851.32	97.22	60.16	37.05	2.624		
3,900.00	3,660.11	3,881.04	3,623.77	22.84	23.78	47.19	626.64	892.54	100.10	61.30	38.80	2.580		
4,000.00	3,746.86	3,980.99	3,709.99	23.78	24.76	48.02	655.91	933.76	103.01	62.44	40.57	2.539		
4,100.00	3,833.61	4,080.94	3,796.20	24.73	25.74	48.80	685.18	974.98	105.94	63.59	42.35	2.501		
4,200.00	3,920.35	4,180.89	3,882.42	25.68	26.72	49.54	714.45	1,016.20	108.89	64.74	44.15	2.466		
4,300.00	4,007.10	4,280.83	3,968.64	26.63	27.71	50.24	743.72	1,057.42	111.85	65.90	45.96	2.434		
4,400.00	4,093.85	4,380.78	4,054.86	27.59	28.69	50.90	772.99	1,098.64	114.83	67.06	47.77	2.404		
4,500.00	4,180.60	4,480.73	4,141.08	28.55	29.68	51.53	802.26	1,139.86	117.83	68.23	49.60	2.376		
4,600.00	4,267.34	4,580.67	4,227.29	29.50	30.67	52.13	831.53	1,181.08	120.83	69.40	51.43	2.349		
4,700.00	4,354.09	4,680.62	4,313.51	30.46	31.66	52.70	860.80	1,222.30	123.85	70.58	53.28	2.325		
4,800.00	4,440.84	4,780.57	4,399.73	31.42	32.65	53.24	890.07	1,263.52	126.89	71.76	55.13	2.302		
4,900.00	4,527.58	4,880.51	4,485.95	32.39	33.64	53.75	919.34	1,304.74	129.93	72.95	56.98	2.280		
5,000.00	4,614.33	4,980.46	4,572.17	33.35	34.63	54.25	948.61	1,345.96	132.98	74.14	58.84	2.260		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,701.08	5,080.41	4,658.39	34.31	35.63	54.72	977.88	1,387.18	136.04	75.34	60.71	2.241		
5,200.00	4,787.82	5,180.36	4,744.60	35.28	36.62	55.17	1,007.16	1,428.40	139.11	76.54	62.58	2.223		
5,300.00	4,874.57	5,280.30	4,830.82	36.25	37.62	55.60	1,036.43	1,469.62	142.19	77.74	64.45	2.206		
5,400.00	4,961.32	5,380.25	4,917.04	37.21	38.62	56.01	1,065.70	1,510.84	145.28	78.95	66.33	2.190		
5,500.00	5,048.07	5,480.20	5,003.26	38.18	39.61	56.41	1,094.97	1,552.06	148.38	80.16	68.21	2.175		
5,600.00	5,134.81	5,580.14	5,089.48	39.15	40.61	56.79	1,124.24	1,593.28	151.48	81.38	70.10	2.161		
5,700.00	5,221.56	5,680.09	5,175.69	40.12	41.61	57.15	1,153.51	1,634.50	154.58	82.60	71.98	2.148		
5,800.00	5,308.31	5,780.04	5,261.91	41.09	42.61	57.50	1,182.78	1,675.72	157.70	83.83	73.87	2.135		
5,900.00	5,395.05	5,879.98	5,348.13	42.06	43.61	57.84	1,212.05	1,716.94	160.82	85.05	75.76	2.123		
6,000.00	5,481.80	5,979.93	5,434.35	43.03	44.61	58.16	1,241.32	1,758.16	163.94	86.28	77.66	2.111		
6,100.00	5,568.55	6,079.88	5,520.57	44.00	45.61	58.47	1,270.59	1,799.38	167.07	87.52	79.55	2.100		
6,200.00	5,655.30	6,179.83	5,606.78	44.97	46.61	58.77	1,299.86	1,840.60	170.20	88.76	81.45	2.090		
6,300.00	5,742.04	6,279.77	5,693.00	45.94	47.61	59.06	1,329.13	1,881.82	173.34	90.00	83.35	2.080		
6,400.00	5,828.79	6,379.72	5,779.22	46.92	48.61	59.34	1,358.40	1,923.04	176.48	91.24	85.25	2.070		
6,500.00	5,915.54	6,479.67	5,865.44	47.89	49.61	59.60	1,387.67	1,964.26	179.63	92.48	87.15	2.061		
6,600.00	6,002.28	6,579.61	5,951.66	48.86	50.61	59.86	1,416.94	2,005.48	182.78	93.73	89.05	2.053		
6,700.00	6,089.03	6,679.56	6,037.87	49.83	51.61	60.12	1,446.21	2,046.70	185.94	94.98	90.95	2.044		
6,800.00	6,175.78	6,779.51	6,124.09	50.81	52.62	60.36	1,475.48	2,087.92	189.09	96.23	92.86	2.036		
6,900.00	6,262.53	6,879.45	6,210.31	51.78	53.62	60.59	1,504.75	2,129.14	192.25	97.49	94.77	2.029		
7,000.00	6,349.27	6,979.40	6,296.53	52.76	54.62	60.82	1,534.02	2,170.36	195.42	98.75	96.67	2.021		
7,100.00	6,436.02	7,079.35	6,382.75	53.73	55.62	61.04	1,563.29	2,211.58	198.59	100.01	98.58	2.014		
7,200.00	6,522.77	7,179.30	6,468.96	54.71	56.63	61.25	1,592.57	2,252.80	201.76	101.27	100.49	2.008		
7,300.00	6,609.51	7,279.24	6,555.18	55.68	57.63	61.46	1,621.84	2,294.02	204.93	102.53	102.40	2.001		
7,400.00	6,696.26	7,379.19	6,641.40	56.66	58.64	61.66	1,651.11	2,335.24	208.10	103.80	104.31	1.995		
7,500.00	6,783.01	7,479.14	6,727.62	57.63	59.64	61.85	1,680.38	2,376.46	211.28	105.06	106.22	1.989		
7,600.00	6,869.76	7,579.08	6,813.84	58.61	60.64	62.04	1,709.65	2,417.68	214.46	106.33	108.13	1.983		
7,683.49	6,942.18	7,662.53	6,885.82	59.42	61.48	62.19	1,734.09	2,452.09	217.12	107.39	109.72	1.979		
7,700.00	6,956.57	7,679.03	6,900.06	59.58	61.65	59.77	1,738.92	2,458.90	217.53	107.54	110.00	1.978		
7,750.00	7,000.85	7,728.93	6,943.10	60.04	62.15	50.64	1,753.53	2,479.48	217.50	107.20	110.30	1.972		
7,800.00	7,045.94	7,778.42	6,985.79	60.46	62.65	38.87	1,768.02	2,499.88	215.67	105.92	109.75	1.965		
7,850.00	7,091.49	7,827.11	7,027.80	60.84	63.14	24.85	1,782.28	2,519.97	212.42	104.26	108.16	1.964		
7,900.00	7,137.15	7,874.64	7,068.80	61.17	63.61	9.39	1,796.20	2,539.57	208.40	103.11	105.29	1.979		
7,950.00	7,182.58	7,920.65	7,108.48	61.44	64.08	-6.50	1,809.68	2,558.54	204.54	103.63	100.91	2.027		
8,000.00	7,227.43	7,964.78	7,146.55	61.67	64.52	-21.91	1,822.60	2,576.74	202.03	107.12	94.91	2.129		
8,022.21	7,247.09	7,983.69	7,162.87	61.74	64.71	-28.44	1,828.14	2,584.54	201.71	109.93	91.78	2.198		
8,050.00	7,271.36	8,006.70	7,182.71	61.84	64.94	-36.22	1,834.88	2,594.03	202.28	114.66	87.63	2.308		
8,100.00	7,314.04	8,047.35	7,217.87	61.96	65.35	-49.12	1,846.46	2,610.84	206.67	126.45	80.23	2.576		
8,150.00	7,355.14	8,090.18	7,255.53	62.04	65.75	-60.63	1,856.02	2,628.83	215.57	140.83	74.74	2.884		
8,200.00	7,394.34	8,135.38	7,295.86	62.07	66.15	-70.76	1,862.70	2,648.09	228.60	156.66	71.95	3.177		
8,250.00	7,431.36	8,183.51	7,339.19	62.06	66.54	-79.65	1,865.92	2,668.76	245.16	173.75	71.41	3.433		
8,300.00	7,465.90	8,235.26	7,385.87	62.01	66.92	-87.48	1,864.88	2,691.03	264.52	192.45	72.07	3.670		
8,350.00	7,497.71	8,291.53	7,436.31	61.93	67.27	-94.40	1,858.45	2,715.06	285.93	213.16	72.78	3.929		
8,400.00	7,526.53	8,353.49	7,490.91	61.81	67.57	-100.55	1,845.08	2,741.06	308.62	235.99	72.63	4.249		
8,450.00	7,552.17	8,422.61	7,549.89	61.66	67.82	-106.05	1,822.56	2,769.11	331.80	260.80	71.00	4.673		
8,500.00	7,574.41	8,500.73	7,613.05	61.48	68.00	-110.96	1,787.87	2,799.12	354.62	287.16	67.46	5.257		
8,550.00	7,593.09	8,589.93	7,679.20	61.29	68.06	-115.28	1,737.08	2,830.50	376.12	314.22	61.89	6.077		
8,600.00	7,608.07	8,692.19	7,745.24	61.07	67.98	-118.95	1,665.72	2,861.75	395.14	340.19	54.95	7.191		
8,650.00	7,619.23	8,808.59	7,805.13	60.84	67.72	-121.82	1,570.24	2,890.00	410.40	361.22	49.18	8.345		
8,700.00	7,626.48	8,937.91	7,849.78	60.60	67.26	-123.70	1,450.98	2,910.89	420.53	370.87	49.66	8.468		
8,750.00	7,629.78	9,075.51	7,869.58	60.35	66.66	-124.44	1,315.45	2,919.87	424.40	365.06	59.34	7.152		
8,766.45	7,630.00	9,106.79	7,870.00	60.27	66.52	-124.44	1,284.17	2,919.97	424.35	362.81	61.54	6.896		
8,800.00	7,630.00	9,140.34	7,870.00	60.10	66.36	-124.44	1,250.62	2,919.85	424.35	363.21	61.13	6.941		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
8,900.00	7,630.00	9,240.34	7,870.00	59.61	65.91	-124.44	1,150.62	2,919.52	424.35	364.34	60.01	7.072		
9,000.00	7,630.00	9,340.34	7,870.00	59.15	65.48	-124.44	1,050.62	2,919.18	424.35	365.33	59.01	7.191		
9,100.00	7,630.00	9,440.34	7,870.00	58.71	65.08	-124.44	950.62	2,918.84	424.34	366.18	58.16	7.296		
9,200.00	7,630.00	9,540.34	7,870.00	58.30	64.69	-124.44	850.62	2,918.50	424.34	366.88	57.46	7.385		
9,300.00	7,630.00	9,640.34	7,870.00	57.91	64.33	-124.44	750.62	2,918.17	424.34	367.43	56.91	7.456		
9,400.00	7,630.00	9,740.34	7,870.00	57.54	63.99	-124.44	650.62	2,917.83	424.34	367.81	56.53	7.507		
9,500.00	7,630.00	9,840.34	7,870.00	57.19	63.68	-124.44	550.62	2,917.49	424.34	368.04	56.30	7.537		
9,600.00	7,630.00	9,940.34	7,870.00	56.87	63.38	-124.44	450.62	2,917.15	424.34	368.10	56.24	7.545		
9,700.00	7,630.00	10,040.34	7,870.00	56.57	63.11	-124.44	350.62	2,916.82	424.34	367.99	56.34	7.531		
9,800.00	7,630.00	10,140.34	7,870.00	56.30	62.86	-124.44	250.62	2,916.48	424.34	367.73	56.61	7.496		
9,900.00	7,630.00	10,240.34	7,870.00	56.05	62.63	-124.44	150.62	2,916.14	424.34	367.30	57.04	7.439		
10,000.00	7,630.00	10,340.34	7,870.00	55.82	62.42	-124.44	50.62	2,915.80	424.34	366.71	57.63	7.363		
10,100.00	7,630.00	10,440.34	7,870.00	55.63	62.24	-124.44	-49.38	2,915.46	424.33	365.97	58.37	7.270		
10,200.00	7,630.00	10,540.34	7,870.00	55.46	62.09	-124.44	-149.38	2,915.13	424.33	365.08	59.26	7.161		
10,300.00	7,630.00	10,640.34	7,870.00	55.32	61.96	-124.44	-249.38	2,914.79	424.33	364.05	60.28	7.039		
10,400.00	7,630.00	10,740.34	7,870.00	55.22	61.86	-124.44	-349.37	2,914.45	424.33	362.88	61.45	6.906		
10,500.00	7,630.00	10,840.34	7,870.00	55.15	61.80	-124.44	-449.37	2,914.11	424.33	361.59	62.74	6.764		
10,600.00	7,630.00	10,940.34	7,870.00	55.14	61.77	-124.44	-549.37	2,913.78	424.33	360.19	64.14	6.615		
10,700.00	7,630.00	11,040.34	7,870.00	55.18	61.78	-124.44	-649.37	2,913.44	424.33	358.66	65.66	6.462		
10,800.00	7,630.00	11,140.34	7,870.00	55.28	61.84	-124.44	-749.37	2,913.10	424.33	357.04	67.29	6.306		
10,900.00	7,630.00	11,240.34	7,870.00	55.47	61.94	-124.44	-849.37	2,912.76	424.33	355.32	69.01	6.149		
11,000.00	7,630.00	11,340.34	7,870.00	55.74	62.10	-124.44	-949.37	2,912.43	424.33	353.51	70.81	5.992		
11,100.00	7,630.00	11,440.34	7,870.00	56.11	62.33	-124.44	-1,049.37	2,912.09	424.32	351.62	72.70	5.836		
11,200.00	7,630.00	11,540.34	7,870.00	56.60	62.62	-124.44	-1,149.37	2,911.75	424.32	349.65	74.67	5.683		
11,300.00	7,630.00	11,640.34	7,870.00	57.20	62.99	-124.44	-1,249.37	2,911.41	424.32	347.61	76.71	5.532		
11,400.00	7,630.00	11,740.34	7,870.00	57.91	63.44	-124.44	-1,349.37	2,911.07	424.32	345.51	78.81	5.384		
11,500.00	7,630.00	11,840.34	7,870.00	58.72	63.98	-124.44	-1,449.37	2,910.74	424.32	343.34	80.98	5.240		
11,600.00	7,630.00	11,940.34	7,870.00	59.63	64.60	-124.44	-1,549.37	2,910.40	424.32	341.13	83.19	5.100		
11,700.00	7,630.00	12,040.34	7,870.00	60.61	65.31	-124.44	-1,649.37	2,910.06	424.32	338.86	85.46	4.965		
11,800.00	7,630.00	12,140.34	7,870.00	61.67	66.10	-124.44	-1,749.37	2,909.72	424.32	336.54	87.78	4.834		
11,900.00	7,630.00	12,240.34	7,870.00	62.78	66.96	-124.45	-1,849.37	2,909.39	424.32	334.18	90.14	4.707		
12,000.00	7,630.00	12,340.34	7,870.00	63.95	67.90	-124.45	-1,949.37	2,909.05	424.32	331.78	92.54	4.585		
12,100.00	7,630.00	12,440.34	7,870.00	65.16	68.90	-124.45	-2,049.37	2,908.71	424.31	329.34	94.97	4.468		
12,200.00	7,630.00	12,540.34	7,870.00	66.41	69.95	-124.45	-2,149.36	2,908.37	424.31	326.87	97.45	4.354		
12,300.00	7,630.00	12,640.34	7,870.00	67.68	71.06	-124.45	-2,249.36	2,908.04	424.31	324.36	99.95	4.245		
12,400.00	7,630.00	12,740.34	7,870.00	68.99	72.22	-124.45	-2,349.36	2,907.70	424.31	321.83	102.48	4.140		
12,500.00	7,630.00	12,840.34	7,870.00	70.33	73.41	-124.45	-2,449.36	2,907.36	424.31	319.27	105.04	4.040		
12,600.00	7,630.00	12,940.34	7,870.00	71.68	74.64	-124.45	-2,549.36	2,907.02	424.31	316.68	107.62	3.942		
12,700.00	7,630.00	13,040.34	7,870.00	73.06	75.90	-124.45	-2,649.36	2,906.69	424.31	314.08	110.23	3.849		
12,800.00	7,630.00	13,140.34	7,870.00	74.45	77.20	-124.45	-2,749.36	2,906.35	424.31	311.44	112.86	3.759		
12,900.00	7,630.00	13,240.34	7,870.00	75.87	78.51	-124.45	-2,849.36	2,906.01	424.31	308.79	115.51	3.673		
13,000.00	7,630.00	13,340.34	7,870.00	77.29	79.86	-124.45	-2,949.36	2,905.67	424.30	306.12	118.18	3.590		
13,100.00	7,630.00	13,440.34	7,870.00	78.74	81.22	-124.45	-3,049.36	2,905.33	424.30	303.43	120.87	3.510		
13,200.00	7,630.00	13,540.34	7,870.00	80.19	82.60	-124.45	-3,149.36	2,905.00	424.30	300.73	123.57	3.434		
13,300.00	7,630.00	13,640.34	7,870.00	81.66	84.00	-124.45	-3,249.36	2,904.66	424.30	298.01	126.29	3.360		
13,400.00	7,630.00	13,740.34	7,870.00	83.14	85.42	-124.45	-3,349.36	2,904.32	424.30	295.27	129.03	3.288		
13,500.00	7,630.00	13,840.34	7,870.00	84.63	86.85	-124.45	-3,449.36	2,903.98	424.30	292.52	131.78	3.220		
13,600.00	7,630.00	13,940.34	7,870.00	86.14	88.29	-124.45	-3,549.36	2,903.65	424.30	289.76	134.54	3.154		
13,700.00	7,630.00	14,040.34	7,870.00	87.65	89.75	-124.45	-3,649.36	2,903.31	424.30	286.99	137.31	3.090		
13,800.00	7,630.00	14,140.34	7,870.00	89.17	91.22	-124.45	-3,749.36	2,902.97	424.30	284.20	140.09	3.029		
13,900.00	7,630.00	14,240.34	7,870.00	90.70	92.70	-124.45	-3,849.35	2,902.63	424.30	281.41	142.89	2.969		
14,000.00	7,630.00	14,340.34	7,870.00	92.24	94.19	-124.45	-3,949.35	2,902.30	424.29	278.60	145.69	2.912		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
14,100.00	7,630.00	14,440.34	7,870.00	93.78	95.70	-124.45	-4,049.35	2,901.96	424.29	275.79	148.51	2.857		
14,200.00	7,630.00	14,540.34	7,870.00	95.33	97.21	-124.45	-4,149.35	2,901.62	424.29	272.96	151.33	2.804		
14,300.00	7,630.00	14,640.34	7,870.00	96.89	98.73	-124.45	-4,249.35	2,901.28	424.29	270.13	154.16	2.752		
14,400.00	7,630.00	14,740.34	7,870.00	98.46	100.26	-124.45	-4,349.35	2,900.94	424.29	267.29	157.00	2.702		
14,500.00	7,630.00	14,840.34	7,870.00	100.03	101.79	-124.45	-4,449.35	2,900.61	424.29	264.44	159.85	2.654		
14,600.00	7,630.00	14,940.34	7,870.00	101.61	103.34	-124.45	-4,549.35	2,900.27	424.29	261.58	162.70	2.608		
14,700.00	7,630.00	15,040.34	7,870.00	103.20	104.89	-124.45	-4,649.35	2,899.93	424.29	258.72	165.57	2.563		
14,800.00	7,630.00	15,140.34	7,870.00	104.78	106.45	-124.45	-4,749.35	2,899.59	424.29	255.85	168.43	2.519		
14,900.00	7,630.00	15,240.34	7,870.00	106.38	108.01	-124.45	-4,849.35	2,899.26	424.29	252.98	171.31	2.477		
15,000.00	7,630.00	15,340.34	7,870.00	107.98	109.58	-124.45	-4,949.35	2,898.92	424.28	250.10	174.19	2.436		
15,100.00	7,630.00	15,440.34	7,870.00	109.58	111.16	-124.45	-5,049.35	2,898.58	424.28	247.21	177.07	2.396		
15,200.00	7,630.00	15,540.34	7,870.00	111.19	112.74	-124.45	-5,149.35	2,898.24	424.28	244.32	179.96	2.358		
15,300.00	7,630.00	15,640.34	7,870.00	112.81	114.33	-124.45	-5,249.35	2,897.91	424.28	241.42	182.86	2.320		
15,400.00	7,630.00	15,740.34	7,870.00	114.42	115.92	-124.45	-5,349.35	2,897.57	424.28	238.52	185.76	2.284		
15,500.00	7,630.00	15,840.34	7,870.00	116.05	117.52	-124.45	-5,449.35	2,897.23	424.28	235.62	188.66	2.249		
15,600.00	7,630.00	15,940.34	7,870.00	117.67	119.12	-124.45	-5,549.35	2,896.89	424.28	232.71	191.57	2.215		
15,700.00	7,630.00	16,040.34	7,870.00	119.30	120.72	-124.45	-5,649.34	2,896.55	424.28	229.79	194.49	2.182		
15,800.00	7,630.00	16,140.34	7,870.00	120.93	122.33	-124.45	-5,749.34	2,896.22	424.28	226.87	197.40	2.149		
15,900.00	7,630.00	16,240.34	7,870.00	122.57	123.95	-124.45	-5,849.34	2,895.88	424.28	223.95	200.32	2.118		
16,000.00	7,630.00	16,340.34	7,870.00	124.21	125.57	-124.45	-5,949.34	2,895.54	424.27	221.03	203.25	2.087		
16,100.00	7,630.00	16,440.34	7,870.00	125.85	127.19	-124.45	-6,049.34	2,895.20	424.27	218.10	206.18	2.058		
16,200.00	7,630.00	16,540.34	7,870.00	127.50	128.81	-124.45	-6,149.34	2,894.87	424.27	215.16	209.11	2.029		
16,300.00	7,630.00	16,640.34	7,870.00	129.15	130.44	-124.45	-6,249.34	2,894.53	424.27	212.23	212.04	2.001		
16,400.00	7,630.00	16,740.34	7,870.00	130.80	132.08	-124.45	-6,349.34	2,894.19	424.27	209.29	214.98	1.974		
16,500.00	7,630.00	16,840.34	7,870.00	132.46	133.71	-124.45	-6,449.34	2,893.85	424.27	206.35	217.92	1.947		
16,600.00	7,630.00	16,940.34	7,870.00	134.11	135.35	-124.45	-6,549.34	2,893.52	424.27	203.40	220.87	1.921		
16,700.00	7,630.00	17,040.34	7,870.00	135.77	136.99	-124.45	-6,649.34	2,893.18	424.27	200.45	223.81	1.896		
16,800.00	7,630.00	17,140.34	7,870.00	137.43	138.64	-124.45	-6,749.34	2,892.84	424.27	197.50	226.76	1.871		
16,900.00	7,630.00	17,240.34	7,870.00	139.10	140.29	-124.45	-6,849.34	2,892.50	424.27	194.55	229.71	1.847		
17,000.00	7,630.00	17,340.34	7,870.00	140.77	141.94	-124.45	-6,949.34	2,892.16	424.26	191.60	232.67	1.823		
17,100.00	7,630.00	17,440.34	7,870.00	142.44	143.59	-124.45	-7,049.34	2,891.83	424.26	188.64	235.62	1.801		
17,200.00	7,630.00	17,540.34	7,870.00	144.11	145.25	-124.45	-7,149.34	2,891.49	424.26	185.68	238.58	1.778		
17,300.00	7,630.00	17,640.34	7,870.00	145.78	146.90	-124.45	-7,249.34	2,891.15	424.26	182.72	241.54	1.756		
17,400.00	7,630.00	17,740.34	7,870.00	147.46	148.56	-124.45	-7,349.33	2,890.81	424.26	179.75	244.51	1.735		
17,500.00	7,630.00	17,840.34	7,870.00	149.13	150.23	-124.45	-7,449.33	2,890.48	424.26	176.79	247.47	1.714		
17,600.00	7,630.00	17,940.34	7,870.00	150.81	151.89	-124.45	-7,549.33	2,890.14	424.26	173.82	250.44	1.694		
17,700.00	7,630.00	18,040.34	7,870.00	152.49	153.56	-124.45	-7,649.33	2,889.80	424.26	170.85	253.41	1.674		
17,800.00	7,630.00	18,140.34	7,870.00	154.18	155.23	-124.45	-7,749.33	2,889.46	424.26	167.88	256.38	1.655		
17,900.00	7,630.00	18,240.34	7,870.00	155.86	156.90	-124.45	-7,849.33	2,889.13	424.26	164.91	259.35	1.636		
18,000.00	7,630.00	18,340.34	7,870.00	157.55	158.57	-124.45	-7,949.33	2,888.79	424.25	161.93	262.32	1.617		
18,100.00	7,630.00	18,440.34	7,870.00	159.24	160.25	-124.45	-8,049.33	2,888.45	424.25	158.95	265.30	1.599		
18,200.00	7,630.00	18,540.34	7,870.00	160.92	161.92	-124.45	-8,149.33	2,888.11	424.25	155.98	268.28	1.581		
18,300.00	7,630.00	18,640.34	7,870.00	162.62	163.60	-124.45	-8,249.33	2,887.77	424.25	153.00	271.25	1.564		
18,400.00	7,630.00	18,740.34	7,870.00	164.31	165.28	-124.45	-8,349.33	2,887.44	424.25	150.02	274.23	1.547		
18,458.39	7,630.00	18,798.74	7,870.00	165.30	166.26	-124.45	-8,407.72	2,887.24	424.25	148.28	275.97	1.537		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	0.00	0.00	0.00	0.00	90.00	0.00	19.88	19.88					
100.00	100.00	100.00	100.00	0.13	0.13	90.00	0.00	19.88	19.88	19.61	0.27	73.944		
200.00	200.00	200.00	200.00	0.49	0.49	90.00	0.00	19.88	19.88	18.89	0.99	20.167		
300.00	300.00	300.00	300.00	0.85	0.85	90.00	0.00	19.88	19.88	18.18	1.70	11.675		
400.00	400.00	400.00	400.00	1.21	1.21	90.00	0.00	19.88	19.88	17.46	2.42	8.216		
500.00	500.00	500.00	500.00	1.57	1.57	90.00	0.00	19.88	19.88	16.74	3.14	6.338		
600.00	600.00	600.00	600.00	1.93	1.93	90.00	0.00	19.88	19.88	16.03	3.85	5.159		
700.00	700.00	700.00	700.00	2.29	2.29	90.00	0.00	19.88	19.88	15.31	4.57	4.350		
800.00	800.00	800.00	800.00	2.64	2.64	90.00	0.00	19.88	19.88	14.59	5.29	3.760		
900.00	900.00	900.00	900.00	3.00	3.00	90.00	0.00	19.88	19.88	13.88	6.00	3.311	CC, ES	
1,000.00	1,000.00	999.38	999.36	3.36	3.36	87.49	0.94	21.33	21.36	14.64	6.71	3.181		
1,100.00	1,100.00	1,098.52	1,098.36	3.72	3.71	81.72	3.73	25.65	25.98	18.56	7.41	3.504		
1,200.00	1,199.98	1,197.35	1,196.82	4.07	4.06	25.85	8.37	32.83	32.45	24.36	8.10	4.007		
1,300.00	1,299.84	1,295.94	1,294.68	4.43	4.42	23.17	14.83	42.82	39.17	30.39	8.77	4.464		
1,400.00	1,399.45	1,394.30	1,391.85	4.79	4.80	21.71	23.09	55.60	46.00	36.56	9.44	4.872		
1,500.00	1,498.70	1,492.42	1,488.21	5.15	5.19	21.02	33.14	71.14	52.91	42.81	10.10	5.237		
1,600.00	1,597.47	1,590.32	1,583.66	5.53	5.61	20.81	44.93	89.39	59.87	49.11	10.76	5.563		
1,700.00	1,695.62	1,687.99	1,678.09	5.93	6.06	20.95	58.46	110.32	66.86	55.44	11.42	5.855		
1,800.00	1,793.06	1,785.43	1,771.40	6.35	6.54	21.33	73.69	133.88	73.89	61.81	12.08	6.117		
1,900.00	1,889.64	1,882.65	1,863.49	6.79	7.05	21.88	90.60	160.03	80.94	68.19	12.75	6.349		
2,000.00	1,985.27	1,979.65	1,954.27	7.27	7.61	22.57	109.14	188.72	88.02	74.59	13.43	6.555		
2,100.00	2,079.82	2,076.43	2,043.65	7.79	8.22	23.35	129.30	219.91	95.13	81.00	14.13	6.733		
2,200.00	2,173.17	2,173.00	2,131.52	8.36	8.88	24.21	151.03	253.53	102.28	87.42	14.86	6.884		
2,300.00	2,265.21	2,269.37	2,217.81	8.97	9.59	25.12	174.31	289.54	109.46	93.84	15.62	7.008		
2,400.00	2,355.84	2,365.52	2,302.43	9.64	10.36	26.08	199.10	327.88	116.67	100.25	16.43	7.102		
2,500.00	2,444.94	2,461.48	2,385.30	10.36	11.18	27.08	225.35	368.50	123.93	106.64	17.29	7.167		
2,591.69	2,525.19	2,549.29	2,459.68	11.07	11.99	28.01	250.69	407.70	130.63	112.49	18.14	7.201		
2,600.00	2,532.40	2,557.24	2,466.34	11.14	12.07	28.10	253.04	411.34	131.24	113.03	18.22	7.203		
2,700.00	2,619.15	2,655.19	2,547.77	11.96	13.02	28.93	282.60	457.07	139.83	120.53	19.30	7.245		
2,800.00	2,705.89	2,754.78	2,630.41	12.81	14.02	29.64	312.77	503.74	148.69	128.20	20.49	7.256		
2,900.00	2,792.64	2,854.38	2,713.05	13.67	15.04	30.27	342.94	550.41	157.57	135.85	21.72	7.255		
3,000.00	2,879.39	2,953.97	2,795.70	14.55	16.08	30.83	373.11	597.09	166.47	143.49	22.98	7.245		
3,100.00	2,966.14	3,053.56	2,878.34	15.44	17.12	31.33	403.28	643.76	175.38	151.12	24.26	7.230		
3,200.00	3,052.88	3,153.15	2,960.98	16.34	18.18	31.78	433.45	690.44	184.30	158.74	25.56	7.210		
3,300.00	3,139.63	3,252.74	3,043.62	17.25	19.24	32.19	463.62	737.11	193.24	166.35	26.88	7.188		
3,400.00	3,226.38	3,352.33	3,126.26	18.17	20.32	32.57	493.80	783.78	202.18	173.96	28.22	7.163		
3,500.00	3,313.12	3,451.92	3,208.90	19.09	21.39	32.91	523.97	830.46	211.13	181.55	29.58	7.138		
3,600.00	3,399.87	3,551.51	3,291.54	20.02	22.48	33.23	554.14	877.13	220.09	189.14	30.95	7.111		
3,700.00	3,486.62	3,651.10	3,374.19	20.96	23.56	33.52	584.31	923.81	229.05	196.72	32.33	7.085		
3,800.00	3,573.37	3,750.69	3,456.83	21.90	24.65	33.79	614.48	970.48	238.02	204.30	33.72	7.059		
3,900.00	3,660.11	3,850.29	3,539.47	22.84	25.75	34.04	644.65	1,017.15	247.00	211.88	35.12	7.033		
4,000.00	3,746.86	3,949.88	3,622.11	23.78	26.85	34.27	674.82	1,063.83	255.97	219.45	36.53	7.007		
4,100.00	3,833.61	4,049.47	3,704.75	24.73	27.95	34.49	704.99	1,110.50	264.96	227.01	37.94	6.983		
4,200.00	3,920.35	4,149.06	3,787.39	25.68	29.05	34.69	735.16	1,157.18	273.94	234.58	39.37	6.959		
4,300.00	4,007.10	4,248.65	3,870.03	26.63	30.15	34.88	765.33	1,203.85	282.93	242.14	40.80	6.935		
4,400.00	4,093.85	4,348.24	3,952.68	27.59	31.26	35.06	795.50	1,250.53	291.92	249.69	42.23	6.913		
4,500.00	4,180.60	4,447.83	4,035.32	28.55	32.36	35.23	825.67	1,297.20	300.92	257.25	43.67	6.891		
4,600.00	4,267.34	4,547.42	4,117.96	29.50	33.47	35.38	855.84	1,343.87	309.92	264.80	45.12	6.869		
4,700.00	4,354.09	4,647.01	4,200.60	30.46	34.58	35.53	886.01	1,390.55	318.92	272.35	46.56	6.849		
4,800.00	4,440.84	4,746.60	4,283.24	31.42	35.69	35.67	916.18	1,437.22	327.92	279.90	48.02	6.829		
4,900.00	4,527.58	4,846.19	4,365.88	32.39	36.81	35.81	946.36	1,483.90	336.92	287.45	49.47	6.810		
5,000.00	4,614.33	4,945.79	4,448.53	33.35	37.92	35.93	976.53	1,530.57	345.92	294.99	50.93	6.792		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,701.08	5,045.38	4,531.17	34.31	39.04	36.05	1,006.70	1,577.24	354.93	302.54	52.39	6.774		
5,200.00	4,787.82	5,144.97	4,613.81	35.28	40.15	36.16	1,036.87	1,623.92	363.94	310.08	53.86	6.757		
5,300.00	4,874.57	5,244.56	4,696.45	36.25	41.27	36.27	1,067.04	1,670.59	372.95	317.62	55.32	6.741		
5,400.00	4,961.32	5,344.15	4,779.09	37.21	42.38	36.38	1,097.21	1,717.27	381.96	325.16	56.79	6.725		
5,500.00	5,048.07	5,443.74	4,861.73	38.18	43.50	36.47	1,127.38	1,763.94	390.97	332.70	58.27	6.710		
5,600.00	5,134.81	5,543.33	4,944.37	39.15	44.62	36.57	1,157.55	1,810.61	399.98	340.24	59.74	6.695		
5,700.00	5,221.56	5,642.92	5,027.02	40.12	45.74	36.66	1,187.72	1,857.29	409.00	347.78	61.22	6.681		
5,800.00	5,308.31	5,742.51	5,109.66	41.09	46.86	36.74	1,217.89	1,903.96	418.01	355.32	62.69	6.667		
5,900.00	5,395.05	5,842.10	5,192.30	42.06	47.98	36.83	1,248.06	1,950.64	427.03	362.85	64.17	6.654		
6,000.00	5,481.80	5,941.70	5,274.94	43.03	49.10	36.90	1,278.23	1,997.31	436.04	370.39	65.65	6.641		
6,100.00	5,568.55	6,041.29	5,357.58	44.00	50.22	36.98	1,308.40	2,043.99	445.06	377.92	67.14	6.629		
6,200.00	5,655.30	6,140.88	5,440.22	44.97	51.34	37.05	1,338.57	2,090.66	454.08	385.46	68.62	6.617		
6,300.00	5,742.04	6,240.47	5,522.86	45.94	52.46	37.12	1,368.74	2,137.33	463.10	392.99	70.11	6.606		
6,400.00	5,828.79	6,340.06	5,605.51	46.92	53.58	37.19	1,398.92	2,184.01	472.12	400.52	71.59	6.595		
6,500.00	5,915.54	6,439.65	5,688.15	47.89	54.70	37.25	1,429.09	2,230.68	481.14	408.06	73.08	6.584		
6,600.00	6,002.28	6,539.24	5,770.79	48.86	55.82	37.32	1,459.26	2,277.36	490.16	415.59	74.57	6.573		
6,700.00	6,089.03	6,638.83	5,853.43	49.83	56.95	37.38	1,489.43	2,324.03	499.18	423.12	76.06	6.563		
6,800.00	6,175.78	6,738.42	5,936.07	50.81	58.07	37.43	1,519.60	2,370.70	508.20	430.65	77.55	6.553		
6,900.00	6,262.53	6,838.01	6,018.71	51.78	59.19	37.49	1,549.77	2,417.38	517.22	438.18	79.04	6.544		
7,000.00	6,349.27	6,937.60	6,101.35	52.76	60.31	37.54	1,579.94	2,464.05	526.24	445.71	80.53	6.535		
7,100.00	6,436.02	7,037.20	6,184.00	53.73	61.44	37.60	1,610.11	2,510.73	535.27	453.24	82.03	6.526		
7,200.00	6,522.77	7,136.79	6,266.64	54.71	62.56	37.65	1,640.28	2,557.40	544.29	460.77	83.52	6.517		
7,300.00	6,609.51	7,236.38	6,349.28	55.68	63.68	37.70	1,670.45	2,604.07	553.31	468.30	85.01	6.509		
7,400.00	6,696.26	7,335.97	6,431.92	56.66	64.81	37.74	1,700.62	2,650.75	562.34	475.83	86.51	6.500		
7,500.00	6,783.01	7,435.56	6,514.56	57.63	65.93	37.79	1,730.79	2,697.42	571.36	483.36	88.00	6.492		
7,600.00	6,869.76	7,535.15	6,597.20	58.61	67.06	37.83	1,760.96	2,744.10	580.39	490.88	89.50	6.485		
7,683.49	6,942.18	7,618.30	6,666.20	59.42	68.00	37.87	1,786.15	2,783.07	587.92	497.17	90.75	6.478		
7,700.00	6,956.57	7,634.74	6,679.84	59.58	68.18	35.57	1,791.13	2,790.77	589.40	498.43	90.97	6.479		
7,750.00	7,000.85	7,684.42	6,721.07	60.04	68.74	27.30	1,806.18	2,814.05	593.74	502.43	91.31	6.502		
7,800.00	7,045.94	7,733.63	6,761.91	60.46	69.30	17.17	1,821.09	2,837.12	597.92	506.76	91.16	6.559		
7,850.00	7,091.49	7,782.01	6,802.05	60.84	69.84	5.59	1,835.75	2,859.79	602.08	511.55	90.53	6.651		
7,900.00	7,137.15	7,829.00	6,841.09	61.17	70.37	-6.57	1,849.80	2,881.84	606.42	516.99	89.43	6.781		
7,950.00	7,182.58	7,875.98	6,880.81	61.44	70.88	-18.19	1,861.02	2,904.26	611.16	522.97	88.19	6.930		
8,000.00	7,227.43	7,924.32	6,922.38	61.67	71.38	-28.57	1,868.62	2,927.71	616.31	529.36	86.95	7.088		
8,050.00	7,271.36	7,974.18	6,965.68	61.84	71.85	-37.45	1,872.22	2,952.13	621.84	536.06	85.77	7.250		
8,100.00	7,314.04	8,025.71	7,010.55	61.96	72.29	-44.87	1,871.38	2,977.41	627.68	542.98	84.70	7.411		
8,150.00	7,355.14	8,079.09	7,056.77	62.04	72.70	-51.03	1,865.64	3,003.44	633.78	550.02	83.77	7.566		
8,200.00	7,394.34	8,134.47	7,104.03	62.07	73.06	-56.16	1,854.49	3,030.03	640.06	557.07	82.99	7.712		
8,250.00	7,431.36	8,192.02	7,151.92	62.06	73.36	-60.46	1,837.43	3,056.96	646.41	564.03	82.39	7.846		
8,300.00	7,465.90	8,251.89	7,199.90	62.01	73.61	-64.07	1,813.92	3,083.92	652.74	570.78	81.96	7.964		
8,350.00	7,497.71	8,314.20	7,247.28	61.93	73.78	-67.12	1,783.49	3,110.52	658.91	577.20	81.70	8.065		
8,400.00	7,526.53	8,379.02	7,293.23	61.81	73.88	-69.70	1,745.79	3,136.28	664.78	583.16	81.63	8.144		
8,450.00	7,552.17	8,446.35	7,336.72	61.66	73.91	-71.86	1,700.58	3,160.64	670.23	588.48	81.75	8.198		
8,500.00	7,574.41	8,516.10	7,376.59	61.48	73.86	-73.64	1,647.93	3,182.93	675.11	593.01	82.09	8.224		
8,550.00	7,593.09	8,588.07	7,411.59	61.29	73.74	-75.07	1,588.19	3,202.45	679.27	596.59	82.68	8.215		
8,600.00	7,608.07	8,661.96	7,440.44	61.07	73.56	-76.15	1,522.16	3,218.49	682.59	599.05	83.54	8.171		
8,650.00	7,619.23	8,737.30	7,462.01	60.84	73.31	-76.90	1,451.01	3,230.40	684.96	600.30	84.66	8.091		
8,700.00	7,626.48	8,813.55	7,475.38	60.60	73.01	-77.31	1,376.35	3,237.68	686.31	600.30	86.01	7.979		
8,750.00	7,629.78	8,890.09	7,480.00	60.35	72.69	-77.39	1,300.04	3,240.03	686.59	599.08	87.51	7.846		
8,766.45	7,630.00	8,907.05	7,480.00	60.27	72.61	-77.38	1,283.08	3,239.97	686.55	599.14	87.41	7.854		
8,800.00	7,630.00	8,940.61	7,480.00	60.10	72.47	-77.38	1,249.53	3,239.85	686.55	599.42	87.13	7.880		
8,900.00	7,630.00	9,040.61	7,480.00	59.61	72.04	-77.38	1,149.53	3,239.52	686.54	600.19	86.35	7.950		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
9,000.00	7,630.00	9,140.61	7,480.00	59.15	71.64	-77.38	1,049.53	3,239.18	686.54	600.83	85.71	8.010		
9,100.00	7,630.00	9,240.61	7,480.00	58.71	71.26	-77.38	949.53	3,238.84	686.54	601.33	85.21	8.057		
9,200.00	7,630.00	9,340.61	7,480.00	58.30	70.89	-77.38	849.53	3,238.50	686.54	601.69	84.85	8.092		
9,300.00	7,630.00	9,440.61	7,480.00	57.91	70.55	-77.38	749.53	3,238.16	686.53	601.91	84.62	8.113		
9,400.00	7,630.00	9,540.61	7,480.00	57.54	70.23	-77.38	649.53	3,237.82	686.53	601.99	84.54	8.121		
9,500.00	7,630.00	9,640.61	7,480.00	57.19	69.93	-77.38	549.53	3,237.48	686.53	601.93	84.60	8.115		
9,600.00	7,630.00	9,740.61	7,480.00	56.87	69.64	-77.38	449.53	3,237.14	686.53	601.72	84.80	8.095		
9,700.00	7,630.00	9,840.61	7,480.00	56.57	69.38	-77.38	349.53	3,236.80	686.52	601.38	85.15	8.063		
9,800.00	7,630.00	9,940.61	7,480.00	56.30	69.13	-77.38	249.53	3,236.46	686.52	600.89	85.63	8.017		
9,900.00	7,630.00	10,040.61	7,480.00	56.05	68.91	-77.38	149.53	3,236.12	686.52	600.27	86.25	7.960		
10,000.00	7,630.00	10,140.61	7,480.00	55.82	68.71	-77.38	49.53	3,235.79	686.52	599.51	87.00	7.891		
10,100.00	7,630.00	10,240.61	7,480.00	55.63	68.53	-77.38	-50.47	3,235.45	686.51	598.63	87.89	7.811		
10,200.00	7,630.00	10,340.61	7,480.00	55.46	68.37	-77.38	-150.47	3,235.11	686.51	597.61	88.90	7.723		
10,300.00	7,630.00	10,440.61	7,480.00	55.32	68.23	-77.38	-250.47	3,234.77	686.51	596.48	90.03	7.625		
10,400.00	7,630.00	10,540.61	7,480.00	55.22	68.12	-77.38	-350.46	3,234.43	686.51	595.23	91.28	7.521		
10,500.00	7,630.00	10,640.61	7,480.00	55.15	68.04	-77.38	-450.46	3,234.09	686.50	593.86	92.64	7.410		
10,600.00	7,630.00	10,740.61	7,480.00	55.14	67.98	-77.38	-550.46	3,233.75	686.50	592.39	94.11	7.294		
10,700.00	7,630.00	10,840.61	7,480.00	55.18	67.96	-77.38	-650.46	3,233.41	686.50	590.81	95.69	7.174		
10,800.00	7,630.00	10,940.61	7,480.00	55.28	67.96	-77.38	-750.46	3,233.07	686.50	589.14	97.36	7.051		
10,900.00	7,630.00	11,040.61	7,480.00	55.47	68.00	-77.38	-850.46	3,232.73	686.49	587.37	99.12	6.926		
11,000.00	7,630.00	11,140.61	7,480.00	55.74	68.08	-77.38	-950.46	3,232.40	686.49	585.51	100.98	6.798		
11,100.00	7,630.00	11,240.61	7,480.00	56.11	68.20	-77.38	-1,050.46	3,232.06	686.49	583.57	102.91	6.670		
11,200.00	7,630.00	11,340.61	7,480.00	56.60	68.37	-77.38	-1,150.46	3,231.72	686.49	581.56	104.93	6.542		
11,300.00	7,630.00	11,440.61	7,480.00	57.20	68.59	-77.38	-1,250.46	3,231.38	686.48	579.46	107.02	6.415		
11,400.00	7,630.00	11,540.61	7,480.00	57.91	68.87	-77.38	-1,350.46	3,231.04	686.48	577.30	109.18	6.288		
11,500.00	7,630.00	11,640.61	7,480.00	58.72	69.20	-77.38	-1,450.46	3,230.70	686.48	575.07	111.41	6.162		
11,600.00	7,630.00	11,740.61	7,480.00	59.63	69.60	-77.38	-1,550.46	3,230.36	686.48	572.78	113.69	6.038		
11,700.00	7,630.00	11,840.61	7,480.00	60.61	70.07	-77.38	-1,650.46	3,230.02	686.47	570.43	116.04	5.916		
11,800.00	7,630.00	11,940.61	7,480.00	61.67	70.61	-77.38	-1,750.46	3,229.68	686.47	568.03	118.44	5.796		
11,900.00	7,630.00	12,040.61	7,480.00	62.78	71.22	-77.38	-1,850.46	3,229.34	686.47	565.57	120.90	5.678		
12,000.00	7,630.00	12,140.61	7,480.00	63.95	71.91	-77.38	-1,950.46	3,229.00	686.47	563.07	123.40	5.563		
12,100.00	7,630.00	12,240.61	7,480.00	65.16	72.66	-77.38	-2,050.45	3,228.67	686.46	560.52	125.94	5.451		
12,200.00	7,630.00	12,340.61	7,480.00	66.41	73.48	-77.38	-2,150.45	3,228.33	686.46	557.93	128.54	5.341		
12,300.00	7,630.00	12,440.61	7,480.00	67.68	74.37	-77.38	-2,250.45	3,227.99	686.46	555.29	131.17	5.233		
12,400.00	7,630.00	12,540.61	7,480.00	68.99	75.32	-77.38	-2,350.45	3,227.65	686.46	552.62	133.84	5.129		
12,500.00	7,630.00	12,640.61	7,480.00	70.33	76.33	-77.38	-2,450.45	3,227.31	686.45	549.91	136.54	5.027		
12,600.00	7,630.00	12,740.61	7,480.00	71.68	77.39	-77.38	-2,550.45	3,226.97	686.45	547.17	139.28	4.929		
12,700.00	7,630.00	12,840.61	7,480.00	73.06	78.50	-77.38	-2,650.45	3,226.63	686.45	544.40	142.05	4.832		
12,800.00	7,630.00	12,940.61	7,480.00	74.45	79.64	-77.38	-2,750.45	3,226.29	686.44	541.60	144.85	4.739		
12,900.00	7,630.00	13,040.61	7,480.00	75.87	80.83	-77.38	-2,850.45	3,225.95	686.44	538.76	147.68	4.648		
13,000.00	7,630.00	13,140.61	7,480.00	77.29	82.06	-77.38	-2,950.45	3,225.61	686.44	535.91	150.53	4.560		
13,100.00	7,630.00	13,240.61	7,480.00	78.74	83.32	-77.38	-3,050.45	3,225.27	686.44	533.02	153.41	4.474		
13,200.00	7,630.00	13,340.61	7,480.00	80.19	84.60	-77.38	-3,150.45	3,224.94	686.43	530.12	156.32	4.391		
13,300.00	7,630.00	13,440.61	7,480.00	81.66	85.91	-77.38	-3,250.45	3,224.60	686.43	527.19	159.24	4.311		
13,400.00	7,630.00	13,540.61	7,480.00	83.14	87.25	-77.38	-3,350.45	3,224.26	686.43	524.24	162.19	4.232		
13,500.00	7,630.00	13,640.61	7,480.00	84.63	88.61	-77.38	-3,450.45	3,223.92	686.43	521.27	165.16	4.156		
13,600.00	7,630.00	13,740.61	7,480.00	86.14	89.99	-77.38	-3,550.45	3,223.58	686.42	518.28	168.15	4.082		
13,700.00	7,630.00	13,840.61	7,480.00	87.65	91.38	-77.38	-3,650.45	3,223.24	686.42	515.27	171.15	4.011		
13,800.00	7,630.00	13,940.61	7,480.00	89.17	92.79	-77.38	-3,750.45	3,222.90	686.42	512.24	174.18	3.941		
13,900.00	7,630.00	14,040.61	7,480.00	90.70	94.22	-77.38	-3,850.44	3,222.56	686.42	509.20	177.21	3.873		
14,000.00	7,630.00	14,140.61	7,480.00	92.24	95.67	-77.38	-3,950.44	3,222.22	686.41	506.15	180.27	3.808		
14,100.00	7,630.00	14,240.61	7,480.00	93.78	97.12	-77.38	-4,050.44	3,221.88	686.41	503.07	183.34	3.744		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	14,340.61	7,480.00	95.33	98.59	-77.38	-4,150.44	3,221.55	686.41	499.99	186.42	3.682		
14,300.00	7,630.00	14,440.61	7,480.00	96.89	100.07	-77.38	-4,250.44	3,221.21	686.41	496.89	189.52	3.622		
14,400.00	7,630.00	14,540.61	7,480.00	98.46	101.56	-77.38	-4,350.44	3,220.87	686.40	493.78	192.63	3.563		
14,500.00	7,630.00	14,640.61	7,480.00	100.03	103.07	-77.38	-4,450.44	3,220.53	686.40	490.66	195.75	3.507		
14,600.00	7,630.00	14,740.61	7,480.00	101.61	104.58	-77.38	-4,550.44	3,220.19	686.40	487.52	198.88	3.451		
14,700.00	7,630.00	14,840.61	7,480.00	103.20	106.10	-77.38	-4,650.44	3,219.85	686.40	484.38	202.02	3.398		
14,800.00	7,630.00	14,940.61	7,480.00	104.78	107.62	-77.38	-4,750.44	3,219.51	686.39	481.22	205.17	3.345		
14,900.00	7,630.00	15,040.61	7,480.00	106.38	109.16	-77.38	-4,850.44	3,219.17	686.39	478.05	208.34	3.295		
15,000.00	7,630.00	15,140.61	7,480.00	107.98	110.70	-77.38	-4,950.44	3,218.83	686.39	474.88	211.51	3.245		
15,100.00	7,630.00	15,240.61	7,480.00	109.58	112.26	-77.38	-5,050.44	3,218.49	686.39	471.69	214.69	3.197		
15,200.00	7,630.00	15,340.61	7,480.00	111.19	113.81	-77.38	-5,150.44	3,218.15	686.38	468.50	217.88	3.150		
15,300.00	7,630.00	15,440.61	7,480.00	112.81	115.38	-77.38	-5,250.44	3,217.82	686.38	465.30	221.08	3.105		
15,400.00	7,630.00	15,540.61	7,480.00	114.42	116.95	-77.38	-5,350.44	3,217.48	686.38	462.09	224.29	3.060		
15,500.00	7,630.00	15,640.61	7,480.00	116.05	118.52	-77.38	-5,450.44	3,217.14	686.38	458.87	227.50	3.017		
15,600.00	7,630.00	15,740.61	7,480.00	117.67	120.10	-77.38	-5,550.43	3,216.80	686.37	455.65	230.73	2.975		
15,700.00	7,630.00	15,840.61	7,480.00	119.30	121.69	-77.38	-5,650.43	3,216.46	686.37	452.42	233.95	2.934		
15,800.00	7,630.00	15,940.61	7,480.00	120.93	123.28	-77.38	-5,750.43	3,216.12	686.37	449.18	237.19	2.894		
15,900.00	7,630.00	16,040.61	7,480.00	122.57	124.88	-77.38	-5,850.43	3,215.78	686.37	445.93	240.43	2.855		
16,000.00	7,630.00	16,140.61	7,480.00	124.21	126.48	-77.38	-5,950.43	3,215.44	686.36	442.68	243.68	2.817		
16,100.00	7,630.00	16,240.61	7,480.00	125.85	128.09	-77.38	-6,050.43	3,215.10	686.36	439.43	246.93	2.780		
16,200.00	7,630.00	16,340.61	7,480.00	127.50	129.70	-77.38	-6,150.43	3,214.76	686.36	436.16	250.19	2.743		
16,300.00	7,630.00	16,440.61	7,480.00	129.15	131.31	-77.38	-6,250.43	3,214.42	686.36	432.90	253.46	2.708		
16,400.00	7,630.00	16,540.61	7,480.00	130.80	132.93	-77.38	-6,350.43	3,214.09	686.35	429.62	256.73	2.673		
16,500.00	7,630.00	16,640.61	7,480.00	132.46	134.55	-77.38	-6,450.43	3,213.75	686.35	426.34	260.01	2.640		
16,600.00	7,630.00	16,740.61	7,480.00	134.11	136.17	-77.38	-6,550.43	3,213.41	686.35	423.06	263.29	2.607		
16,700.00	7,630.00	16,840.61	7,480.00	135.77	137.80	-77.38	-6,650.43	3,213.07	686.35	419.77	266.57	2.575		
16,800.00	7,630.00	16,940.61	7,480.00	137.43	139.43	-77.38	-6,750.43	3,212.73	686.34	416.48	269.86	2.543		
16,900.00	7,630.00	17,040.61	7,480.00	139.10	141.07	-77.38	-6,850.43	3,212.39	686.34	413.19	273.16	2.513		
17,000.00	7,630.00	17,140.61	7,480.00	140.77	142.71	-77.38	-6,950.43	3,212.05	686.34	409.88	276.45	2.483		
17,100.00	7,630.00	17,240.61	7,480.00	142.44	144.35	-77.38	-7,050.43	3,211.71	686.34	406.58	279.76	2.453		
17,200.00	7,630.00	17,340.61	7,480.00	144.11	145.99	-77.38	-7,150.43	3,211.37	686.33	403.27	283.06	2.425		
17,300.00	7,630.00	17,440.61	7,480.00	145.78	147.64	-77.38	-7,250.42	3,211.03	686.33	399.96	286.37	2.397		
17,400.00	7,630.00	17,540.61	7,480.00	147.46	149.29	-77.38	-7,350.42	3,210.69	686.33	396.64	289.69	2.369		
17,500.00	7,630.00	17,640.61	7,480.00	149.13	150.94	-77.38	-7,450.42	3,210.36	686.32	393.32	293.00	2.342		
17,600.00	7,630.00	17,740.61	7,480.00	150.81	152.59	-77.38	-7,550.42	3,210.02	686.32	390.00	296.32	2.316		
17,700.00	7,630.00	17,840.61	7,480.00	152.49	154.25	-77.38	-7,650.42	3,209.68	686.32	386.67	299.65	2.290		
17,800.00	7,630.00	17,940.61	7,480.00	154.18	155.91	-77.38	-7,750.42	3,209.34	686.32	383.34	302.98	2.265		
17,900.00	7,630.00	18,040.61	7,480.00	155.86	157.57	-77.38	-7,850.42	3,209.00	686.31	380.01	306.31	2.241		
18,000.00	7,630.00	18,140.61	7,480.00	157.55	159.23	-77.38	-7,950.42	3,208.66	686.31	376.67	309.64	2.216		
18,100.00	7,630.00	18,240.61	7,480.00	159.24	160.90	-77.38	-8,050.42	3,208.32	686.31	373.33	312.98	2.193		
18,200.00	7,630.00	18,340.61	7,480.00	160.92	162.56	-77.38	-8,150.42	3,207.98	686.31	369.99	316.31	2.170		
18,300.00	7,630.00	18,440.61	7,480.00	162.62	164.23	-77.38	-8,250.42	3,207.64	686.30	366.65	319.66	2.147		
18,400.00	7,630.00	18,540.61	7,480.00	164.31	165.91	-77.38	-8,350.42	3,207.30	686.30	363.30	323.00	2.125		
18,458.39	7,630.00	18,599.00	7,480.00	165.30	166.88	-77.38	-8,408.81	3,207.11	686.30	361.35	324.95	2.112 SF		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	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	401.00	399.00	1.21	1.21	90.00	0.00	29.96	29.96	27.54	2.42	12.364		
500.00	500.00	501.00	499.00	1.57	1.57	90.00	0.00	29.96	29.96	26.82	3.14	9.541		
600.00	600.00	601.00	599.00	1.93	1.93	90.00	0.00	29.96	29.96	26.10	3.86	7.767		
700.00	700.00	701.00	699.00	2.29	2.29	90.00	0.00	29.96	29.96	25.39	4.57	6.550		
800.00	800.00	799.00	799.00	2.64	2.64	90.00	0.00	29.96	29.96	24.68	5.28	5.670 CC, ES		
900.00	900.00	898.08	898.06	3.00	2.99	88.45	0.85	31.41	31.43	25.44	5.99	5.246		
1,000.00	1,000.00	996.91	996.76	3.36	3.34	84.53	3.42	35.79	36.03	29.34	6.69	5.384		
1,100.00	1,100.00	1,095.28	1,094.75	3.72	3.70	79.87	7.70	43.07	43.96	36.58	7.38	5.953		
1,200.00	1,199.98	1,193.16	1,191.93	4.07	4.06	25.23	13.64	53.19	53.79	45.73	8.06	6.672		
1,300.00	1,299.84	1,290.71	1,288.31	4.43	4.43	23.21	21.22	66.11	63.85	55.13	8.73	7.316		
1,400.00	1,399.45	1,387.91	1,383.79	4.79	4.82	22.12	30.43	81.80	74.04	64.65	9.39	7.887		
1,500.00	1,498.70	1,484.78	1,478.27	5.15	5.24	21.62	41.23	100.21	84.29	74.25	10.04	8.396		
1,600.00	1,597.47	1,581.31	1,571.66	5.53	5.69	21.52	53.60	121.27	94.59	83.89	10.69	8.846		
1,700.00	1,695.62	1,677.52	1,663.86	5.93	6.17	21.70	67.51	144.96	104.91	93.57	11.34	9.247		
1,800.00	1,793.06	1,773.40	1,754.77	6.35	6.68	22.08	82.91	171.21	115.26	103.26	12.00	9.604		
1,900.00	1,889.64	1,868.96	1,844.32	6.79	7.24	22.61	99.79	199.96	125.62	112.96	12.67	9.918		
2,000.00	1,985.27	1,964.20	1,932.42	7.27	7.85	23.25	118.11	231.17	136.01	122.66	13.34	10.192		
2,100.00	2,079.82	2,059.13	2,018.98	7.79	8.50	23.97	137.84	264.77	146.41	132.37	14.04	10.425		
2,200.00	2,173.17	2,153.76	2,103.93	8.36	9.20	24.76	158.93	300.71	156.83	142.06	14.77	10.619		
2,300.00	2,265.21	2,248.08	2,187.20	8.97	9.96	25.60	181.36	338.92	167.28	151.75	15.53	10.770		
2,400.00	2,355.84	2,342.12	2,268.71	9.64	10.77	26.48	205.10	379.35	177.76	161.42	16.34	10.880		
2,500.00	2,444.94	2,435.86	2,348.40	10.36	11.64	27.40	230.09	421.92	188.27	171.07	17.20	10.946		
2,591.69	2,525.19	2,522.67	2,420.75	11.07	12.49	28.27	254.37	463.29	197.89	179.81	18.08	10.944		
2,600.00	2,532.40	2,530.93	2,427.59	11.14	12.58	28.37	256.72	467.29	198.72	180.54	18.18	10.932		
2,700.00	2,619.15	2,630.35	2,509.92	11.96	13.60	29.47	284.93	515.34	208.77	189.40	19.37	10.777		
2,800.00	2,705.89	2,729.76	2,592.25	12.81	14.63	30.48	313.14	563.40	218.89	198.28	20.61	10.620		
2,900.00	2,792.64	2,829.18	2,674.58	13.67	15.68	31.39	341.35	611.46	229.08	207.18	21.89	10.463		
3,000.00	2,879.39	2,928.60	2,756.91	14.55	16.75	32.23	369.56	659.51	239.31	216.10	23.21	10.310		
3,100.00	2,966.14	3,028.01	2,839.24	15.44	17.82	33.00	397.77	707.57	249.60	225.03	24.56	10.161		
3,200.00	3,052.88	3,127.43	2,921.57	16.34	18.90	33.71	425.98	755.63	259.92	233.98	25.95	10.018		
3,300.00	3,139.63	3,226.85	3,003.90	17.25	19.99	34.36	454.19	803.69	270.28	242.93	27.35	9.882		
3,400.00	3,226.38	3,326.26	3,086.23	18.17	21.08	34.97	482.40	851.74	280.67	251.89	28.78	9.752		
3,500.00	3,313.12	3,425.68	3,168.56	19.09	22.18	35.53	510.61	899.80	291.10	260.87	30.23	9.629		
3,600.00	3,399.87	3,525.09	3,250.89	20.02	23.28	36.05	538.82	947.86	301.54	269.85	31.70	9.513		
3,700.00	3,486.62	3,624.51	3,333.22	20.96	24.39	36.54	567.03	995.91	312.01	278.83	33.18	9.403		
3,800.00	3,573.37	3,723.93	3,415.55	21.90	25.50	36.99	595.24	1,043.97	322.51	287.83	34.68	9.300		
3,900.00	3,660.11	3,823.34	3,497.88	22.84	26.61	37.42	623.45	1,092.03	333.02	296.83	36.19	9.202		
4,000.00	3,746.86	3,922.76	3,580.21	23.78	27.73	37.82	651.66	1,140.09	343.54	305.83	37.71	9.109		
4,100.00	3,833.61	4,022.18	3,662.54	24.73	28.84	38.20	679.87	1,188.14	354.09	314.84	39.25	9.022		
4,200.00	3,920.35	4,121.59	3,744.87	25.68	29.96	38.56	708.08	1,236.20	364.64	323.86	40.79	8.940		
4,300.00	4,007.10	4,221.01	3,827.20	26.63	31.08	38.89	736.29	1,284.26	375.22	332.87	42.34	8.862		
4,400.00	4,093.85	4,320.43	3,909.53	27.59	32.21	39.21	764.50	1,332.31	385.80	341.90	43.90	8.788		
4,500.00	4,180.60	4,419.84	3,991.86	28.55	33.33	39.51	792.71	1,380.37	396.39	350.92	45.47	8.718		
4,600.00	4,267.34	4,519.26	4,074.20	29.50	34.46	39.80	820.92	1,428.43	407.00	359.96	47.04	8.652		
4,700.00	4,354.09	4,618.67	4,156.53	30.46	35.58	40.07	849.13	1,476.49	417.61	368.99	48.62	8.589		
4,800.00	4,440.84	4,718.09	4,238.86	31.42	36.71	40.32	877.34	1,524.54	428.23	378.03	50.20	8.530		
4,900.00	4,527.58	4,817.51	4,321.19	32.39	37.84	40.57	905.55	1,572.60	438.86	387.07	51.79	8.473		
5,000.00	4,614.33	4,916.92	4,403.52	33.35	38.97	40.80	933.76	1,620.66	449.50	396.11	53.39	8.419		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,701.08	5,016.34	4,485.85	34.31	40.10	41.02	961.97	1,668.71	460.14	405.16	54.99	8.368		
5,200.00	4,787.82	5,115.76	4,568.18	35.28	41.23	41.23	990.18	1,716.77	470.80	414.21	56.59	8.319		
5,300.00	4,874.57	5,215.17	4,650.51	36.25	42.36	41.44	1,018.39	1,764.83	481.45	423.26	58.20	8.273		
5,400.00	4,961.32	5,314.59	4,732.84	37.21	43.49	41.63	1,046.60	1,812.89	492.12	432.31	59.81	8.228		
5,500.00	5,048.07	5,414.00	4,815.17	38.18	44.62	41.82	1,074.81	1,860.94	502.79	441.36	61.42	8.186		
5,600.00	5,134.81	5,513.42	4,897.50	39.15	45.75	41.99	1,103.02	1,909.00	513.46	450.42	63.04	8.145		
5,700.00	5,221.56	5,612.84	4,979.83	40.12	46.89	42.16	1,131.23	1,957.06	524.14	459.48	64.66	8.106		
5,800.00	5,308.31	5,712.25	5,062.16	41.09	48.02	42.33	1,159.44	2,005.11	534.82	468.54	66.28	8.069		
5,900.00	5,395.05	5,811.67	5,144.49	42.06	49.15	42.49	1,187.65	2,053.17	545.51	477.60	67.90	8.034		
6,000.00	5,481.80	5,911.09	5,226.82	43.03	50.29	42.64	1,215.87	2,101.23	556.20	486.67	69.53	7.999		
6,100.00	5,568.55	6,010.50	5,309.15	44.00	51.42	42.78	1,244.08	2,149.29	566.89	495.73	71.16	7.967		
6,200.00	5,655.30	6,109.92	5,391.48	44.97	52.56	42.92	1,272.29	2,197.34	577.59	504.80	72.79	7.935		
6,300.00	5,742.04	6,209.34	5,473.81	45.94	53.69	43.06	1,300.50	2,245.40	588.29	513.87	74.42	7.905		
6,400.00	5,828.79	6,308.75	5,556.14	46.92	54.83	43.19	1,328.71	2,293.46	599.00	522.94	76.06	7.876		
6,500.00	5,915.54	6,408.17	5,638.47	47.89	55.97	43.32	1,356.92	2,341.51	609.70	532.01	77.69	7.848		
6,600.00	6,002.28	6,507.58	5,720.80	48.86	57.10	43.44	1,385.13	2,389.57	620.41	541.08	79.33	7.821		
6,700.00	6,089.03	6,607.00	5,803.14	49.83	58.24	43.55	1,413.34	2,437.63	631.13	550.16	80.97	7.795		
6,800.00	6,175.78	6,706.42	5,885.47	50.81	59.38	43.67	1,441.55	2,485.69	641.84	559.23	82.61	7.769		
6,900.00	6,262.53	6,805.83	5,967.80	51.78	60.51	43.78	1,469.76	2,533.74	652.56	568.31	84.25	7.745		
7,000.00	6,349.27	6,905.25	6,050.13	52.76	61.65	43.88	1,497.97	2,581.80	663.28	577.38	85.90	7.722		
7,100.00	6,436.02	7,004.67	6,132.46	53.73	62.79	43.99	1,526.18	2,629.86	674.00	586.46	87.54	7.699		
7,200.00	6,522.77	7,104.08	6,214.79	54.71	63.93	44.09	1,554.39	2,677.91	684.73	595.54	89.19	7.678		
7,300.00	6,609.51	7,203.50	6,297.12	55.68	65.06	44.18	1,582.60	2,725.97	695.45	604.62	90.83	7.656		
7,400.00	6,696.26	7,302.92	6,379.45	56.66	66.20	44.28	1,610.81	2,774.03	706.18	613.70	92.48	7.636		
7,500.00	6,783.01	7,402.33	6,461.78	57.63	67.34	44.37	1,639.02	2,822.09	716.91	622.78	94.13	7.616		
7,600.00	6,869.76	7,501.75	6,544.11	58.61	68.48	44.45	1,667.23	2,870.14	727.64	631.86	95.78	7.597		
7,683.49	6,942.18	7,584.75	6,612.85	59.42	69.43	44.53	1,690.78	2,910.27	736.60	639.45	97.16	7.582		
7,700.00	6,956.57	7,601.17	6,626.44	59.58	69.62	42.26	1,695.44	2,918.20	738.34	640.93	97.41	7.580		
7,750.00	7,000.85	7,650.83	6,667.57	60.04	70.19	34.13	1,709.53	2,942.21	743.11	645.21	97.90	7.591		
7,800.00	7,045.94	7,700.12	6,708.39	60.46	70.75	24.15	1,723.52	2,966.03	747.20	649.21	97.98	7.626		
7,850.00	7,091.49	7,748.64	6,748.57	60.84	71.31	12.76	1,737.29	2,989.49	750.68	653.03	97.65	7.688		
7,900.00	7,137.15	7,796.05	6,787.83	61.17	71.85	0.75	1,750.74	3,012.41	753.72	656.83	96.90	7.778		
7,950.00	7,182.58	7,841.97	6,828.86	61.44	72.37	-10.93	1,763.77	3,034.60	756.56	660.82	95.74	7.902		
8,000.00	7,227.43	7,886.05	6,862.36	61.67	72.88	-21.55	1,776.28	3,055.91	759.47	665.28	94.18	8.064		
8,050.00	7,271.36	7,927.96	6,897.07	61.84	73.36	-30.79	1,788.17	3,076.17	762.77	670.50	92.27	8.267		
8,100.00	7,314.04	7,967.39	6,929.72	61.96	73.81	-38.61	1,799.36	3,095.23	766.82	676.77	90.05	8.515		
8,150.00	7,355.14	8,004.02	6,960.06	62.04	74.23	-45.11	1,809.75	3,112.94	771.97	684.37	87.60	8.812		
8,200.00	7,394.34	8,037.59	6,987.86	62.07	74.62	-50.43	1,819.28	3,129.16	778.59	693.57	85.02	9.158		
8,250.00	7,431.36	8,067.83	7,012.90	62.06	74.96	-54.69	1,827.86	3,143.78	786.98	704.55	82.44	9.547		
8,300.00	7,465.90	8,094.52	7,035.00	62.01	75.27	-57.97	1,835.43	3,156.68	797.43	717.45	79.98	9.970		
8,350.00	7,497.71	8,117.45	7,053.99	61.93	75.53	-60.32	1,841.94	3,167.77	810.13	732.33	77.80	10.413		
8,400.00	7,526.53	8,136.45	7,069.73	61.81	75.75	-61.78	1,847.33	3,176.95	825.21	749.19	76.02	10.855		
8,450.00	7,552.17	8,151.37	7,082.09	61.66	75.92	-62.37	1,851.57	3,184.17	842.69	767.95	74.74	11.274		
8,500.00	7,574.41	8,162.10	7,090.97	61.48	76.04	-62.10	1,854.61	3,189.35	862.53	788.50	74.02	11.652		
8,550.00	7,593.09	8,174.85	7,101.55	61.29	76.19	-61.45	1,858.15	3,195.52	884.54	810.61	73.93	11.964		
8,600.00	7,608.07	8,186.54	7,111.31	61.07	76.32	-60.25	1,861.17	3,201.22	908.51	834.13	74.38	12.215		
8,650.00	7,619.23	8,184.48	7,109.58	60.84	76.30	-57.60	1,860.65	3,200.21	934.19	859.03	75.16	12.430		
8,700.00	7,626.48	8,162.00	7,090.89	60.60	76.04	-53.14	1,854.58	3,189.30	961.21	885.10	76.11	12.629		
8,750.00	7,629.78	8,151.21	7,081.96	60.35	75.92	-49.29	1,851.52	3,184.09	989.12	911.66	77.47	12.769		
8,766.45	7,630.00	9,254.27	7,730.00	60.27	78.84	-95.83	1,282.01	3,559.69	994.82	911.98	82.84	12.009		
8,800.00	7,630.00	9,287.82	7,730.00	60.10	78.70	-95.83	1,248.46	3,559.57	994.82	912.39	82.43	12.069		
8,900.00	7,630.00	9,387.82	7,730.00	59.61	78.31	-95.83	1,148.46	3,559.24	994.82	913.52	81.31	12.236		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
9,000.00	7,630.00	9,487.82	7,730.00	59.15	77.93	-95.83	1,048.46	3,558.90	994.82	914.50	80.32	12.386		
9,100.00	7,630.00	9,587.82	7,730.00	58.71	77.57	-95.83	948.46	3,558.56	994.82	915.34	79.48	12.517		
9,200.00	7,630.00	9,687.82	7,730.00	58.30	77.23	-95.83	848.46	3,558.22	994.82	916.04	78.78	12.628		
9,300.00	7,630.00	9,787.82	7,730.00	57.91	76.91	-95.83	748.46	3,557.89	994.82	916.58	78.24	12.715		
9,400.00	7,630.00	9,887.82	7,730.00	57.54	76.61	-95.83	648.46	3,557.55	994.82	916.97	77.85	12.778		
9,500.00	7,630.00	9,987.82	7,730.00	57.19	76.33	-95.83	548.46	3,557.21	994.82	917.19	77.62	12.816		
9,600.00	7,630.00	10,087.82	7,730.00	56.87	76.07	-95.83	448.46	3,556.87	994.81	917.26	77.55	12.828		
9,700.00	7,630.00	10,187.82	7,730.00	56.57	75.82	-95.83	348.46	3,556.54	994.81	917.17	77.64	12.813		
9,800.00	7,630.00	10,287.82	7,730.00	56.30	75.59	-95.83	248.46	3,556.20	994.81	916.92	77.89	12.771		
9,900.00	7,630.00	10,387.82	7,730.00	56.05	75.39	-95.83	148.46	3,555.86	994.81	916.51	78.30	12.705		
10,000.00	7,630.00	10,487.82	7,730.00	55.82	75.20	-95.83	48.46	3,555.52	994.81	915.95	78.86	12.614		
10,100.00	7,630.00	10,587.82	7,730.00	55.63	75.03	-95.83	-51.54	3,555.19	994.81	915.23	79.58	12.501		
10,200.00	7,630.00	10,687.82	7,730.00	55.46	74.88	-95.83	-151.53	3,554.85	994.81	914.37	80.44	12.367		
10,300.00	7,630.00	10,787.82	7,730.00	55.32	74.75	-95.83	-251.53	3,554.51	994.81	913.36	81.45	12.214		
10,400.00	7,630.00	10,887.82	7,730.00	55.22	74.65	-95.83	-351.53	3,554.17	994.81	912.22	82.59	12.045		
10,500.00	7,630.00	10,987.82	7,730.00	55.15	74.57	-95.83	-451.53	3,553.84	994.80	910.94	83.86	11.862		
10,600.00	7,630.00	11,087.82	7,730.00	55.14	74.51	-95.83	-551.53	3,553.50	994.80	909.54	85.27	11.667		
10,700.00	7,630.00	11,187.82	7,730.00	55.18	74.48	-95.83	-651.53	3,553.16	994.80	908.02	86.79	11.463		
10,800.00	7,630.00	11,287.82	7,730.00	55.28	74.47	-95.83	-751.53	3,552.82	994.80	906.38	88.42	11.250		
10,900.00	7,630.00	11,387.82	7,730.00	55.47	74.50	-95.83	-851.53	3,552.49	994.80	904.63	90.17	11.033		
11,000.00	7,630.00	11,487.82	7,730.00	55.74	74.55	-95.83	-951.53	3,552.15	994.80	902.79	92.01	10.812		
11,100.00	7,630.00	11,587.82	7,730.00	56.11	74.64	-95.83	-1,051.53	3,551.81	994.80	900.85	93.95	10.588		
11,200.00	7,630.00	11,687.82	7,730.00	56.60	74.77	-95.83	-1,151.53	3,551.47	994.80	898.81	95.98	10.364		
11,300.00	7,630.00	11,787.82	7,730.00	57.20	74.93	-95.83	-1,251.53	3,551.14	994.80	896.70	98.10	10.141		
11,400.00	7,630.00	11,887.82	7,730.00	57.91	75.14	-95.83	-1,351.53	3,550.80	994.79	894.50	100.29	9.919		
11,500.00	7,630.00	11,987.82	7,730.00	58.72	75.39	-95.83	-1,451.53	3,550.46	994.79	892.24	102.56	9.700		
11,600.00	7,630.00	12,087.82	7,730.00	59.63	75.69	-95.83	-1,551.53	3,550.12	994.79	889.90	104.89	9.484		
11,700.00	7,630.00	12,187.82	7,730.00	60.61	76.05	-95.83	-1,651.53	3,549.79	994.79	887.50	107.29	9.272		
11,800.00	7,630.00	12,287.82	7,730.00	61.67	76.45	-95.83	-1,751.53	3,549.45	994.79	885.03	109.76	9.064		
11,900.00	7,630.00	12,387.82	7,730.00	62.78	76.91	-95.83	-1,851.53	3,549.11	994.79	882.52	112.27	8.860		
12,000.00	7,630.00	12,487.82	7,730.00	63.95	77.43	-95.83	-1,951.52	3,548.77	994.79	879.95	114.84	8.662		
12,100.00	7,630.00	12,587.82	7,730.00	65.16	78.02	-95.83	-2,051.52	3,548.44	994.79	877.32	117.46	8.469		
12,200.00	7,630.00	12,687.82	7,730.00	66.41	78.66	-95.83	-2,151.52	3,548.10	994.79	874.66	120.13	8.281		
12,300.00	7,630.00	12,787.82	7,730.00	67.68	79.36	-95.83	-2,251.52	3,547.76	994.78	871.95	122.84	8.098		
12,400.00	7,630.00	12,887.82	7,730.00	68.99	80.13	-95.83	-2,351.52	3,547.42	994.78	869.20	125.58	7.921		
12,500.00	7,630.00	12,987.82	7,730.00	70.33	80.95	-95.83	-2,451.52	3,547.09	994.78	866.41	128.37	7.749		
12,600.00	7,630.00	13,087.82	7,730.00	71.68	81.82	-95.83	-2,551.52	3,546.75	994.78	863.59	131.19	7.583		
12,700.00	7,630.00	13,187.82	7,730.00	73.06	82.76	-95.83	-2,651.52	3,546.41	994.78	860.73	134.05	7.421		
12,800.00	7,630.00	13,287.82	7,730.00	74.45	83.74	-95.83	-2,751.52	3,546.07	994.78	857.85	136.93	7.265		
12,900.00	7,630.00	13,387.82	7,730.00	75.87	84.77	-95.83	-2,851.52	3,545.74	994.78	854.93	139.85	7.113		
13,000.00	7,630.00	13,487.82	7,730.00	77.29	85.84	-95.83	-2,951.52	3,545.40	994.78	851.99	142.79	6.967		
13,100.00	7,630.00	13,587.82	7,730.00	78.74	86.96	-95.83	-3,051.52	3,545.06	994.78	849.02	145.75	6.825		
13,200.00	7,630.00	13,687.82	7,730.00	80.19	88.11	-95.83	-3,151.52	3,544.72	994.77	846.03	148.75	6.688		
13,300.00	7,630.00	13,787.82	7,730.00	81.66	89.29	-95.83	-3,251.52	3,544.39	994.77	843.01	151.76	6.555		
13,400.00	7,630.00	13,887.82	7,730.00	83.14	90.51	-95.83	-3,351.52	3,544.05	994.77	839.98	154.80	6.426		
13,500.00	7,630.00	13,987.82	7,730.00	84.63	91.76	-95.83	-3,451.52	3,543.71	994.77	836.92	157.85	6.302		
13,600.00	7,630.00	14,087.82	7,730.00	86.14	93.04	-95.83	-3,551.52	3,543.37	994.77	833.85	160.93	6.182		
13,700.00	7,630.00	14,187.82	7,730.00	87.65	94.34	-95.83	-3,651.51	3,543.04	994.77	830.75	164.02	6.065		
13,800.00	7,630.00	14,287.82	7,730.00	89.17	95.66	-95.83	-3,751.51	3,542.70	994.77	827.64	167.13	5.952		
13,900.00	7,630.00	14,387.82	7,730.00	90.70	97.01	-95.83	-3,851.51	3,542.36	994.77	824.52	170.25	5.843		
14,000.00	7,630.00	14,487.82	7,730.00	92.24	98.37	-95.83	-3,951.51	3,542.02	994.77	821.37	173.39	5.737		
14,100.00	7,630.00	14,587.82	7,730.00	93.78	99.75	-95.83	-4,051.51	3,541.69	994.77	818.22	176.55	5.635		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	14,687.82	7,730.00	95.33	101.15	-95.83	-4,151.51	3,541.35	994.76	815.05	179.71	5.535		
14,300.00	7,630.00	14,787.82	7,730.00	96.89	102.57	-95.83	-4,251.51	3,541.01	994.76	811.87	182.90	5.439		
14,400.00	7,630.00	14,887.82	7,730.00	98.46	104.00	-95.83	-4,351.51	3,540.67	994.76	808.67	186.09	5.346		
14,500.00	7,630.00	14,987.82	7,730.00	100.03	105.44	-95.83	-4,451.51	3,540.34	994.76	805.47	189.29	5.255		
14,600.00	7,630.00	15,087.82	7,730.00	101.61	106.89	-95.83	-4,551.51	3,540.00	994.76	802.25	192.51	5.167		
14,700.00	7,630.00	15,187.82	7,730.00	103.20	108.36	-95.83	-4,651.51	3,539.66	994.76	799.02	195.74	5.082		
14,800.00	7,630.00	15,287.82	7,730.00	104.78	109.84	-95.83	-4,751.51	3,539.32	994.76	795.79	198.97	4.999		
14,900.00	7,630.00	15,387.82	7,730.00	106.38	111.33	-95.83	-4,851.51	3,538.98	994.76	792.54	202.22	4.919		
15,000.00	7,630.00	15,487.82	7,730.00	107.98	112.83	-95.83	-4,951.51	3,538.65	994.76	789.28	205.47	4.841		
15,100.00	7,630.00	15,587.82	7,730.00	109.58	114.33	-95.83	-5,051.51	3,538.31	994.75	786.02	208.74	4.766		
15,200.00	7,630.00	15,687.82	7,730.00	111.19	115.85	-95.83	-5,151.51	3,537.97	994.75	782.75	212.01	4.692		
15,300.00	7,630.00	15,787.82	7,730.00	112.81	117.37	-95.83	-5,251.51	3,537.63	994.75	779.47	215.29	4.621		
15,400.00	7,630.00	15,887.82	7,730.00	114.42	118.91	-95.83	-5,351.51	3,537.30	994.75	776.18	218.57	4.551		
15,500.00	7,630.00	15,987.82	7,730.00	116.05	120.45	-95.83	-5,451.50	3,536.96	994.75	772.88	221.87	4.484		
15,600.00	7,630.00	16,087.82	7,730.00	117.67	121.99	-95.83	-5,551.50	3,536.62	994.75	769.58	225.17	4.418		
15,700.00	7,630.00	16,187.82	7,730.00	119.30	123.54	-95.83	-5,651.50	3,536.28	994.75	766.27	228.47	4.354		
15,800.00	7,630.00	16,287.82	7,730.00	120.93	125.10	-95.83	-5,751.50	3,535.95	994.75	762.96	231.79	4.292		
15,900.00	7,630.00	16,387.82	7,730.00	122.57	126.67	-95.83	-5,851.50	3,535.61	994.75	759.64	235.11	4.231		
16,000.00	7,630.00	16,487.82	7,730.00	124.21	128.24	-95.83	-5,951.50	3,535.27	994.74	756.31	238.43	4.172		
16,100.00	7,630.00	16,587.82	7,730.00	125.85	129.82	-95.83	-6,051.50	3,534.93	994.74	752.98	241.76	4.115		
16,200.00	7,630.00	16,687.82	7,730.00	127.50	131.40	-95.83	-6,151.50	3,534.60	994.74	749.64	245.10	4.059		
16,300.00	7,630.00	16,787.82	7,730.00	129.15	132.98	-95.83	-6,251.50	3,534.26	994.74	746.30	248.44	4.004		
16,400.00	7,630.00	16,887.82	7,730.00	130.80	134.58	-95.83	-6,351.50	3,533.92	994.74	742.95	251.79	3.951		
16,500.00	7,630.00	16,987.82	7,730.00	132.46	136.17	-95.83	-6,451.50	3,533.58	994.74	739.60	255.14	3.899		
16,600.00	7,630.00	17,087.82	7,730.00	134.11	137.77	-95.83	-6,551.50	3,533.25	994.74	736.25	258.49	3.848		
16,700.00	7,630.00	17,187.82	7,730.00	135.77	139.38	-95.83	-6,651.50	3,532.91	994.74	732.88	261.85	3.799		
16,800.00	7,630.00	17,287.82	7,730.00	137.43	140.98	-95.83	-6,751.50	3,532.57	994.74	729.52	265.22	3.751		
16,900.00	7,630.00	17,387.82	7,730.00	139.10	142.60	-95.83	-6,851.50	3,532.23	994.73	726.15	268.58	3.704		
17,000.00	7,630.00	17,487.82	7,730.00	140.77	144.21	-95.83	-6,951.50	3,531.90	994.73	722.78	271.95	3.658		
17,100.00	7,630.00	17,587.82	7,730.00	142.44	145.83	-95.83	-7,051.50	3,531.56	994.73	719.40	275.33	3.613		
17,200.00	7,630.00	17,687.82	7,730.00	144.11	147.46	-95.83	-7,151.49	3,531.22	994.73	716.02	278.71	3.569		
17,300.00	7,630.00	17,787.82	7,730.00	145.78	149.08	-95.83	-7,251.49	3,530.88	994.73	712.64	282.09	3.526		
17,400.00	7,630.00	17,887.82	7,730.00	147.46	150.71	-95.83	-7,351.49	3,530.55	994.73	709.25	285.48	3.484		
17,500.00	7,630.00	17,987.82	7,730.00	149.13	152.35	-95.83	-7,451.49	3,530.21	994.73	705.86	288.86	3.444		
17,600.00	7,630.00	18,087.82	7,730.00	150.81	153.98	-95.83	-7,551.49	3,529.87	994.73	702.47	292.26	3.404		
17,700.00	7,630.00	18,187.82	7,730.00	152.49	155.62	-95.83	-7,651.49	3,529.53	994.73	699.07	295.65	3.365		
17,800.00	7,630.00	18,287.82	7,730.00	154.18	157.26	-95.83	-7,751.49	3,529.20	994.72	695.68	299.05	3.326		
17,900.00	7,630.00	18,387.82	7,730.00	155.86	158.90	-95.83	-7,851.49	3,528.86	994.72	692.27	302.45	3.289		
18,000.00	7,630.00	18,487.82	7,730.00	157.55	160.55	-95.83	-7,951.49	3,528.52	994.72	688.87	305.85	3.252		
18,100.00	7,630.00	18,587.82	7,730.00	159.24	162.20	-95.83	-8,051.49	3,528.18	994.72	685.46	309.26	3.216		
18,200.00	7,630.00	18,687.82	7,730.00	160.92	163.85	-95.83	-8,151.49	3,527.85	994.72	682.05	312.67	3.181		
18,300.00	7,630.00	18,787.82	7,730.00	162.62	165.51	-95.83	-8,251.49	3,527.51	994.72	678.64	316.08	3.147		
18,400.00	7,630.00	18,887.82	7,730.00	164.31	167.16	-95.83	-8,351.49	3,527.17	994.72	675.23	319.49	3.113		
18,458.39	7,630.00	18,946.22	7,730.00	165.30	168.13	-95.83	-8,409.88	3,526.97	994.72	673.23	321.48	3.094 SF		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	90.52	-0.36	40.04	40.04				
100.00	100.00	101.00	99.00	0.13	0.14	90.52	-0.36	40.04	40.04	39.77	0.27	146.976	
200.00	200.00	201.00	199.00	0.49	0.50	90.52	-0.36	40.04	40.04	39.05	0.99	40.472	
300.00	300.00	301.00	299.00	0.85	0.85	90.52	-0.36	40.04	40.04	38.34	1.71	23.467	
400.00	400.00	401.00	399.00	1.21	1.21	90.52	-0.36	40.04	40.04	37.62	2.42	16.524	
500.00	500.00	501.00	499.00	1.57	1.57	90.52	-0.36	40.04	40.04	36.90	3.14	12.751	
600.00	600.00	601.00	599.00	1.93	1.93	90.52	-0.36	40.04	40.04	36.18	3.86	10.381	
700.00	700.00	699.00	699.00	2.29	2.28	90.52	-0.36	40.04	40.04	35.48	4.57	8.768	CC, ES
800.00	800.00	797.76	797.74	2.64	2.63	89.41	0.42	41.51	41.53	36.26	5.27	7.875	
900.00	900.00	896.28	896.13	3.00	2.98	86.50	2.81	45.96	46.14	40.16	5.97	7.723	
1,000.00	1,000.00	994.34	993.82	3.36	3.33	82.76	6.78	53.35	54.03	47.36	6.67	8.103	
1,100.00	1,100.00	1,091.71	1,090.49	3.72	3.70	79.07	12.28	63.60	65.33	57.98	7.35	8.885	
1,200.00	1,199.98	1,188.44	1,186.08	4.07	4.07	25.23	19.27	76.64	78.52	70.49	8.02	9.786	
1,300.00	1,299.84	1,284.73	1,280.68	4.43	4.46	23.63	27.75	92.44	91.91	83.23	8.68	10.587	
1,400.00	1,399.45	1,380.58	1,374.20	4.79	4.88	22.76	37.68	110.94	105.41	96.08	9.33	11.296	
1,500.00	1,498.70	1,476.00	1,466.55	5.15	5.33	22.38	49.02	132.09	118.96	108.98	9.98	11.920	
1,600.00	1,597.47	1,571.00	1,557.64	5.53	5.80	22.33	61.75	155.82	132.54	121.91	10.63	12.472	
1,700.00	1,695.62	1,665.57	1,647.39	5.93	6.32	22.51	75.84	182.08	146.13	134.85	11.28	12.960	
1,800.00	1,793.06	1,759.73	1,735.72	6.35	6.88	22.86	91.25	210.80	159.72	147.79	11.93	13.390	
1,900.00	1,889.64	1,853.47	1,822.56	6.79	7.48	23.35	107.94	241.92	173.31	160.71	12.59	13.765	
2,000.00	1,985.27	1,946.82	1,907.83	7.27	8.13	23.93	125.90	275.37	186.89	173.62	13.27	14.086	
2,100.00	2,079.82	2,039.77	1,991.46	7.79	8.83	24.59	145.07	311.11	200.47	186.51	13.97	14.355	
2,200.00	2,173.17	2,132.33	2,073.39	8.36	9.58	25.31	165.42	349.05	214.06	199.36	14.69	14.570	
2,300.00	2,265.21	2,224.51	2,153.57	8.97	10.38	26.07	186.93	389.13	227.64	212.19	15.45	14.731	
2,400.00	2,355.84	2,316.32	2,231.92	9.64	11.23	26.87	209.55	431.29	241.22	224.97	16.26	14.837	
2,500.00	2,444.94	2,407.77	2,308.41	10.36	12.14	27.70	233.24	475.46	254.82	237.70	17.12	14.888	
2,591.69	2,525.19	2,491.32	2,376.85	11.07	13.02	28.47	255.89	517.67	267.29	249.33	17.96	14.883	
2,600.00	2,532.40	2,498.87	2,382.97	11.14	13.10	28.55	257.99	521.58	268.43	250.39	18.04	14.883	
2,700.00	2,619.15	2,596.51	2,461.72	11.96	14.18	29.51	285.27	572.43	282.74	263.54	19.20	14.726	
2,800.00	2,705.89	2,704.63	2,541.44	12.81	15.41	30.37	312.91	623.95	297.16	276.66	20.50	14.498	
2,900.00	2,792.64	2,794.23	2,621.16	13.67	16.43	31.16	340.55	675.47	311.64	289.92	21.72	14.348	
3,000.00	2,879.39	2,893.09	2,700.88	14.55	17.57	31.88	368.19	726.98	326.17	303.14	23.03	14.160	
3,100.00	2,966.14	3,008.05	2,780.60	15.44	18.91	32.53	395.83	778.50	340.75	316.27	24.48	13.918	
3,200.00	3,052.88	3,109.20	2,860.32	16.34	20.10	33.14	423.47	830.02	355.37	329.50	25.87	13.737	
3,300.00	3,139.63	3,189.66	2,940.04	17.25	21.05	33.69	451.11	881.54	370.02	342.88	27.14	13.633	
3,400.00	3,226.38	3,288.52	3,019.76	18.17	22.22	34.20	478.75	933.05	384.70	356.15	28.55	13.473	
3,500.00	3,313.12	3,387.38	3,099.48	19.09	23.40	34.68	506.39	984.57	399.42	369.43	29.99	13.320	
3,600.00	3,399.87	3,486.24	3,179.20	20.02	24.58	35.12	534.03	1,036.09	414.16	382.72	31.44	13.175	
3,700.00	3,486.62	3,585.10	3,258.92	20.96	25.76	35.53	561.67	1,087.60	428.92	396.02	32.90	13.038	
3,800.00	3,573.37	3,683.96	3,338.64	21.90	26.95	35.91	589.31	1,139.12	443.70	409.32	34.37	12.908	
3,900.00	3,660.11	3,782.82	3,418.36	22.84	28.14	36.27	616.95	1,190.64	458.49	422.63	35.86	12.785	
4,000.00	3,746.86	3,881.68	3,498.08	23.78	29.33	36.61	644.59	1,242.16	473.31	435.95	37.36	12.669	
4,100.00	3,833.61	3,980.54	3,577.80	24.73	30.53	36.93	672.23	1,293.67	488.14	449.27	38.87	12.559	
4,200.00	3,920.35	4,079.40	3,657.52	25.68	31.73	37.22	699.87	1,345.19	502.98	462.60	40.38	12.455	
4,300.00	4,007.10	4,178.26	3,737.24	26.63	32.92	37.50	727.50	1,396.71	517.84	475.93	41.91	12.357	
4,400.00	4,093.85	4,277.12	3,816.96	27.59	34.12	37.77	755.14	1,448.22	532.71	489.27	43.44	12.264	
4,500.00	4,180.60	4,375.98	3,896.68	28.55	35.32	38.02	782.78	1,499.74	547.58	502.61	44.98	12.175	
4,600.00	4,267.34	4,474.84	3,976.39	29.50	36.53	38.26	810.42	1,551.26	562.47	515.95	46.52	12.091	
4,700.00	4,354.09	4,573.70	4,056.11	30.46	37.73	38.48	838.06	1,602.78	577.37	529.30	48.07	12.012	
4,800.00	4,440.84	4,672.56	4,135.83	31.42	38.93	38.69	865.70	1,654.29	592.27	542.65	49.62	11.936	
4,900.00	4,527.58	4,771.42	4,215.55	32.39	40.14	38.90	893.34	1,705.81	607.19	556.01	51.18	11.864	
5,000.00	4,614.33	4,870.28	4,295.27	33.35	41.34	39.09	920.98	1,757.33	622.10	569.36	52.74	11.795	

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,701.08	4,969.14	4,374.99	34.31	42.55	39.27	948.62	1,808.84	637.03	582.72	54.31	11.730		
5,200.00	4,787.82	5,067.99	4,454.71	35.28	43.76	39.45	976.26	1,860.36	651.96	596.08	55.88	11.667		
5,300.00	4,874.57	5,166.85	4,534.43	36.25	44.97	39.62	1,003.90	1,911.88	666.90	609.45	57.45	11.608		
5,400.00	4,961.32	5,265.71	4,614.15	37.21	46.17	39.78	1,031.54	1,963.40	681.85	622.82	59.03	11.551		
5,500.00	5,048.07	5,364.57	4,693.87	38.18	47.38	39.93	1,059.18	2,014.91	696.79	636.18	60.61	11.496		
5,600.00	5,134.81	5,463.43	4,773.59	39.15	48.59	40.08	1,086.82	2,066.43	711.75	649.55	62.19	11.444		
5,700.00	5,221.56	5,562.29	4,853.31	40.12	49.80	40.22	1,114.46	2,117.95	726.70	662.93	63.78	11.394		
5,800.00	5,308.31	5,661.15	4,933.03	41.09	51.01	40.36	1,142.10	2,169.46	741.67	676.30	65.36	11.347		
5,900.00	5,395.05	5,760.01	5,012.75	42.06	52.22	40.49	1,169.74	2,220.98	756.63	689.68	66.95	11.301		
6,000.00	5,481.80	5,858.87	5,092.47	43.03	53.44	40.61	1,197.38	2,272.50	771.60	703.06	68.55	11.257		
6,100.00	5,568.55	5,957.73	5,172.19	44.00	54.65	40.73	1,225.02	2,324.01	786.57	716.44	70.14	11.215		
6,200.00	5,655.30	6,056.59	5,251.91	44.97	55.86	40.85	1,252.66	2,375.53	801.55	729.82	71.73	11.174		
6,300.00	5,742.04	6,155.45	5,331.63	45.94	57.07	40.96	1,280.30	2,427.05	816.53	743.20	73.33	11.135		
6,400.00	5,828.79	6,254.31	5,411.35	46.92	58.28	41.07	1,307.94	2,478.57	831.51	756.58	74.93	11.097		
6,500.00	5,915.54	6,353.17	5,491.07	47.89	59.50	41.17	1,335.58	2,530.08	846.50	769.97	76.53	11.061		
6,600.00	6,002.28	6,452.03	5,570.79	48.86	60.71	41.27	1,363.22	2,581.60	861.48	783.35	78.13	11.026		
6,700.00	6,089.03	6,550.89	5,650.51	49.83	61.92	41.37	1,390.86	2,633.12	876.47	796.74	79.73	10.992		
6,800.00	6,175.78	6,649.75	5,730.23	50.81	63.14	41.46	1,418.50	2,684.63	891.47	810.13	81.34	10.960		
6,900.00	6,262.53	6,748.61	5,809.95	51.78	64.35	41.55	1,446.13	2,736.15	906.46	823.52	82.94	10.929		
7,000.00	6,349.27	6,847.47	5,889.67	52.76	65.56	41.64	1,473.77	2,787.67	921.46	836.91	84.55	10.898		
7,100.00	6,436.02	6,946.32	5,969.39	53.73	66.78	41.72	1,501.41	2,839.19	936.46	850.30	86.16	10.869		
7,200.00	6,522.77	7,045.18	6,049.11	54.71	67.99	41.80	1,529.05	2,890.70	951.46	863.69	87.77	10.841		
7,300.00	6,609.51	7,144.04	6,128.83	55.68	69.21	41.88	1,556.69	2,942.22	966.46	877.08	89.38	10.813		
7,400.00	6,696.26	7,242.90	6,208.55	56.66	70.42	41.96	1,584.33	2,993.74	981.46	890.47	90.99	10.787		
7,500.00	6,783.01	7,341.76	6,288.27	57.63	71.63	42.04	1,611.97	3,045.25	996.47	903.87	92.60	10.761		
7,600.00	6,869.76	7,440.62	6,367.99	58.61	72.85	42.11	1,639.61	3,096.77	1,011.48	917.26	94.21	10.736		
7,683.49	6,942.18	7,523.16	6,434.55	59.42	73.86	42.17	1,662.69	3,139.78	1,024.01	928.45	95.56	10.716		
7,700.00	6,956.57	7,539.49	6,447.71	59.58	74.06	39.98	1,667.25	3,148.29	1,026.46	930.65	95.81	10.714		
7,750.00	7,000.85	7,588.88	6,487.54	60.04	74.67	32.15	1,681.06	3,174.03	1,033.51	937.16	96.35	10.727		
7,800.00	7,045.94	7,637.91	6,527.08	60.46	75.27	22.57	1,694.77	3,199.58	1,040.01	943.44	96.57	10.770		
7,850.00	7,091.49	7,686.20	6,566.02	60.84	75.87	11.67	1,708.27	3,224.74	1,046.00	949.54	96.45	10.845		
7,900.00	7,137.15	7,733.38	6,604.06	61.17	76.45	0.23	1,721.46	3,249.33	1,051.56	955.55	96.01	10.952		
7,950.00	7,182.58	7,779.09	6,640.93	61.44	77.01	-10.82	1,734.24	3,273.15	1,056.84	961.59	95.25	11.095		
8,000.00	7,227.43	7,822.99	6,676.33	61.67	77.55	-20.77	1,746.52	3,296.03	1,062.01	967.82	94.19	11.275		
8,050.00	7,271.36	7,864.74	6,709.99	61.84	78.06	-29.33	1,758.19	3,317.79	1,067.27	974.43	92.84	11.495		
8,100.00	7,314.04	7,904.03	6,741.67	61.96	78.55	-36.47	1,769.17	3,338.26	1,072.85	981.61	91.25	11.757		
8,150.00	7,355.14	7,940.54	6,771.12	62.04	78.99	-42.35	1,779.38	3,357.29	1,079.00	989.55	89.45	12.063		
8,200.00	7,394.34	7,974.02	6,798.12	62.07	79.41	-47.12	1,788.74	3,374.73	1,085.94	998.44	87.50	12.411		
8,250.00	7,431.36	8,004.20	6,822.45	62.06	79.78	-50.92	1,797.18	3,390.46	1,093.91	1,008.44	85.47	12.799		
8,300.00	7,465.90	8,030.85	6,843.94	62.01	80.10	-53.87	1,804.63	3,404.35	1,103.09	1,019.67	83.42	13.223		
8,350.00	7,497.71	8,053.76	6,862.42	61.93	80.39	-56.04	1,811.04	3,416.29	1,113.65	1,032.20	81.45	13.673		
8,400.00	7,526.53	8,072.78	6,877.75	61.81	80.62	-57.48	1,816.35	3,426.20	1,125.71	1,046.08	79.63	14.137		
8,450.00	7,552.17	8,087.74	6,889.82	61.66	80.80	-58.23	1,820.54	3,433.99	1,139.32	1,061.28	78.03	14.600		
8,500.00	7,574.41	8,098.54	6,898.53	61.48	80.94	-58.33	1,823.56	3,439.62	1,154.48	1,077.75	76.73	15.046		
8,550.00	7,593.09	8,105.10	6,903.82	61.29	81.02	-57.79	1,825.39	3,443.04	1,171.15	1,095.39	75.75	15.460		
8,600.00	7,608.07	8,107.36	6,905.64	61.07	81.05	-56.66	1,826.02	3,444.22	1,189.20	1,114.06	75.14	15.827		
8,650.00	7,619.23	8,105.30	6,903.98	60.84	81.02	-54.97	1,825.45	3,443.15	1,208.46	1,133.58	74.87	16.140		
8,700.00	7,626.48	8,098.95	6,898.86	60.60	80.94	-52.78	1,823.67	3,439.84	1,228.70	1,153.77	74.94	16.396		
8,750.00	7,629.78	8,088.35	6,890.31	60.35	80.81	-50.16	1,820.71	3,434.31	1,249.68	1,174.38	75.30	16.597		
8,766.45	7,630.00	8,083.95	6,886.76	60.27	80.76	-49.21	1,819.48	3,432.02	1,256.69	1,181.22	75.47	16.652		
8,800.00	7,630.00	8,074.51	6,879.15	60.10	80.64	-48.76	1,816.84	3,427.10	1,271.35	1,195.45	75.90	16.750		
8,900.00	7,630.00	8,046.37	6,856.46	59.61	80.30	-47.42	1,808.97	3,412.44	1,318.76	1,241.02	77.74	16.963		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
9,000.00	7,630.00	9,568.80	7,630.00	59.15	85.38	-90.04	1,047.30	3,908.86	1,339.64	1,255.40	84.24	15.903		
9,100.00	7,630.00	9,668.80	7,630.00	58.71	85.05	-90.04	947.30	3,908.52	1,339.64	1,256.16	83.48	16.047		
9,200.00	7,630.00	9,768.80	7,630.00	58.30	84.73	-90.04	847.30	3,908.19	1,339.64	1,256.77	82.87	16.165		
9,300.00	7,630.00	9,868.80	7,630.00	57.91	84.43	-90.04	747.30	3,907.85	1,339.64	1,257.24	82.41	16.256		
9,400.00	7,630.00	9,968.80	7,630.00	57.54	84.15	-90.04	647.30	3,907.52	1,339.65	1,257.55	82.09	16.318		
9,500.00	7,630.00	10,068.80	7,630.00	57.19	83.88	-90.04	547.30	3,907.18	1,339.65	1,257.71	81.93	16.351		
9,600.00	7,630.00	10,168.80	7,630.00	56.87	83.63	-90.04	447.30	3,906.85	1,339.65	1,257.72	81.92	16.353		
9,700.00	7,630.00	10,268.80	7,630.00	56.57	83.40	-90.04	347.30	3,906.51	1,339.65	1,257.58	82.07	16.324		
9,800.00	7,630.00	10,368.80	7,630.00	56.30	83.18	-90.04	247.30	3,906.17	1,339.65	1,257.29	82.36	16.265		
9,900.00	7,630.00	10,468.80	7,630.00	56.05	82.98	-90.04	147.30	3,905.84	1,339.65	1,256.84	82.81	16.178		
10,000.00	7,630.00	10,568.80	7,630.00	55.82	82.80	-90.04	47.30	3,905.50	1,339.65	1,256.25	83.40	16.063		
10,100.00	7,630.00	10,668.80	7,630.00	55.63	82.63	-90.04	-52.69	3,905.17	1,339.65	1,255.51	84.14	15.922		
10,200.00	7,630.00	10,768.80	7,630.00	55.46	82.49	-90.04	-152.69	3,904.83	1,339.65	1,254.63	85.02	15.758		
10,300.00	7,630.00	10,868.80	7,630.00	55.32	82.36	-90.04	-252.69	3,904.49	1,339.65	1,253.62	86.03	15.572		
10,400.00	7,630.00	10,968.80	7,630.00	55.22	82.25	-90.04	-352.69	3,904.16	1,339.65	1,252.47	87.18	15.367		
10,500.00	7,630.00	11,068.80	7,630.00	55.15	82.16	-90.04	-452.69	3,903.82	1,339.65	1,251.20	88.45	15.146		
10,600.00	7,630.00	11,168.80	7,630.00	55.14	82.10	-90.04	-552.69	3,903.49	1,339.65	1,249.81	89.84	14.911		
10,700.00	7,630.00	11,268.80	7,630.00	55.18	82.05	-90.04	-652.69	3,903.15	1,339.65	1,248.30	91.35	14.664		
10,800.00	7,630.00	11,368.80	7,630.00	55.28	82.03	-90.04	-752.69	3,902.81	1,339.65	1,246.68	92.97	14.409		
10,900.00	7,630.00	11,468.80	7,630.00	55.47	82.02	-90.04	-852.69	3,902.48	1,339.65	1,244.95	94.70	14.146		
11,000.00	7,630.00	11,568.80	7,630.00	55.74	82.05	-90.04	-952.69	3,902.14	1,339.65	1,243.13	96.52	13.880		
11,100.00	7,630.00	11,668.80	7,630.00	56.11	82.10	-90.04	-1,052.69	3,901.81	1,339.65	1,241.22	98.44	13.610		
11,200.00	7,630.00	11,768.80	7,630.00	56.60	82.18	-90.04	-1,152.69	3,901.47	1,339.66	1,239.22	100.44	13.338		
11,300.00	7,630.00	11,868.80	7,630.00	57.20	82.29	-90.04	-1,252.69	3,901.13	1,339.66	1,237.13	102.52	13.067		
11,400.00	7,630.00	11,968.80	7,630.00	57.91	82.43	-90.04	-1,352.69	3,900.80	1,339.66	1,234.97	104.69	12.797		
11,500.00	7,630.00	12,068.80	7,630.00	58.72	82.60	-90.04	-1,452.69	3,900.46	1,339.66	1,232.73	106.92	12.529		
11,600.00	7,630.00	12,168.80	7,630.00	59.63	82.81	-90.04	-1,552.69	3,900.13	1,339.66	1,230.43	109.23	12.265		
11,700.00	7,630.00	12,268.80	7,630.00	60.61	83.06	-90.04	-1,652.69	3,899.79	1,339.66	1,228.06	111.60	12.004		
11,800.00	7,630.00	12,368.80	7,630.00	61.67	83.34	-90.04	-1,752.68	3,899.46	1,339.66	1,225.63	114.03	11.749		
11,900.00	7,630.00	12,468.80	7,630.00	62.78	83.67	-90.04	-1,852.68	3,899.12	1,339.66	1,223.15	116.51	11.498		
12,000.00	7,630.00	12,568.80	7,630.00	63.95	84.05	-90.04	-1,952.68	3,898.78	1,339.66	1,220.61	119.05	11.253		
12,100.00	7,630.00	12,668.80	7,630.00	65.16	84.47	-90.04	-2,052.68	3,898.45	1,339.66	1,218.02	121.64	11.013		
12,200.00	7,630.00	12,768.80	7,630.00	66.41	84.94	-90.04	-2,152.68	3,898.11	1,339.66	1,215.39	124.27	10.780		
12,300.00	7,630.00	12,868.80	7,630.00	67.68	85.46	-90.04	-2,252.68	3,897.78	1,339.66	1,212.71	126.95	10.552		
12,400.00	7,630.00	12,968.80	7,630.00	68.99	86.03	-90.04	-2,352.68	3,897.44	1,339.66	1,209.99	129.67	10.331		
12,500.00	7,630.00	13,068.80	7,630.00	70.33	86.66	-90.04	-2,452.68	3,897.10	1,339.66	1,207.23	132.43	10.116		
12,600.00	7,630.00	13,168.80	7,630.00	71.68	87.33	-90.04	-2,552.68	3,896.77	1,339.66	1,204.44	135.22	9.907		
12,700.00	7,630.00	13,268.80	7,630.00	73.06	88.06	-90.04	-2,652.68	3,896.43	1,339.66	1,201.61	138.05	9.704		
12,800.00	7,630.00	13,368.80	7,630.00	74.45	88.84	-90.04	-2,752.68	3,896.10	1,339.66	1,198.75	140.91	9.507		
12,900.00	7,630.00	13,468.80	7,630.00	75.87	89.67	-90.04	-2,852.68	3,895.76	1,339.66	1,195.86	143.80	9.316		
13,000.00	7,630.00	13,568.80	7,630.00	77.29	90.55	-90.04	-2,952.68	3,895.42	1,339.67	1,192.95	146.72	9.131		
13,100.00	7,630.00	13,668.80	7,630.00	78.74	91.48	-90.04	-3,052.68	3,895.09	1,339.67	1,190.00	149.66	8.951		
13,200.00	7,630.00	13,768.80	7,630.00	80.19	92.45	-90.04	-3,152.68	3,894.75	1,339.67	1,187.03	152.63	8.777		
13,300.00	7,630.00	13,868.80	7,630.00	81.66	93.47	-90.04	-3,252.68	3,894.42	1,339.67	1,184.04	155.63	8.608		
13,400.00	7,630.00	13,968.80	7,630.00	83.14	94.52	-90.04	-3,352.68	3,894.08	1,339.67	1,181.03	158.64	8.445		
13,500.00	7,630.00	14,068.80	7,630.00	84.63	95.62	-90.04	-3,452.68	3,893.75	1,339.67	1,177.99	161.68	8.286		
13,600.00	7,630.00	14,168.80	7,630.00	86.14	96.75	-90.04	-3,552.67	3,893.41	1,339.67	1,174.93	164.73	8.132		
13,700.00	7,630.00	14,268.80	7,630.00	87.65	97.91	-90.04	-3,652.67	3,893.07	1,339.67	1,171.86	167.81	7.983		
13,800.00	7,630.00	14,368.80	7,630.00	89.17	99.11	-90.04	-3,752.67	3,892.74	1,339.67	1,168.77	170.90	7.839		
13,900.00	7,630.00	14,468.80	7,630.00	90.70	100.33	-90.04	-3,852.67	3,892.40	1,339.67	1,165.66	174.01	7.699		
14,000.00	7,630.00	14,568.80	7,630.00	92.24	101.58	-90.04	-3,952.67	3,892.07	1,339.67	1,162.53	177.14	7.563		
14,100.00	7,630.00	14,668.80	7,630.00	93.78	102.85	-90.04	-4,052.67	3,891.73	1,339.67	1,159.39	180.28	7.431		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	14,768.80	7,630.00	95.33	104.15	-90.04	-4,152.67	3,891.39	1,339.67	1,156.24	183.43	7.303		
14,300.00	7,630.00	14,868.80	7,630.00	96.89	105.47	-90.04	-4,252.67	3,891.06	1,339.67	1,153.07	186.60	7.179		
14,400.00	7,630.00	14,968.80	7,630.00	98.46	106.81	-90.04	-4,352.67	3,890.72	1,339.67	1,149.89	189.78	7.059		
14,500.00	7,630.00	15,068.80	7,630.00	100.03	108.17	-90.04	-4,452.67	3,890.39	1,339.67	1,146.70	192.98	6.942		
14,600.00	7,630.00	15,168.80	7,630.00	101.61	109.55	-90.04	-4,552.67	3,890.05	1,339.67	1,143.49	196.18	6.829		
14,700.00	7,630.00	15,268.80	7,630.00	103.20	110.94	-90.04	-4,652.67	3,889.71	1,339.67	1,140.28	199.40	6.719		
14,800.00	7,630.00	15,368.80	7,630.00	104.78	112.35	-90.04	-4,752.67	3,889.38	1,339.68	1,137.05	202.63	6.612		
14,900.00	7,630.00	15,468.80	7,630.00	106.38	113.77	-90.04	-4,852.67	3,889.04	1,339.68	1,133.81	205.86	6.508		
15,000.00	7,630.00	15,568.80	7,630.00	107.98	115.21	-90.04	-4,952.67	3,888.71	1,339.68	1,130.57	209.11	6.407		
15,100.00	7,630.00	15,668.80	7,630.00	109.58	116.66	-90.04	-5,052.67	3,888.37	1,339.68	1,127.31	212.37	6.308		
15,200.00	7,630.00	15,768.80	7,630.00	111.19	118.12	-90.04	-5,152.67	3,888.04	1,339.68	1,124.05	215.63	6.213		
15,300.00	7,630.00	15,868.80	7,630.00	112.81	119.59	-90.04	-5,252.67	3,887.70	1,339.68	1,120.77	218.90	6.120		
15,400.00	7,630.00	15,968.80	7,630.00	114.42	121.07	-90.04	-5,352.66	3,887.36	1,339.68	1,117.49	222.18	6.030		
15,500.00	7,630.00	16,068.80	7,630.00	116.05	122.56	-90.04	-5,452.66	3,887.03	1,339.68	1,114.21	225.47	5.942		
15,600.00	7,630.00	16,168.80	7,630.00	117.67	124.06	-90.04	-5,552.66	3,886.69	1,339.68	1,110.91	228.77	5.856		
15,700.00	7,630.00	16,268.80	7,630.00	119.30	125.57	-90.04	-5,652.66	3,886.36	1,339.68	1,107.61	232.07	5.773		
15,800.00	7,630.00	16,368.80	7,630.00	120.93	127.09	-90.04	-5,752.66	3,886.02	1,339.68	1,104.30	235.38	5.692		
15,900.00	7,630.00	16,468.80	7,630.00	122.57	128.61	-90.04	-5,852.66	3,885.68	1,339.68	1,100.98	238.70	5.612		
16,000.00	7,630.00	16,568.80	7,630.00	124.21	130.14	-90.04	-5,952.66	3,885.35	1,339.68	1,097.66	242.02	5.535		
16,100.00	7,630.00	16,668.80	7,630.00	125.85	131.68	-90.04	-6,052.66	3,885.01	1,339.68	1,094.33	245.35	5.460		
16,200.00	7,630.00	16,768.80	7,630.00	127.50	133.23	-90.04	-6,152.66	3,884.68	1,339.68	1,091.00	248.68	5.387		
16,300.00	7,630.00	16,868.80	7,630.00	129.15	134.78	-90.04	-6,252.66	3,884.34	1,339.68	1,087.66	252.02	5.316		
16,400.00	7,630.00	16,968.80	7,630.00	130.80	136.34	-90.04	-6,352.66	3,884.00	1,339.68	1,084.32	255.37	5.246		
16,500.00	7,630.00	17,068.80	7,630.00	132.46	137.90	-90.04	-6,452.66	3,883.67	1,339.68	1,080.97	258.72	5.178		
16,600.00	7,630.00	17,168.80	7,630.00	134.11	139.47	-90.04	-6,552.66	3,883.33	1,339.69	1,077.61	262.07	5.112		
16,700.00	7,630.00	17,268.80	7,630.00	135.77	141.05	-90.04	-6,652.66	3,883.00	1,339.69	1,074.25	265.43	5.047		
16,800.00	7,630.00	17,368.80	7,630.00	137.43	142.63	-90.04	-6,752.66	3,882.66	1,339.69	1,070.89	268.80	4.984		
16,900.00	7,630.00	17,468.80	7,630.00	139.10	144.22	-90.04	-6,852.66	3,882.32	1,339.69	1,067.52	272.16	4.922		
17,000.00	7,630.00	17,568.80	7,630.00	140.77	145.81	-90.04	-6,952.66	3,881.99	1,339.69	1,064.15	275.54	4.862		
17,100.00	7,630.00	17,668.80	7,630.00	142.44	147.40	-90.04	-7,052.66	3,881.65	1,339.69	1,060.78	278.91	4.803		
17,200.00	7,630.00	17,768.80	7,630.00	144.11	149.00	-90.04	-7,152.65	3,881.32	1,339.69	1,057.40	282.29	4.746		
17,300.00	7,630.00	17,868.80	7,630.00	145.78	150.60	-90.04	-7,252.65	3,880.98	1,339.69	1,054.01	285.68	4.690		
17,400.00	7,630.00	17,968.80	7,630.00	147.46	152.21	-90.04	-7,352.65	3,880.65	1,339.69	1,050.63	289.06	4.635		
17,500.00	7,630.00	18,068.80	7,630.00	149.13	153.82	-90.04	-7,452.65	3,880.31	1,339.69	1,047.23	292.46	4.581		
17,600.00	7,630.00	18,168.80	7,630.00	150.81	155.43	-90.04	-7,552.65	3,879.97	1,339.69	1,043.84	295.85	4.528		
17,700.00	7,630.00	18,268.80	7,630.00	152.49	157.05	-90.04	-7,652.65	3,879.64	1,339.69	1,040.44	299.25	4.477		
17,800.00	7,630.00	18,368.80	7,630.00	154.18	158.67	-90.04	-7,752.65	3,879.30	1,339.69	1,037.04	302.65	4.427		
17,900.00	7,630.00	18,468.80	7,630.00	155.86	160.30	-90.04	-7,852.65	3,878.97	1,339.69	1,033.64	306.05	4.377		
18,000.00	7,630.00	18,568.80	7,630.00	157.55	161.92	-90.04	-7,952.65	3,878.63	1,339.69	1,030.23	309.46	4.329		
18,100.00	7,630.00	18,668.80	7,630.00	159.24	163.55	-90.04	-8,052.65	3,878.29	1,339.69	1,026.83	312.87	4.282		
18,200.00	7,630.00	18,768.80	7,630.00	160.92	165.19	-90.04	-8,152.65	3,877.96	1,339.69	1,023.41	316.28	4.236		
18,300.00	7,630.00	18,868.80	7,630.00	162.62	166.82	-90.04	-8,252.65	3,877.62	1,339.69	1,020.00	319.70	4.191		
18,400.00	7,630.00	18,968.80	7,630.00	164.31	168.46	-90.04	-8,352.65	3,877.29	1,339.70	1,016.58	323.11	4.146		
18,404.46	7,630.00	18,973.26	7,630.00	164.38	168.54	-90.04	-8,357.11	3,877.27	1,339.70	1,016.43	323.27	4.144		
18,458.39	7,630.00	19,021.79	7,630.00	165.30	169.33	-90.04	-8,405.64	3,877.11	1,339.71	1,014.40	325.30	4.118 SF		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	90.42	-0.36	49.84	49.84					
100.00	100.00	101.00	99.00	0.13	0.14	90.42	-0.36	49.84	49.84	49.57	0.27	182.947		
200.00	200.00	201.00	199.00	0.49	0.50	90.42	-0.36	49.84	49.84	48.85	0.99	50.377		
300.00	300.00	301.00	299.00	0.85	0.85	90.42	-0.36	49.84	49.84	48.14	1.71	29.210		
400.00	400.00	401.00	399.00	1.21	1.21	90.42	-0.36	49.84	49.84	47.42	2.42	20.568		
500.00	500.00	501.00	499.00	1.57	1.57	90.42	-0.36	49.84	49.84	46.70	3.14	15.872		
600.00	600.00	599.00	599.00	1.93	1.92	90.42	-0.36	49.84	49.84	45.99	3.85	12.946	CC, ES	
700.00	700.00	697.45	697.43	2.29	2.27	89.59	0.37	51.33	51.35	46.80	4.56	11.271		
800.00	800.00	795.65	795.49	2.64	2.62	87.35	2.58	55.83	56.00	50.75	5.26	10.654		
900.00	900.00	893.39	892.88	3.00	2.97	84.35	6.26	63.31	63.91	57.96	5.95	10.739		
1,000.00	1,000.00	990.45	989.24	3.36	3.34	81.24	11.36	73.68	75.19	68.55	6.64	11.324		
1,100.00	1,100.00	1,086.62	1,084.28	3.72	3.71	78.40	17.83	86.84	89.86	82.55	7.32	12.279		
1,200.00	1,199.98	1,182.01	1,178.01	4.07	4.10	25.17	25.63	102.71	106.37	98.39	7.98	13.326		
1,300.00	1,299.84	1,276.86	1,270.58	4.43	4.52	23.91	34.75	121.27	123.04	114.41	8.63	14.253		
1,400.00	1,399.45	1,371.19	1,361.91	4.79	4.97	23.24	45.16	142.43	139.78	130.51	9.28	15.068		
1,500.00	1,498.70	1,465.01	1,451.92	5.15	5.45	22.96	56.82	166.15	156.55	146.63	9.92	15.781		
1,600.00	1,597.47	1,558.31	1,540.54	5.53	5.97	22.96	69.69	192.34	173.32	162.76	10.56	16.409		
1,700.00	1,695.62	1,651.11	1,627.68	5.93	6.52	23.16	83.76	220.96	190.07	178.86	11.21	16.960		
1,800.00	1,793.06	1,743.41	1,713.30	6.35	7.12	23.50	98.98	251.91	206.79	194.94	11.86	17.440		
1,900.00	1,889.64	1,835.23	1,797.31	6.79	7.77	23.96	115.32	285.14	223.49	210.97	12.52	17.853		
2,000.00	1,985.27	1,926.57	1,879.67	7.27	8.46	24.50	132.74	320.58	240.15	226.95	13.19	18.201		
2,100.00	2,079.82	2,017.45	1,960.32	7.79	9.20	25.11	151.22	358.16	256.77	242.88	13.89	18.485		
2,200.00	2,173.17	2,107.86	2,039.20	8.36	9.99	25.77	170.71	397.81	273.37	258.75	14.62	18.704		
2,300.00	2,265.21	2,197.83	2,116.27	8.97	10.83	26.47	191.19	439.46	289.93	274.56	15.38	18.857		
2,400.00	2,355.84	2,287.36	2,191.48	9.64	11.73	27.20	212.61	483.05	306.47	290.29	16.18	18.941		
2,500.00	2,444.94	2,376.47	2,264.79	10.36	12.68	27.96	234.96	528.50	322.98	305.94	17.04	18.957		
2,591.69	2,525.19	2,460.99	2,332.94	11.07	13.62	28.71	257.01	573.35	337.95	320.00	17.95	18.828		
2,600.00	2,532.40	2,469.18	2,339.51	11.14	13.71	28.80	259.16	577.73	339.24	321.19	18.05	18.798		
2,700.00	2,619.15	2,567.75	2,418.66	11.96	14.84	29.84	285.09	630.46	354.86	335.60	19.26	18.422		
2,800.00	2,705.89	2,666.33	2,497.81	12.81	15.99	30.80	311.01	683.19	370.59	350.06	20.52	18.056		
2,900.00	2,792.64	2,764.90	2,576.96	13.67	17.15	31.68	336.93	735.92	386.40	364.58	21.83	17.703		
3,000.00	2,879.39	2,863.47	2,656.11	14.55	18.32	32.49	362.86	788.65	402.30	379.14	23.17	17.365		
3,100.00	2,966.14	2,962.05	2,735.25	15.44	19.50	33.23	388.78	841.38	418.28	393.74	24.54	17.045		
3,200.00	3,052.88	3,060.62	2,814.40	16.34	20.69	33.93	414.71	894.11	434.31	408.37	25.94	16.743		
3,300.00	3,139.63	3,159.20	2,893.55	17.25	21.88	34.57	440.63	946.84	450.41	423.04	27.37	16.458		
3,400.00	3,226.38	3,257.77	2,972.70	18.17	23.07	35.17	466.55	999.57	466.55	437.74	28.82	16.190		
3,500.00	3,313.12	3,356.35	3,051.85	19.09	24.27	35.73	492.48	1,052.30	482.75	452.46	30.29	15.939		
3,600.00	3,399.87	3,454.92	3,130.99	20.02	25.48	36.25	518.40	1,105.04	498.98	467.20	31.78	15.703		
3,700.00	3,486.62	3,553.49	3,210.14	20.96	26.68	36.74	544.32	1,157.77	515.25	481.97	33.28	15.482		
3,800.00	3,573.37	3,652.07	3,289.29	21.90	27.89	37.20	570.25	1,210.50	531.56	496.76	34.80	15.274		
3,900.00	3,660.11	3,750.64	3,368.44	22.84	29.10	37.63	596.17	1,263.23	547.90	511.56	36.34	15.079		
4,000.00	3,746.86	3,849.22	3,447.59	23.78	30.31	38.04	622.09	1,315.96	564.26	526.38	37.88	14.895		
4,100.00	3,833.61	3,947.79	3,526.73	24.73	31.53	38.43	648.02	1,368.69	580.66	541.22	39.44	14.723		
4,200.00	3,920.35	4,046.37	3,605.88	25.68	32.75	38.79	673.94	1,421.42	597.07	556.07	41.01	14.561		
4,300.00	4,007.10	4,144.94	3,685.03	26.63	33.96	39.13	699.87	1,474.15	613.51	570.93	42.58	14.408		
4,400.00	4,093.85	4,243.51	3,764.18	27.59	35.18	39.46	725.79	1,526.88	629.97	585.81	44.17	14.264		
4,500.00	4,180.60	4,342.09	3,843.32	28.55	36.40	39.77	751.71	1,579.61	646.45	600.69	45.76	14.128		
4,600.00	4,267.34	4,440.66	3,922.47	29.50	37.62	40.06	777.64	1,632.34	662.95	615.59	47.36	13.999		
4,700.00	4,354.09	4,539.24	4,001.62	30.46	38.84	40.34	803.56	1,685.07	679.46	630.50	48.96	13.877		
4,800.00	4,440.84	4,637.81	4,080.77	31.42	40.07	40.61	829.48	1,737.80	695.99	645.41	50.57	13.762		
4,900.00	4,527.58	4,736.39	4,159.92	32.39	41.29	40.86	855.41	1,790.53	712.53	660.34	52.19	13.652		
5,000.00	4,614.33	4,834.96	4,239.06	33.35	42.51	41.11	881.33	1,843.26	729.08	675.27	53.81	13.549		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,701.08	4,933.53	4,318.21	34.31	43.74	41.34	907.25	1,895.99	745.65	690.21	55.44	13.450		
5,200.00	4,787.82	5,032.11	4,397.36	35.28	44.97	41.56	933.18	1,948.72	762.22	705.15	57.07	13.356		
5,300.00	4,874.57	5,130.68	4,476.51	36.25	46.19	41.77	959.10	2,001.45	778.81	720.11	58.70	13.267		
5,400.00	4,961.32	5,229.26	4,555.66	37.21	47.42	41.97	985.03	2,054.18	795.41	735.07	60.34	13.181		
5,500.00	5,048.07	5,327.83	4,634.80	38.18	48.64	42.17	1,010.95	2,106.91	812.02	750.03	61.99	13.100		
5,600.00	5,134.81	5,426.41	4,713.95	39.15	49.87	42.36	1,036.87	2,159.64	828.64	765.00	63.63	13.023		
5,700.00	5,221.56	5,524.98	4,793.10	40.12	51.10	42.54	1,062.80	2,212.37	845.26	779.98	65.28	12.948		
5,800.00	5,308.31	5,623.55	4,872.25	41.09	52.33	42.71	1,088.72	2,265.10	861.89	794.96	66.93	12.877		
5,900.00	5,395.05	5,722.13	4,951.40	42.06	53.56	42.88	1,114.64	2,317.83	878.53	809.95	68.58	12.810		
6,000.00	5,481.80	5,820.70	5,030.54	43.03	54.78	43.04	1,140.57	2,370.56	895.18	824.94	70.24	12.744		
6,100.00	5,568.55	5,919.28	5,109.69	44.00	56.01	43.19	1,166.49	2,423.29	911.83	839.93	71.90	12.682		
6,200.00	5,655.30	6,017.85	5,188.84	44.97	57.24	43.34	1,192.41	2,476.02	928.49	854.93	73.56	12.622		
6,300.00	5,742.04	6,116.43	5,267.99	45.94	58.47	43.48	1,218.34	2,528.75	945.16	869.93	75.22	12.565		
6,400.00	5,828.79	6,215.00	5,347.14	46.92	59.70	43.62	1,244.26	2,581.48	961.83	884.94	76.89	12.509		
6,500.00	5,915.54	6,313.57	5,426.28	47.89	60.93	43.76	1,270.19	2,634.21	978.51	899.95	78.56	12.456		
6,600.00	6,002.28	6,412.15	5,505.43	48.86	62.16	43.89	1,296.11	2,686.94	995.19	914.96	80.22	12.405		
6,700.00	6,089.03	6,510.72	5,584.58	49.83	63.39	44.01	1,322.03	2,739.67	1,011.87	929.98	81.89	12.356		
6,800.00	6,175.78	6,609.30	5,663.73	50.81	64.62	44.13	1,347.96	2,792.40	1,028.56	945.00	83.57	12.308		
6,900.00	6,262.53	6,707.87	5,742.87	51.78	65.86	44.25	1,373.88	2,845.13	1,045.26	960.02	85.24	12.263		
7,000.00	6,349.27	6,806.45	5,822.02	52.76	67.09	44.36	1,399.80	2,897.86	1,061.96	975.04	86.91	12.219		
7,100.00	6,436.02	6,905.02	5,901.17	53.73	68.32	44.47	1,425.73	2,950.59	1,078.66	990.07	88.59	12.176		
7,200.00	6,522.77	7,003.59	5,980.32	54.71	69.55	44.58	1,451.65	3,003.32	1,095.37	1,005.10	90.27	12.135		
7,300.00	6,609.51	7,102.17	6,059.47	55.68	70.78	44.68	1,477.57	3,056.05	1,112.08	1,020.13	91.95	12.095		
7,400.00	6,696.26	7,200.74	6,138.61	56.66	72.01	44.78	1,503.50	3,108.78	1,128.79	1,035.17	93.63	12.056		
7,500.00	6,783.01	7,299.32	6,217.76	57.63	73.24	44.88	1,529.42	3,161.51	1,145.51	1,050.20	95.31	12.019		
7,600.00	6,869.76	7,397.89	6,296.91	58.61	74.48	44.98	1,555.35	3,214.24	1,162.23	1,065.24	96.99	11.983		
7,683.49	6,942.18	7,480.19	6,362.99	59.42	75.50	45.05	1,576.99	3,258.27	1,176.19	1,077.80	98.39	11.954		
7,700.00	6,956.57	7,503.53	6,376.07	59.58	75.80	42.90	1,581.27	3,266.97	1,178.91	1,080.20	98.71	11.943		
7,750.00	7,000.85	7,545.79	6,415.66	60.04	76.32	35.17	1,594.24	3,293.35	1,186.64	1,087.38	99.26	11.955		
7,800.00	7,045.94	7,605.19	6,455.02	60.46	77.07	25.70	1,607.13	3,319.57	1,193.59	1,093.93	99.66	11.977		
7,850.00	7,091.49	7,643.16	6,493.84	60.84	77.54	14.90	1,619.85	3,345.44	1,199.78	1,100.19	99.59	12.047		
7,900.00	7,137.15	7,709.53	6,531.83	61.17	78.37	3.57	1,632.29	3,370.75	1,205.27	1,105.81	99.46	12.118		
7,950.00	7,182.58	7,736.39	6,568.70	61.44	78.71	-7.38	1,644.37	3,395.31	1,210.17	1,111.45	98.72	12.258		
8,000.00	7,227.43	7,780.57	6,604.17	61.67	79.26	-17.26	1,655.98	3,418.94	1,214.64	1,116.78	97.86	12.413		
8,050.00	7,271.36	7,822.67	6,637.97	61.84	79.79	-25.76	1,667.06	3,441.46	1,218.84	1,122.13	96.71	12.603		
8,100.00	7,314.04	7,862.36	6,669.84	61.96	80.28	-32.88	1,677.49	3,462.70	1,222.99	1,127.68	95.32	12.831		
8,150.00	7,355.14	7,900.65	6,699.54	62.04	80.76	-38.79	1,687.22	3,482.48	1,227.30	1,133.60	93.71	13.097		
8,200.00	7,394.34	7,933.35	6,726.85	62.07	81.17	-43.63	1,696.16	3,500.67	1,231.99	1,140.10	91.89	13.408		
8,250.00	7,431.36	7,964.12	6,751.55	62.06	81.55	-47.57	1,704.25	3,517.13	1,237.27	1,147.34	89.94	13.757		
8,300.00	7,465.90	7,991.40	6,773.45	62.01	81.90	-50.71	1,711.43	3,531.72	1,243.35	1,155.45	87.90	14.145		
8,350.00	7,497.71	8,015.00	6,792.40	61.93	82.19	-53.15	1,717.64	3,544.35	1,250.41	1,164.57	85.84	14.567		
8,400.00	7,526.53	8,034.73	6,808.25	61.81	82.44	-54.92	1,722.83	3,554.90	1,258.58	1,174.76	83.82	15.015		
8,450.00	7,552.17	8,050.45	6,820.87	61.66	82.63	-56.07	1,726.96	3,563.31	1,267.97	1,186.06	81.91	15.480		
8,500.00	7,574.41	8,062.03	6,830.17	61.48	82.78	-56.64	1,730.01	3,569.51	1,278.63	1,198.45	80.17	15.949		
8,550.00	7,593.09	8,069.39	6,836.08	61.29	82.87	-56.64	1,731.94	3,573.44	1,290.55	1,211.89	78.66	16.406		
8,600.00	7,608.07	8,072.47	6,838.55	61.07	82.91	-56.10	1,732.75	3,575.09	1,303.70	1,226.27	77.43	16.837		
8,650.00	7,619.23	8,071.25	6,837.57	60.84	82.89	-55.05	1,732.43	3,574.44	1,317.95	1,241.46	76.50	17.228		
8,700.00	7,626.48	8,065.74	6,833.14	60.60	82.83	-53.54	1,730.98	3,571.49	1,333.17	1,257.29	75.88	17.570		
8,750.00	7,629.78	8,055.97	6,825.30	60.35	82.70	-51.61	1,728.41	3,566.26	1,349.14	1,273.59	75.55	17.857		
8,766.45	7,630.00	8,051.84	6,821.98	60.27	82.65	-50.89	1,727.33	3,564.06	1,354.53	1,279.02	75.51	17.938		
8,800.00	7,630.00	8,042.96	6,814.85	60.10	82.54	-50.50	1,724.99	3,559.30	1,365.90	1,290.38	75.51	18.088		
8,900.00	7,630.00	8,016.48	6,793.59	59.61	82.21	-49.37	1,718.03	3,545.14	1,403.66	1,327.45	76.21	18.417		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
9,000.00	7,630.00	7,990.00	6,772.33	59.15	81.88	-48.24	1,711.06	3,530.97	1,446.88	1,369.13	77.76	18.607		
9,100.00	7,630.00	7,963.52	6,751.07	58.71	81.55	-47.12	1,704.10	3,516.81	1,495.08	1,415.18	79.90	18.711		
9,200.00	7,630.00	7,937.04	6,729.81	58.30	81.22	-46.00	1,697.14	3,502.65	1,547.79	1,465.37	82.43	18.777		
9,300.00	7,630.00	7,910.57	6,708.55	57.91	80.89	-44.90	1,690.17	3,488.48	1,604.57	1,519.42	85.15	18.843		
9,400.00	7,630.00	7,884.09	6,687.29	57.54	80.55	-43.80	1,683.21	3,474.32	1,665.01	1,577.07	87.94	18.933		
9,500.00	7,630.00	10,432.13	7,870.00	57.19	91.27	-98.12	546.11	4,257.13	1,706.70	1,628.45	78.24	21.813		
9,600.00	7,630.00	10,532.13	7,870.00	56.87	91.03	-98.12	446.11	4,256.79	1,706.69	1,628.57	78.12	21.846		
9,700.00	7,630.00	10,632.13	7,870.00	56.57	90.81	-98.12	346.11	4,256.45	1,706.69	1,628.53	78.16	21.835		
9,800.00	7,630.00	10,732.13	7,870.00	56.30	90.61	-98.12	246.11	4,256.12	1,706.69	1,628.33	78.36	21.780		
9,900.00	7,630.00	10,832.13	7,870.00	56.05	90.42	-98.12	146.11	4,255.78	1,706.69	1,627.98	78.71	21.683		
10,000.00	7,630.00	10,932.13	7,870.00	55.82	90.25	-98.12	46.11	4,255.44	1,706.69	1,627.47	79.22	21.544		
10,100.00	7,630.00	11,032.13	7,870.00	55.63	90.10	-98.12	-53.89	4,255.10	1,706.69	1,626.81	79.88	21.366		
10,200.00	7,630.00	11,132.13	7,870.00	55.46	89.96	-98.12	-153.89	4,254.77	1,706.69	1,626.01	80.68	21.153		
10,300.00	7,630.00	11,232.13	7,870.00	55.32	89.84	-98.12	-253.89	4,254.43	1,706.69	1,625.06	81.63	20.908		
10,400.00	7,630.00	11,332.13	7,870.00	55.22	89.74	-98.12	-353.89	4,254.09	1,706.69	1,623.97	82.72	20.633		
10,500.00	7,630.00	11,432.13	7,870.00	55.15	89.65	-98.12	-453.89	4,253.76	1,706.69	1,622.75	83.93	20.334		
10,600.00	7,630.00	11,532.13	7,870.00	55.14	89.58	-98.12	-553.89	4,253.42	1,706.69	1,621.41	85.28	20.013		
10,700.00	7,630.00	11,632.13	7,870.00	55.18	89.54	-98.12	-653.89	4,253.08	1,706.69	1,619.94	86.74	19.675		
10,800.00	7,630.00	11,732.13	7,870.00	55.28	89.51	-98.12	-753.89	4,252.74	1,706.69	1,618.36	88.32	19.323		
10,900.00	7,630.00	11,832.13	7,870.00	55.47	89.50	-98.12	-853.89	4,252.41	1,706.69	1,616.67	90.01	18.960		
11,000.00	7,630.00	11,932.13	7,870.00	55.74	89.51	-98.12	-953.89	4,252.07	1,706.69	1,614.88	91.80	18.590		
11,100.00	7,630.00	12,032.13	7,870.00	56.11	89.55	-98.12	-1,053.89	4,251.73	1,706.68	1,612.99	93.69	18.216		
11,200.00	7,630.00	12,132.13	7,870.00	56.60	89.61	-98.12	-1,153.88	4,251.40	1,706.68	1,611.01	95.67	17.839		
11,300.00	7,630.00	12,232.13	7,870.00	57.20	89.69	-98.12	-1,253.88	4,251.06	1,706.68	1,608.95	97.74	17.462		
11,400.00	7,630.00	12,332.13	7,870.00	57.91	89.80	-98.12	-1,353.88	4,250.72	1,706.68	1,606.80	99.88	17.087		
11,500.00	7,630.00	12,432.13	7,870.00	58.72	89.94	-98.12	-1,453.88	4,250.39	1,706.68	1,604.58	102.10	16.716		
11,600.00	7,630.00	12,532.13	7,870.00	59.63	90.11	-98.12	-1,553.88	4,250.05	1,706.68	1,602.29	104.39	16.349		
11,700.00	7,630.00	12,632.13	7,870.00	60.61	90.30	-98.12	-1,653.88	4,249.71	1,706.68	1,599.93	106.75	15.988		
11,800.00	7,630.00	12,732.13	7,870.00	61.67	90.53	-98.12	-1,753.88	4,249.37	1,706.68	1,597.51	109.17	15.634		
11,900.00	7,630.00	12,832.13	7,870.00	62.78	90.79	-98.12	-1,853.88	4,249.04	1,706.68	1,595.04	111.64	15.287		
12,000.00	7,630.00	12,932.13	7,870.00	63.95	91.09	-98.12	-1,953.88	4,248.70	1,706.68	1,592.51	114.17	14.949		
12,100.00	7,630.00	13,032.13	7,870.00	65.16	91.43	-98.12	-2,053.88	4,248.36	1,706.68	1,589.93	116.75	14.618		
12,200.00	7,630.00	13,132.13	7,870.00	66.41	91.80	-98.12	-2,153.88	4,248.03	1,706.68	1,587.30	119.38	14.297		
12,300.00	7,630.00	13,232.13	7,870.00	67.68	92.21	-98.12	-2,253.88	4,247.69	1,706.68	1,584.63	122.05	13.984		
12,400.00	7,630.00	13,332.13	7,870.00	68.99	92.67	-98.12	-2,353.88	4,247.35	1,706.68	1,581.92	124.76	13.680		
12,500.00	7,630.00	13,432.13	7,870.00	70.33	93.17	-98.12	-2,453.88	4,247.01	1,706.68	1,579.17	127.51	13.385		
12,600.00	7,630.00	13,532.13	7,870.00	71.68	93.71	-98.12	-2,553.88	4,246.68	1,706.67	1,576.38	130.30	13.098		
12,700.00	7,630.00	13,632.13	7,870.00	73.06	94.29	-98.12	-2,653.88	4,246.34	1,706.67	1,573.56	133.12	12.821		
12,800.00	7,630.00	13,732.13	7,870.00	74.45	94.93	-98.12	-2,753.88	4,246.00	1,706.67	1,570.70	135.97	12.552		
12,900.00	7,630.00	13,832.13	7,870.00	75.87	95.60	-98.12	-2,853.87	4,245.67	1,706.67	1,567.82	138.85	12.291		
13,000.00	7,630.00	13,932.13	7,870.00	77.29	96.33	-98.12	-2,953.87	4,245.33	1,706.67	1,564.91	141.76	12.039		
13,100.00	7,630.00	14,032.13	7,870.00	78.74	97.09	-98.12	-3,053.87	4,244.99	1,706.67	1,561.97	144.70	11.795		
13,200.00	7,630.00	14,132.13	7,870.00	80.19	97.91	-98.12	-3,153.87	4,244.65	1,706.67	1,559.01	147.66	11.558		
13,300.00	7,630.00	14,232.13	7,870.00	81.66	98.76	-98.12	-3,253.87	4,244.32	1,706.67	1,556.02	150.65	11.329		
13,400.00	7,630.00	14,332.13	7,870.00	83.14	99.66	-98.12	-3,353.87	4,243.98	1,706.67	1,553.02	153.65	11.107		
13,500.00	7,630.00	14,432.13	7,870.00	84.63	100.60	-98.12	-3,453.87	4,243.64	1,706.67	1,549.99	156.68	10.893		
13,600.00	7,630.00	14,532.13	7,870.00	86.14	101.58	-98.12	-3,553.87	4,243.31	1,706.67	1,546.94	159.73	10.685		
13,700.00	7,630.00	14,632.13	7,870.00	87.65	102.60	-98.12	-3,653.87	4,242.97	1,706.67	1,543.87	162.79	10.484		
13,800.00	7,630.00	14,732.13	7,870.00	89.17	103.65	-98.12	-3,753.87	4,242.63	1,706.67	1,540.79	165.88	10.289		
13,900.00	7,630.00	14,832.13	7,870.00	90.70	104.74	-98.12	-3,853.87	4,242.29	1,706.67	1,537.69	168.98	10.100		
14,000.00	7,630.00	14,932.13	7,870.00	92.24	105.86	-98.12	-3,953.87	4,241.96	1,706.67	1,534.57	172.09	9.917		
14,100.00	7,630.00	15,032.13	7,870.00	93.78	107.01	-98.12	-4,053.87	4,241.62	1,706.66	1,531.44	175.22	9.740		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	15,132.13	7,870.00	95.33	108.18	-98.12	-4,153.87	4,241.28	1,706.66	1,528.30	178.37	9.568		
14,300.00	7,630.00	15,232.13	7,870.00	96.89	109.39	-98.12	-4,253.87	4,240.95	1,706.66	1,525.14	181.52	9.402		
14,400.00	7,630.00	15,332.13	7,870.00	98.46	110.62	-98.12	-4,353.87	4,240.61	1,706.66	1,521.97	184.69	9.241		
14,500.00	7,630.00	15,432.13	7,870.00	100.03	111.88	-98.12	-4,453.87	4,240.27	1,706.66	1,518.79	187.87	9.084		
14,600.00	7,630.00	15,532.13	7,870.00	101.61	113.15	-98.12	-4,553.87	4,239.93	1,706.66	1,515.60	191.07	8.932		
14,700.00	7,630.00	15,632.13	7,870.00	103.20	114.45	-98.12	-4,653.86	4,239.60	1,706.66	1,512.39	194.27	8.785		
14,800.00	7,630.00	15,732.13	7,870.00	104.78	115.77	-98.12	-4,753.86	4,239.26	1,706.66	1,509.18	197.48	8.642		
14,900.00	7,630.00	15,832.13	7,870.00	106.38	117.11	-98.12	-4,853.86	4,238.92	1,706.66	1,505.95	200.71	8.503		
15,000.00	7,630.00	15,932.13	7,870.00	107.98	118.46	-98.12	-4,953.86	4,238.59	1,706.66	1,502.72	203.94	8.368		
15,100.00	7,630.00	16,032.13	7,870.00	109.58	119.83	-98.12	-5,053.86	4,238.25	1,706.66	1,499.48	207.18	8.237		
15,200.00	7,630.00	16,132.13	7,870.00	111.19	121.22	-98.12	-5,153.86	4,237.91	1,706.66	1,496.22	210.43	8.110		
15,300.00	7,630.00	16,232.13	7,870.00	112.81	122.62	-98.12	-5,253.86	4,237.57	1,706.66	1,492.97	213.69	7.987		
15,400.00	7,630.00	16,332.13	7,870.00	114.42	124.03	-98.12	-5,353.86	4,237.24	1,706.66	1,489.70	216.96	7.866		
15,500.00	7,630.00	16,432.13	7,870.00	116.05	125.46	-98.12	-5,453.86	4,236.90	1,706.66	1,486.42	220.23	7.749		
15,600.00	7,630.00	16,532.13	7,870.00	117.67	126.90	-98.12	-5,553.86	4,236.56	1,706.65	1,483.14	223.51	7.636		
15,700.00	7,630.00	16,632.13	7,870.00	119.30	128.35	-98.12	-5,653.86	4,236.23	1,706.65	1,479.86	226.80	7.525		
15,800.00	7,630.00	16,732.13	7,870.00	120.93	129.81	-98.12	-5,753.86	4,235.89	1,706.65	1,476.56	230.09	7.417		
15,900.00	7,630.00	16,832.13	7,870.00	122.57	131.28	-98.12	-5,853.86	4,235.55	1,706.65	1,473.26	233.39	7.312		
16,000.00	7,630.00	16,932.13	7,870.00	124.21	132.76	-98.12	-5,953.86	4,235.21	1,706.65	1,469.95	236.70	7.210		
16,100.00	7,630.00	17,032.13	7,870.00	125.85	134.25	-98.12	-6,053.86	4,234.88	1,706.65	1,466.64	240.01	7.111		
16,200.00	7,630.00	17,132.13	7,870.00	127.50	135.75	-98.12	-6,153.86	4,234.54	1,706.65	1,463.32	243.33	7.014		
16,300.00	7,630.00	17,232.13	7,870.00	129.15	137.26	-98.12	-6,253.86	4,234.20	1,706.65	1,460.00	246.65	6.919		
16,400.00	7,630.00	17,332.13	7,870.00	130.80	138.77	-98.12	-6,353.86	4,233.87	1,706.65	1,456.67	249.98	6.827		
16,500.00	7,630.00	17,432.13	7,870.00	132.46	140.29	-98.12	-6,453.85	4,233.53	1,706.65	1,453.34	253.31	6.737		
16,600.00	7,630.00	17,532.13	7,870.00	134.11	141.82	-98.12	-6,553.85	4,233.19	1,706.65	1,450.00	256.64	6.650		
16,700.00	7,630.00	17,632.13	7,870.00	135.77	143.36	-98.12	-6,653.85	4,232.85	1,706.65	1,446.66	259.99	6.564		
16,800.00	7,630.00	17,732.13	7,870.00	137.43	144.90	-98.12	-6,753.85	4,232.52	1,706.65	1,443.32	263.33	6.481		
16,900.00	7,630.00	17,832.13	7,870.00	139.10	146.45	-98.12	-6,853.85	4,232.18	1,706.65	1,439.97	266.68	6.400		
17,000.00	7,630.00	17,932.13	7,870.00	140.77	148.00	-98.12	-6,953.85	4,231.84	1,706.65	1,436.61	270.03	6.320		
17,100.00	7,630.00	18,032.13	7,870.00	142.44	149.56	-98.12	-7,053.85	4,231.51	1,706.64	1,433.25	273.39	6.243		
17,200.00	7,630.00	18,132.13	7,870.00	144.11	151.13	-98.12	-7,153.85	4,231.17	1,706.64	1,429.89	276.75	6.167		
17,300.00	7,630.00	18,232.13	7,870.00	145.78	152.70	-98.12	-7,253.85	4,230.83	1,706.64	1,426.53	280.12	6.093		
17,400.00	7,630.00	18,332.13	7,870.00	147.46	154.28	-98.12	-7,353.85	4,230.49	1,706.64	1,423.16	283.48	6.020		
17,500.00	7,630.00	18,432.13	7,870.00	149.13	155.86	-98.12	-7,453.85	4,230.16	1,706.64	1,419.79	286.86	5.949		
17,600.00	7,630.00	18,532.13	7,870.00	150.81	157.44	-98.12	-7,553.85	4,229.82	1,706.64	1,416.41	290.23	5.880		
17,700.00	7,630.00	18,632.13	7,870.00	152.49	159.03	-98.12	-7,653.85	4,229.48	1,706.64	1,413.03	293.61	5.813		
17,800.00	7,630.00	18,732.13	7,870.00	154.18	160.62	-98.12	-7,753.85	4,229.15	1,706.64	1,409.65	296.99	5.746		
17,900.00	7,630.00	18,832.13	7,870.00	155.86	162.22	-98.12	-7,853.85	4,228.81	1,706.64	1,406.27	300.37	5.682		
18,000.00	7,630.00	18,932.13	7,870.00	157.55	163.82	-98.12	-7,953.85	4,228.47	1,706.64	1,402.88	303.76	5.618		
18,100.00	7,630.00	19,032.13	7,870.00	159.24	165.43	-98.12	-8,053.85	4,228.13	1,706.64	1,399.49	307.15	5.556		
18,200.00	7,630.00	19,132.13	7,870.00	160.92	167.04	-98.12	-8,153.84	4,227.80	1,706.64	1,396.10	310.54	5.496		
18,300.00	7,630.00	19,232.13	7,870.00	162.62	168.65	-98.12	-8,253.84	4,227.46	1,706.64	1,392.70	313.93	5.436		
18,400.00	7,630.00	19,332.13	7,870.00	164.31	170.27	-98.12	-8,353.84	4,227.12	1,706.64	1,389.31	317.33	5.378		
18,458.39	7,630.00	19,390.53	7,870.00	165.30	171.21	-98.12	-8,412.24	4,226.93	1,706.64	1,387.32	319.31	5.345 SF		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	2.00	-2.00	0.00	0.00	90.35	-0.36	59.92	59.92					
100.00	100.00	102.00	98.00	0.13	0.14	90.35	-0.36	59.92	59.92	59.65	0.28	217.089		
200.00	200.00	202.00	198.00	0.49	0.50	90.35	-0.36	59.92	59.92	58.93	0.99	60.346		
300.00	300.00	302.00	298.00	0.85	0.86	90.35	-0.36	59.92	59.92	58.21	1.71	35.044		
400.00	400.00	402.00	398.00	1.21	1.22	90.35	-0.36	59.92	59.92	57.49	2.43	24.691		
500.00	500.00	498.00	498.00	1.57	1.56	90.35	-0.36	59.92	59.92	56.79	3.13	19.148 CC, ES		
600.00	600.00	596.14	596.12	1.93	1.91	89.71	0.31	61.39	61.42	57.58	3.84	16.013		
700.00	700.00	694.02	693.87	2.29	2.26	87.94	2.37	65.89	66.06	61.53	4.54	14.564		
800.00	800.00	791.45	790.94	2.64	2.61	85.47	5.81	73.38	73.95	68.72	5.23	14.131		
900.00	900.00	888.20	887.01	3.00	2.97	82.80	10.59	83.79	85.17	79.24	5.92	14.376		
1,000.00	1,000.00	984.07	981.77	3.36	3.35	80.26	16.65	97.00	99.75	93.14	6.61	15.096		
1,100.00	1,100.00	1,078.87	1,074.93	3.72	3.75	78.03	23.94	112.89	117.69	110.41	7.28	16.164		
1,200.00	1,199.98	1,172.75	1,166.58	4.07	4.17	25.20	32.43	131.38	137.39	129.45	7.94	17.305		
1,300.00	1,299.84	1,266.02	1,256.92	4.43	4.61	24.16	42.09	152.45	157.20	148.62	8.58	18.326		
1,400.00	1,399.45	1,358.69	1,345.89	4.79	5.09	23.59	52.91	176.01	177.04	167.82	9.22	19.197		
1,500.00	1,498.70	1,450.78	1,433.42	5.15	5.61	23.36	64.84	202.01	196.87	187.01	9.86	19.964		
1,600.00	1,597.47	1,542.28	1,519.44	5.53	6.17	23.36	77.84	230.36	216.66	206.16	10.50	20.634		
1,700.00	1,695.62	1,633.22	1,603.90	5.93	6.76	23.53	91.90	260.99	236.39	225.25	11.14	21.216		
1,800.00	1,793.06	1,723.60	1,686.74	6.35	7.40	23.83	106.97	293.83	256.05	244.26	11.79	21.718		
1,900.00	1,889.64	1,813.43	1,767.90	6.79	8.09	24.23	123.02	328.81	275.64	263.19	12.45	22.142		
2,000.00	1,985.27	1,902.73	1,847.35	7.27	8.82	24.70	140.02	365.86	295.15	282.03	13.12	22.493		
2,100.00	2,079.82	1,991.50	1,925.03	7.79	9.60	25.24	157.94	404.91	314.57	300.76	13.82	22.766		
2,200.00	2,173.17	2,079.77	2,000.91	8.36	10.44	25.82	176.74	445.88	333.92	319.38	14.54	22.965		
2,300.00	2,265.21	2,167.53	2,074.95	8.97	11.32	26.44	196.39	488.70	353.19	337.89	15.30	23.088		
2,400.00	2,355.84	2,254.81	2,147.11	9.64	12.25	27.09	216.86	533.31	372.38	356.28	16.10	23.135		
2,500.00	2,444.94	2,341.61	2,217.37	10.36	13.22	27.76	238.12	579.64	391.49	374.54	16.94	23.105		
2,591.69	2,525.19	2,420.80	2,280.09	11.07	14.16	28.40	258.28	623.58	408.94	391.17	17.77	23.013		
2,600.00	2,532.40	2,435.75	2,285.30	11.14	14.34	28.46	260.01	627.34	410.53	392.64	17.88	22.955		
2,700.00	2,619.15	2,525.32	2,361.74	11.96	15.44	29.40	285.49	682.87	429.95	410.90	19.05	22.573		
2,800.00	2,705.89	2,623.18	2,438.19	12.81	16.66	30.26	310.97	738.40	449.47	429.17	20.30	22.139		
2,900.00	2,792.64	2,721.05	2,514.64	13.67	17.89	31.04	336.45	793.94	469.08	447.48	21.60	21.721		
3,000.00	2,879.39	2,818.91	2,591.09	14.55	19.13	31.77	361.94	849.47	488.77	465.84	22.92	21.322		
3,100.00	2,966.14	2,916.77	2,667.54	15.44	20.38	32.43	387.42	905.00	508.52	484.24	24.28	20.944		
3,200.00	3,052.88	3,014.64	2,743.98	16.34	21.64	33.05	412.90	960.53	528.34	502.68	25.67	20.586		
3,300.00	3,139.63	3,112.50	2,820.43	17.25	22.90	33.62	438.38	1,016.06	548.22	521.14	27.07	20.249		
3,400.00	3,226.38	3,210.36	2,896.88	18.17	24.17	34.15	463.86	1,071.59	568.14	539.63	28.50	19.932		
3,500.00	3,313.12	3,308.23	2,973.33	19.09	25.44	34.65	489.34	1,127.12	588.10	558.15	29.95	19.634		
3,600.00	3,399.87	3,406.09	3,049.77	20.02	26.71	35.11	514.82	1,182.65	608.11	576.69	31.42	19.355		
3,700.00	3,486.62	3,503.95	3,126.22	20.96	27.99	35.55	540.31	1,238.18	628.15	595.25	32.90	19.092		
3,800.00	3,573.37	3,601.82	3,202.67	21.90	29.27	35.95	565.79	1,293.71	648.23	613.83	34.40	18.846		
3,900.00	3,660.11	3,700.32	3,279.12	22.84	30.56	36.34	591.27	1,349.24	668.33	632.42	35.91	18.612		
4,000.00	3,746.86	3,802.46	3,355.57	23.78	31.90	36.70	616.75	1,404.77	688.46	651.00	37.46	18.379		
4,100.00	3,833.61	3,904.59	3,432.01	24.73	33.24	37.04	642.23	1,460.30	708.62	669.60	39.02	18.160		
4,200.00	3,920.35	4,006.73	3,508.46	25.68	34.58	37.36	667.71	1,515.83	728.80	688.21	40.59	17.954		
4,300.00	4,007.10	4,108.87	3,584.91	26.63	35.92	37.66	693.19	1,571.36	749.00	706.82	42.17	17.760		
4,400.00	4,093.85	4,189.00	3,661.36	27.59	36.98	37.95	718.68	1,626.89	769.22	725.62	43.59	17.645		
4,500.00	4,180.60	4,286.86	3,737.81	28.55	38.27	38.22	744.16	1,682.42	789.45	744.30	45.16	17.483		
4,600.00	4,267.34	4,384.72	3,814.25	29.50	39.56	38.48	769.64	1,737.95	809.70	762.98	46.72	17.329		
4,700.00	4,354.09	4,482.59	3,890.70	30.46	40.85	38.73	795.12	1,793.49	829.97	781.67	48.30	17.184		
4,800.00	4,440.84	4,580.45	3,967.15	31.42	42.14	38.97	820.60	1,849.02	850.25	800.38	49.88	17.046		
4,900.00	4,527.58	4,678.31	4,043.60	32.39	43.44	39.19	846.08	1,904.55	870.55	819.09	51.46	16.916		
5,000.00	4,614.33	4,776.18	4,120.04	33.35	44.73	39.40	871.56	1,960.08	890.86	837.80	53.05	16.792		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
5,100.00	4,701.08	4,874.04	4,196.49	34.31	46.02	39.61	897.05	2,015.61	911.18	856.53	54.65	16.673		
5,200.00	4,787.82	4,971.90	4,272.94	35.28	47.32	39.80	922.53	2,071.14	931.51	875.26	56.25	16.561		
5,300.00	4,874.57	5,069.76	4,349.39	36.25	48.62	39.99	948.01	2,126.67	951.84	894.00	57.85	16.454		
5,400.00	4,961.32	5,167.63	4,425.84	37.21	49.91	40.17	973.49	2,182.20	972.19	912.74	59.45	16.352		
5,500.00	5,048.07	5,265.49	4,502.28	38.18	51.21	40.34	998.97	2,237.73	992.55	931.49	61.06	16.254		
5,600.00	5,134.81	5,363.35	4,578.73	39.15	52.50	40.51	1,024.45	2,293.26	1,012.92	950.24	62.68	16.161		
5,700.00	5,221.56	5,461.22	4,655.18	40.12	53.80	40.67	1,049.93	2,348.79	1,033.29	969.00	64.29	16.072		
5,800.00	5,308.31	5,559.08	4,731.63	41.09	55.10	40.82	1,075.42	2,404.32	1,053.67	987.76	65.91	15.987		
5,900.00	5,395.05	5,656.94	4,808.07	42.06	56.40	40.97	1,100.90	2,459.85	1,074.06	1,006.53	67.53	15.905		
6,000.00	5,481.80	5,754.81	4,884.52	43.03	57.70	41.11	1,126.38	2,515.38	1,094.45	1,025.30	69.15	15.827		
6,100.00	5,568.55	5,852.67	4,960.97	44.00	58.99	41.24	1,151.86	2,570.91	1,114.85	1,044.08	70.77	15.752		
6,200.00	5,655.30	5,950.53	5,037.42	44.97	60.29	41.38	1,177.34	2,626.44	1,135.26	1,062.86	72.40	15.680		
6,300.00	5,742.04	6,048.40	5,113.87	45.94	61.59	41.50	1,202.82	2,681.97	1,155.67	1,081.64	74.03	15.611		
6,400.00	5,828.79	6,146.26	5,190.31	46.92	62.89	41.62	1,228.30	2,737.51	1,176.09	1,100.43	75.66	15.544		
6,500.00	5,915.54	6,244.12	5,266.76	47.89	64.19	41.74	1,253.79	2,793.04	1,196.51	1,119.22	77.29	15.480		
6,600.00	6,002.28	6,341.99	5,343.21	48.86	65.49	41.86	1,279.27	2,848.57	1,216.94	1,138.01	78.93	15.418		
6,700.00	6,089.03	6,439.85	5,419.66	49.83	66.79	41.97	1,304.75	2,904.10	1,237.37	1,156.80	80.56	15.359		
6,800.00	6,175.78	6,537.71	5,496.11	50.81	68.09	42.07	1,330.23	2,959.63	1,257.80	1,175.60	82.20	15.302		
6,900.00	6,262.53	6,635.58	5,572.55	51.78	69.39	42.18	1,355.71	3,015.16	1,278.24	1,194.40	83.84	15.246		
7,000.00	6,349.27	6,733.44	5,649.00	52.76	70.69	42.28	1,381.19	3,070.69	1,298.69	1,213.21	85.48	15.193		
7,100.00	6,436.02	6,831.30	5,725.45	53.73	71.99	42.37	1,406.67	3,126.22	1,319.13	1,232.01	87.12	15.142		
7,200.00	6,522.77	6,929.17	5,801.90	54.71	73.29	42.47	1,432.16	3,181.75	1,339.58	1,250.82	88.76	15.092		
7,300.00	6,609.51	7,027.03	5,878.34	55.68	74.59	42.56	1,457.64	3,237.28	1,360.04	1,269.63	90.41	15.044		
7,400.00	6,696.26	7,124.89	5,954.79	56.66	75.90	42.65	1,483.12	3,292.81	1,380.49	1,288.44	92.05	14.997		
7,500.00	6,783.01	7,222.76	6,031.24	57.63	77.20	42.73	1,508.60	3,348.34	1,400.95	1,307.26	93.70	14.952		
7,600.00	6,869.76	7,320.62	6,107.69	58.61	78.50	42.82	1,534.08	3,403.87	1,421.42	1,326.07	95.34	14.908		
7,683.49	6,942.18	7,402.33	6,171.52	59.42	79.58	42.88	1,555.36	3,450.24	1,438.50	1,341.78	96.72	14.873		
7,700.00	6,956.57	7,418.49	6,184.14	59.58	79.80	40.79	1,559.57	3,459.41	1,441.85	1,344.87	96.98	14.868		
7,750.00	7,000.85	7,467.45	6,222.39	60.04	80.45	33.30	1,572.31	3,487.19	1,451.58	1,353.99	97.59	14.874		
7,800.00	7,045.94	7,516.12	6,260.41	60.46	81.10	24.12	1,584.99	3,514.81	1,460.67	1,362.72	97.95	14.913		
7,850.00	7,091.49	7,564.13	6,297.91	60.84	81.74	13.65	1,597.49	3,542.05	1,469.11	1,371.06	98.04	14.984		
7,900.00	7,137.15	7,611.12	6,334.61	61.17	82.36	2.67	1,609.72	3,568.71	1,476.92	1,379.04	97.87	15.090		
7,950.00	7,182.58	7,656.72	6,370.24	61.44	82.97	-7.89	1,621.59	3,594.58	1,484.17	1,386.72	97.45	15.230		
8,000.00	7,227.43	7,700.59	6,404.51	61.67	83.55	-17.36	1,633.02	3,619.48	1,490.96	1,394.19	96.77	15.407		
8,050.00	7,271.36	7,742.40	6,437.17	61.84	84.11	-25.44	1,643.90	3,643.20	1,497.41	1,401.54	95.86	15.620		
8,100.00	7,314.04	7,781.83	6,467.97	61.96	84.63	-32.15	1,654.17	3,665.57	1,503.65	1,408.92	94.73	15.873		
8,150.00	7,355.14	7,818.57	6,496.67	62.04	85.12	-37.64	1,663.74	3,686.43	1,509.85	1,416.44	93.41	16.164		
8,200.00	7,394.34	7,852.36	6,523.06	62.07	85.57	-42.11	1,672.53	3,705.59	1,516.16	1,424.23	91.92	16.494		
8,250.00	7,431.36	7,882.92	6,546.94	62.06	85.98	-45.71	1,680.49	3,722.94	1,522.73	1,432.42	90.31	16.862		
8,300.00	7,465.90	7,910.03	6,568.12	62.01	86.34	-48.56	1,687.55	3,738.32	1,529.72	1,441.11	88.60	17.265		
8,350.00	7,497.71	7,933.49	6,586.44	61.93	86.65	-50.77	1,693.66	3,751.63	1,537.24	1,450.39	86.86	17.699		
8,400.00	7,526.53	7,953.11	6,601.77	61.81	86.91	-52.39	1,698.77	3,762.77	1,545.42	1,460.30	85.11	18.157		
8,450.00	7,552.17	7,968.74	6,613.98	61.66	87.12	-53.47	1,702.84	3,771.64	1,554.32	1,470.89	83.43	18.631		
8,500.00	7,574.41	7,980.27	6,622.99	61.48	87.27	-54.04	1,705.84	3,778.18	1,563.98	1,482.14	81.84	19.110		
8,550.00	7,593.09	7,987.61	6,628.72	61.29	87.37	-54.15	1,707.75	3,782.34	1,574.41	1,494.01	80.40	19.582		
8,600.00	7,608.07	8,009.30	6,631.14	61.07	87.66	-53.81	1,708.56	3,784.10	1,585.57	1,506.32	79.25	20.006		
8,650.00	7,619.23	7,989.52	6,630.21	60.84	87.39	-53.05	1,708.25	3,783.43	1,597.40	1,519.30	78.09	20.455		
8,700.00	7,626.48	7,984.08	6,625.96	60.60	87.32	-51.91	1,706.83	3,780.34	1,609.76	1,532.49	77.27	20.833		
8,750.00	7,629.78	7,974.41	6,618.41	60.35	87.19	-50.42	1,704.31	3,774.85	1,622.53	1,545.85	76.67	21.161		
8,766.45	7,630.00	7,970.32	6,615.21	60.27	87.14	-49.86	1,703.25	3,772.53	1,626.78	1,550.26	76.53	21.258		
8,800.00	7,630.00	7,961.52	6,608.34	60.10	87.02	-49.55	1,700.96	3,767.54	1,635.79	1,559.48	76.31	21.437		
8,900.00	7,630.00	7,935.29	6,587.85	59.61	86.67	-48.63	1,694.13	3,752.65	1,666.06	1,589.82	76.24	21.853		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
9,000.00	7,630.00	7,909.06	6,567.36	59.15	86.32	-47.72	1,687.30	3,737.77	1,701.27	1,624.30	76.97	22.104		
9,100.00	7,630.00	7,882.83	6,546.87	58.71	85.98	-46.81	1,680.47	3,722.89	1,741.12	1,662.78	78.34	22.224		
9,200.00	7,630.00	7,856.61	6,526.38	58.30	85.63	-45.90	1,673.64	3,708.01	1,785.31	1,705.09	80.22	22.256		
9,300.00	7,630.00	7,830.38	6,505.89	57.91	85.28	-44.99	1,666.81	3,693.12	1,833.52	1,751.08	82.44	22.241		
9,400.00	7,630.00	7,804.15	6,485.41	57.54	84.93	-44.09	1,659.98	3,678.24	1,885.43	1,800.55	84.88	22.214		
9,500.00	7,630.00	7,777.92	6,464.92	57.19	84.58	-43.20	1,653.15	3,663.36	1,940.76	1,853.33	87.43	22.198		
9,600.00	7,630.00	7,751.69	6,444.43	56.87	84.23	-42.31	1,646.32	3,648.47	1,999.22	1,909.21	90.01	22.212		
9,700.00	7,630.00	10,680.33	7,730.00	56.57	98.22	-92.91	345.00	4,576.44	2,012.17	1,929.68	82.49	24.393		
9,800.00	7,630.00	10,780.33	7,730.00	56.30	98.02	-92.91	245.00	4,576.10	2,012.17	1,929.44	82.73	24.322		
9,900.00	7,630.00	10,880.33	7,730.00	56.05	97.84	-92.91	145.00	4,575.76	2,012.16	1,929.05	83.12	24.209		
10,000.00	7,630.00	10,980.33	7,730.00	55.82	97.68	-92.91	45.00	4,575.42	2,012.16	1,928.51	83.65	24.054		
10,100.00	7,630.00	11,080.33	7,730.00	55.63	97.52	-92.91	-55.00	4,575.09	2,012.16	1,927.83	84.33	23.859		
10,200.00	7,630.00	11,180.33	7,730.00	55.46	97.39	-92.91	-155.00	4,574.75	2,012.16	1,927.00	85.16	23.629		
10,300.00	7,630.00	11,280.33	7,730.00	55.32	97.27	-92.91	-255.00	4,574.41	2,012.16	1,926.04	86.12	23.366		
10,400.00	7,630.00	11,380.33	7,730.00	55.22	97.16	-92.91	-355.00	4,574.07	2,012.15	1,924.95	87.21	23.073		
10,500.00	7,630.00	11,480.33	7,730.00	55.15	97.07	-92.91	-454.99	4,573.73	2,012.15	1,923.72	88.43	22.755		
10,600.00	7,630.00	11,580.33	7,730.00	55.14	97.00	-92.91	-554.99	4,573.39	2,012.15	1,922.38	89.77	22.415		
10,700.00	7,630.00	11,680.33	7,730.00	55.18	96.94	-92.91	-654.99	4,573.06	2,012.15	1,920.92	91.23	22.056		
10,800.00	7,630.00	11,780.33	7,730.00	55.28	96.90	-92.91	-754.99	4,572.72	2,012.15	1,919.35	92.80	21.683		
10,900.00	7,630.00	11,880.33	7,730.00	55.47	96.88	-92.91	-854.99	4,572.38	2,012.14	1,917.67	94.47	21.299		
11,000.00	7,630.00	11,980.33	7,730.00	55.74	96.87	-92.91	-954.99	4,572.04	2,012.14	1,915.89	96.25	20.905		
11,100.00	7,630.00	12,080.33	7,730.00	56.11	96.89	-92.91	-1,054.99	4,571.70	2,012.14	1,914.02	98.12	20.507		
11,200.00	7,630.00	12,180.33	7,730.00	56.60	96.93	-92.91	-1,154.99	4,571.36	2,012.14	1,912.06	100.08	20.105		
11,300.00	7,630.00	12,280.33	7,730.00	57.20	96.98	-92.91	-1,254.99	4,571.02	2,012.14	1,910.01	102.12	19.703		
11,400.00	7,630.00	12,380.33	7,730.00	57.91	97.06	-92.91	-1,354.99	4,570.69	2,012.13	1,907.89	104.25	19.302		
11,500.00	7,630.00	12,480.33	7,730.00	58.72	97.16	-92.91	-1,454.99	4,570.35	2,012.13	1,905.69	106.45	18.903		
11,600.00	7,630.00	12,580.33	7,730.00	59.63	97.28	-92.91	-1,554.99	4,570.01	2,012.13	1,903.42	108.71	18.509		
11,700.00	7,630.00	12,680.33	7,730.00	60.61	97.43	-92.91	-1,654.99	4,569.67	2,012.13	1,901.08	111.05	18.120		
11,800.00	7,630.00	12,780.33	7,730.00	61.67	97.61	-92.91	-1,754.99	4,569.33	2,012.13	1,898.68	113.44	17.737		
11,900.00	7,630.00	12,880.33	7,730.00	62.78	97.81	-92.91	-1,854.99	4,568.99	2,012.12	1,896.23	115.89	17.362		
12,000.00	7,630.00	12,980.33	7,730.00	63.95	98.04	-92.91	-1,954.99	4,568.65	2,012.12	1,893.72	118.40	16.994		
12,100.00	7,630.00	13,080.33	7,730.00	65.16	98.30	-92.91	-2,054.99	4,568.32	2,012.12	1,891.16	120.96	16.635		
12,200.00	7,630.00	13,180.33	7,730.00	66.41	98.59	-92.91	-2,154.98	4,567.98	2,012.12	1,888.55	123.57	16.284		
12,300.00	7,630.00	13,280.33	7,730.00	67.68	98.91	-92.91	-2,254.98	4,567.64	2,012.12	1,885.90	126.22	15.942		
12,400.00	7,630.00	13,380.33	7,730.00	68.99	99.27	-92.91	-2,354.98	4,567.30	2,012.11	1,883.20	128.91	15.609		
12,500.00	7,630.00	13,480.33	7,730.00	70.33	99.66	-92.91	-2,454.98	4,566.96	2,012.11	1,880.47	131.64	15.285		
12,600.00	7,630.00	13,580.33	7,730.00	71.68	100.08	-92.91	-2,554.98	4,566.62	2,012.11	1,877.70	134.41	14.970		
12,700.00	7,630.00	13,680.33	7,730.00	73.06	100.55	-92.91	-2,654.98	4,566.29	2,012.11	1,874.89	137.22	14.664		
12,800.00	7,630.00	13,780.33	7,730.00	74.45	101.05	-92.91	-2,754.98	4,565.95	2,012.11	1,872.05	140.05	14.367		
12,900.00	7,630.00	13,880.33	7,730.00	75.87	101.60	-92.91	-2,854.98	4,565.61	2,012.10	1,869.18	142.92	14.078		
13,000.00	7,630.00	13,980.33	7,730.00	77.29	102.18	-92.91	-2,954.98	4,565.27	2,012.10	1,866.28	145.82	13.799		
13,100.00	7,630.00	14,080.33	7,730.00	78.74	102.80	-92.91	-3,054.98	4,564.93	2,012.10	1,863.36	148.74	13.527		
13,200.00	7,630.00	14,180.33	7,730.00	80.19	103.47	-92.91	-3,154.98	4,564.59	2,012.10	1,860.41	151.69	13.264		
13,300.00	7,630.00	14,280.33	7,730.00	81.66	104.17	-92.91	-3,254.98	4,564.25	2,012.09	1,857.43	154.67	13.009		
13,400.00	7,630.00	14,380.33	7,730.00	83.14	104.92	-92.91	-3,354.98	4,563.92	2,012.09	1,854.43	157.66	12.762		
13,500.00	7,630.00	14,480.33	7,730.00	84.63	105.70	-92.91	-3,454.98	4,563.58	2,012.09	1,851.41	160.68	12.522		
13,600.00	7,630.00	14,580.33	7,730.00	86.14	106.53	-92.91	-3,554.98	4,563.24	2,012.09	1,848.37	163.72	12.290		
13,700.00	7,630.00	14,680.33	7,730.00	87.65	107.40	-92.91	-3,654.98	4,562.90	2,012.09	1,845.31	166.78	12.064		
13,800.00	7,630.00	14,780.33	7,730.00	89.17	108.30	-92.91	-3,754.98	4,562.56	2,012.08	1,842.23	169.86	11.846		
13,900.00	7,630.00	14,880.33	7,730.00	90.70	109.24	-92.91	-3,854.98	4,562.22	2,012.08	1,839.13	172.95	11.634		
14,000.00	7,630.00	14,980.33	7,730.00	92.24	110.22	-92.91	-3,954.97	4,561.88	2,012.08	1,836.02	176.06	11.428		
14,100.00	7,630.00	15,080.33	7,730.00	93.78	111.23	-92.91	-4,054.97	4,561.55	2,012.08	1,832.89	179.19	11.229		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	15,180.33	7,730.00	95.33	112.28	-92.91	-4,154.97	4,561.21	2,012.08	1,829.75	182.33	11.036		
14,300.00	7,630.00	15,280.33	7,730.00	96.89	113.35	-92.91	-4,254.97	4,560.87	2,012.07	1,826.59	185.48	10.848		
14,400.00	7,630.00	15,380.33	7,730.00	98.46	114.46	-92.91	-4,354.97	4,560.53	2,012.07	1,823.42	188.65	10.666		
14,500.00	7,630.00	15,480.33	7,730.00	100.03	115.60	-92.91	-4,454.97	4,560.19	2,012.07	1,820.24	191.83	10.489		
14,600.00	7,630.00	15,580.33	7,730.00	101.61	116.76	-92.91	-4,554.97	4,559.85	2,012.07	1,817.04	195.02	10.317		
14,700.00	7,630.00	15,680.33	7,730.00	103.20	117.95	-92.91	-4,654.97	4,559.52	2,012.07	1,813.84	198.23	10.150		
14,800.00	7,630.00	15,780.33	7,730.00	104.78	119.16	-92.91	-4,754.97	4,559.18	2,012.06	1,810.62	201.44	9.988		
14,900.00	7,630.00	15,880.33	7,730.00	106.38	120.40	-92.91	-4,854.97	4,558.84	2,012.06	1,807.39	204.67	9.831		
15,000.00	7,630.00	15,980.33	7,730.00	107.98	121.66	-92.91	-4,954.97	4,558.50	2,012.06	1,804.16	207.90	9.678		
15,100.00	7,630.00	16,080.33	7,730.00	109.58	122.94	-92.91	-5,054.97	4,558.16	2,012.06	1,800.91	211.15	9.529		
15,200.00	7,630.00	16,180.33	7,730.00	111.19	124.24	-92.91	-5,154.97	4,557.82	2,012.06	1,797.65	214.40	9.384		
15,300.00	7,630.00	16,280.33	7,730.00	112.81	125.56	-92.91	-5,254.97	4,557.48	2,012.05	1,794.39	217.66	9.244		
15,400.00	7,630.00	16,380.33	7,730.00	114.42	126.90	-92.91	-5,354.97	4,557.15	2,012.05	1,791.12	220.94	9.107		
15,500.00	7,630.00	16,480.33	7,730.00	116.05	128.25	-92.91	-5,454.97	4,556.81	2,012.05	1,787.84	224.21	8.974		
15,600.00	7,630.00	16,580.33	7,730.00	117.67	129.62	-92.91	-5,554.97	4,556.47	2,012.05	1,784.55	227.50	8.844		
15,700.00	7,630.00	16,680.33	7,730.00	119.30	131.00	-92.91	-5,654.97	4,556.13	2,012.05	1,781.25	230.79	8.718		
15,800.00	7,630.00	16,780.33	7,730.00	120.93	132.40	-92.91	-5,754.96	4,555.79	2,012.04	1,777.95	234.09	8.595		
15,900.00	7,630.00	16,880.33	7,730.00	122.57	133.81	-92.91	-5,854.96	4,555.45	2,012.04	1,774.64	237.40	8.475		
16,000.00	7,630.00	16,980.33	7,730.00	124.21	135.23	-92.91	-5,954.96	4,555.12	2,012.04	1,771.33	240.71	8.359		
16,100.00	7,630.00	17,080.33	7,730.00	125.85	136.66	-92.91	-6,054.96	4,554.78	2,012.04	1,768.00	244.03	8.245		
16,200.00	7,630.00	17,180.33	7,730.00	127.50	138.11	-92.91	-6,154.96	4,554.44	2,012.04	1,764.68	247.36	8.134		
16,300.00	7,630.00	17,280.33	7,730.00	129.15	139.57	-92.91	-6,254.96	4,554.10	2,012.03	1,761.34	250.69	8.026		
16,400.00	7,630.00	17,380.33	7,730.00	130.80	141.03	-92.91	-6,354.96	4,553.76	2,012.03	1,758.01	254.03	7.921		
16,500.00	7,630.00	17,480.33	7,730.00	132.46	142.51	-92.91	-6,454.96	4,553.42	2,012.03	1,754.66	257.37	7.818		
16,600.00	7,630.00	17,580.33	7,730.00	134.11	143.99	-92.91	-6,554.96	4,553.08	2,012.03	1,751.31	260.71	7.717		
16,700.00	7,630.00	17,680.33	7,730.00	135.77	145.48	-92.91	-6,654.96	4,552.75	2,012.03	1,747.96	264.06	7.619		
16,800.00	7,630.00	17,780.33	7,730.00	137.43	146.99	-92.91	-6,754.96	4,552.41	2,012.02	1,744.60	267.42	7.524		
16,900.00	7,630.00	17,880.33	7,730.00	139.10	148.49	-92.91	-6,854.96	4,552.07	2,012.02	1,741.24	270.78	7.430		
17,000.00	7,630.00	17,980.33	7,730.00	140.77	150.01	-92.91	-6,954.96	4,551.73	2,012.02	1,737.87	274.15	7.339		
17,100.00	7,630.00	18,080.33	7,730.00	142.44	151.53	-92.91	-7,054.96	4,551.39	2,012.02	1,734.50	277.51	7.250		
17,200.00	7,630.00	18,180.33	7,730.00	144.11	153.06	-92.91	-7,154.96	4,551.05	2,012.02	1,731.13	280.89	7.163		
17,300.00	7,630.00	18,280.33	7,730.00	145.78	154.60	-92.91	-7,254.96	4,550.71	2,012.01	1,727.75	284.26	7.078		
17,400.00	7,630.00	18,380.33	7,730.00	147.46	156.14	-92.91	-7,354.96	4,550.38	2,012.01	1,724.37	287.64	6.995		
17,500.00	7,630.00	18,480.33	7,730.00	149.13	157.69	-92.91	-7,454.95	4,550.04	2,012.01	1,720.98	291.03	6.913		
17,600.00	7,630.00	18,580.33	7,730.00	150.81	159.25	-92.91	-7,554.95	4,549.70	2,012.01	1,717.59	294.41	6.834		
17,700.00	7,630.00	18,680.33	7,730.00	152.49	160.81	-92.91	-7,654.95	4,549.36	2,012.01	1,714.20	297.80	6.756		
17,800.00	7,630.00	18,780.33	7,730.00	154.18	162.37	-92.91	-7,754.95	4,549.02	2,012.00	1,710.80	301.20	6.680		
17,900.00	7,630.00	18,880.33	7,730.00	155.86	163.94	-92.91	-7,854.95	4,548.68	2,012.00	1,707.41	304.60	6.605		
18,000.00	7,630.00	18,980.33	7,730.00	157.55	165.52	-92.91	-7,954.95	4,548.35	2,012.00	1,704.00	308.00	6.533		
18,100.00	7,630.00	19,080.33	7,730.00	159.24	167.10	-92.91	-8,054.95	4,548.01	2,012.00	1,700.60	311.40	6.461		
18,200.00	7,630.00	19,180.33	7,730.00	160.92	168.68	-92.91	-8,154.95	4,547.67	2,011.99	1,697.19	314.80	6.391		
18,300.00	7,630.00	19,280.33	7,730.00	162.62	170.27	-92.91	-8,254.95	4,547.33	2,011.99	1,693.78	318.21	6.323		
18,400.00	7,630.00	19,380.33	7,730.00	164.31	171.86	-92.91	-8,354.95	4,546.99	2,011.99	1,690.37	321.62	6.256		
18,449.99	7,630.00	19,430.31	7,730.00	165.16	172.66	-92.91	-8,404.93	4,546.82	2,011.99	1,688.66	323.33	6.223		
18,458.39	7,630.00	19,430.54	7,730.00	165.30	172.66	-92.91	-8,405.16	4,546.82	2,012.01	1,688.21	323.79	6.214 SF		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	2.00	-2.00	0.00	0.00	90.30	-0.36	70.00	70.00					
100.00	100.00	102.00	98.00	0.13	0.14	90.30	-0.36	70.00	70.00	69.73	0.28	253.607		
200.00	200.00	202.00	198.00	0.49	0.50	90.30	-0.36	70.00	70.00	69.01	0.99	70.497		
300.00	300.00	302.00	298.00	0.85	0.86	90.30	-0.36	70.00	70.00	68.29	1.71	40.939		
400.00	400.00	398.00	398.00	1.21	1.20	90.30	-0.36	70.00	70.00	67.59	2.41	29.016	CC, ES	
500.00	500.00	495.82	495.80	1.57	1.55	89.78	0.27	71.47	71.51	68.39	3.12	22.934		
600.00	600.00	593.37	593.22	1.93	1.90	88.33	2.21	75.99	76.18	72.36	3.82	19.943		
700.00	700.00	690.47	689.98	2.29	2.25	86.27	5.45	83.52	84.08	79.56	4.52	18.606		
800.00	800.00	786.91	785.74	2.64	2.62	83.96	9.94	93.97	95.28	90.07	5.21	18.276		
900.00	900.00	882.48	880.20	3.00	3.00	81.70	15.65	107.23	109.82	103.92	5.90	18.611		
1,000.00	1,000.00	976.97	973.08	3.36	3.40	79.64	22.52	123.19	127.69	121.11	6.58	19.406		
1,100.00	1,100.00	1,070.21	1,064.11	3.72	3.82	77.86	30.47	141.69	148.84	141.59	7.25	20.532		
1,200.00	1,199.98	1,162.42	1,153.45	4.07	4.27	25.33	39.49	162.65	171.67	163.78	7.90	21.738		
1,300.00	1,299.84	1,253.96	1,241.37	4.43	4.75	24.44	49.56	186.06	194.57	186.03	8.54	22.787		
1,400.00	1,399.45	1,344.84	1,327.81	4.79	5.27	23.95	60.65	211.84	217.44	208.27	9.18	23.697		
1,500.00	1,498.70	1,435.08	1,412.70	5.15	5.83	23.74	72.73	239.91	240.26	230.45	9.81	24.488		
1,600.00	1,597.47	1,524.67	1,496.00	5.53	6.42	23.73	85.76	270.21	262.99	252.55	10.45	25.173		
1,700.00	1,695.62	1,613.65	1,577.67	5.93	7.06	23.87	99.71	302.64	285.62	274.53	11.09	25.763		
1,800.00	1,793.06	1,702.01	1,657.65	6.35	7.74	24.13	114.55	337.15	308.13	296.40	11.73	26.263		
1,900.00	1,889.64	1,789.78	1,735.90	6.79	8.47	24.47	130.25	373.65	330.51	318.12	12.39	26.675		
2,000.00	1,985.27	1,876.97	1,812.40	7.27	9.24	24.89	146.78	412.07	352.77	339.70	13.06	27.004		
2,100.00	2,079.82	1,963.59	1,887.10	7.79	10.06	25.36	164.10	452.34	374.89	361.13	13.76	27.251		
2,200.00	2,173.17	2,049.65	1,959.98	8.36	10.93	25.87	182.19	494.39	396.88	382.40	14.48	27.414		
2,300.00	2,265.21	2,135.18	2,031.01	8.97	11.84	26.41	201.02	538.15	418.73	403.50	15.23	27.495		
2,400.00	2,355.84	2,220.18	2,100.17	9.64	12.79	26.99	220.55	583.55	440.45	424.43	16.02	27.492		
2,500.00	2,444.94	2,304.68	2,167.42	10.36	13.79	27.59	240.75	630.53	462.03	445.17	16.86	27.404		
2,591.69	2,525.19	2,381.72	2,227.41	11.07	14.76	28.15	259.86	674.93	481.70	464.02	17.68	27.247		
2,600.00	2,532.40	2,388.68	2,232.76	11.14	14.85	28.22	261.61	679.02	483.49	465.73	17.75	27.233		
2,700.00	2,619.15	2,480.49	2,302.78	11.96	16.04	29.05	285.08	733.58	506.03	487.17	18.86	26.833		
2,800.00	2,705.89	2,577.59	2,376.69	12.81	17.32	29.84	309.96	791.42	528.88	508.77	20.11	26.300		
2,900.00	2,792.64	2,674.69	2,450.61	13.67	18.62	30.58	334.84	849.26	551.82	530.42	21.40	25.789		
3,000.00	2,879.39	2,771.79	2,524.53	14.55	19.92	31.25	359.72	907.10	574.84	552.12	22.72	25.304		
3,100.00	2,966.14	2,868.89	2,598.45	15.44	21.23	31.87	384.60	964.94	597.92	573.86	24.07	24.844		
3,200.00	3,052.88	2,965.99	2,672.37	16.34	22.55	32.45	409.49	1,022.78	621.07	595.63	25.44	24.411		
3,300.00	3,139.63	3,063.09	2,746.29	17.25	23.87	32.99	434.37	1,080.62	644.28	617.44	26.84	24.004		
3,400.00	3,226.38	3,160.19	2,820.20	18.17	25.20	33.48	459.25	1,138.46	667.54	639.28	28.26	23.622		
3,500.00	3,313.12	3,257.29	2,894.12	19.09	26.53	33.95	484.13	1,196.30	690.84	661.14	29.70	23.263		
3,600.00	3,399.87	3,354.39	2,968.04	20.02	27.86	34.38	509.01	1,254.13	714.18	683.03	31.15	22.927		
3,700.00	3,486.62	3,451.49	3,041.96	20.96	29.20	34.79	533.89	1,311.97	737.56	704.94	32.62	22.612		
3,800.00	3,573.37	3,548.59	3,115.88	21.90	30.54	35.17	558.77	1,369.81	760.97	726.87	34.10	22.316		
3,900.00	3,660.11	3,645.69	3,189.80	22.84	31.88	35.53	583.65	1,427.65	784.41	748.81	35.59	22.038		
4,000.00	3,746.86	3,742.79	3,263.71	23.78	33.22	35.87	608.53	1,485.49	807.87	770.78	37.10	21.777		
4,100.00	3,833.61	3,839.89	3,337.63	24.73	34.57	36.19	633.41	1,543.33	831.37	792.75	38.61	21.531		
4,200.00	3,920.35	3,936.99	3,411.55	25.68	35.91	36.49	658.29	1,601.17	854.88	814.75	40.14	21.300		
4,300.00	4,007.10	4,034.09	3,485.47	26.63	37.26	36.77	683.17	1,659.01	878.42	836.75	41.67	21.082		
4,400.00	4,093.85	4,131.19	3,559.39	27.59	38.61	37.04	708.05	1,716.85	901.98	858.77	43.21	20.876		
4,500.00	4,180.60	4,228.29	3,633.31	28.55	39.96	37.30	732.93	1,774.69	925.55	880.80	44.75	20.682		
4,600.00	4,267.34	4,325.39	3,707.22	29.50	41.31	37.54	757.81	1,832.53	949.14	902.84	46.30	20.498		
4,700.00	4,354.09	4,422.49	3,781.14	30.46	42.66	37.78	782.69	1,890.37	972.75	924.89	47.86	20.324		
4,800.00	4,440.84	4,519.59	3,855.06	31.42	44.01	38.00	807.57	1,948.21	996.37	946.95	49.43	20.159		
4,900.00	4,527.58	4,616.69	3,928.98	32.39	45.37	38.21	832.45	2,006.05	1,020.01	969.01	50.99	20.002		
5,000.00	4,614.33	4,713.78	4,002.90	33.35	46.72	38.41	857.33	2,063.89	1,043.65	991.09	52.57	19.853		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,701.08	4,810.88	4,076.82	34.31	48.07	38.60	882.21	2,121.73	1,067.31	1,013.17	54.15	19.712		
5,200.00	4,787.82	4,907.98	4,150.73	35.28	49.43	38.79	907.09	2,179.57	1,090.98	1,035.26	55.73	19.577		
5,300.00	4,874.57	5,005.08	4,224.65	36.25	50.78	38.96	931.97	2,237.41	1,114.66	1,057.35	57.31	19.449		
5,400.00	4,961.32	5,102.18	4,298.57	37.21	52.14	39.13	956.85	2,295.25	1,138.35	1,079.45	58.90	19.327		
5,500.00	5,048.07	5,200.72	4,372.49	38.18	53.52	39.30	981.73	2,353.08	1,162.05	1,101.55	60.50	19.206		
5,600.00	5,134.81	5,303.62	4,446.41	39.15	54.95	39.45	1,006.62	2,410.92	1,185.76	1,123.61	62.14	19.081		
5,700.00	5,221.56	5,406.52	4,520.32	40.12	56.39	39.60	1,031.50	2,468.76	1,209.47	1,145.68	63.79	18.960		
5,800.00	5,308.31	5,509.42	4,594.24	41.09	57.83	39.74	1,056.38	2,526.60	1,233.20	1,167.76	65.44	18.846		
5,900.00	5,395.05	5,587.68	4,668.16	42.06	58.92	39.88	1,081.26	2,584.44	1,256.93	1,190.04	66.89	18.792		
6,000.00	5,481.80	5,684.78	4,742.08	43.03	60.28	40.02	1,106.14	2,642.28	1,280.66	1,212.17	68.49	18.698		
6,100.00	5,568.55	5,781.88	4,816.00	44.00	61.64	40.15	1,131.02	2,700.12	1,304.41	1,234.31	70.10	18.608		
6,200.00	5,655.30	5,878.98	4,889.92	44.97	63.00	40.27	1,155.90	2,757.96	1,328.15	1,256.44	71.71	18.521		
6,300.00	5,742.04	5,976.08	4,963.83	45.94	64.36	40.39	1,180.78	2,815.80	1,351.91	1,278.59	73.32	18.438		
6,400.00	5,828.79	6,073.18	5,037.75	46.92	65.71	40.50	1,205.66	2,873.64	1,375.67	1,300.73	74.93	18.358		
6,500.00	5,915.54	6,170.28	5,111.67	47.89	67.07	40.62	1,230.54	2,931.48	1,399.43	1,322.88	76.55	18.282		
6,600.00	6,002.28	6,267.38	5,185.59	48.86	68.43	40.72	1,255.42	2,989.32	1,423.20	1,345.04	78.17	18.208		
6,700.00	6,089.03	6,364.48	5,259.51	49.83	69.79	40.83	1,280.30	3,047.16	1,446.98	1,367.19	79.78	18.136		
6,800.00	6,175.78	6,461.58	5,333.43	50.81	71.15	40.93	1,305.18	3,105.00	1,470.76	1,389.35	81.40	18.068		
6,900.00	6,262.53	6,558.68	5,407.34	51.78	72.51	41.03	1,330.06	3,162.84	1,494.54	1,411.51	83.02	18.001		
7,000.00	6,349.27	6,655.78	5,481.26	52.76	73.87	41.12	1,354.94	3,220.68	1,518.32	1,433.68	84.65	17.937		
7,100.00	6,436.02	6,752.88	5,555.18	53.73	75.23	41.21	1,379.82	3,278.52	1,542.11	1,455.84	86.27	17.875		
7,200.00	6,522.77	6,849.98	5,629.10	54.71	76.59	41.30	1,404.70	3,336.36	1,565.91	1,478.01	87.90	17.816		
7,300.00	6,609.51	6,947.08	5,703.02	55.68	77.95	41.39	1,429.58	3,394.20	1,589.71	1,500.19	89.52	17.758		
7,400.00	6,696.26	7,044.18	5,776.94	56.66	79.31	41.47	1,454.46	3,452.03	1,613.51	1,522.36	91.15	17.702		
7,500.00	6,783.01	7,141.28	5,850.85	57.63	80.67	41.55	1,479.34	3,509.87	1,637.31	1,544.53	92.78	17.648		
7,600.00	6,869.76	7,238.38	5,924.77	58.61	82.03	41.63	1,504.22	3,567.71	1,661.12	1,566.71	94.41	17.595		
7,683.49	6,942.18	7,319.45	5,986.49	59.42	83.17	41.70	1,525.00	3,616.01	1,681.00	1,585.23	95.77	17.553		
7,700.00	6,956.57	7,335.49	5,998.70	59.58	83.39	39.67	1,529.11	3,625.56	1,684.90	1,588.88	96.02	17.547		
7,750.00	7,000.85	7,384.07	6,035.68	60.04	84.07	32.38	1,541.56	3,654.50	1,696.38	1,599.73	96.65	17.552		
7,800.00	7,045.94	7,432.38	6,072.46	60.46	84.75	23.43	1,553.93	3,683.27	1,707.28	1,610.24	97.04	17.593		
7,850.00	7,091.49	7,480.04	6,108.74	60.84	85.42	13.21	1,566.15	3,711.66	1,717.57	1,620.38	97.19	17.672		
7,900.00	7,137.15	7,526.69	6,144.26	61.17	86.07	2.51	1,578.10	3,739.45	1,727.26	1,630.15	97.11	17.787		
7,950.00	7,182.58	7,571.98	6,178.73	61.44	86.71	-7.76	1,589.70	3,766.43	1,736.38	1,639.58	96.79	17.939		
8,000.00	7,227.43	7,615.56	6,211.91	61.67	87.32	-16.93	1,600.87	3,792.39	1,744.98	1,648.73	96.25	18.130		
8,050.00	7,271.36	7,657.10	6,243.53	61.84	87.90	-24.71	1,611.52	3,817.14	1,753.15	1,657.66	95.50	18.358		
8,100.00	7,314.04	7,703.71	6,273.36	61.96	88.55	-31.13	1,621.56	3,840.48	1,760.99	1,666.39	94.60	18.615		
8,150.00	7,355.14	7,732.82	6,301.17	62.04	88.96	-36.34	1,630.92	3,862.24	1,768.61	1,675.19	93.42	18.933		
8,200.00	7,394.34	7,766.42	6,326.75	62.07	89.43	-40.55	1,639.53	3,882.25	1,776.13	1,683.99	92.14	19.277		
8,250.00	7,431.36	7,796.83	6,349.90	62.06	89.86	-43.92	1,647.32	3,900.37	1,783.65	1,692.92	90.74	19.657		
8,300.00	7,465.90	7,823.83	6,370.45	62.01	90.24	-46.59	1,654.24	3,916.45	1,791.31	1,702.06	89.25	20.072		
8,350.00	7,497.71	7,847.19	6,388.24	61.93	90.57	-48.65	1,660.22	3,930.37	1,799.18	1,711.48	87.70	20.515		
8,400.00	7,526.53	7,866.76	6,403.14	61.81	90.84	-50.17	1,665.24	3,942.02	1,807.36	1,721.22	86.14	20.981		
8,450.00	7,552.17	7,882.37	6,415.02	61.66	91.06	-51.21	1,669.24	3,951.32	1,815.90	1,731.29	84.61	21.462		
8,500.00	7,574.41	7,906.08	6,423.81	61.48	91.39	-51.81	1,672.20	3,958.20	1,824.84	1,741.62	83.22	21.928		
8,550.00	7,593.09	7,901.30	6,429.43	61.29	91.32	-51.99	1,674.09	3,962.60	1,834.18	1,752.41	81.77	22.432		
8,600.00	7,608.07	7,904.47	6,431.85	61.07	91.37	-51.80	1,674.90	3,964.49	1,843.89	1,763.37	80.52	22.899		
8,650.00	7,619.23	7,903.41	6,431.03	60.84	91.35	-51.25	1,674.63	3,963.85	1,853.92	1,774.48	79.44	23.339		
8,700.00	7,626.48	7,898.11	6,427.00	60.60	91.28	-50.37	1,673.27	3,960.70	1,864.17	1,785.65	78.52	23.741		
8,750.00	7,629.78	7,888.62	6,419.78	60.35	91.15	-49.20	1,670.84	3,955.04	1,874.54	1,796.75	77.79	24.098		
8,766.45	7,630.00	7,884.59	6,416.71	60.27	91.09	-48.75	1,669.81	3,952.65	1,877.95	1,800.37	77.59	24.205		
8,800.00	7,630.00	7,875.93	6,410.12	60.10	90.97	-48.49	1,667.59	3,947.48	1,885.17	1,807.93	77.24	24.407		
8,900.00	7,630.00	7,850.11	6,390.46	59.61	90.61	-47.72	1,660.97	3,932.10	1,909.79	1,833.07	76.72	24.894		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
9,000.00	7,630.00	7,824.28	6,370.80	59.15	90.24	-46.94	1,654.35	3,916.72	1,938.91	1,862.00	76.91	25.211		
9,100.00	7,630.00	7,801.54	6,351.14	58.71	89.93	-46.17	1,647.74	3,901.34	1,972.34	1,894.59	77.74	25.369		
9,200.00	7,630.00	7,772.63	6,331.48	58.30	89.52	-45.40	1,641.12	3,885.95	2,009.86	1,930.79	79.07	25.418		
9,300.00	7,630.00	7,746.81	6,311.82	57.91	89.16	-44.63	1,634.50	3,870.57	2,051.25	1,970.41	80.83	25.376		
9,400.00	7,630.00	7,720.99	6,292.16	57.54	88.80	-43.87	1,627.89	3,855.19	2,096.27	2,013.38	82.90	25.287		
9,500.00	7,630.00	7,704.84	6,272.51	57.19	88.57	-43.10	1,621.27	3,839.81	2,144.71	2,059.48	85.23	25.163		
9,600.00	7,630.00	7,669.34	6,252.85	56.87	88.07	-42.35	1,614.65	3,824.42	2,196.33	2,108.76	87.57	25.082		
9,700.00	7,630.00	7,643.51	6,233.19	56.57	87.71	-41.59	1,608.03	3,809.04	2,250.91	2,160.90	90.02	25.005		
9,800.00	7,630.00	7,617.69	6,213.53	56.30	87.35	-40.84	1,601.42	3,793.66	2,308.25	2,215.78	92.47	24.962		
9,900.00	7,630.00	10,969.82	7,630.00	56.05	105.42	-90.05	143.95	4,895.50	2,329.32	2,243.39	85.92	27.109		
10,000.00	7,630.00	11,069.82	7,630.00	55.82	105.25	-90.05	43.96	4,895.16	2,329.32	2,242.84	86.47	26.937		
10,100.00	7,630.00	11,169.82	7,630.00	55.63	105.11	-90.05	-56.04	4,894.83	2,329.32	2,242.15	87.17	26.723		
10,200.00	7,630.00	11,269.82	7,630.00	55.46	104.97	-90.05	-156.04	4,894.49	2,329.32	2,241.32	88.00	26.471		
10,300.00	7,630.00	11,369.82	7,630.00	55.32	104.85	-90.05	-256.04	4,894.15	2,329.31	2,240.36	88.96	26.184		
10,400.00	7,630.00	11,469.82	7,630.00	55.22	104.74	-90.05	-356.04	4,893.81	2,329.31	2,239.26	90.05	25.867		
10,500.00	7,630.00	11,569.82	7,630.00	55.15	104.65	-90.05	-456.04	4,893.48	2,329.31	2,238.05	91.26	25.523		
10,600.00	7,630.00	11,669.82	7,630.00	55.14	104.57	-90.05	-556.04	4,893.14	2,329.31	2,236.71	92.60	25.155		
10,700.00	7,630.00	11,769.82	7,630.00	55.18	104.51	-90.05	-656.04	4,892.80	2,329.31	2,235.27	94.05	24.768		
10,800.00	7,630.00	11,869.82	7,630.00	55.28	104.46	-90.05	-756.04	4,892.47	2,329.31	2,233.71	95.60	24.364		
10,900.00	7,630.00	11,969.82	7,630.00	55.47	104.43	-90.05	-856.04	4,892.13	2,329.31	2,232.05	97.26	23.949		
11,000.00	7,630.00	12,069.82	7,630.00	55.74	104.42	-90.05	-956.04	4,891.79	2,329.31	2,230.29	99.02	23.524		
11,100.00	7,630.00	12,169.82	7,630.00	56.11	104.42	-90.05	-1,056.04	4,891.46	2,329.31	2,228.44	100.87	23.091		
11,200.00	7,630.00	12,269.82	7,630.00	56.60	104.44	-90.05	-1,156.04	4,891.12	2,329.31	2,226.50	102.81	22.656		
11,300.00	7,630.00	12,369.82	7,630.00	57.20	104.47	-90.05	-1,256.04	4,890.78	2,329.31	2,224.48	104.83	22.219		
11,400.00	7,630.00	12,469.82	7,630.00	57.91	104.53	-90.05	-1,356.04	4,890.45	2,329.31	2,222.38	106.93	21.783		
11,500.00	7,630.00	12,569.82	7,630.00	58.72	104.60	-90.05	-1,456.04	4,890.11	2,329.31	2,220.20	109.11	21.349		
11,600.00	7,630.00	12,669.82	7,630.00	59.63	104.69	-90.05	-1,556.04	4,889.77	2,329.31	2,217.96	111.35	20.919		
11,700.00	7,630.00	12,769.82	7,630.00	60.61	104.81	-90.05	-1,656.03	4,889.43	2,329.31	2,215.65	113.66	20.494		
11,800.00	7,630.00	12,869.82	7,630.00	61.67	104.94	-90.05	-1,756.03	4,889.10	2,329.31	2,213.28	116.03	20.075		
11,900.00	7,630.00	12,969.82	7,630.00	62.78	105.10	-90.05	-1,856.03	4,888.76	2,329.31	2,210.85	118.46	19.664		
12,000.00	7,630.00	13,069.82	7,630.00	63.95	105.28	-90.05	-1,956.03	4,888.42	2,329.31	2,208.37	120.94	19.260		
12,100.00	7,630.00	13,169.82	7,630.00	65.16	105.49	-90.05	-2,056.03	4,888.09	2,329.31	2,205.83	123.47	18.865		
12,200.00	7,630.00	13,269.82	7,630.00	66.41	105.72	-90.05	-2,156.03	4,887.75	2,329.30	2,203.25	126.05	18.479		
12,300.00	7,630.00	13,369.82	7,630.00	67.68	105.98	-90.05	-2,256.03	4,887.41	2,329.30	2,200.62	128.68	18.101		
12,400.00	7,630.00	13,469.82	7,630.00	68.99	106.26	-90.05	-2,356.03	4,887.08	2,329.30	2,197.95	131.35	17.734		
12,500.00	7,630.00	13,569.82	7,630.00	70.33	106.58	-90.05	-2,456.03	4,886.74	2,329.30	2,195.24	134.06	17.375		
12,600.00	7,630.00	13,669.82	7,630.00	71.68	106.92	-90.05	-2,556.03	4,886.40	2,329.30	2,192.50	136.80	17.027		
12,700.00	7,630.00	13,769.82	7,630.00	73.06	107.30	-90.05	-2,656.03	4,886.06	2,329.30	2,189.72	139.59	16.687		
12,800.00	7,630.00	13,869.82	7,630.00	74.45	107.70	-90.05	-2,756.03	4,885.73	2,329.30	2,186.90	142.40	16.357		
12,900.00	7,630.00	13,969.82	7,630.00	75.87	108.14	-90.05	-2,856.03	4,885.39	2,329.30	2,184.05	145.25	16.037		
13,000.00	7,630.00	14,069.82	7,630.00	77.29	108.62	-90.05	-2,956.03	4,885.05	2,329.30	2,181.18	148.12	15.726		
13,100.00	7,630.00	14,169.82	7,630.00	78.74	109.12	-90.05	-3,056.03	4,884.72	2,329.30	2,178.27	151.03	15.423		
13,200.00	7,630.00	14,269.82	7,630.00	80.19	109.67	-90.05	-3,156.03	4,884.38	2,329.30	2,175.34	153.95	15.130		
13,300.00	7,630.00	14,369.82	7,630.00	81.66	110.25	-90.05	-3,256.03	4,884.04	2,329.30	2,172.39	156.91	14.845		
13,400.00	7,630.00	14,469.82	7,630.00	83.14	110.86	-90.05	-3,356.03	4,883.71	2,329.30	2,169.41	159.89	14.568		
13,500.00	7,630.00	14,569.82	7,630.00	84.63	111.52	-90.05	-3,456.02	4,883.37	2,329.30	2,166.41	162.89	14.300		
13,600.00	7,630.00	14,669.82	7,630.00	86.14	112.21	-90.05	-3,556.02	4,883.03	2,329.30	2,163.39	165.91	14.040		
13,700.00	7,630.00	14,769.82	7,630.00	87.65	112.94	-90.05	-3,656.02	4,882.69	2,329.30	2,160.35	168.95	13.787		
13,800.00	7,630.00	14,869.82	7,630.00	89.17	113.70	-90.05	-3,756.02	4,882.36	2,329.30	2,157.29	172.01	13.542		
13,900.00	7,630.00	14,969.82	7,630.00	90.70	114.50	-90.05	-3,856.02	4,882.02	2,329.30	2,154.21	175.09	13.304		
14,000.00	7,630.00	15,069.82	7,630.00	92.24	115.34	-90.05	-3,956.02	4,881.68	2,329.29	2,151.11	178.18	13.073		
14,100.00	7,630.00	15,169.82	7,630.00	93.78	116.21	-90.05	-4,056.02	4,881.35	2,329.29	2,148.00	181.29	12.848		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
14,200.00	7,630.00	15,269.82	7,630.00	95.33	117.12	-90.05	-4,156.02	4,881.01	2,329.29	2,144.88	184.42	12.631		
14,300.00	7,630.00	15,369.82	7,630.00	96.89	118.06	-90.05	-4,256.02	4,880.67	2,329.29	2,141.74	187.56	12.419		
14,400.00	7,630.00	15,469.82	7,630.00	98.46	119.04	-90.05	-4,356.02	4,880.34	2,329.29	2,138.58	190.71	12.214		
14,500.00	7,630.00	15,569.82	7,630.00	100.03	120.04	-90.05	-4,456.02	4,880.00	2,329.29	2,135.41	193.88	12.014		
14,600.00	7,630.00	15,669.82	7,630.00	101.61	121.08	-90.05	-4,556.02	4,879.66	2,329.29	2,132.23	197.06	11.820		
14,700.00	7,630.00	15,769.82	7,630.00	103.20	122.15	-90.05	-4,656.02	4,879.32	2,329.29	2,129.04	200.25	11.632		
14,800.00	7,630.00	15,869.82	7,630.00	104.78	123.24	-90.05	-4,756.02	4,878.99	2,329.29	2,125.84	203.45	11.449		
14,900.00	7,630.00	15,969.82	7,630.00	106.38	124.37	-90.05	-4,856.02	4,878.65	2,329.29	2,122.62	206.67	11.271		
15,000.00	7,630.00	16,069.82	7,630.00	107.98	125.52	-90.05	-4,956.02	4,878.31	2,329.29	2,119.40	209.89	11.098		
15,100.00	7,630.00	16,169.82	7,630.00	109.58	126.69	-90.05	-5,056.02	4,877.98	2,329.29	2,116.17	213.12	10.929		
15,200.00	7,630.00	16,269.82	7,630.00	111.19	127.89	-90.05	-5,156.02	4,877.64	2,329.29	2,112.92	216.37	10.765		
15,300.00	7,630.00	16,369.82	7,630.00	112.81	129.11	-90.05	-5,256.01	4,877.30	2,329.29	2,109.67	219.62	10.606		
15,400.00	7,630.00	16,469.82	7,630.00	114.42	130.35	-90.05	-5,356.01	4,876.97	2,329.29	2,106.41	222.88	10.451		
15,500.00	7,630.00	16,569.82	7,630.00	116.05	131.61	-90.05	-5,456.01	4,876.63	2,329.29	2,103.14	226.15	10.300		
15,600.00	7,630.00	16,669.82	7,630.00	117.67	132.89	-90.05	-5,556.01	4,876.29	2,329.29	2,099.86	229.42	10.153		
15,700.00	7,630.00	16,769.82	7,630.00	119.30	134.19	-90.05	-5,656.01	4,875.96	2,329.29	2,096.58	232.71	10.009		
15,800.00	7,630.00	16,869.82	7,630.00	120.93	135.51	-90.05	-5,756.01	4,875.62	2,329.29	2,093.29	236.00	9.870		
15,900.00	7,630.00	16,969.82	7,630.00	122.57	136.85	-90.05	-5,856.01	4,875.28	2,329.28	2,089.99	239.30	9.734		
16,000.00	7,630.00	17,069.82	7,630.00	124.21	138.20	-90.05	-5,956.01	4,874.94	2,329.28	2,086.68	242.60	9.601		
16,100.00	7,630.00	17,169.82	7,630.00	125.85	139.56	-90.05	-6,056.01	4,874.61	2,329.28	2,083.37	245.91	9.472		
16,200.00	7,630.00	17,269.82	7,630.00	127.50	140.94	-90.05	-6,156.01	4,874.27	2,329.28	2,080.05	249.23	9.346		
16,300.00	7,630.00	17,369.82	7,630.00	129.15	142.33	-90.05	-6,256.01	4,873.93	2,329.28	2,076.73	252.56	9.223		
16,400.00	7,630.00	17,469.82	7,630.00	130.80	143.73	-90.05	-6,356.01	4,873.60	2,329.28	2,073.40	255.88	9.103		
16,500.00	7,630.00	17,569.82	7,630.00	132.46	145.15	-90.05	-6,456.01	4,873.26	2,329.28	2,070.06	259.22	8.986		
16,600.00	7,630.00	17,669.82	7,630.00	134.11	146.58	-90.05	-6,556.01	4,872.92	2,329.28	2,066.72	262.56	8.871		
16,700.00	7,630.00	17,769.82	7,630.00	135.77	148.02	-90.05	-6,656.01	4,872.59	2,329.28	2,063.38	265.90	8.760		
16,800.00	7,630.00	17,869.82	7,630.00	137.43	149.47	-90.05	-6,756.01	4,872.25	2,329.28	2,060.03	269.25	8.651		
16,900.00	7,630.00	17,969.82	7,630.00	139.10	150.93	-90.05	-6,856.01	4,871.91	2,329.28	2,056.67	272.61	8.544		
17,000.00	7,630.00	18,069.82	7,630.00	140.77	152.40	-90.05	-6,956.00	4,871.57	2,329.28	2,053.31	275.97	8.440		
17,100.00	7,630.00	18,169.82	7,630.00	142.44	153.87	-90.05	-7,056.00	4,871.24	2,329.28	2,049.95	279.33	8.339		
17,200.00	7,630.00	18,269.82	7,630.00	144.11	155.36	-90.05	-7,156.00	4,870.90	2,329.28	2,046.58	282.70	8.240		
17,300.00	7,630.00	18,369.82	7,630.00	145.78	156.85	-90.05	-7,256.00	4,870.56	2,329.28	2,043.21	286.07	8.142		
17,400.00	7,630.00	18,469.82	7,630.00	147.46	158.36	-90.05	-7,356.00	4,870.23	2,329.28	2,039.83	289.44	8.047		
17,500.00	7,630.00	18,569.82	7,630.00	149.13	159.86	-90.05	-7,456.00	4,869.89	2,329.28	2,036.45	292.82	7.955		
17,600.00	7,630.00	18,669.82	7,630.00	150.81	161.38	-90.05	-7,556.00	4,869.55	2,329.28	2,033.07	296.20	7.864		
17,700.00	7,630.00	18,769.82	7,630.00	152.49	162.90	-90.05	-7,656.00	4,869.22	2,329.28	2,029.69	299.59	7.775		
17,800.00	7,630.00	18,869.82	7,630.00	154.18	164.43	-90.05	-7,756.00	4,868.88	2,329.27	2,026.30	302.98	7.688		
17,900.00	7,630.00	18,969.82	7,630.00	155.86	165.97	-90.05	-7,856.00	4,868.54	2,329.27	2,022.90	306.37	7.603		
18,000.00	7,630.00	19,069.82	7,630.00	157.55	167.51	-90.05	-7,956.00	4,868.20	2,329.27	2,019.51	309.77	7.519		
18,100.00	7,630.00	19,169.82	7,630.00	159.24	169.06	-90.05	-8,056.00	4,867.87	2,329.27	2,016.11	313.17	7.438		
18,200.00	7,630.00	19,269.82	7,630.00	160.92	170.61	-90.05	-8,156.00	4,867.53	2,329.27	2,012.70	316.57	7.358		
18,300.00	7,630.00	19,369.82	7,630.00	162.62	172.17	-90.05	-8,256.00	4,867.19	2,329.27	2,009.30	319.97	7.280		
18,400.00	7,630.00	19,469.82	7,630.00	164.31	173.73	-90.05	-8,356.00	4,866.86	2,329.27	2,005.89	323.38	7.203		
18,449.17	7,630.00	19,518.99	7,630.00	165.14	174.50	-90.05	-8,405.16	4,866.69	2,329.27	2,004.21	325.06	7.166		
18,458.39	7,630.00	19,518.56	7,630.00	165.30	174.50	-90.05	-8,404.74	4,866.69	2,329.29	2,003.74	325.55	7.155 SF		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
0.00	0.00	2.00	-2.00	0.00	0.00	90.26	-0.36	80.08	80.08					
100.00	100.00	102.00	98.00	0.13	0.14	90.26	-0.36	80.08	80.08	79.81	0.28	290.126		
200.00	200.00	202.00	198.00	0.49	0.50	90.26	-0.36	80.08	80.08	79.09	0.99	80.649		
300.00	300.00	298.00	298.00	0.85	0.84	90.26	-0.36	80.08	80.08	78.39	1.70	47.230 CC, ES		
400.00	400.00	395.49	395.47	1.21	1.19	89.84	0.23	81.56	81.60	79.20	2.40	33.985		
500.00	500.00	492.71	492.57	1.57	1.54	88.64	2.05	86.09	86.29	83.19	3.10	27.797		
600.00	600.00	589.49	589.00	1.93	1.89	86.90	5.08	93.64	94.21	90.41	3.81	24.753		
700.00	700.00	685.61	684.44	2.29	2.26	84.91	9.28	104.13	105.42	100.91	4.50	23.404		
800.00	800.00	780.86	778.61	2.64	2.64	82.90	14.62	117.45	119.93	114.74	5.20	23.081		
900.00	900.00	875.05	871.20	3.00	3.05	81.04	21.05	133.47	137.75	131.87	5.88	23.424		
1,000.00	1,000.00	968.00	961.97	3.36	3.48	79.38	28.50	152.04	158.83	152.27	6.56	24.225		
1,100.00	1,100.00	1,059.54	1,050.68	3.72	3.94	77.96	36.90	172.99	183.10	175.88	7.22	25.348		
1,200.00	1,199.98	1,149.96	1,137.54	4.07	4.42	25.65	46.23	196.25	208.98	201.12	7.87	26.570		
1,300.00	1,299.84	1,239.65	1,222.89	4.43	4.94	24.88	56.49	221.83	234.86	226.36	8.50	27.623		
1,400.00	1,399.45	1,328.63	1,306.67	4.79	5.50	24.45	67.64	249.64	260.69	251.55	9.14	28.533		
1,500.00	1,498.70	1,416.91	1,388.83	5.15	6.09	24.26	79.66	279.61	286.40	276.63	9.77	29.318		
1,600.00	1,597.47	1,504.51	1,469.33	5.53	6.72	24.25	92.52	311.66	311.98	301.58	10.40	29.992		
1,700.00	1,695.62	1,591.45	1,548.15	5.93	7.40	24.36	106.17	345.71	337.41	326.37	11.04	30.561		
1,800.00	1,793.06	1,677.73	1,625.23	6.35	8.13	24.59	120.60	381.68	362.67	350.99	11.69	31.034		
1,900.00	1,889.64	1,763.38	1,700.57	6.79	8.89	24.89	135.77	419.50	387.77	375.42	12.34	31.416		
2,000.00	1,985.27	1,848.41	1,774.11	7.27	9.70	25.25	151.65	459.10	412.68	399.66	13.01	31.708		
2,100.00	2,079.82	1,932.84	1,845.86	7.79	10.55	25.66	168.22	500.41	437.41	423.70	13.71	31.912		
2,200.00	2,173.17	2,016.68	1,915.77	8.36	11.44	26.12	185.44	543.35	461.95	447.53	14.42	32.027		
2,300.00	2,265.21	2,099.95	1,983.84	8.97	12.38	26.60	203.30	587.86	486.31	471.14	15.17	32.052		
2,400.00	2,355.84	2,182.67	2,050.05	9.64	13.37	27.12	221.75	633.88	510.48	494.52	15.96	31.980		
2,500.00	2,444.94	2,264.85	2,114.39	10.36	14.40	27.65	240.79	681.33	534.46	517.66	16.80	31.817		
2,591.69	2,525.19	2,342.00	2,173.44	11.07	15.39	28.18	259.26	727.39	556.26	538.61	17.65	31.521		
2,600.00	2,532.40	2,350.04	2,179.56	11.14	15.50	28.25	261.21	732.25	558.19	540.45	17.74	31.457		
2,700.00	2,619.15	2,446.87	2,253.12	11.96	16.79	29.16	284.64	790.68	581.60	562.64	18.96	30.672		
2,800.00	2,705.89	2,543.69	2,326.69	12.81	18.10	29.99	308.08	849.11	605.13	584.91	20.22	29.925		
2,900.00	2,792.64	2,640.52	2,400.26	13.67	19.41	30.76	331.51	907.54	628.77	607.25	21.52	29.221		
3,000.00	2,879.39	2,737.35	2,473.82	14.55	20.73	31.47	354.95	965.97	652.51	629.66	22.85	28.558		
3,100.00	2,966.14	2,834.18	2,547.39	15.44	22.06	32.14	378.39	1,024.41	676.34	652.13	24.21	27.937		
3,200.00	3,052.88	2,931.01	2,620.96	16.34	23.39	32.76	401.82	1,082.84	700.26	674.66	25.60	27.357		
3,300.00	3,139.63	3,027.83	2,694.53	17.25	24.73	33.34	425.26	1,141.27	724.24	697.23	27.01	26.815		
3,400.00	3,226.38	3,124.66	2,768.09	18.17	26.07	33.88	448.69	1,199.70	748.29	719.85	28.44	26.309		
3,500.00	3,313.12	3,221.49	2,841.66	19.09	27.41	34.39	472.13	1,258.13	772.40	742.50	29.90	25.836		
3,600.00	3,399.87	3,318.32	2,915.23	20.02	28.76	34.86	495.57	1,316.56	796.56	765.20	31.37	25.395		
3,700.00	3,486.62	3,415.15	2,988.80	20.96	30.11	35.31	519.00	1,375.00	820.78	787.92	32.85	24.983		
3,800.00	3,573.37	3,511.98	3,062.36	21.90	31.46	35.74	542.44	1,433.43	845.04	810.68	34.35	24.597		
3,900.00	3,660.11	3,608.80	3,135.93	22.84	32.81	36.14	565.87	1,491.86	869.34	833.47	35.87	24.236		
4,000.00	3,746.86	3,705.63	3,209.50	23.78	34.16	36.52	589.31	1,550.29	893.67	856.28	37.40	23.898		
4,100.00	3,833.61	3,802.46	3,283.07	24.73	35.52	36.88	612.75	1,608.72	918.04	879.11	38.93	23.580		
4,200.00	3,920.35	3,900.71	3,356.63	25.68	36.89	37.22	636.18	1,667.16	942.45	901.96	40.49	23.275		
4,300.00	4,007.10	4,003.88	3,430.20	26.63	38.34	37.54	659.62	1,725.59	966.88	924.79	42.10	22.968		
4,400.00	4,093.85	4,092.94	3,503.77	27.59	39.59	37.85	683.05	1,784.02	991.34	947.74	43.60	22.736		
4,500.00	4,180.60	4,189.77	3,577.34	28.55	40.95	38.14	706.49	1,842.45	1,015.83	970.66	45.17	22.487		
4,600.00	4,267.34	4,286.60	3,650.90	29.50	42.31	38.42	729.92	1,900.88	1,040.34	993.59	46.75	22.251		
4,700.00	4,354.09	4,383.43	3,724.47	30.46	43.67	38.68	753.36	1,959.31	1,064.88	1,016.54	48.34	22.029		
4,800.00	4,440.84	4,480.26	3,798.04	31.42	45.03	38.94	776.80	2,017.75	1,089.43	1,039.50	49.93	21.818		
4,900.00	4,527.58	4,577.08	3,871.61	32.39	46.39	39.18	800.23	2,076.18	1,114.00	1,062.47	51.53	21.618		
5,000.00	4,614.33	4,673.91	3,945.17	33.35	47.75	39.41	823.67	2,134.61	1,138.59	1,085.46	53.13	21.429		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,701.08	4,770.74	4,018.74	34.31	49.12	39.63	847.10	2,193.04	1,163.20	1,108.46	54.74	21.249		
5,200.00	4,787.82	4,867.57	4,092.31	35.28	50.48	39.85	870.54	2,251.47	1,187.82	1,131.47	56.36	21.077		
5,300.00	4,874.57	4,964.40	4,165.88	36.25	51.84	40.05	893.98	2,309.91	1,212.46	1,154.49	57.97	20.915		
5,400.00	4,961.32	5,061.22	4,239.44	37.21	53.21	40.25	917.41	2,368.34	1,237.12	1,177.52	59.59	20.759		
5,500.00	5,048.07	5,158.05	4,313.01	38.18	54.57	40.44	940.85	2,426.77	1,261.78	1,200.56	61.22	20.611		
5,600.00	5,134.81	5,254.88	4,386.58	39.15	55.94	40.62	964.28	2,485.20	1,286.46	1,223.61	62.85	20.470		
5,700.00	5,221.56	5,351.71	4,460.14	40.12	57.30	40.79	987.72	2,543.63	1,311.15	1,246.67	64.48	20.335		
5,800.00	5,308.31	5,448.54	4,533.71	41.09	58.67	40.96	1,011.15	2,602.06	1,335.85	1,269.74	66.11	20.206		
5,900.00	5,395.05	5,545.37	4,607.28	42.06	60.03	41.12	1,034.59	2,660.50	1,360.56	1,292.81	67.75	20.082		
6,000.00	5,481.80	5,642.19	4,680.85	43.03	61.40	41.28	1,058.03	2,718.93	1,385.28	1,315.89	69.39	19.964		
6,100.00	5,568.55	5,739.02	4,754.41	44.00	62.77	41.43	1,081.46	2,777.36	1,410.01	1,338.98	71.03	19.851		
6,200.00	5,655.30	5,835.85	4,827.98	44.97	64.13	41.58	1,104.90	2,835.79	1,434.75	1,362.07	72.68	19.742		
6,300.00	5,742.04	5,932.68	4,901.55	45.94	65.50	41.72	1,128.33	2,894.22	1,459.50	1,385.17	74.32	19.637		
6,400.00	5,828.79	6,029.51	4,975.12	46.92	66.87	41.85	1,151.77	2,952.65	1,484.25	1,408.28	75.97	19.537		
6,500.00	5,915.54	6,126.33	5,048.68	47.89	68.23	41.98	1,175.21	3,011.09	1,509.02	1,431.39	77.62	19.440		
6,600.00	6,002.28	6,223.16	5,122.25	48.86	69.60	42.11	1,198.64	3,069.52	1,533.79	1,454.51	79.28	19.347		
6,700.00	6,089.03	6,319.99	5,195.82	49.83	70.97	42.23	1,222.08	3,127.95	1,558.56	1,477.63	80.93	19.257		
6,800.00	6,175.78	6,416.82	5,269.39	50.81	72.34	42.35	1,245.51	3,186.38	1,583.35	1,500.76	82.59	19.171		
6,900.00	6,262.53	6,513.65	5,342.95	51.78	73.70	42.47	1,268.95	3,244.81	1,608.14	1,523.89	84.25	19.088		
7,000.00	6,349.27	6,610.47	5,416.52	52.76	75.07	42.58	1,292.39	3,303.25	1,632.93	1,547.03	85.91	19.008		
7,100.00	6,436.02	6,707.30	5,490.09	53.73	76.44	42.69	1,315.82	3,361.68	1,657.74	1,570.17	87.57	18.930		
7,200.00	6,522.77	6,804.13	5,563.66	54.71	77.81	42.80	1,339.26	3,420.11	1,682.54	1,593.31	89.23	18.856		
7,300.00	6,609.51	6,900.96	5,637.22	55.68	79.17	42.90	1,362.69	3,478.54	1,707.36	1,616.46	90.90	18.783		
7,400.00	6,696.26	7,002.21	5,710.79	56.66	80.61	43.00	1,386.13	3,536.97	1,732.17	1,639.57	92.60	18.706		
7,500.00	6,783.01	7,105.39	5,784.36	57.63	82.06	43.10	1,409.56	3,595.40	1,757.00	1,662.67	94.32	18.628		
7,600.00	6,869.76	7,191.44	5,857.93	58.61	83.28	43.19	1,433.00	3,653.84	1,781.82	1,685.92	95.90	18.580		
7,683.49	6,942.18	7,272.29	5,919.35	59.42	84.42	43.27	1,452.57	3,702.62	1,802.56	1,705.26	97.29	18.527		
7,700.00	6,956.57	7,288.28	5,931.50	59.58	84.65	41.26	1,456.44	3,712.28	1,806.62	1,709.06	97.56	18.519		
7,750.00	7,000.85	7,336.78	5,968.35	60.04	85.33	34.02	1,468.18	3,741.54	1,818.51	1,720.30	98.21	18.516		
7,800.00	7,045.94	7,385.07	6,005.04	60.46	86.02	25.12	1,479.86	3,770.68	1,829.70	1,731.06	98.64	18.549		
7,850.00	7,091.49	7,432.77	6,041.28	60.84	86.69	14.95	1,491.41	3,799.47	1,840.16	1,741.31	98.85	18.616		
7,900.00	7,137.15	7,479.52	6,076.80	61.17	87.35	4.29	1,502.73	3,827.68	1,849.87	1,751.05	98.82	18.719		
7,950.00	7,182.58	7,524.98	6,111.34	61.44	87.99	-5.95	1,513.73	3,855.11	1,858.87	1,760.29	98.57	18.857		
8,000.00	7,227.43	7,568.78	6,144.62	61.67	88.61	-15.10	1,524.33	3,881.54	1,867.19	1,769.08	98.11	19.032		
8,050.00	7,271.36	7,610.60	6,176.39	61.84	89.20	-22.88	1,534.45	3,906.78	1,874.91	1,777.48	97.43	19.244		
8,100.00	7,314.04	7,650.13	6,206.42	61.96	89.76	-29.31	1,544.02	3,930.63	1,882.12	1,785.57	96.56	19.493		
8,150.00	7,355.14	7,687.05	6,234.47	62.04	90.29	-34.56	1,552.96	3,952.92	1,888.94	1,793.43	95.50	19.779		
8,200.00	7,394.34	7,721.09	6,260.34	62.07	90.77	-38.82	1,561.19	3,973.46	1,895.46	1,801.17	94.29	20.102		
8,250.00	7,431.36	7,751.99	6,283.82	62.06	91.20	-42.27	1,568.67	3,992.11	1,901.81	1,808.86	92.95	20.461		
8,300.00	7,465.90	7,779.52	6,304.73	62.01	91.59	-45.04	1,575.34	4,008.72	1,908.09	1,816.59	91.50	20.853		
8,350.00	7,497.71	7,803.46	6,322.92	61.93	91.93	-47.23	1,581.13	4,023.16	1,914.41	1,824.43	89.98	21.276		
8,400.00	7,526.53	7,823.63	6,338.24	61.81	92.22	-48.90	1,586.01	4,035.34	1,920.87	1,832.44	88.42	21.724		
8,450.00	7,552.17	7,839.88	6,350.59	61.66	92.45	-50.13	1,589.95	4,045.14	1,927.52	1,840.66	86.86	22.191		
8,500.00	7,574.41	7,852.09	6,359.87	61.48	92.62	-50.93	1,592.90	4,052.51	1,934.41	1,849.08	85.33	22.670		
8,550.00	7,593.09	7,860.16	6,366.00	61.29	92.73	-51.35	1,594.85	4,057.38	1,941.58	1,857.71	83.87	23.150		
8,600.00	7,608.07	7,864.03	6,368.94	61.07	92.79	-51.40	1,595.79	4,059.71	1,949.00	1,866.50	82.51	23.623		
8,650.00	7,619.23	7,863.67	6,368.66	60.84	92.78	-51.12	1,595.70	4,059.50	1,956.66	1,875.39	81.27	24.077		
8,700.00	7,626.48	7,859.08	6,365.18	60.60	92.72	-50.52	1,594.59	4,056.73	1,964.48	1,884.31	80.18	24.502		
8,750.00	7,629.78	7,850.31	6,358.51	60.35	92.59	-49.63	1,592.47	4,051.44	1,972.38	1,893.13	79.25	24.889		
8,766.45	7,630.00	7,846.52	6,355.63	60.27	92.54	-49.28	1,591.55	4,049.15	1,974.97	1,896.00	78.98	25.007		
8,800.00	7,630.00	7,838.33	6,349.41	60.10	92.42	-49.04	1,589.57	4,044.21	1,980.52	1,902.04	78.48	25.235		
8,900.00	7,630.00	7,813.92	6,330.87	59.61	92.08	-48.35	1,583.66	4,029.48	2,000.10	1,922.60	77.50	25.807		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
9,000.00	7,630.00	7,789.52	6,312.33	59.15	91.73	-47.66	1,577.76	4,014.75	2,024.15	1,946.93	77.22	26.214		
9,100.00	7,630.00	7,765.11	6,293.78	58.71	91.39	-46.97	1,571.85	4,000.02	2,052.50	1,974.92	77.58	26.457		
9,200.00	7,630.00	7,740.70	6,275.24	58.30	91.04	-46.27	1,565.94	3,985.29	2,084.97	2,006.46	78.51	26.556		
9,300.00	7,630.00	7,716.30	6,256.70	57.91	90.70	-45.59	1,560.03	3,970.56	2,121.39	2,041.47	79.92	26.543		
9,400.00	7,630.00	7,708.11	6,238.15	57.54	90.58	-44.90	1,554.13	3,955.84	2,161.55	2,079.74	81.81	26.421		
9,500.00	7,630.00	7,667.48	6,219.61	57.19	90.01	-44.21	1,548.22	3,941.11	2,205.24	2,121.46	83.78	26.320		
9,600.00	7,630.00	7,643.08	6,201.06	56.87	89.66	-43.53	1,542.31	3,926.38	2,252.27	2,166.22	86.05	26.174		
9,700.00	7,630.00	7,618.67	6,182.52	56.57	89.32	-42.85	1,536.40	3,911.65	2,302.42	2,213.98	88.44	26.035		
9,800.00	7,630.00	7,605.74	6,163.98	56.30	89.14	-42.17	1,530.50	3,896.92	2,355.49	2,264.54	90.96	25.897		
9,900.00	7,630.00	7,569.86	6,145.43	56.05	88.63	-41.49	1,524.59	3,882.19	2,411.30	2,317.98	93.32	25.838		
10,000.00	7,630.00	7,545.45	6,126.89	55.82	88.28	-40.82	1,518.68	3,867.47	2,469.66	2,373.92	95.74	25.796		
10,100.00	7,630.00	7,521.04	6,108.35	55.63	87.94	-40.15	1,512.78	3,852.74	2,530.39	2,432.30	98.09	25.795		
10,200.00	7,630.00	7,503.36	6,089.80	55.46	87.69	-39.48	1,506.87	3,838.01	2,593.33	2,492.91	100.42	25.825		
10,300.00	7,630.00	7,472.23	6,071.26	55.32	87.25	-38.82	1,500.96	3,823.28	2,658.31	2,555.77	102.55	25.923		
10,400.00	7,630.00	11,842.09	7,870.00	55.22	112.49	-95.16	-357.18	5,243.80	2,690.21	2,602.78	87.42	30.772		
10,500.00	7,630.00	11,942.09	7,870.00	55.15	112.40	-95.16	-457.18	5,243.46	2,690.21	2,601.61	88.60	30.365		
10,600.00	7,630.00	12,042.09	7,870.00	55.14	112.33	-95.16	-557.18	5,243.13	2,690.21	2,600.32	89.89	29.928		
10,700.00	7,630.00	12,142.09	7,870.00	55.18	112.26	-95.16	-657.18	5,242.79	2,690.21	2,598.91	91.30	29.465		
10,800.00	7,630.00	12,242.09	7,870.00	55.28	112.22	-95.16	-757.18	5,242.46	2,690.21	2,597.38	92.83	28.981		
10,900.00	7,630.00	12,342.09	7,870.00	55.47	112.18	-95.16	-857.17	5,242.12	2,690.21	2,595.75	94.46	28.480		
11,000.00	7,630.00	12,442.09	7,870.00	55.74	112.17	-95.16	-957.17	5,241.79	2,690.21	2,594.02	96.19	27.968		
11,100.00	7,630.00	12,542.09	7,870.00	56.11	112.16	-95.16	-1,057.17	5,241.45	2,690.21	2,592.19	98.02	27.445		
11,200.00	7,630.00	12,642.09	7,870.00	56.60	112.18	-95.16	-1,157.17	5,241.12	2,690.21	2,590.28	99.94	26.919		
11,300.00	7,630.00	12,742.09	7,870.00	57.20	112.20	-95.16	-1,257.17	5,240.78	2,690.22	2,588.28	101.94	26.390		
11,400.00	7,630.00	12,842.09	7,870.00	57.91	112.25	-95.16	-1,357.17	5,240.45	2,690.22	2,586.19	104.02	25.862		
11,500.00	7,630.00	12,942.09	7,870.00	58.72	112.31	-95.16	-1,457.17	5,240.11	2,690.22	2,584.04	106.18	25.336		
11,600.00	7,630.00	13,042.09	7,870.00	59.63	112.39	-95.16	-1,557.17	5,239.77	2,690.22	2,581.81	108.41	24.815		
11,700.00	7,630.00	13,142.09	7,870.00	60.61	112.49	-95.16	-1,657.17	5,239.44	2,690.22	2,579.51	110.71	24.300		
11,800.00	7,630.00	13,242.09	7,870.00	61.67	112.61	-95.16	-1,757.17	5,239.10	2,690.22	2,577.15	113.07	23.793		
11,900.00	7,630.00	13,342.09	7,870.00	62.78	112.74	-95.16	-1,857.17	5,238.77	2,690.22	2,574.74	115.49	23.295		
12,000.00	7,630.00	13,442.09	7,870.00	63.95	112.90	-95.16	-1,957.17	5,238.43	2,690.22	2,572.26	117.96	22.806		
12,100.00	7,630.00	13,542.09	7,870.00	65.16	113.07	-95.16	-2,057.17	5,238.10	2,690.22	2,569.74	120.49	22.328		
12,200.00	7,630.00	13,642.09	7,870.00	66.41	113.27	-95.16	-2,157.17	5,237.76	2,690.23	2,567.17	123.06	21.861		
12,300.00	7,630.00	13,742.09	7,870.00	67.68	113.49	-95.16	-2,257.17	5,237.43	2,690.23	2,564.55	125.68	21.405		
12,400.00	7,630.00	13,842.09	7,870.00	68.99	113.74	-95.16	-2,357.17	5,237.09	2,690.23	2,561.88	128.34	20.961		
12,500.00	7,630.00	13,942.09	7,870.00	70.33	114.01	-95.16	-2,457.17	5,236.76	2,690.23	2,559.18	131.05	20.529		
12,600.00	7,630.00	14,042.09	7,870.00	71.68	114.30	-95.16	-2,557.17	5,236.42	2,690.23	2,556.44	133.79	20.108		
12,700.00	7,630.00	14,142.09	7,870.00	73.06	114.62	-95.16	-2,657.16	5,236.09	2,690.23	2,553.67	136.56	19.699		
12,800.00	7,630.00	14,242.09	7,870.00	74.45	114.97	-95.16	-2,757.16	5,235.75	2,690.23	2,550.86	139.38	19.302		
12,900.00	7,630.00	14,342.09	7,870.00	75.87	115.34	-95.16	-2,857.16	5,235.42	2,690.23	2,548.02	142.22	18.916		
13,000.00	7,630.00	14,442.09	7,870.00	77.29	115.75	-95.16	-2,957.16	5,235.08	2,690.23	2,545.15	145.09	18.542		
13,100.00	7,630.00	14,542.09	7,870.00	78.74	116.18	-95.16	-3,057.16	5,234.74	2,690.24	2,542.25	147.99	18.179		
13,200.00	7,630.00	14,642.09	7,870.00	80.19	116.64	-95.16	-3,157.16	5,234.41	2,690.24	2,539.32	150.91	17.826		
13,300.00	7,630.00	14,742.09	7,870.00	81.66	117.14	-95.16	-3,257.16	5,234.07	2,690.24	2,536.37	153.87	17.484		
13,400.00	7,630.00	14,842.09	7,870.00	83.14	117.66	-95.16	-3,357.16	5,233.74	2,690.24	2,533.40	156.84	17.153		
13,500.00	7,630.00	14,942.09	7,870.00	84.63	118.22	-95.16	-3,457.16	5,233.40	2,690.24	2,530.40	159.84	16.831		
13,600.00	7,630.00	15,042.09	7,870.00	86.14	118.81	-95.16	-3,557.16	5,233.07	2,690.24	2,527.39	162.85	16.519		
13,700.00	7,630.00	15,142.09	7,870.00	87.65	119.43	-95.16	-3,657.16	5,232.73	2,690.24	2,524.35	165.89	16.217		
13,800.00	7,630.00	15,242.09	7,870.00	89.17	120.09	-95.16	-3,757.16	5,232.40	2,690.24	2,521.29	168.95	15.923		
13,900.00	7,630.00	15,342.09	7,870.00	90.70	120.78	-95.16	-3,857.16	5,232.06	2,690.24	2,518.22	172.02	15.639		
14,000.00	7,630.00	15,442.09	7,870.00	92.24	121.50	-95.16	-3,957.16	5,231.73	2,690.25	2,515.13	175.11	15.363		
14,100.00	7,630.00	15,542.09	7,870.00	93.78	122.26	-95.16	-4,057.16	5,231.39	2,690.25	2,512.03	178.22	15.095		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
14,200.00	7,630.00	15,642.09	7,870.00	95.33	123.05	-95.16	-4,157.16	5,231.06	2,690.25	2,508.91	181.34	14.835		
14,300.00	7,630.00	15,742.09	7,870.00	96.89	123.87	-95.16	-4,257.16	5,230.72	2,690.25	2,505.77	184.48	14.583		
14,400.00	7,630.00	15,842.09	7,870.00	98.46	124.72	-95.16	-4,357.16	5,230.39	2,690.25	2,502.62	187.63	14.338		
14,500.00	7,630.00	15,942.09	7,870.00	100.03	125.61	-95.16	-4,457.15	5,230.05	2,690.25	2,499.46	190.79	14.100		
14,600.00	7,630.00	16,042.09	7,870.00	101.61	126.53	-95.16	-4,557.15	5,229.71	2,690.25	2,496.28	193.97	13.870		
14,700.00	7,630.00	16,142.09	7,870.00	103.20	127.48	-95.16	-4,657.15	5,229.38	2,690.25	2,493.10	197.16	13.645		
14,800.00	7,630.00	16,242.09	7,870.00	104.78	128.46	-95.16	-4,757.15	5,229.04	2,690.25	2,489.90	200.35	13.428		
14,900.00	7,630.00	16,342.09	7,870.00	106.38	129.46	-95.16	-4,857.15	5,228.71	2,690.26	2,486.69	203.56	13.216		
15,000.00	7,630.00	16,442.09	7,870.00	107.98	130.50	-95.16	-4,957.15	5,228.37	2,690.26	2,483.47	206.78	13.010		
15,100.00	7,630.00	16,542.09	7,870.00	109.58	131.56	-95.16	-5,057.15	5,228.04	2,690.26	2,480.25	210.01	12.810		
15,200.00	7,630.00	16,642.09	7,870.00	111.19	132.65	-95.16	-5,157.15	5,227.70	2,690.26	2,477.01	213.25	12.616		
15,300.00	7,630.00	16,742.09	7,870.00	112.81	133.76	-95.16	-5,257.15	5,227.37	2,690.26	2,473.76	216.50	12.426		
15,400.00	7,630.00	16,842.09	7,870.00	114.42	134.90	-95.16	-5,357.15	5,227.03	2,690.26	2,470.51	219.75	12.242		
15,500.00	7,630.00	16,942.09	7,870.00	116.05	136.06	-95.16	-5,457.15	5,226.70	2,690.26	2,467.25	223.02	12.063		
15,600.00	7,630.00	17,042.09	7,870.00	117.67	137.25	-95.16	-5,557.15	5,226.36	2,690.26	2,463.98	226.29	11.889		
15,700.00	7,630.00	17,142.09	7,870.00	119.30	138.45	-95.16	-5,657.15	5,226.03	2,690.26	2,460.70	229.57	11.719		
15,800.00	7,630.00	17,242.09	7,870.00	120.93	139.68	-95.16	-5,757.15	5,225.69	2,690.27	2,457.41	232.85	11.553		
15,900.00	7,630.00	17,342.09	7,870.00	122.57	140.92	-95.16	-5,857.15	5,225.36	2,690.27	2,454.12	236.15	11.392		
16,000.00	7,630.00	17,442.09	7,870.00	124.21	142.18	-95.16	-5,957.15	5,225.02	2,690.27	2,450.82	239.45	11.235		
16,100.00	7,630.00	17,542.09	7,870.00	125.85	143.46	-95.16	-6,057.15	5,224.68	2,690.27	2,447.52	242.75	11.082		
16,200.00	7,630.00	17,642.09	7,870.00	127.50	144.76	-95.16	-6,157.14	5,224.35	2,690.27	2,444.21	246.06	10.933		
16,300.00	7,630.00	17,742.09	7,870.00	129.15	146.08	-95.16	-6,257.14	5,224.01	2,690.27	2,440.89	249.38	10.788		
16,400.00	7,630.00	17,842.09	7,870.00	130.80	147.41	-95.16	-6,357.14	5,223.68	2,690.27	2,437.57	252.70	10.646		
16,500.00	7,630.00	17,942.09	7,870.00	132.46	148.75	-95.16	-6,457.14	5,223.34	2,690.27	2,434.24	256.03	10.508		
16,600.00	7,630.00	18,042.09	7,870.00	134.11	150.11	-95.16	-6,557.14	5,223.01	2,690.27	2,430.91	259.37	10.373		
16,700.00	7,630.00	18,142.09	7,870.00	135.77	151.48	-95.16	-6,657.14	5,222.67	2,690.28	2,427.57	262.70	10.241		
16,800.00	7,630.00	18,242.09	7,870.00	137.43	152.86	-95.16	-6,757.14	5,222.34	2,690.28	2,424.23	266.05	10.112		
16,900.00	7,630.00	18,342.09	7,870.00	139.10	154.26	-95.16	-6,857.14	5,222.00	2,690.28	2,420.88	269.39	9.986		
17,000.00	7,630.00	18,442.09	7,870.00	140.77	155.67	-95.16	-6,957.14	5,221.67	2,690.28	2,417.53	272.75	9.864		
17,100.00	7,630.00	18,542.09	7,870.00	142.44	157.09	-95.16	-7,057.14	5,221.33	2,690.28	2,414.18	276.10	9.744		
17,200.00	7,630.00	18,642.09	7,870.00	144.11	158.52	-95.16	-7,157.14	5,221.00	2,690.28	2,410.82	279.46	9.627		
17,300.00	7,630.00	18,742.09	7,870.00	145.78	159.96	-95.16	-7,257.14	5,220.66	2,690.28	2,407.45	282.83	9.512		
17,400.00	7,630.00	18,842.09	7,870.00	147.46	161.40	-95.16	-7,357.14	5,220.33	2,690.28	2,404.09	286.20	9.400		
17,500.00	7,630.00	18,942.09	7,870.00	149.13	162.86	-95.16	-7,457.14	5,219.99	2,690.28	2,400.72	289.57	9.291		
17,600.00	7,630.00	19,042.09	7,870.00	150.81	164.33	-95.16	-7,557.14	5,219.65	2,690.29	2,397.34	292.94	9.184		
17,700.00	7,630.00	19,142.09	7,870.00	152.49	165.81	-95.16	-7,657.14	5,219.32	2,690.29	2,393.96	296.32	9.079		
17,800.00	7,630.00	19,242.09	7,870.00	154.18	167.29	-95.16	-7,757.14	5,218.98	2,690.29	2,390.58	299.71	8.976		
17,900.00	7,630.00	19,342.09	7,870.00	155.86	168.78	-95.16	-7,857.14	5,218.65	2,690.29	2,387.20	303.09	8.876		
18,000.00	7,630.00	19,442.09	7,870.00	157.55	170.28	-95.16	-7,957.13	5,218.31	2,690.29	2,383.81	306.48	8.778		
18,100.00	7,630.00	19,542.09	7,870.00	159.24	171.78	-95.16	-8,057.13	5,217.98	2,690.29	2,380.42	309.87	8.682		
18,200.00	7,630.00	19,642.09	7,870.00	160.92	173.30	-95.16	-8,157.13	5,217.64	2,690.29	2,377.03	313.27	8.588		
18,300.00	7,630.00	19,742.09	7,870.00	162.62	174.81	-95.16	-8,257.13	5,217.31	2,690.29	2,373.63	316.66	8.496		
18,400.00	7,630.00	19,842.09	7,870.00	164.31	176.34	-95.16	-8,357.13	5,216.97	2,690.29	2,370.23	320.06	8.406		
18,401.75	7,630.00	19,843.83	7,870.00	164.34	176.37	-95.16	-8,358.88	5,216.97	2,690.29	2,370.17	320.12	8.404		
18,458.39	7,630.00	19,889.26	7,870.00	165.30	177.06	-95.16	-8,404.30	5,216.81	2,690.32	2,368.11	322.21	8.349 SF		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	2.00	-2.00	0.00	0.00	90.23	-0.36	89.88	89.88					
100.00	100.00	102.00	98.00	0.13	0.14	90.23	-0.36	89.88	89.88	89.61	0.28	325.630		
200.00	200.00	198.00	198.00	0.49	0.49	90.23	-0.36	89.88	89.88	88.90	0.98	91.845	CC, ES	
300.00	300.00	295.18	295.16	0.85	0.83	89.88	0.19	91.36	91.40	89.72	1.68	54.248		
400.00	400.00	392.08	391.93	1.21	1.18	88.86	1.91	95.90	96.11	93.72	2.39	40.197		
500.00	500.00	488.54	488.05	1.57	1.54	87.36	4.77	103.46	104.05	100.95	3.10	33.605		
600.00	600.00	584.35	583.20	1.93	1.91	85.61	8.74	113.96	115.25	111.45	3.80	30.342		
700.00	700.00	679.30	677.07	2.29	2.30	83.82	13.78	127.30	129.74	125.25	4.50	28.862		
800.00	800.00	773.20	769.39	2.64	2.71	82.12	19.85	143.34	147.51	142.33	5.19	28.447		
900.00	900.00	865.87	859.89	3.00	3.15	80.58	26.88	161.94	168.52	162.65	5.87	28.721		
1,000.00	1,000.00	957.15	948.36	3.36	3.61	79.22	34.81	182.93	192.71	186.17	6.54	29.459		
1,100.00	1,100.00	1,046.87	1,034.59	3.72	4.10	78.06	43.58	206.12	220.01	212.82	7.19	30.586		
1,200.00	1,199.98	1,135.39	1,118.86	4.07	4.62	25.90	53.16	231.46	248.83	240.99	7.84	31.727		
1,300.00	1,299.84	1,223.15	1,201.53	4.43	5.18	25.22	63.56	258.97	277.60	269.12	8.48	32.752		
1,400.00	1,399.45	1,310.15	1,282.57	4.79	5.77	24.82	74.76	288.58	306.25	297.14	9.11	33.631		
1,500.00	1,498.70	1,396.42	1,361.95	5.15	6.41	24.63	86.71	320.19	334.74	325.00	9.74	34.380		
1,600.00	1,597.47	1,481.98	1,439.62	5.53	7.08	24.60	99.39	353.74	363.05	352.68	10.37	35.012		
1,700.00	1,695.62	1,566.85	1,515.57	5.93	7.80	24.68	112.78	389.14	391.15	380.14	11.01	35.539		
1,800.00	1,793.06	1,651.03	1,589.78	6.35	8.56	24.86	126.83	426.33	419.03	407.38	11.65	35.967		
1,900.00	1,889.64	1,734.55	1,662.21	6.79	9.35	25.11	141.54	465.22	446.69	434.38	12.31	36.301		
2,000.00	1,985.27	1,817.43	1,732.86	7.27	10.19	25.42	156.86	505.75	474.11	461.14	12.97	36.542		
2,100.00	2,079.82	1,899.69	1,801.71	7.79	11.07	25.78	172.77	547.84	501.29	487.63	13.66	36.690		
2,200.00	2,173.17	1,981.33	1,868.74	8.36	11.99	26.17	189.26	591.44	528.23	513.85	14.38	36.736		
2,300.00	2,265.21	2,062.39	1,933.95	8.97	12.96	26.59	206.28	636.47	554.92	539.80	15.13	36.688		
2,400.00	2,355.84	2,142.87	1,997.33	9.64	13.96	27.04	223.82	682.87	581.37	565.46	15.91	36.544		
2,500.00	2,444.94	2,222.80	2,058.86	10.36	15.00	27.51	241.86	730.58	607.56	590.83	16.73	36.306		
2,591.69	2,525.19	2,295.62	2,113.66	11.07	15.99	27.96	258.82	775.43	631.36	613.82	17.54	36.005		
2,600.00	2,532.40	2,302.20	2,118.55	11.14	16.08	28.02	260.37	779.55	633.52	615.91	17.61	35.978		
2,700.00	2,619.15	2,380.75	2,176.15	11.96	17.20	28.70	279.26	829.49	660.92	642.40	18.53	35.674		
2,800.00	2,705.89	2,472.96	2,242.63	12.81	18.55	29.41	301.86	889.27	690.12	670.40	19.72	34.997		
2,900.00	2,792.64	2,568.23	2,311.30	13.67	19.95	30.08	325.21	951.05	719.44	698.44	21.00	34.260		
3,000.00	2,879.39	2,663.51	2,379.96	14.55	21.37	30.69	348.57	1,012.84	748.85	726.54	22.31	33.564		
3,100.00	2,966.14	2,758.79	2,448.62	15.44	22.79	31.27	371.93	1,074.62	778.33	754.68	23.65	32.910		
3,200.00	3,052.88	2,854.06	2,517.28	16.34	24.22	31.80	395.29	1,136.41	807.88	782.86	25.01	32.297		
3,300.00	3,139.63	2,949.34	2,585.95	17.25	25.65	32.29	418.65	1,198.19	837.48	811.08	26.40	31.724		
3,400.00	3,226.38	3,044.62	2,654.61	18.17	27.09	32.75	442.01	1,259.98	867.14	839.34	27.80	31.188		
3,500.00	3,313.12	3,139.89	2,723.27	19.09	28.53	33.18	465.36	1,321.76	896.85	867.62	29.23	30.687		
3,600.00	3,399.87	3,235.17	2,791.94	20.02	29.97	33.58	488.72	1,383.55	926.60	895.94	30.66	30.218		
3,700.00	3,486.62	3,330.45	2,860.60	20.96	31.42	33.95	512.08	1,445.33	956.39	924.27	32.12	29.779		
3,800.00	3,573.37	3,425.72	2,929.26	21.90	32.87	34.31	535.44	1,507.11	986.21	952.63	33.58	29.369		
3,900.00	3,660.11	3,521.00	2,997.93	22.84	34.32	34.64	558.80	1,568.90	1,016.07	981.02	35.06	28.984		
4,000.00	3,746.86	3,616.27	3,066.59	23.78	35.77	34.96	582.16	1,630.68	1,045.96	1,009.42	36.54	28.623		
4,100.00	3,833.61	3,711.55	3,135.25	24.73	37.22	35.25	605.52	1,692.47	1,075.87	1,037.83	38.04	28.283		
4,200.00	3,920.35	3,806.83	3,203.92	25.68	38.68	35.53	628.87	1,754.25	1,105.81	1,066.27	39.54	27.964		
4,300.00	4,007.10	3,902.10	3,272.58	26.63	40.14	35.80	652.23	1,816.04	1,135.77	1,094.72	41.06	27.664		
4,400.00	4,093.85	4,002.62	3,341.24	27.59	41.67	36.05	675.59	1,877.82	1,165.76	1,123.14	42.62	27.354		
4,500.00	4,180.60	4,107.34	3,409.91	28.55	43.28	36.29	698.95	1,939.61	1,195.76	1,151.54	44.22	27.042		
4,600.00	4,267.34	4,187.93	3,478.57	29.50	44.51	36.52	722.31	2,001.39	1,225.78	1,180.14	45.64	26.860		
4,700.00	4,354.09	4,283.21	3,547.23	30.46	45.97	36.74	745.67	2,063.17	1,255.82	1,208.64	47.17	26.620		
4,800.00	4,440.84	4,378.49	3,615.90	31.42	47.43	36.94	769.02	2,124.96	1,285.87	1,237.15	48.72	26.394		
4,900.00	4,527.58	4,473.76	3,684.56	32.39	48.89	37.14	792.38	2,186.74	1,315.94	1,265.67	50.27	26.179		
5,000.00	4,614.33	4,569.04	3,753.22	33.35	50.35	37.33	815.74	2,248.53	1,346.02	1,294.20	51.82	25.975		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,701.08	4,664.31	3,821.89	34.31	51.82	37.51	839.10	2,310.31	1,376.11	1,322.74	53.38	25.781		
5,200.00	4,787.82	4,759.59	3,890.55	35.28	53.28	37.68	862.46	2,372.10	1,406.22	1,351.28	54.94	25.596		
5,300.00	4,874.57	4,854.87	3,959.21	36.25	54.74	37.85	885.82	2,433.88	1,436.34	1,379.83	56.50	25.420		
5,400.00	4,961.32	4,950.14	4,027.88	37.21	56.21	38.01	909.18	2,495.67	1,466.47	1,408.39	58.07	25.252		
5,500.00	5,048.07	5,045.42	4,096.54	38.18	57.67	38.16	932.53	2,557.45	1,496.60	1,436.96	59.64	25.092		
5,600.00	5,134.81	5,140.70	4,165.20	39.15	59.13	38.31	955.89	2,619.23	1,526.75	1,465.53	61.22	24.939		
5,700.00	5,221.56	5,235.97	4,233.87	40.12	60.60	38.45	979.25	2,681.02	1,556.91	1,494.11	62.80	24.793		
5,800.00	5,308.31	5,331.25	4,302.53	41.09	62.06	38.58	1,002.61	2,742.80	1,587.07	1,522.69	64.38	24.653		
5,900.00	5,395.05	5,426.53	4,371.19	42.06	63.53	38.71	1,025.97	2,804.59	1,617.24	1,551.28	65.96	24.519		
6,000.00	5,481.80	5,521.80	4,439.86	43.03	64.99	38.84	1,049.33	2,866.37	1,647.42	1,579.88	67.54	24.391		
6,100.00	5,568.55	5,617.08	4,508.52	44.00	66.46	38.96	1,072.68	2,928.16	1,677.61	1,608.48	69.13	24.268		
6,200.00	5,655.30	5,712.35	4,577.18	44.97	67.93	39.08	1,096.04	2,989.94	1,707.80	1,637.08	70.72	24.149		
6,300.00	5,742.04	5,807.63	4,645.85	45.94	69.39	39.19	1,119.40	3,051.73	1,738.00	1,665.69	72.31	24.036		
6,400.00	5,828.79	5,902.91	4,714.51	46.92	70.86	39.30	1,142.76	3,113.51	1,768.20	1,694.30	73.90	23.926		
6,500.00	5,915.54	5,998.18	4,783.17	47.89	72.33	39.40	1,166.12	3,175.30	1,798.41	1,722.91	75.50	23.821		
6,600.00	6,002.28	6,106.54	4,851.84	48.86	73.99	39.50	1,189.48	3,237.08	1,828.63	1,751.42	77.20	23.686		
6,700.00	6,089.03	6,188.74	4,920.50	49.83	75.26	39.60	1,212.84	3,298.86	1,858.85	1,780.16	78.69	23.622		
6,800.00	6,175.78	6,284.01	4,989.16	50.81	76.73	39.70	1,236.19	3,360.65	1,889.07	1,808.78	80.29	23.528		
6,900.00	6,262.53	6,379.29	5,057.83	51.78	78.20	39.79	1,259.55	3,422.43	1,919.30	1,837.41	81.89	23.437		
7,000.00	6,349.27	6,474.57	5,126.49	52.76	79.66	39.88	1,282.91	3,484.22	1,949.54	1,866.04	83.49	23.350		
7,100.00	6,436.02	6,569.84	5,195.15	53.73	81.13	39.97	1,306.27	3,546.00	1,979.78	1,894.68	85.10	23.265		
7,200.00	6,522.77	6,665.12	5,263.82	54.71	82.60	40.05	1,329.63	3,607.79	2,010.02	1,923.32	86.70	23.183		
7,300.00	6,609.51	6,760.39	5,332.48	55.68	84.07	40.13	1,352.99	3,669.57	2,040.27	1,951.96	88.31	23.104		
7,400.00	6,696.26	6,855.67	5,401.14	56.66	85.53	40.21	1,376.34	3,731.36	2,070.52	1,980.60	89.91	23.028		
7,500.00	6,783.01	6,950.95	5,469.81	57.63	87.00	40.29	1,399.70	3,793.14	2,100.77	2,009.25	91.52	22.953		
7,600.00	6,869.76	7,046.22	5,538.47	58.61	88.47	40.36	1,423.06	3,854.92	2,131.03	2,037.89	93.13	22.882		
7,683.49	6,942.18	7,125.77	5,595.80	59.42	89.70	40.42	1,442.56	3,906.51	2,156.29	2,061.81	94.48	22.824		
7,700.00	6,956.57	7,141.51	5,607.14	59.58	89.94	38.52	1,446.42	3,916.72	2,161.27	2,066.53	94.73	22.815		
7,750.00	7,000.85	7,189.21	5,641.51	60.04	90.67	31.62	1,458.12	3,947.65	2,176.04	2,080.66	95.37	22.816		
7,800.00	7,045.94	7,236.66	5,675.71	60.46	91.41	23.09	1,469.75	3,978.42	2,190.30	2,094.48	95.82	22.859		
7,850.00	7,091.49	7,283.50	5,709.47	60.84	92.13	13.32	1,481.23	4,008.79	2,203.98	2,107.92	96.06	22.944		
7,900.00	7,137.15	7,329.38	5,742.53	61.17	92.84	3.09	1,492.48	4,038.55	2,217.03	2,120.94	96.09	23.071		
7,950.00	7,182.58	7,373.95	5,774.65	61.44	93.52	-6.71	1,503.41	4,067.45	2,229.44	2,133.51	95.93	23.240		
8,000.00	7,227.43	7,416.87	5,805.58	61.67	94.18	-15.41	1,513.93	4,095.28	2,241.21	2,145.64	95.57	23.450		
8,050.00	7,271.36	7,457.81	5,835.09	61.84	94.81	-22.72	1,523.97	4,121.83	2,252.37	2,157.33	95.03	23.701		
8,100.00	7,314.04	7,503.54	5,862.94	61.96	95.52	-28.69	1,533.44	4,146.89	2,262.95	2,168.57	94.38	23.977		
8,150.00	7,355.14	7,532.53	5,888.94	62.04	95.97	-33.49	1,542.29	4,170.28	2,273.01	2,179.55	93.46	24.321		
8,200.00	7,394.34	7,565.74	5,912.87	62.07	96.48	-37.31	1,550.43	4,191.82	2,282.62	2,190.15	92.46	24.687		
8,250.00	7,431.36	7,604.16	5,934.56	62.06	97.07	-40.35	1,557.81	4,211.34	2,291.82	2,200.41	91.41	25.071		
8,300.00	7,465.90	7,622.59	5,953.84	62.01	97.36	-42.74	1,564.37	4,228.69	2,300.68	2,210.54	90.15	25.522		
8,350.00	7,497.71	7,645.81	5,970.58	61.93	97.71	-44.59	1,570.06	4,243.74	2,309.27	2,220.38	88.88	25.982		
8,400.00	7,526.53	7,665.31	5,984.63	61.81	98.01	-45.98	1,574.84	4,256.38	2,317.61	2,230.03	87.58	26.463		
8,450.00	7,552.17	7,680.93	5,995.89	61.66	98.25	-46.97	1,578.67	4,266.52	2,325.76	2,239.49	86.27	26.959		
8,500.00	7,574.41	7,707.43	6,004.27	61.48	98.66	-47.60	1,581.52	4,274.07	2,333.73	2,248.64	85.09	27.428		
8,550.00	7,593.09	7,700.13	6,009.73	61.29	98.55	-47.92	1,583.38	4,278.97	2,341.52	2,257.78	83.74	27.961		
8,600.00	7,608.07	7,703.56	6,012.20	61.07	98.60	-47.94	1,584.22	4,281.19	2,349.11	2,266.54	82.57	28.449		
8,650.00	7,619.23	7,702.83	6,011.67	60.84	98.59	-47.69	1,584.04	4,280.72	2,356.46	2,274.97	81.50	28.915		
8,700.00	7,626.48	7,702.05	6,008.15	60.60	98.58	-47.19	1,582.84	4,277.55	2,363.53	2,282.97	80.55	29.341		
8,750.00	7,629.78	7,688.95	6,001.66	60.35	98.38	-46.47	1,580.64	4,271.72	2,370.22	2,290.54	79.68	29.747		
8,766.45	7,630.00	7,685.10	5,998.89	60.27	98.32	-46.19	1,579.69	4,269.22	2,372.33	2,292.90	79.43	29.868		
8,800.00	7,630.00	7,676.80	5,992.91	60.10	98.19	-45.99	1,577.66	4,263.84	2,376.79	2,297.83	78.96	30.101		
8,900.00	7,630.00	7,652.06	5,975.08	59.61	97.81	-45.41	1,571.59	4,247.80	2,392.66	2,314.71	77.95	30.695		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
9,000.00	7,630.00	7,627.33	5,957.26	59.15	97.43	-44.83	1,565.53	4,231.76	2,412.33	2,334.83	77.50	31.127		
9,100.00	7,630.00	7,602.60	5,939.43	58.71	97.05	-44.25	1,559.46	4,215.72	2,435.69	2,358.10	77.58	31.394		
9,200.00	7,630.00	7,577.86	5,921.61	58.30	96.67	-43.67	1,553.40	4,199.68	2,462.64	2,384.48	78.16	31.508		
9,300.00	7,630.00	7,553.13	5,903.78	57.91	96.28	-43.09	1,547.34	4,183.64	2,493.07	2,413.90	79.17	31.489		
9,400.00	7,630.00	7,528.39	5,885.95	57.54	95.90	-42.51	1,541.27	4,167.60	2,526.85	2,446.30	80.55	31.368		
9,500.00	7,630.00	7,503.66	5,868.13	57.19	95.52	-41.93	1,535.21	4,151.56	2,563.85	2,481.61	82.24	31.175		
9,600.00	7,630.00	7,478.92	5,850.30	56.87	95.14	-41.35	1,529.14	4,135.52	2,603.93	2,519.78	84.16	30.940		
9,700.00	7,630.00	7,454.19	5,832.48	56.57	94.76	-40.78	1,523.08	4,119.48	2,646.96	2,560.70	86.25	30.688		
9,800.00	7,630.00	7,429.45	5,814.65	56.30	94.38	-40.20	1,517.02	4,103.44	2,692.78	2,604.32	88.46	30.439		
9,900.00	7,630.00	7,404.72	5,796.83	56.05	94.00	-39.63	1,510.95	4,087.40	2,741.27	2,650.52	90.75	30.208		
10,000.00	7,630.00	7,379.98	5,779.00	55.82	93.62	-39.06	1,504.89	4,071.36	2,792.27	2,699.21	93.06	30.006		
10,100.00	7,630.00	7,355.25	5,761.18	55.63	93.23	-38.49	1,498.82	4,055.32	2,845.66	2,750.30	95.36	29.840		
10,200.00	7,630.00	7,330.51	5,743.35	55.46	92.85	-37.93	1,492.76	4,039.28	2,901.31	2,803.66	97.64	29.713		
10,300.00	7,630.00	7,305.78	5,725.52	55.32	92.47	-37.36	1,486.70	4,023.24	2,959.08	2,859.21	99.87	29.629		
10,400.00	7,630.00	7,281.05	5,707.70	55.22	92.09	-36.80	1,480.63	4,007.20	3,018.86	2,916.82	102.03	29.587		
10,500.00	7,630.00	11,850.23	7,480.00	55.15	121.79	-87.20	-458.39	5,593.40	3,032.85	2,937.63	95.22	31.850		
10,600.00	7,630.00	11,950.23	7,480.00	55.14	121.71	-87.20	-558.39	5,593.06	3,032.85	2,936.32	96.53	31.418		
10,700.00	7,630.00	12,050.23	7,480.00	55.18	121.64	-87.20	-658.39	5,592.72	3,032.85	2,934.89	97.95	30.962		
10,800.00	7,630.00	12,150.23	7,480.00	55.28	121.58	-87.20	-758.39	5,592.39	3,032.85	2,933.37	99.48	30.487		
10,900.00	7,630.00	12,250.23	7,480.00	55.47	121.54	-87.20	-858.38	5,592.05	3,032.85	2,931.74	101.10	29.997		
11,000.00	7,630.00	12,350.23	7,480.00	55.74	121.51	-87.20	-958.38	5,591.71	3,032.85	2,930.02	102.83	29.495		
11,100.00	7,630.00	12,450.23	7,480.00	56.11	121.49	-87.20	-1,058.38	5,591.38	3,032.85	2,928.21	104.64	28.985		
11,200.00	7,630.00	12,550.23	7,480.00	56.60	121.48	-87.20	-1,158.38	5,591.04	3,032.85	2,926.31	106.54	28.468		
11,300.00	7,630.00	12,650.23	7,480.00	57.20	121.49	-87.20	-1,258.38	5,590.70	3,032.85	2,924.33	108.51	27.949		
11,400.00	7,630.00	12,750.23	7,480.00	57.91	121.51	-87.20	-1,358.38	5,590.37	3,032.85	2,922.28	110.57	27.429		
11,500.00	7,630.00	12,850.23	7,480.00	58.72	121.54	-87.20	-1,458.38	5,590.03	3,032.85	2,920.15	112.70	26.911		
11,600.00	7,630.00	12,950.23	7,480.00	59.63	121.60	-87.20	-1,558.38	5,589.69	3,032.85	2,917.95	114.89	26.397		
11,700.00	7,630.00	13,050.23	7,480.00	60.61	121.66	-87.20	-1,658.38	5,589.36	3,032.85	2,915.69	117.16	25.887		
11,800.00	7,630.00	13,150.23	7,480.00	61.67	121.74	-87.20	-1,758.38	5,589.02	3,032.85	2,913.37	119.48	25.384		
11,900.00	7,630.00	13,250.23	7,480.00	62.78	121.84	-87.20	-1,858.38	5,588.69	3,032.85	2,910.99	121.86	24.888		
12,000.00	7,630.00	13,350.23	7,480.00	63.95	121.95	-87.20	-1,958.38	5,588.35	3,032.85	2,908.55	124.29	24.401		
12,100.00	7,630.00	13,450.23	7,480.00	65.16	122.09	-87.20	-2,058.38	5,588.01	3,032.85	2,906.07	126.78	23.922		
12,200.00	7,630.00	13,550.23	7,480.00	66.41	122.24	-87.20	-2,158.38	5,587.68	3,032.85	2,903.53	129.31	23.454		
12,300.00	7,630.00	13,650.23	7,480.00	67.68	122.40	-87.20	-2,258.38	5,587.34	3,032.85	2,900.95	131.89	22.995		
12,400.00	7,630.00	13,750.23	7,480.00	68.99	122.59	-87.20	-2,358.38	5,587.00	3,032.85	2,898.33	134.52	22.546		
12,500.00	7,630.00	13,850.23	7,480.00	70.33	122.80	-87.20	-2,458.38	5,586.67	3,032.85	2,895.67	137.18	22.109		
12,600.00	7,630.00	13,950.23	7,480.00	71.68	123.02	-87.20	-2,558.38	5,586.33	3,032.85	2,892.97	139.88	21.682		
12,700.00	7,630.00	14,050.23	7,480.00	73.06	123.27	-87.20	-2,658.37	5,585.99	3,032.85	2,890.23	142.62	21.266		
12,800.00	7,630.00	14,150.23	7,480.00	74.45	123.54	-87.20	-2,758.37	5,585.66	3,032.85	2,887.46	145.39	20.860		
12,900.00	7,630.00	14,250.23	7,480.00	75.87	123.83	-87.20	-2,858.37	5,585.32	3,032.85	2,884.66	148.19	20.466		
13,000.00	7,630.00	14,350.23	7,480.00	77.29	124.15	-87.20	-2,958.37	5,584.98	3,032.85	2,881.82	151.02	20.082		
13,100.00	7,630.00	14,450.23	7,480.00	78.74	124.48	-87.20	-3,058.37	5,584.65	3,032.85	2,878.96	153.89	19.708		
13,200.00	7,630.00	14,550.23	7,480.00	80.19	124.85	-87.20	-3,158.37	5,584.31	3,032.85	2,876.07	156.77	19.345		
13,300.00	7,630.00	14,650.23	7,480.00	81.66	125.24	-87.20	-3,258.37	5,583.97	3,032.85	2,873.16	159.69	18.992		
13,400.00	7,630.00	14,750.23	7,480.00	83.14	125.65	-87.20	-3,358.37	5,583.64	3,032.85	2,870.22	162.63	18.649		
13,500.00	7,630.00	14,850.23	7,480.00	84.63	126.09	-87.20	-3,458.37	5,583.30	3,032.85	2,867.26	165.59	18.315		
13,600.00	7,630.00	14,950.23	7,480.00	86.14	126.56	-87.20	-3,558.37	5,582.96	3,032.85	2,864.27	168.57	17.991		
13,700.00	7,630.00	15,050.23	7,480.00	87.65	127.06	-87.20	-3,658.37	5,582.63	3,032.85	2,861.27	171.58	17.676		
13,800.00	7,630.00	15,150.23	7,480.00	89.17	127.59	-87.20	-3,758.37	5,582.29	3,032.85	2,858.24	174.60	17.370		
13,900.00	7,630.00	15,250.23	7,480.00	90.70	128.14	-87.20	-3,858.37	5,581.95	3,032.85	2,855.20	177.65	17.072		
14,000.00	7,630.00	15,350.23	7,480.00	92.24	128.73	-87.20	-3,958.37	5,581.62	3,032.85	2,852.14	180.71	16.783		
14,100.00	7,630.00	15,450.23	7,480.00	93.78	129.34	-87.20	-4,058.37	5,581.28	3,032.85	2,849.06	183.78	16.502		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
14,200.00	7,630.00	15,550.23	7,480.00	95.33	129.99	-87.20	-4,158.37	5,580.94	3,032.85	2,845.97	186.88	16.229		
14,300.00	7,630.00	15,650.23	7,480.00	96.89	130.67	-87.20	-4,258.37	5,580.61	3,032.85	2,842.86	189.98	15.964		
14,400.00	7,630.00	15,750.23	7,480.00	98.46	131.37	-87.20	-4,358.36	5,580.27	3,032.85	2,839.74	193.11	15.705		
14,500.00	7,630.00	15,850.23	7,480.00	100.03	132.11	-87.20	-4,458.36	5,579.94	3,032.85	2,836.60	196.24	15.454		
14,600.00	7,630.00	15,950.23	7,480.00	101.61	132.88	-87.20	-4,558.36	5,579.60	3,032.84	2,833.45	199.39	15.210		
14,700.00	7,630.00	16,050.23	7,480.00	103.20	133.68	-87.20	-4,658.36	5,579.26	3,032.84	2,830.29	202.56	14.973		
14,800.00	7,630.00	16,150.23	7,480.00	104.78	134.50	-87.20	-4,758.36	5,578.93	3,032.84	2,827.11	205.73	14.742		
14,900.00	7,630.00	16,250.23	7,480.00	106.38	135.36	-87.20	-4,858.36	5,578.59	3,032.84	2,823.93	208.92	14.517		
15,000.00	7,630.00	16,350.23	7,480.00	107.98	136.25	-87.20	-4,958.36	5,578.25	3,032.84	2,820.73	212.11	14.298		
15,100.00	7,630.00	16,450.23	7,480.00	109.58	137.17	-87.20	-5,058.36	5,577.92	3,032.84	2,817.53	215.32	14.085		
15,200.00	7,630.00	16,550.23	7,480.00	111.19	138.11	-87.20	-5,158.36	5,577.58	3,032.84	2,814.31	218.54	13.878		
15,300.00	7,630.00	16,650.23	7,480.00	112.81	139.08	-87.20	-5,258.36	5,577.24	3,032.84	2,811.08	221.76	13.676		
15,400.00	7,630.00	16,750.23	7,480.00	114.42	140.08	-87.20	-5,358.36	5,576.91	3,032.84	2,807.85	225.00	13.479		
15,500.00	7,630.00	16,850.23	7,480.00	116.05	141.11	-87.20	-5,458.36	5,576.57	3,032.84	2,804.60	228.24	13.288		
15,600.00	7,630.00	16,950.23	7,480.00	117.67	142.16	-87.20	-5,558.36	5,576.23	3,032.84	2,801.35	231.49	13.101		
15,700.00	7,630.00	17,050.23	7,480.00	119.30	143.23	-87.20	-5,658.36	5,575.90	3,032.84	2,798.09	234.76	12.919		
15,800.00	7,630.00	17,150.23	7,480.00	120.93	144.33	-87.20	-5,758.36	5,575.56	3,032.84	2,794.82	238.02	12.742		
15,900.00	7,630.00	17,250.23	7,480.00	122.57	145.46	-87.20	-5,858.36	5,575.22	3,032.84	2,791.54	241.30	12.569		
16,000.00	7,630.00	17,350.23	7,480.00	124.21	146.60	-87.20	-5,958.36	5,574.89	3,032.84	2,788.26	244.58	12.400		
16,100.00	7,630.00	17,450.23	7,480.00	125.85	147.77	-87.20	-6,058.36	5,574.55	3,032.84	2,784.97	247.87	12.236		
16,200.00	7,630.00	17,550.23	7,480.00	127.50	148.96	-87.20	-6,158.35	5,574.21	3,032.84	2,781.68	251.17	12.075		
16,300.00	7,630.00	17,650.23	7,480.00	129.15	150.16	-87.20	-6,258.35	5,573.88	3,032.84	2,778.37	254.47	11.918		
16,400.00	7,630.00	17,750.23	7,480.00	130.80	151.39	-87.20	-6,358.35	5,573.54	3,032.84	2,775.06	257.78	11.765		
16,500.00	7,630.00	17,850.23	7,480.00	132.46	152.64	-87.20	-6,458.35	5,573.20	3,032.84	2,771.75	261.09	11.616		
16,600.00	7,630.00	17,950.23	7,480.00	134.11	153.90	-87.20	-6,558.35	5,572.87	3,032.84	2,768.43	264.41	11.470		
16,700.00	7,630.00	18,050.23	7,480.00	135.77	155.18	-87.20	-6,658.35	5,572.53	3,032.84	2,765.11	267.74	11.328		
16,800.00	7,630.00	18,150.23	7,480.00	137.43	156.47	-87.20	-6,758.35	5,572.19	3,032.84	2,761.77	271.07	11.188		
16,900.00	7,630.00	18,250.23	7,480.00	139.10	157.78	-87.20	-6,858.35	5,571.86	3,032.84	2,758.44	274.40	11.052		
17,000.00	7,630.00	18,350.23	7,480.00	140.77	159.11	-87.20	-6,958.35	5,571.52	3,032.84	2,755.10	277.74	10.920		
17,100.00	7,630.00	18,450.23	7,480.00	142.44	160.45	-87.20	-7,058.35	5,571.19	3,032.84	2,751.75	281.09	10.790		
17,200.00	7,630.00	18,550.23	7,480.00	144.11	161.80	-87.20	-7,158.35	5,570.85	3,032.84	2,748.40	284.44	10.663		
17,300.00	7,630.00	18,650.23	7,480.00	145.78	163.17	-87.20	-7,258.35	5,570.51	3,032.84	2,745.05	287.79	10.538		
17,400.00	7,630.00	18,750.23	7,480.00	147.46	164.55	-87.20	-7,358.35	5,570.18	3,032.84	2,741.69	291.15	10.417		
17,500.00	7,630.00	18,850.23	7,480.00	149.13	165.94	-87.20	-7,458.35	5,569.84	3,032.84	2,738.33	294.51	10.298		
17,600.00	7,630.00	18,950.23	7,480.00	150.81	167.34	-87.20	-7,558.35	5,569.50	3,032.84	2,734.96	297.88	10.181		
17,700.00	7,630.00	19,050.23	7,480.00	152.49	168.75	-87.20	-7,658.35	5,569.17	3,032.84	2,731.59	301.25	10.068		
17,800.00	7,630.00	19,150.23	7,480.00	154.18	170.17	-87.20	-7,758.35	5,568.83	3,032.84	2,728.22	304.62	9.956		
17,900.00	7,630.00	19,250.23	7,480.00	155.86	171.61	-87.20	-7,858.35	5,568.49	3,032.84	2,724.84	308.00	9.847		
18,000.00	7,630.00	19,350.23	7,480.00	157.55	173.05	-87.20	-7,958.34	5,568.16	3,032.84	2,721.46	311.38	9.740		
18,100.00	7,630.00	19,450.23	7,480.00	159.24	174.50	-87.20	-8,058.34	5,567.82	3,032.84	2,718.08	314.76	9.635		
18,200.00	7,630.00	19,550.23	7,480.00	160.92	175.96	-87.20	-8,158.34	5,567.48	3,032.84	2,714.69	318.15	9.533		
18,300.00	7,630.00	19,650.23	7,480.00	162.62	177.43	-87.20	-8,258.34	5,567.15	3,032.84	2,711.30	321.54	9.432		
18,400.00	7,630.00	19,750.23	7,480.00	164.31	178.91	-87.20	-8,358.34	5,566.81	3,032.84	2,707.91	324.93	9.334		
18,453.51	7,630.00	19,803.75	7,480.00	165.21	179.70	-87.20	-8,411.85	5,566.63	3,032.84	2,706.09	326.75	9.282		
18,458.39	7,630.00	19,796.12	7,480.00	165.30	179.59	-87.20	-8,404.22	5,566.66	3,032.87	2,705.79	327.07	9.273 SF		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	2.00	-2.00	0.00	0.00	90.42	-0.73	99.96	99.96					
100.00	100.00	98.00	98.00	0.13	0.13	90.42	-0.73	99.96	99.96	99.70	0.27	375.569	CC, ES	
200.00	200.00	194.85	194.84	0.49	0.47	90.11	-0.20	101.44	101.49	100.52	0.97	104.465		
300.00	300.00	291.43	291.28	0.85	0.83	89.24	1.41	105.99	106.21	104.53	1.68	63.147		
400.00	400.00	387.57	387.08	1.21	1.18	87.93	4.10	113.55	114.15	111.76	2.39	47.741		
500.00	500.00	483.06	481.92	1.57	1.56	86.39	7.83	124.06	125.34	122.24	3.10	40.466		
600.00	600.00	577.71	575.50	1.93	1.96	84.77	12.57	137.41	139.80	136.01	3.80	36.798		
700.00	700.00	671.31	667.53	2.29	2.38	83.21	18.27	153.47	157.53	153.03	4.50	35.043		
800.00	800.00	763.70	757.78	2.64	2.82	81.77	24.88	172.09	178.47	173.29	5.18	34.429		
900.00	900.00	854.70	846.00	3.00	3.29	80.49	32.34	193.10	202.58	196.71	5.86	34.545		
1,000.00	1,000.00	944.17	932.01	3.36	3.79	79.37	40.58	216.32	229.78	223.25	6.53	35.172		
1,100.00	1,100.00	1,031.98	1,015.62	3.72	4.32	78.41	49.55	241.56	259.99	252.80	7.19	36.168		
1,200.00	1,199.98	1,118.51	1,097.18	4.07	4.88	76.36	59.21	268.79	291.65	283.82	7.83	37.246		
1,300.00	1,299.84	1,204.24	1,177.10	4.43	5.47	75.72	69.60	298.04	323.19	314.73	8.46	38.204		
1,400.00	1,399.45	1,289.20	1,255.34	4.79	6.10	75.34	80.67	329.24	354.57	345.48	9.09	39.015		
1,500.00	1,498.70	1,373.40	1,331.88	5.15	6.78	75.14	92.41	362.30	385.74	376.02	9.72	39.697		
1,600.00	1,597.47	1,456.87	1,406.71	5.53	7.49	75.08	104.79	397.16	416.67	406.32	10.35	40.266		
1,700.00	1,695.62	1,539.62	1,479.79	5.93	8.24	75.14	117.77	433.72	447.35	436.36	10.98	40.731		
1,800.00	1,793.06	1,621.68	1,551.12	6.35	9.02	75.27	131.33	471.93	477.76	466.13	11.63	41.097		
1,900.00	1,889.64	1,703.05	1,620.69	6.79	9.84	75.48	145.46	511.71	507.88	495.60	12.28	41.367		
2,000.00	1,985.27	1,783.76	1,688.48	7.27	10.71	75.73	160.11	552.99	537.72	524.77	12.95	41.534		
2,100.00	2,079.82	1,863.84	1,754.49	7.79	11.62	76.04	175.28	595.70	567.27	553.63	13.64	41.604		
2,200.00	2,173.17	1,943.29	1,818.71	8.36	12.57	76.37	190.93	639.78	596.51	582.16	14.35	41.576		
2,300.00	2,265.21	2,022.14	1,881.13	8.97	13.55	76.74	207.04	685.18	625.46	610.37	15.09	41.450		
2,400.00	2,355.84	2,100.00	1,941.45	9.64	14.55	77.13	223.52	731.57	654.10	638.24	15.86	41.242		
2,500.00	2,444.94	2,178.11	2,000.59	10.36	15.62	77.54	240.58	779.65	682.43	665.74	16.69	40.893		
2,591.69	2,525.19	2,248.88	2,052.96	11.07	16.62	77.94	256.51	824.50	708.13	690.65	17.48	40.503		
2,600.00	2,532.40	2,255.26	2,057.63	11.14	16.72	77.99	257.97	828.61	710.46	692.91	17.56	40.470		
2,700.00	2,619.15	2,341.44	2,119.94	11.96	17.98	78.73	277.88	884.70	739.55	720.93	18.62	39.711		
2,800.00	2,705.89	2,436.51	2,188.51	12.81	19.39	79.49	299.92	946.76	769.06	749.18	19.87	38.695		
2,900.00	2,792.64	2,531.58	2,257.09	13.67	20.80	80.19	321.95	1,008.82	798.67	777.51	21.16	37.741		
3,000.00	2,879.39	2,626.66	2,325.66	14.55	22.23	80.83	343.98	1,070.88	828.39	805.91	22.48	36.850		
3,100.00	2,966.14	2,721.73	2,394.23	15.44	23.66	81.44	366.02	1,132.93	858.21	834.38	23.83	36.018		
3,200.00	3,052.88	2,816.80	2,462.80	16.34	25.10	82.00	388.05	1,194.99	888.10	862.90	25.20	35.244		
3,300.00	3,139.63	2,911.87	2,531.37	17.25	26.54	82.53	410.08	1,257.05	918.06	891.47	26.59	34.523		
3,400.00	3,226.38	3,006.95	2,599.94	18.17	27.98	83.02	432.12	1,319.11	948.10	920.09	28.01	33.852		
3,500.00	3,313.12	3,102.02	2,668.51	19.09	29.43	83.49	454.15	1,381.17	978.19	948.75	29.44	33.226		
3,600.00	3,399.87	3,197.09	2,737.08	20.02	30.88	83.92	476.18	1,443.23	1,008.34	977.45	30.89	32.642		
3,700.00	3,486.62	3,292.16	2,805.65	20.96	32.33	84.33	498.22	1,505.29	1,038.54	1,006.18	32.36	32.098		
3,800.00	3,573.37	3,387.24	2,874.23	21.90	33.78	84.72	520.25	1,567.35	1,068.78	1,034.95	33.83	31.589		
3,900.00	3,660.11	3,482.31	2,942.80	22.84	35.24	85.09	542.28	1,629.41	1,099.07	1,063.75	35.32	31.114		
4,000.00	3,746.86	3,577.38	3,011.37	23.78	36.69	85.44	564.32	1,691.47	1,129.40	1,092.57	36.83	30.668		
4,100.00	3,833.61	3,672.45	3,079.94	24.73	38.15	85.76	586.35	1,753.53	1,159.76	1,121.42	38.34	30.250		
4,200.00	3,920.35	3,767.53	3,148.51	25.68	39.61	86.08	608.38	1,815.58	1,190.15	1,150.29	39.86	29.857		
4,300.00	4,007.10	3,862.60	3,217.08	26.63	41.07	86.37	630.41	1,877.64	1,220.58	1,179.19	41.39	29.488		
4,400.00	4,093.85	3,957.67	3,285.65	27.59	42.53	86.66	652.45	1,939.70	1,251.03	1,208.10	42.93	29.141		
4,500.00	4,180.60	4,052.74	3,354.22	28.55	43.99	86.92	674.48	2,001.76	1,281.51	1,237.04	44.48	28.813		
4,600.00	4,267.34	4,147.82	3,422.79	29.50	45.45	87.18	696.51	2,063.82	1,312.02	1,265.99	46.03	28.504		
4,700.00	4,354.09	4,242.89	3,491.36	30.46	46.91	87.43	718.55	2,125.88	1,342.55	1,294.96	47.59	28.211		
4,800.00	4,440.84	4,337.96	3,559.94	31.42	48.38	87.66	740.58	2,187.94	1,373.09	1,323.94	49.15	27.934		
4,900.00	4,527.58	4,433.03	3,628.51	32.39	49.84	87.88	762.61	2,250.00	1,403.66	1,352.94	50.73	27.672		
5,000.00	4,614.33	4,528.11	3,697.08	33.35	51.30	88.10	784.65	2,312.06	1,434.25	1,381.95	52.30	27.423		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,701.08	4,623.18	3,765.65	34.31	52.77	38.30	806.68	2,374.12	1,464.86	1,410.97	53.88	27.187		
5,200.00	4,787.82	4,718.25	3,834.22	35.28	54.23	38.50	828.71	2,436.18	1,495.48	1,440.01	55.47	26.962		
5,300.00	4,874.57	4,813.32	3,902.79	36.25	55.70	38.69	850.75	2,498.23	1,526.11	1,469.06	57.06	26.748		
5,400.00	4,961.32	4,908.40	3,971.36	37.21	57.16	38.87	872.78	2,560.29	1,556.77	1,498.12	58.65	26.544		
5,500.00	5,048.07	5,003.47	4,039.93	38.18	58.63	39.05	894.81	2,622.35	1,587.43	1,527.19	60.25	26.349		
5,600.00	5,134.81	5,101.46	4,108.50	39.15	60.14	39.21	916.85	2,684.41	1,618.11	1,556.24	61.87	26.154		
5,700.00	5,221.56	5,206.39	4,177.08	40.12	61.76	39.38	938.88	2,746.47	1,648.80	1,585.24	63.55	25.943		
5,800.00	5,308.31	5,288.69	4,245.65	41.09	63.03	39.53	960.91	2,808.53	1,679.50	1,614.45	65.05	25.817		
5,900.00	5,395.05	5,383.76	4,314.22	42.06	64.50	39.68	982.95	2,870.59	1,710.21	1,643.55	66.66	25.654		
6,000.00	5,481.80	5,478.83	4,382.79	43.03	65.96	39.83	1,004.98	2,932.65	1,740.94	1,672.66	68.28	25.499		
6,100.00	5,568.55	5,573.90	4,451.36	44.00	67.43	39.97	1,027.01	2,994.71	1,771.67	1,701.78	69.89	25.349		
6,200.00	5,655.30	5,668.98	4,519.93	44.97	68.90	40.10	1,049.05	3,056.77	1,802.41	1,730.90	71.51	25.206		
6,300.00	5,742.04	5,764.05	4,588.50	45.94	70.37	40.23	1,071.08	3,118.83	1,833.16	1,760.04	73.13	25.069		
6,400.00	5,828.79	5,859.12	4,657.07	46.92	71.84	40.36	1,093.11	3,180.88	1,863.92	1,789.17	74.75	24.937		
6,500.00	5,915.54	5,954.19	4,725.64	47.89	73.30	40.48	1,115.15	3,242.94	1,894.69	1,818.32	76.37	24.809		
6,600.00	6,002.28	6,049.27	4,794.21	48.86	74.77	40.60	1,137.18	3,305.00	1,925.46	1,847.47	77.99	24.687		
6,700.00	6,089.03	6,144.34	4,862.79	49.83	76.24	40.72	1,159.21	3,367.06	1,956.24	1,876.62	79.62	24.569		
6,800.00	6,175.78	6,239.41	4,931.36	50.81	77.71	40.83	1,181.25	3,429.12	1,987.03	1,905.78	81.25	24.456		
6,900.00	6,262.53	6,334.48	4,999.93	51.78	79.18	40.93	1,203.28	3,491.18	2,017.83	1,934.95	82.88	24.346		
7,000.00	6,349.27	6,429.56	5,068.50	52.76	80.65	41.04	1,225.31	3,553.24	2,048.63	1,964.12	84.51	24.241		
7,100.00	6,436.02	6,524.63	5,137.07	53.73	82.12	41.14	1,247.35	3,615.30	2,079.44	1,993.29	86.15	24.139		
7,200.00	6,522.77	6,619.70	5,205.64	54.71	83.59	41.24	1,269.38	3,677.36	2,110.25	2,022.47	87.78	24.040		
7,300.00	6,609.51	6,714.77	5,274.21	55.68	85.06	41.33	1,291.41	3,739.42	2,141.07	2,051.65	89.42	23.945		
7,400.00	6,696.26	6,809.85	5,342.78	56.66	86.53	41.43	1,313.45	3,801.48	2,171.89	2,080.84	91.05	23.853		
7,500.00	6,783.01	6,904.92	5,411.35	57.63	88.00	41.52	1,335.48	3,863.53	2,202.72	2,110.03	92.69	23.764		
7,600.00	6,869.76	7,000.01	5,479.93	58.61	89.47	41.61	1,357.51	3,925.59	2,233.56	2,139.22	94.33	23.677		
7,683.49	6,942.18	7,079.37	5,537.18	59.42	90.69	41.68	1,375.91	3,977.41	2,259.30	2,163.60	95.70	23.607		
7,700.00	6,956.57	7,104.92	5,548.51	59.58	91.09	39.78	1,379.55	3,987.66	2,264.37	2,168.32	96.05	23.575		
7,750.00	7,000.85	7,142.72	5,582.87	60.04	91.67	32.91	1,390.59	4,018.76	2,279.36	2,182.73	96.63	23.589		
7,800.00	7,045.94	7,209.82	5,617.10	60.46	92.71	24.41	1,401.59	4,049.74	2,293.74	2,196.47	97.27	23.582		
7,850.00	7,091.49	7,237.09	5,650.93	60.84	93.13	14.66	1,412.46	4,080.36	2,307.44	2,210.06	97.37	23.697		
7,900.00	7,137.15	7,283.09	5,684.11	61.17	93.84	4.43	1,423.12	4,110.39	2,320.40	2,222.96	97.44	23.813		
7,950.00	7,182.58	7,327.84	5,716.39	61.44	94.53	-5.37	1,433.49	4,139.60	2,332.62	2,235.30	97.32	23.968		
8,000.00	7,227.43	7,371.00	5,747.51	61.67	95.20	-14.07	1,443.49	4,167.77	2,344.09	2,247.08	97.01	24.164		
8,050.00	7,271.36	7,412.23	5,777.25	61.84	95.84	-21.41	1,453.05	4,194.69	2,354.83	2,258.31	96.51	24.399		
8,100.00	7,314.04	7,451.23	5,805.38	61.96	96.44	-27.41	1,462.09	4,220.14	2,364.87	2,269.02	95.85	24.673		
8,150.00	7,355.14	7,487.69	5,831.68	62.04	97.01	-32.25	1,470.54	4,243.94	2,374.28	2,279.25	95.03	24.985		
8,200.00	7,394.34	7,521.34	5,855.95	62.07	97.53	-36.13	1,478.34	4,265.91	2,383.09	2,289.02	94.07	25.333		
8,250.00	7,431.36	7,551.92	5,878.01	62.06	98.00	-39.24	1,485.42	4,285.87	2,391.39	2,298.40	92.99	25.717		
8,300.00	7,465.90	7,579.21	5,897.68	62.01	98.42	-41.72	1,491.75	4,303.68	2,399.24	2,307.42	91.81	26.132		
8,350.00	7,497.71	7,602.98	5,914.83	61.93	98.79	-43.67	1,497.26	4,319.20	2,406.68	2,316.12	90.56	26.575		
8,400.00	7,526.53	7,623.07	5,929.32	61.81	99.10	-45.18	1,501.91	4,332.31	2,413.79	2,324.53	89.26	27.041		
8,450.00	7,552.17	7,639.31	5,941.04	61.66	99.35	-46.31	1,505.68	4,342.92	2,420.60	2,332.65	87.94	27.524		
8,500.00	7,574.41	7,651.59	5,949.89	61.48	99.54	-47.09	1,508.52	4,350.93	2,427.13	2,340.50	86.63	28.017		
8,550.00	7,593.09	7,659.82	5,955.82	61.29	99.67	-47.56	1,510.43	4,356.30	2,433.41	2,348.06	85.35	28.512		
8,600.00	7,608.07	7,663.92	5,958.78	61.07	99.73	-47.74	1,511.38	4,358.97	2,439.42	2,355.31	84.12	29.000		
8,650.00	7,619.23	7,663.86	5,958.74	60.84	99.73	-47.67	1,511.37	4,358.94	2,445.16	2,362.19	82.97	29.471		
8,700.00	7,626.48	7,659.66	5,955.71	60.60	99.67	-47.36	1,510.39	4,356.19	2,450.56	2,368.65	81.91	29.917		
8,750.00	7,629.78	7,651.33	5,949.70	60.35	99.54	-46.82	1,508.46	4,350.76	2,455.58	2,374.62	80.96	30.329		
8,766.45	7,630.00	7,647.70	5,947.09	60.27	99.48	-46.60	1,507.62	4,348.39	2,457.13	2,376.46	80.68	30.456		
8,800.00	7,630.00	7,639.85	5,941.43	60.10	99.36	-46.42	1,505.80	4,343.27	2,460.47	2,380.33	80.14	30.704		
8,900.00	7,630.00	7,616.46	5,924.55	59.61	99.00	-45.89	1,500.38	4,328.00	2,472.92	2,394.04	78.88	31.351		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
9,000.00	7,630.00	7,606.94	5,907.68	59.15	98.85	-45.36	1,494.96	4,312.73	2,489.11	2,410.87	78.24	31.813		
9,100.00	7,630.00	7,569.67	5,890.81	58.71	98.27	-44.83	1,489.54	4,297.45	2,508.97	2,431.01	77.96	32.182		
9,200.00	7,630.00	7,546.27	5,873.93	58.30	97.91	-44.30	1,484.12	4,282.18	2,532.41	2,454.15	78.26	32.357		
9,300.00	7,630.00	7,522.88	5,857.06	57.91	97.55	-43.77	1,478.69	4,266.91	2,559.33	2,480.31	79.02	32.389		
9,400.00	7,630.00	7,499.49	5,840.18	57.54	97.19	-43.24	1,473.27	4,251.64	2,589.62	2,509.45	80.17	32.300		
9,500.00	7,630.00	7,476.09	5,823.31	57.19	96.83	-42.71	1,467.85	4,236.37	2,623.17	2,541.51	81.66	32.121		
9,600.00	7,630.00	7,452.70	5,806.44	56.87	96.46	-42.18	1,462.43	4,221.10	2,659.85	2,576.42	83.43	31.882		
9,700.00	7,630.00	7,429.30	5,789.56	56.57	96.10	-41.65	1,457.01	4,205.83	2,699.54	2,614.13	85.40	31.609		
9,800.00	7,630.00	7,405.91	5,772.69	56.30	95.74	-41.13	1,451.58	4,190.56	2,742.10	2,654.56	87.54	31.325		
9,900.00	7,630.00	7,382.51	5,755.82	56.05	95.38	-40.60	1,446.16	4,175.29	2,787.40	2,697.63	89.77	31.049		
10,000.00	7,630.00	7,359.12	5,738.94	55.82	95.02	-40.08	1,440.74	4,160.01	2,835.31	2,743.24	92.07	30.794		
10,100.00	7,630.00	7,335.72	5,722.07	55.63	94.66	-39.56	1,435.32	4,144.74	2,885.71	2,791.31	94.40	30.570		
10,200.00	7,630.00	7,312.33	5,705.20	55.46	94.29	-39.03	1,429.90	4,129.47	2,938.46	2,841.74	96.71	30.383		
10,300.00	7,630.00	7,288.93	5,688.32	55.32	93.93	-38.51	1,424.48	4,114.20	2,993.43	2,894.43	99.00	30.237		
10,400.00	7,630.00	7,265.54	5,671.45	55.22	93.57	-38.00	1,419.05	4,098.93	3,050.52	2,949.28	101.24	30.132		
10,500.00	7,630.00	7,242.14	5,654.58	55.15	93.21	-37.48	1,413.63	4,083.66	3,109.60	3,006.19	103.41	30.069		
10,600.00	7,630.00	7,218.75	5,637.70	55.14	92.85	-36.97	1,408.21	4,068.39	3,170.56	3,065.05	105.51	30.049		
10,700.00	7,630.00	7,204.65	5,620.83	55.18	92.63	-36.45	1,402.79	4,053.12	3,233.29	3,125.68	107.61	30.045		
10,800.00	7,630.00	7,171.96	5,603.96	55.28	92.12	-35.94	1,397.37	4,037.85	3,297.70	3,188.24	109.46	30.126		
10,900.00	7,630.00	7,148.56	5,587.08	55.47	91.76	-35.43	1,391.94	4,022.58	3,363.69	3,252.38	111.31	30.220		
11,000.00	7,630.00	12,740.77	7,730.00	55.74	129.61	-91.72	-959.64	5,951.72	3,390.78	3,290.25	100.53	33.730		
11,100.00	7,630.00	12,840.77	7,730.00	56.11	129.59	-91.72	-1,059.63	5,951.38	3,390.78	3,288.46	102.32	33.140		
11,200.00	7,630.00	12,940.77	7,730.00	56.60	129.59	-91.72	-1,159.63	5,951.04	3,390.78	3,286.58	104.20	32.542		
11,300.00	7,630.00	13,040.77	7,730.00	57.20	129.59	-91.72	-1,259.63	5,950.71	3,390.77	3,284.61	106.16	31.940		
11,400.00	7,630.00	13,140.77	7,730.00	57.91	129.61	-91.72	-1,359.63	5,950.37	3,390.77	3,282.57	108.20	31.337		
11,500.00	7,630.00	13,240.77	7,730.00	58.72	129.64	-91.72	-1,459.63	5,950.03	3,390.77	3,280.45	110.32	30.736		
11,600.00	7,630.00	13,340.77	7,730.00	59.63	129.68	-91.72	-1,559.63	5,949.69	3,390.77	3,278.26	112.51	30.138		
11,700.00	7,630.00	13,440.77	7,730.00	60.61	129.74	-91.72	-1,659.63	5,949.36	3,390.77	3,276.01	114.76	29.546		
11,800.00	7,630.00	13,540.77	7,730.00	61.67	129.81	-91.72	-1,759.63	5,949.02	3,390.77	3,273.69	117.08	28.962		
11,900.00	7,630.00	13,640.77	7,730.00	62.78	129.90	-91.72	-1,859.63	5,948.68	3,390.77	3,271.31	119.45	28.386		
12,000.00	7,630.00	13,740.77	7,730.00	63.95	130.00	-91.72	-1,959.63	5,948.34	3,390.77	3,268.88	121.88	27.819		
12,100.00	7,630.00	13,840.77	7,730.00	65.16	130.12	-91.72	-2,059.63	5,948.01	3,390.76	3,266.40	124.37	27.264		
12,200.00	7,630.00	13,940.77	7,730.00	66.41	130.25	-91.72	-2,159.63	5,947.67	3,390.76	3,263.86	126.90	26.720		
12,300.00	7,630.00	14,040.77	7,730.00	67.68	130.40	-91.72	-2,259.63	5,947.33	3,390.76	3,261.28	129.48	26.187		
12,400.00	7,630.00	14,140.77	7,730.00	68.99	130.56	-91.72	-2,359.63	5,946.99	3,390.76	3,258.66	132.10	25.667		
12,500.00	7,630.00	14,240.77	7,730.00	70.33	130.74	-91.72	-2,459.63	5,946.65	3,390.76	3,255.99	134.77	25.160		
12,600.00	7,630.00	14,340.77	7,730.00	71.68	130.94	-91.72	-2,559.63	5,946.32	3,390.76	3,253.29	137.47	24.665		
12,700.00	7,630.00	14,440.77	7,730.00	73.06	131.16	-91.72	-2,659.63	5,945.98	3,390.76	3,250.55	140.21	24.183		
12,800.00	7,630.00	14,540.77	7,730.00	74.45	131.40	-91.72	-2,759.63	5,945.64	3,390.76	3,247.77	142.98	23.714		
12,900.00	7,630.00	14,640.77	7,730.00	75.87	131.66	-91.72	-2,859.62	5,945.30	3,390.75	3,244.96	145.79	23.258		
13,000.00	7,630.00	14,740.77	7,730.00	77.29	131.93	-91.72	-2,959.62	5,944.97	3,390.75	3,242.12	148.63	22.814		
13,100.00	7,630.00	14,840.77	7,730.00	78.74	132.23	-91.72	-3,059.62	5,944.63	3,390.75	3,239.26	151.49	22.382		
13,200.00	7,630.00	14,940.77	7,730.00	80.19	132.55	-91.72	-3,159.62	5,944.29	3,390.75	3,236.36	154.39	21.963		
13,300.00	7,630.00	15,040.77	7,730.00	81.66	132.89	-91.72	-3,259.62	5,943.95	3,390.75	3,233.44	157.31	21.555		
13,400.00	7,630.00	15,140.77	7,730.00	83.14	133.26	-91.72	-3,359.62	5,943.62	3,390.75	3,230.50	160.25	21.159		
13,500.00	7,630.00	15,240.77	7,730.00	84.63	133.64	-91.72	-3,459.62	5,943.28	3,390.75	3,227.53	163.22	20.774		
13,600.00	7,630.00	15,340.77	7,730.00	86.14	134.05	-91.72	-3,559.62	5,942.94	3,390.75	3,224.54	166.21	20.401		
13,700.00	7,630.00	15,440.77	7,730.00	87.65	134.49	-91.72	-3,659.62	5,942.60	3,390.74	3,221.52	169.22	20.038		
13,800.00	7,630.00	15,540.77	7,730.00	89.17	134.95	-91.72	-3,759.62	5,942.26	3,390.74	3,218.49	172.25	19.685		
13,900.00	7,630.00	15,640.77	7,730.00	90.70	135.43	-91.72	-3,859.62	5,941.93	3,390.74	3,215.44	175.30	19.343		
14,000.00	7,630.00	15,740.77	7,730.00	92.24	135.94	-91.72	-3,959.62	5,941.59	3,390.74	3,212.38	178.36	19.010		
14,100.00	7,630.00	15,840.77	7,730.00	93.78	136.48	-91.72	-4,059.62	5,941.25	3,390.74	3,209.29	181.45	18.687		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
14,200.00	7,630.00	15,940.77	7,730.00	95.33	137.04	-91.72	-4,159.62	5,940.91	3,390.74	3,206.19	184.55	18.373		
14,300.00	7,630.00	16,040.77	7,730.00	96.89	137.63	-91.72	-4,259.62	5,940.58	3,390.74	3,203.08	187.66	18.068		
14,400.00	7,630.00	16,140.77	7,730.00	98.46	138.25	-91.72	-4,359.62	5,940.24	3,390.74	3,199.95	190.79	17.772		
14,500.00	7,630.00	16,240.77	7,730.00	100.03	138.90	-91.72	-4,459.62	5,939.90	3,390.73	3,196.80	193.93	17.484		
14,600.00	7,630.00	16,340.77	7,730.00	101.61	139.57	-91.72	-4,559.61	5,939.56	3,390.73	3,193.64	197.09	17.204		
14,700.00	7,630.00	16,440.77	7,730.00	103.20	140.27	-91.72	-4,659.61	5,939.23	3,390.73	3,190.47	200.26	16.932		
14,800.00	7,630.00	16,540.77	7,730.00	104.78	141.00	-91.72	-4,759.61	5,938.89	3,390.73	3,187.29	203.44	16.667		
14,900.00	7,630.00	16,640.77	7,730.00	106.38	141.76	-91.72	-4,859.61	5,938.55	3,390.73	3,184.10	206.63	16.410		
15,000.00	7,630.00	16,740.77	7,730.00	107.98	142.55	-91.72	-4,959.61	5,938.21	3,390.73	3,180.89	209.83	16.159		
15,100.00	7,630.00	16,840.77	7,730.00	109.58	143.36	-91.72	-5,059.61	5,937.87	3,390.73	3,177.68	213.05	15.915		
15,200.00	7,630.00	16,940.77	7,730.00	111.19	144.20	-91.72	-5,159.61	5,937.54	3,390.73	3,174.46	216.27	15.678		
15,300.00	7,630.00	17,040.77	7,730.00	112.81	145.07	-91.72	-5,259.61	5,937.20	3,390.72	3,171.22	219.50	15.447		
15,400.00	7,630.00	17,140.77	7,730.00	114.42	145.96	-91.72	-5,359.61	5,936.86	3,390.72	3,167.98	222.74	15.223		
15,500.00	7,630.00	17,240.77	7,730.00	116.05	146.88	-91.72	-5,459.61	5,936.52	3,390.72	3,164.73	225.99	15.004		
15,600.00	7,630.00	17,340.77	7,730.00	117.67	147.83	-91.72	-5,559.61	5,936.19	3,390.72	3,161.47	229.25	14.790		
15,700.00	7,630.00	17,440.77	7,730.00	119.30	148.80	-91.72	-5,659.61	5,935.85	3,390.72	3,158.20	232.52	14.583		
15,800.00	7,630.00	17,540.77	7,730.00	120.93	149.80	-91.72	-5,759.61	5,935.51	3,390.72	3,154.92	235.79	14.380		
15,900.00	7,630.00	17,640.77	7,730.00	122.57	150.82	-91.72	-5,859.61	5,935.17	3,390.72	3,151.64	239.08	14.183		
16,000.00	7,630.00	17,740.77	7,730.00	124.21	151.87	-91.72	-5,959.61	5,934.83	3,390.71	3,148.35	242.36	13.990		
16,100.00	7,630.00	17,840.77	7,730.00	125.85	152.93	-91.72	-6,059.61	5,934.50	3,390.71	3,145.05	245.66	13.802		
16,200.00	7,630.00	17,940.77	7,730.00	127.50	154.02	-91.72	-6,159.61	5,934.16	3,390.71	3,141.75	248.96	13.619		
16,300.00	7,630.00	18,040.77	7,730.00	129.15	155.13	-91.72	-6,259.61	5,933.82	3,390.71	3,138.44	252.27	13.441		
16,400.00	7,630.00	18,140.77	7,730.00	130.80	156.27	-91.72	-6,359.60	5,933.48	3,390.71	3,135.13	255.58	13.266		
16,500.00	7,630.00	18,240.77	7,730.00	132.46	157.42	-91.72	-6,459.60	5,933.15	3,390.71	3,131.80	258.90	13.096		
16,600.00	7,630.00	18,340.77	7,730.00	134.11	158.59	-91.72	-6,559.60	5,932.81	3,390.71	3,128.48	262.23	12.930		
16,700.00	7,630.00	18,440.77	7,730.00	135.77	159.78	-91.72	-6,659.60	5,932.47	3,390.71	3,125.14	265.56	12.768		
16,800.00	7,630.00	18,540.77	7,730.00	137.43	160.99	-91.72	-6,759.60	5,932.13	3,390.70	3,121.81	268.90	12.610		
16,900.00	7,630.00	18,640.77	7,730.00	139.10	162.22	-91.72	-6,859.60	5,931.80	3,390.70	3,118.47	272.24	12.455		
17,000.00	7,630.00	18,740.77	7,730.00	140.77	163.46	-91.72	-6,959.60	5,931.46	3,390.70	3,115.12	275.58	12.304		
17,100.00	7,630.00	18,840.77	7,730.00	142.44	164.72	-91.72	-7,059.60	5,931.12	3,390.70	3,111.77	278.93	12.156		
17,200.00	7,630.00	18,940.77	7,730.00	144.11	166.00	-91.72	-7,159.60	5,930.78	3,390.70	3,108.41	282.29	12.011		
17,300.00	7,630.00	19,040.77	7,730.00	145.78	167.29	-91.72	-7,259.60	5,930.44	3,390.70	3,105.05	285.65	11.870		
17,400.00	7,630.00	19,140.77	7,730.00	147.46	168.60	-91.72	-7,359.60	5,930.11	3,390.70	3,101.68	289.01	11.732		
17,500.00	7,630.00	19,240.77	7,730.00	149.13	169.92	-91.72	-7,459.60	5,929.77	3,390.70	3,098.32	292.38	11.597		
17,600.00	7,630.00	19,340.77	7,730.00	150.81	171.25	-91.72	-7,559.60	5,929.43	3,390.69	3,094.94	295.75	11.465		
17,700.00	7,630.00	19,440.77	7,730.00	152.49	172.59	-91.72	-7,659.60	5,929.09	3,390.69	3,091.57	299.13	11.335		
17,800.00	7,630.00	19,540.77	7,730.00	154.18	173.95	-91.72	-7,759.60	5,928.76	3,390.69	3,088.19	302.50	11.209		
17,900.00	7,630.00	19,640.77	7,730.00	155.86	175.32	-91.72	-7,859.60	5,928.42	3,390.69	3,084.80	305.89	11.085		
18,000.00	7,630.00	19,740.77	7,730.00	157.55	176.70	-91.72	-7,959.60	5,928.08	3,390.69	3,081.42	309.27	10.963		
18,100.00	7,630.00	19,840.77	7,730.00	159.24	178.09	-91.72	-8,059.59	5,927.74	3,390.69	3,078.03	312.66	10.845		
18,200.00	7,630.00	19,940.77	7,730.00	160.92	179.50	-91.72	-8,159.59	5,927.41	3,390.69	3,074.63	316.05	10.728		
18,300.00	7,630.00	20,040.77	7,730.00	162.62	180.91	-91.72	-8,259.59	5,927.07	3,390.69	3,071.24	319.45	10.614		
18,400.00	7,630.00	20,140.77	7,730.00	164.31	182.33	-91.72	-8,359.59	5,926.73	3,390.68	3,067.84	322.85	10.503		
18,452.68	7,630.00	20,193.45	7,730.00	165.20	183.08	-91.72	-8,412.27	5,926.55	3,390.68	3,066.05	324.64	10.445		
18,458.39	7,630.00	20,184.95	7,730.00	165.30	182.96	-91.72	-8,403.78	5,926.58	3,390.71	3,065.73	324.98	10.434 SF		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	0.00	0.00	0.00	0.00	-89.31	0.36	-30.24	30.24					
100.00	100.00	100.00	100.00	0.13	0.13	-89.31	0.36	-30.24	30.24	29.97	0.27	112.487		
200.00	200.00	200.00	200.00	0.49	0.49	-89.31	0.36	-30.24	30.24	29.26	0.99	30.678		
300.00	300.00	300.00	300.00	0.85	0.85	-89.31	0.36	-30.24	30.24	28.54	1.70	17.761		
400.00	400.00	400.00	400.00	1.21	1.21	-89.31	0.36	-30.24	30.24	27.82	2.42	12.499		
500.00	500.00	500.00	500.00	1.57	1.57	-89.31	0.36	-30.24	30.24	27.11	3.14	9.642		
600.00	600.00	600.00	600.00	1.93	1.93	-89.31	0.36	-30.24	30.24	26.39	3.85	7.848		
700.00	700.00	700.00	700.00	2.29	2.29	-89.31	0.36	-30.24	30.24	25.67	4.57	6.617		
800.00	800.00	800.00	800.00	2.64	2.64	-89.31	0.36	-30.24	30.24	24.96	5.29	5.720		
900.00	900.00	900.00	900.00	3.00	3.00	-89.31	0.36	-30.24	30.24	24.24	6.00	5.037		
1,000.00	1,000.00	1,000.00	1,000.00	3.36	3.36	-89.31	0.36	-30.24	30.24	23.52	6.72	4.499		
1,100.00	1,100.00	1,100.00	1,100.00	3.72	3.72	-89.31	0.36	-30.24	30.24	22.80	7.44	4.066	CC, ES	
1,200.00	1,199.98	1,200.02	1,199.98	4.07	4.08	-142.38	0.36	-30.24	31.61	23.45	8.15	3.877		
1,300.00	1,299.84	1,300.16	1,299.84	4.43	4.44	-147.44	0.36	-30.24	35.89	27.03	8.86	4.050		
1,400.00	1,399.45	1,399.45	1,399.45	4.79	4.79	-153.55	0.36	-30.24	43.50	33.92	9.57	4.543		
1,500.00	1,498.70	1,500.25	1,500.23	5.15	5.15	-158.19	1.75	-29.17	53.26	42.98	10.29	5.179		
1,600.00	1,597.47	1,601.40	1,601.24	5.53	5.51	-160.69	5.96	-25.90	63.58	52.59	10.99	5.786		
1,700.00	1,695.62	1,702.89	1,702.33	5.93	5.88	-161.89	13.00	-20.43	74.28	62.59	11.69	6.354		
1,800.00	1,793.06	1,804.72	1,803.37	6.35	6.25	-162.25	22.91	-12.75	85.28	72.89	12.39	6.883		
1,900.00	1,889.64	1,906.86	1,904.22	6.79	6.63	-162.06	35.70	-2.83	96.54	83.45	13.09	7.375		
2,000.00	1,985.27	2,009.32	2,004.74	7.27	7.02	-161.48	51.37	9.33	108.06	94.26	13.80	7.832		
2,100.00	2,079.82	2,112.09	2,104.78	7.79	7.44	-160.62	69.93	23.73	119.84	105.33	14.52	8.256		
2,200.00	2,173.17	2,215.16	2,204.20	8.36	7.89	-159.56	91.38	40.37	131.90	116.65	15.26	8.644		
2,300.00	2,265.21	2,318.51	2,302.85	8.97	8.37	-158.36	115.71	59.25	144.26	128.23	16.03	8.999		
2,400.00	2,355.84	2,422.13	2,400.58	9.64	8.89	-157.05	142.91	80.36	156.92	140.07	16.84	9.316		
2,500.00	2,444.94	2,526.02	2,497.25	10.36	9.46	-155.67	172.97	103.68	169.90	152.19	17.71	9.594		
2,591.69	2,525.19	2,621.51	2,584.84	11.07	10.01	-154.34	203.02	126.99	182.11	163.55	18.56	9.812		
2,600.00	2,532.40	2,630.18	2,592.72	11.14	10.06	-154.23	205.86	129.20	183.21	164.57	18.64	9.829		
2,700.00	2,619.15	2,730.83	2,683.85	11.96	10.70	-152.81	239.62	155.39	195.80	176.11	19.69	9.942		
2,800.00	2,705.89	2,829.94	2,773.52	12.81	11.35	-151.56	272.98	181.27	208.37	187.56	20.81	10.011		
2,900.00	2,792.64	2,929.05	2,863.18	13.67	12.02	-150.45	306.33	207.15	221.03	199.05	21.97	10.059		
3,000.00	2,879.39	3,028.16	2,952.85	14.55	12.70	-149.46	339.69	233.03	233.75	210.59	23.17	10.089		
3,100.00	2,966.14	3,127.27	3,042.52	15.44	13.40	-148.57	373.05	258.91	246.55	222.15	24.39	10.107		
3,200.00	3,052.88	3,226.38	3,132.19	16.34	14.11	-147.77	406.41	284.79	259.39	233.74	25.65	10.113		
3,300.00	3,139.63	3,325.49	3,221.85	17.25	14.83	-147.05	439.76	310.68	272.28	245.35	26.93	10.112		
3,400.00	3,226.38	3,424.60	3,311.52	18.17	15.56	-146.39	473.12	336.56	285.20	256.98	28.23	10.104		
3,500.00	3,313.12	3,523.71	3,401.19	19.09	16.30	-145.79	506.48	362.44	298.17	268.62	29.54	10.092		
3,600.00	3,399.87	3,622.82	3,490.85	20.02	17.04	-145.24	539.84	388.32	311.16	280.28	30.88	10.076		
3,700.00	3,486.62	3,721.93	3,580.52	20.96	17.79	-144.73	573.19	414.20	324.17	291.94	32.23	10.058		
3,800.00	3,573.37	3,821.04	3,670.19	21.90	18.55	-144.26	606.55	440.08	337.21	303.62	33.59	10.038		
3,900.00	3,660.11	3,920.15	3,759.86	22.84	19.30	-143.83	639.91	465.96	350.28	315.31	34.97	10.017		
4,000.00	3,746.86	4,019.26	3,849.52	23.78	20.07	-143.42	673.26	491.84	363.35	327.00	36.35	9.995		
4,100.00	3,833.61	4,118.37	3,939.19	24.73	20.83	-143.05	706.62	517.72	376.45	338.70	37.75	9.972		
4,200.00	3,920.35	4,217.48	4,028.86	25.68	21.60	-142.70	739.98	543.60	389.56	350.41	39.15	9.950		
4,300.00	4,007.10	4,316.59	4,118.53	26.63	22.38	-142.37	773.34	569.48	402.68	362.12	40.56	9.927		
4,400.00	4,093.85	4,415.70	4,208.19	27.59	23.15	-142.07	806.69	595.37	415.82	373.84	41.98	9.904		
4,500.00	4,180.60	4,514.81	4,297.86	28.55	23.93	-141.78	840.05	621.25	428.96	385.56	43.41	9.882		
4,600.00	4,267.34	4,613.92	4,387.53	29.50	24.71	-141.51	873.41	647.13	442.12	397.28	44.84	9.860		
4,700.00	4,354.09	4,713.03	4,477.20	30.46	25.49	-141.26	906.77	673.01	455.29	409.01	46.27	9.839		
4,800.00	4,440.84	4,812.14	4,566.86	31.42	26.27	-141.02	940.12	698.89	468.46	420.75	47.72	9.818		
4,900.00	4,527.58	4,911.25	4,656.53	32.39	27.06	-140.79	973.48	724.77	481.64	432.48	49.16	9.797		
5,000.00	4,614.33	5,010.36	4,746.20	33.35	27.84	-140.57	1,006.84	750.65	494.83	444.22	50.61	9.777		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,701.08	5,109.47	4,835.87	34.31	28.63	-140.37	1,040.19	776.53	508.03	455.96	52.06	9.758		
5,200.00	4,787.82	5,208.58	4,925.53	35.28	29.42	-140.18	1,073.55	802.41	521.23	467.71	53.52	9.739		
5,300.00	4,874.57	5,307.69	5,015.20	36.25	30.21	-139.99	1,106.91	828.29	534.43	479.45	54.98	9.721		
5,400.00	4,961.32	5,406.80	5,104.87	37.21	31.00	-139.82	1,140.27	854.17	547.64	491.20	56.44	9.703		
5,500.00	5,048.07	5,505.91	5,194.54	38.18	31.79	-139.65	1,173.62	880.05	560.86	502.96	57.91	9.686		
5,600.00	5,134.81	5,605.02	5,284.20	39.15	32.58	-139.49	1,206.98	905.94	574.08	514.71	59.37	9.669		
5,700.00	5,221.56	5,704.13	5,373.87	40.12	33.37	-139.34	1,240.34	931.82	587.31	526.46	60.84	9.653		
5,800.00	5,308.31	5,803.24	5,463.54	41.09	34.17	-139.20	1,273.69	957.70	600.54	538.22	62.32	9.637		
5,900.00	5,395.05	5,902.35	5,553.21	42.06	34.96	-139.06	1,307.05	983.58	613.77	549.98	63.79	9.622		
6,000.00	5,481.80	6,001.45	5,642.87	43.03	35.76	-138.92	1,340.41	1,009.46	627.00	561.74	65.27	9.607		
6,100.00	5,568.55	6,100.56	5,732.54	44.00	36.55	-138.80	1,373.77	1,035.34	640.24	573.50	66.74	9.592		
6,200.00	5,655.30	6,200.33	5,822.21	44.97	37.36	-138.67	1,407.12	1,061.22	653.49	585.26	68.23	9.578		
6,300.00	5,742.04	6,301.22	5,911.87	45.94	38.17	-138.56	1,440.48	1,087.10	666.73	597.01	69.72	9.563		
6,400.00	5,828.79	6,402.11	6,001.54	46.92	38.98	-138.44	1,473.84	1,112.98	679.98	608.76	71.22	9.548		
6,500.00	5,915.54	6,503.00	6,091.21	47.89	39.79	-138.33	1,507.20	1,138.86	693.23	620.51	72.71	9.534		
6,600.00	6,002.28	6,596.11	6,180.88	48.86	40.54	-138.23	1,540.55	1,164.74	706.48	632.32	74.16	9.527		
6,700.00	6,089.03	6,704.78	6,270.54	49.83	41.42	-138.13	1,573.91	1,190.63	719.74	644.02	75.71	9.506		
6,800.00	6,175.78	6,805.67	6,360.21	50.81	42.23	-138.03	1,607.27	1,216.51	732.99	655.78	77.21	9.493		
6,900.00	6,262.53	6,906.56	6,449.88	51.78	43.04	-137.94	1,640.62	1,242.39	746.25	667.54	78.71	9.481		
7,000.00	6,349.27	7,007.45	6,539.55	52.76	43.86	-137.85	1,673.98	1,268.27	759.51	679.30	80.22	9.468		
7,100.00	6,436.02	7,108.34	6,629.21	53.73	44.67	-137.76	1,707.34	1,294.15	772.77	691.05	81.72	9.456		
7,200.00	6,522.77	7,190.77	6,718.88	54.71	45.34	-137.68	1,740.70	1,320.03	786.04	702.94	83.09	9.460		
7,300.00	6,609.51	7,289.88	6,808.55	55.68	46.14	-137.59	1,774.05	1,345.91	799.30	714.72	84.59	9.449		
7,400.00	6,696.26	7,389.68	6,898.85	56.66	46.95	-137.52	1,807.61	1,371.97	812.57	726.48	86.09	9.439		
7,500.00	6,783.01	7,500.76	7,002.46	57.63	47.72	-138.26	1,833.55	1,401.84	825.01	738.02	86.99	9.484		
7,600.00	6,869.76	7,604.52	7,101.92	58.61	48.22	-140.24	1,838.58	1,430.44	836.67	750.01	86.66	9.655		
7,683.49	6,942.18	7,681.71	7,175.62	59.42	48.44	-142.46	1,830.16	1,451.59	847.05	761.34	85.70	9.883		
7,700.00	6,956.57	7,695.93	7,189.05	59.58	48.47	-145.58	1,827.49	1,455.44	849.29	763.81	85.48	9.936		
7,750.00	7,000.85	7,738.08	7,228.41	60.04	48.53	-156.02	1,817.54	1,466.72	856.60	771.82	84.78	10.104		
7,800.00	7,045.94	7,778.99	7,265.85	60.46	48.56	-167.89	1,805.04	1,477.43	864.60	780.49	84.10	10.280		
7,850.00	7,091.49	7,818.82	7,301.39	60.84	48.55	179.21	1,790.22	1,487.60	873.15	789.69	83.46	10.462		
7,900.00	7,137.15	7,857.73	7,335.07	61.17	48.53	166.07	1,773.30	1,497.22	882.13	799.29	82.84	10.649		
7,950.00	7,182.58	7,895.84	7,366.92	61.44	48.48	153.58	1,754.46	1,506.31	891.40	809.14	82.25	10.837		
8,000.00	7,227.43	7,933.26	7,396.95	61.67	48.41	142.40	1,733.86	1,514.87	900.82	819.12	81.71	11.025		
8,050.00	7,271.36	7,970.07	7,425.18	61.84	48.32	132.80	1,711.65	1,522.90	910.27	829.07	81.20	11.210		
8,100.00	7,314.04	8,006.36	7,451.61	61.96	48.21	124.74	1,687.95	1,530.42	919.62	838.88	80.73	11.391		
8,150.00	7,355.14	8,042.21	7,476.25	62.04	48.09	118.03	1,662.89	1,537.42	928.75	848.44	80.31	11.564		
8,200.00	7,394.34	8,077.66	7,499.10	62.07	47.96	112.45	1,636.56	1,543.89	937.55	857.62	79.94	11.729		
8,250.00	7,431.36	8,112.79	7,520.14	62.06	47.81	107.79	1,609.09	1,549.85	945.92	866.31	79.61	11.882		
8,300.00	7,465.90	8,150.00	7,540.64	62.01	47.65	103.87	1,578.58	1,555.63	953.78	874.53	79.24	12.036		
8,350.00	7,497.71	8,182.21	7,556.81	61.93	47.49	100.64	1,551.09	1,560.19	961.01	881.90	79.10	12.149		
8,400.00	7,526.53	8,216.60	7,572.40	61.81	47.32	97.94	1,520.77	1,564.56	967.56	888.63	78.93	12.258		
8,450.00	7,552.17	8,250.00	7,585.85	61.66	47.14	95.71	1,490.43	1,568.33	973.36	894.52	78.85	12.345		
8,500.00	7,574.41	8,284.90	7,598.06	61.48	46.95	93.89	1,457.92	1,571.73	978.36	899.60	78.75	12.423		
8,550.00	7,593.09	8,318.88	7,608.10	61.29	46.76	92.45	1,425.59	1,574.50	982.49	903.75	78.74	12.477		
8,600.00	7,608.07	8,350.00	7,615.67	61.07	46.58	91.37	1,395.47	1,576.58	985.74	906.83	78.91	12.492		
8,650.00	7,619.23	8,386.62	7,622.55	60.84	46.36	90.59	1,359.56	1,578.43	988.05	909.17	78.88	12.525		
8,700.00	7,626.48	8,420.43	7,626.93	60.60	46.16	90.13	1,326.06	1,579.58	989.43	910.40	79.03	12.520		
8,750.00	7,629.78	8,454.24	7,629.40	60.35	45.96	89.98	1,292.35	1,580.17	989.84	910.64	79.21	12.497		
8,766.45	7,630.00	8,465.37	7,629.80	60.27	45.89	89.99	1,281.23	1,580.25	989.77	910.50	79.27	12.485		
8,787.66	7,630.00	8,482.89	7,630.00	60.16	45.78	90.00	1,267.49	1,580.26	989.68	910.32	79.37	12.470		
8,800.00	7,630.00	8,491.45	7,630.00	60.10	45.73	90.00	1,255.15	1,580.22	989.68	910.43	79.25	12.488		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
8,900.00	7,630.00	8,608.55	7,630.00	59.61	45.06	90.00	1,155.15	1,579.88	989.69	911.54	78.15	12.664		
9,000.00	7,630.00	8,708.55	7,630.00	59.15	44.52	90.00	1,055.15	1,579.54	989.69	912.41	77.28	12.806		
9,100.00	7,630.00	8,808.55	7,630.00	58.71	44.01	90.00	955.15	1,579.20	989.69	913.12	76.57	12.925		
9,200.00	7,630.00	8,908.55	7,630.00	58.30	43.53	90.00	855.15	1,578.87	989.69	913.67	76.02	13.019		
9,300.00	7,630.00	9,008.55	7,630.00	57.91	43.09	90.00	755.15	1,578.53	989.69	914.07	75.63	13.087		
9,400.00	7,630.00	9,108.55	7,630.00	57.54	42.67	90.00	655.15	1,578.19	989.70	914.30	75.40	13.126		
9,500.00	7,630.00	9,208.55	7,630.00	57.19	42.27	90.00	555.15	1,577.85	989.70	914.36	75.34	13.137		
9,600.00	7,630.00	9,308.55	7,630.00	56.87	41.91	90.00	455.15	1,577.51	989.70	914.26	75.44	13.119		
9,700.00	7,630.00	9,408.55	7,630.00	56.57	41.56	90.00	355.15	1,577.17	989.70	913.99	75.71	13.072		
9,800.00	7,630.00	9,508.55	7,630.00	56.30	41.24	90.00	255.15	1,576.84	989.70	913.56	76.14	12.998		
9,900.00	7,630.00	9,608.55	7,630.00	56.05	40.94	90.00	155.15	1,576.50	989.70	912.97	76.74	12.898		
10,000.00	7,630.00	9,708.55	7,630.00	55.82	40.65	90.00	55.15	1,576.16	989.71	912.22	77.49	12.773		
10,100.00	7,630.00	9,808.55	7,630.00	55.63	40.39	90.00	-44.85	1,575.82	989.71	911.32	78.39	12.626		
10,200.00	7,630.00	9,908.55	7,630.00	55.46	40.15	90.00	-144.85	1,575.48	989.71	910.27	79.44	12.459		
10,300.00	7,630.00	10,008.55	7,630.00	55.32	39.92	90.00	-244.85	1,575.15	989.71	909.08	80.63	12.275		
10,400.00	7,630.00	10,108.55	7,630.00	55.22	40.12	90.00	-344.85	1,574.81	989.71	907.76	81.95	12.077		
10,500.00	7,630.00	10,208.55	7,630.00	55.15	41.03	90.00	-444.85	1,574.47	989.71	906.31	83.41	11.866		
10,600.00	7,630.00	10,308.55	7,630.00	55.14	42.03	90.00	-544.84	1,574.13	989.72	904.73	84.98	11.646		
10,700.00	7,630.00	10,408.55	7,630.00	55.18	43.07	90.00	-644.84	1,573.79	989.72	903.04	86.68	11.419		
10,800.00	7,630.00	10,508.55	7,630.00	55.28	44.15	90.00	-744.84	1,573.45	989.72	901.24	88.48	11.186		
10,900.00	7,630.00	10,608.55	7,630.00	55.47	45.27	90.00	-844.84	1,573.12	989.72	899.34	90.38	10.951		
11,000.00	7,630.00	10,708.55	7,630.00	55.74	46.42	90.00	-944.84	1,572.78	989.72	897.35	92.38	10.714		
11,100.00	7,630.00	10,808.55	7,630.00	56.11	47.60	90.00	-1,044.84	1,572.44	989.73	895.26	94.47	10.477		
11,200.00	7,630.00	10,908.55	7,630.00	56.60	48.81	90.00	-1,144.84	1,572.10	989.73	893.09	96.64	10.241		
11,300.00	7,630.00	11,008.55	7,630.00	57.20	50.04	90.00	-1,244.84	1,571.76	989.73	890.84	98.89	10.008		
11,400.00	7,630.00	11,108.55	7,630.00	57.91	51.31	90.00	-1,344.84	1,571.43	989.73	888.51	101.22	9.778		
11,500.00	7,630.00	11,208.55	7,630.00	58.72	52.59	90.00	-1,444.84	1,571.09	989.73	886.12	103.61	9.553		
11,600.00	7,630.00	11,308.55	7,630.00	59.63	53.90	90.00	-1,544.84	1,570.75	989.73	883.67	106.07	9.331		
11,700.00	7,630.00	11,408.55	7,630.00	60.61	55.23	90.00	-1,644.84	1,570.41	989.74	881.15	108.58	9.115		
11,800.00	7,630.00	11,508.55	7,630.00	61.67	56.58	90.00	-1,744.84	1,570.07	989.74	878.58	111.15	8.904		
11,900.00	7,630.00	11,608.55	7,630.00	62.78	57.95	90.00	-1,844.84	1,569.73	989.74	875.96	113.78	8.699		
12,000.00	7,630.00	11,708.55	7,630.00	63.95	59.34	90.00	-1,944.84	1,569.40	989.74	873.29	116.45	8.499		
12,100.00	7,630.00	11,808.55	7,630.00	65.16	60.74	90.00	-2,044.84	1,569.06	989.74	870.58	119.17	8.306		
12,200.00	7,630.00	11,908.55	7,630.00	66.41	62.17	90.00	-2,144.84	1,568.72	989.75	867.82	121.92	8.118		
12,300.00	7,630.00	12,008.55	7,630.00	67.68	63.60	90.00	-2,244.83	1,568.38	989.75	865.02	124.72	7.936		
12,400.00	7,630.00	12,108.55	7,630.00	68.99	65.05	90.00	-2,344.83	1,568.04	989.75	862.19	127.56	7.759		
12,500.00	7,630.00	12,208.55	7,630.00	70.33	66.52	90.00	-2,444.83	1,567.70	989.75	859.33	130.42	7.589		
12,600.00	7,630.00	12,308.55	7,630.00	71.68	67.99	90.00	-2,544.83	1,567.37	989.75	856.43	133.32	7.424		
12,700.00	7,630.00	12,408.55	7,630.00	73.06	69.48	90.00	-2,644.83	1,567.03	989.75	853.50	136.25	7.264		
12,800.00	7,630.00	12,508.55	7,630.00	74.45	70.98	90.00	-2,744.83	1,566.69	989.76	850.54	139.21	7.110		
12,900.00	7,630.00	12,608.55	7,630.00	75.87	72.49	90.00	-2,844.83	1,566.35	989.76	847.56	142.20	6.960		
13,000.00	7,630.00	12,708.55	7,630.00	77.29	74.01	90.00	-2,944.83	1,566.01	989.76	844.55	145.21	6.816		
13,100.00	7,630.00	12,808.55	7,630.00	78.74	75.54	90.00	-3,044.83	1,565.68	989.76	841.52	148.24	6.677		
13,200.00	7,630.00	12,891.45	7,630.00	80.19	76.82	90.00	-3,144.83	1,565.34	989.76	838.73	151.03	6.553		
13,300.00	7,630.00	13,008.55	7,630.00	81.66	78.63	90.00	-3,244.83	1,565.00	989.76	835.40	154.37	6.412		
13,400.00	7,630.00	13,108.55	7,630.00	83.14	80.18	90.00	-3,344.83	1,564.66	989.77	832.30	157.46	6.286		
13,500.00	7,630.00	13,208.55	7,630.00	84.63	81.75	90.00	-3,444.83	1,564.32	989.77	829.19	160.57	6.164		
13,600.00	7,630.00	13,308.55	7,630.00	86.14	83.32	90.00	-3,544.83	1,563.98	989.77	826.07	163.70	6.046		
13,700.00	7,630.00	13,408.55	7,630.00	87.65	84.90	90.00	-3,644.83	1,563.65	989.77	822.92	166.85	5.932		
13,800.00	7,630.00	13,508.55	7,630.00	89.17	86.48	90.00	-3,744.83	1,563.31	989.77	819.76	170.01	5.822		
13,900.00	7,630.00	13,608.55	7,630.00	90.70	88.07	90.00	-3,844.83	1,562.97	989.78	816.59	173.19	5.715		
14,000.00	7,630.00	13,708.55	7,630.00	92.24	89.67	90.00	-3,944.83	1,562.63	989.78	813.40	176.37	5.612		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
14,100.00	7,630.00	13,791.45	7,630.00	93.78	91.00	90.00	-4,044.82	1,562.29	989.78	810.48	179.30	5.520		
14,200.00	7,630.00	13,908.55	7,630.00	95.33	92.88	90.00	-4,144.82	1,561.96	989.78	806.99	182.79	5.415		
14,300.00	7,630.00	14,008.55	7,630.00	96.89	94.49	90.00	-4,244.82	1,561.62	989.78	803.77	186.02	5.321		
14,400.00	7,630.00	14,108.55	7,630.00	98.46	96.11	90.00	-4,344.82	1,561.28	989.78	800.53	189.25	5.230		
14,500.00	7,630.00	14,208.55	7,630.00	100.03	97.73	90.00	-4,444.82	1,560.94	989.79	797.29	192.50	5.142		
14,600.00	7,630.00	14,308.55	7,630.00	101.61	99.36	90.00	-4,544.82	1,560.60	989.79	794.03	195.76	5.056		
14,700.00	7,630.00	14,408.55	7,630.00	103.20	100.99	90.00	-4,644.82	1,560.26	989.79	790.77	199.02	4.973		
14,800.00	7,630.00	14,508.55	7,630.00	104.78	102.63	90.00	-4,744.82	1,559.93	989.79	787.49	202.30	4.893		
14,900.00	7,630.00	14,591.45	7,630.00	106.38	103.99	90.00	-4,844.82	1,559.59	989.79	784.49	205.30	4.821		
15,000.00	7,630.00	14,708.55	7,630.00	107.98	105.91	90.00	-4,944.82	1,559.25	989.79	780.92	208.88	4.739		
15,100.00	7,630.00	14,808.55	7,630.00	109.58	107.56	90.00	-5,044.82	1,558.91	989.80	777.62	212.18	4.665		
15,200.00	7,630.00	14,908.55	7,630.00	111.19	109.21	90.00	-5,144.82	1,558.57	989.80	774.31	215.48	4.593		
15,300.00	7,630.00	14,991.45	7,630.00	112.81	110.58	90.00	-5,244.82	1,558.23	989.80	771.29	218.51	4.530		
15,400.00	7,630.00	15,108.55	7,630.00	114.42	112.52	90.00	-5,344.82	1,557.90	989.80	767.68	222.12	4.456		
15,500.00	7,630.00	15,208.55	7,630.00	116.05	114.18	90.00	-5,444.82	1,557.56	989.80	764.36	225.45	4.390		
15,600.00	7,630.00	15,308.55	7,630.00	117.67	115.85	90.00	-5,544.82	1,557.22	989.81	761.02	228.78	4.326		
15,700.00	7,630.00	15,408.55	7,630.00	119.30	117.51	90.00	-5,644.82	1,556.88	989.81	757.68	232.12	4.264		
15,800.00	7,630.00	15,508.55	7,630.00	120.93	119.18	90.00	-5,744.81	1,556.54	989.81	754.34	235.47	4.204		
15,900.00	7,630.00	15,608.55	7,630.00	122.57	120.85	90.00	-5,844.81	1,556.21	989.81	750.99	238.82	4.145		
16,000.00	7,630.00	15,708.55	7,630.00	124.21	122.53	90.00	-5,944.81	1,555.87	989.81	747.64	242.18	4.087		
16,100.00	7,630.00	15,808.55	7,630.00	125.85	124.21	90.00	-6,044.81	1,555.53	989.81	744.28	245.54	4.031		
16,200.00	7,630.00	15,908.55	7,630.00	127.50	125.88	90.00	-6,144.81	1,555.19	989.82	740.91	248.90	3.977		
16,300.00	7,630.00	16,008.55	7,630.00	129.15	127.57	90.00	-6,244.81	1,554.85	989.82	737.54	252.27	3.924		
16,400.00	7,630.00	16,108.55	7,630.00	130.80	129.25	90.00	-6,344.81	1,554.51	989.82	734.17	255.65	3.872		
16,500.00	7,630.00	16,208.55	7,630.00	132.46	130.93	90.00	-6,444.81	1,554.18	989.82	730.79	259.03	3.821		
16,600.00	7,630.00	16,308.55	7,630.00	134.11	132.62	90.00	-6,544.81	1,553.84	989.82	727.41	262.41	3.772		
16,700.00	7,630.00	16,408.55	7,630.00	135.77	134.31	90.00	-6,644.81	1,553.50	989.82	724.02	265.80	3.724		
16,800.00	7,630.00	16,508.55	7,630.00	137.43	136.00	90.00	-6,744.81	1,553.16	989.83	720.63	269.19	3.677		
16,900.00	7,630.00	16,608.55	7,630.00	139.10	137.69	90.00	-6,844.81	1,552.82	989.83	717.24	272.59	3.631		
17,000.00	7,630.00	16,708.55	7,630.00	140.77	139.39	90.00	-6,944.81	1,552.48	989.83	713.84	275.99	3.587		
17,100.00	7,630.00	16,808.55	7,630.00	142.44	141.09	90.00	-7,044.81	1,552.15	989.83	710.44	279.39	3.543		
17,200.00	7,630.00	16,908.55	7,630.00	144.11	142.78	90.00	-7,144.81	1,551.81	989.83	707.04	282.79	3.500		
17,300.00	7,630.00	17,008.55	7,630.00	145.78	144.48	90.00	-7,244.81	1,551.47	989.84	703.63	286.20	3.459		
17,400.00	7,630.00	17,108.55	7,630.00	147.46	146.18	90.00	-7,344.81	1,551.13	989.84	700.23	289.61	3.418		
17,500.00	7,630.00	17,191.45	7,630.00	149.13	147.60	90.00	-7,444.81	1,550.79	989.84	697.11	292.73	3.381		
17,600.00	7,630.00	17,308.55	7,630.00	150.81	149.59	90.00	-7,544.80	1,550.46	989.84	693.40	296.44	3.339		
17,700.00	7,630.00	17,408.55	7,630.00	152.49	151.30	90.00	-7,644.80	1,550.12	989.84	689.98	299.86	3.301		
17,800.00	7,630.00	17,508.55	7,630.00	154.18	153.00	90.00	-7,744.80	1,549.78	989.84	686.56	303.28	3.264		
17,900.00	7,630.00	17,591.45	7,630.00	155.86	154.42	90.00	-7,844.80	1,549.44	989.85	683.43	306.42	3.230		
18,000.00	7,630.00	17,708.55	7,630.00	157.55	156.42	90.00	-7,944.80	1,549.10	989.85	679.71	310.14	3.192		
18,100.00	7,630.00	17,808.55	7,630.00	159.24	158.13	90.00	-8,044.80	1,548.76	989.85	676.28	313.57	3.157		
18,200.00	7,630.00	17,908.55	7,630.00	160.92	159.84	90.00	-8,144.80	1,548.43	989.85	672.85	317.00	3.123		
18,300.00	7,630.00	18,008.55	7,630.00	162.62	161.55	90.00	-8,244.80	1,548.09	989.85	669.42	320.43	3.089		
18,400.00	7,630.00	18,091.45	7,630.00	164.31	162.98	90.00	-8,344.80	1,547.75	989.85	666.28	323.58	3.059		
18,458.39	7,630.00	18,149.85	7,630.00	165.30	163.98	90.00	-8,403.19	1,547.55	989.86	664.27	325.58	3.040 SF		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	49.26	1,787.82	2,075.31	8,194.14					
100.00	100.00	16,236.00	7,569.74	0.13	158.98	49.26	1,787.82	2,075.31	8,099.96	8,020.24	79.72	101.609		
200.00	200.00	16,236.00	7,569.74	0.49	158.98	49.26	1,787.82	2,075.31	8,005.92	7,926.04	79.89	100.212		
300.00	300.00	16,236.00	7,569.74	0.85	158.98	49.26	1,787.82	2,075.31	7,912.03	7,831.95	80.08	98.802		
400.00	400.00	16,236.00	7,569.74	1.21	158.98	49.26	1,787.82	2,075.31	7,818.29	7,738.01	80.29	97.380		
500.00	500.00	16,236.00	7,569.74	1.57	158.98	49.26	1,787.82	2,075.31	7,724.71	7,644.20	80.51	95.945		
600.00	600.00	16,236.00	7,569.74	1.93	158.98	49.26	1,787.82	2,075.31	7,631.29	7,550.54	80.75	94.500		
700.00	700.00	16,236.00	7,569.74	2.29	158.98	49.26	1,787.82	2,075.31	7,538.04	7,457.03	81.01	93.045		
800.00	800.00	16,236.00	7,569.74	2.64	158.98	49.26	1,787.82	2,075.31	7,444.97	7,363.67	81.29	91.582		
900.00	900.00	16,236.00	7,569.74	3.00	158.98	49.26	1,787.82	2,075.31	7,352.07	7,270.49	81.59	90.112		
1,000.00	1,000.00	16,236.00	7,569.74	3.36	158.98	49.26	1,787.82	2,075.31	7,259.37	7,177.47	81.90	88.636		
1,100.00	1,100.00	16,236.00	7,569.74	3.72	158.98	49.26	1,787.82	2,075.31	7,166.86	7,084.63	82.23	87.156		
1,200.00	1,199.98	16,236.00	7,569.74	4.07	158.98	-1.98	1,787.82	2,075.31	7,073.90	6,991.33	82.57	85.668		
1,300.00	1,299.84	16,236.00	7,569.74	4.43	158.98	-2.18	1,787.82	2,075.31	6,979.88	6,896.97	82.91	84.182		
1,400.00	1,399.45	16,236.00	7,569.74	4.79	158.98	-2.42	1,787.82	2,075.31	6,884.87	6,801.64	83.24	82.713		
1,500.00	1,498.70	16,236.00	7,569.74	5.15	158.98	-2.73	1,787.82	2,075.31	6,788.96	6,705.42	83.54	81.262		
1,600.00	1,597.47	16,236.00	7,569.74	5.53	158.98	-3.12	1,787.82	2,075.31	6,692.22	6,608.39	83.83	79.832		
1,700.00	1,695.62	16,236.00	7,569.74	5.93	158.98	-3.63	1,787.82	2,075.31	6,594.73	6,510.64	84.09	78.424		
1,800.00	1,793.06	16,236.00	7,569.74	6.35	158.98	-4.35	1,787.82	2,075.31	6,496.59	6,412.26	84.33	77.039		
1,900.00	1,889.64	16,236.00	7,569.74	6.79	158.98	-5.39	1,787.82	2,075.31	6,397.88	6,313.34	84.54	75.679		
2,000.00	1,985.27	16,236.00	7,569.74	7.27	158.98	-7.08	1,787.82	2,075.31	6,298.71	6,213.98	84.72	74.345		
2,100.00	2,079.82	16,236.00	7,569.74	7.79	158.98	-10.22	1,787.82	2,075.31	6,199.16	6,114.29	84.88	73.037		
2,200.00	2,173.17	16,236.00	7,569.74	8.36	158.98	-18.03	1,787.82	2,075.31	6,099.36	6,014.36	85.00	71.758		
2,300.00	2,265.21	16,236.00	7,569.74	8.97	158.98	-57.54	1,787.82	2,075.31	5,999.41	5,914.32	85.09	70.508		
2,400.00	2,355.84	16,236.00	7,569.74	9.64	158.98	-150.41	1,787.82	2,075.31	5,899.43	5,814.29	85.14	69.288		
2,500.00	2,444.94	16,236.00	7,569.74	10.36	158.98	-166.34	1,787.82	2,075.31	5,799.54	5,714.38	85.16	68.100		
2,591.69	2,525.19	16,236.00	7,569.74	11.07	158.98	-170.89	1,787.82	2,075.31	5,708.14	5,623.00	85.15	67.038		
2,600.00	2,532.40	16,236.00	7,569.74	11.14	158.98	-170.89	1,787.82	2,075.31	5,699.88	5,614.73	85.14	66.944		
2,700.00	2,619.15	16,236.00	7,569.74	11.96	158.98	-170.89	1,787.82	2,075.31	5,600.35	5,515.23	85.12	65.797		
2,800.00	2,705.89	16,236.00	7,569.74	12.81	158.98	-170.89	1,787.82	2,075.31	5,500.83	5,415.75	85.09	64.649		
2,900.00	2,792.64	16,236.00	7,569.74	13.67	158.98	-170.89	1,787.82	2,075.31	5,401.34	5,316.28	85.06	63.500		
3,000.00	2,879.39	16,236.00	7,569.74	14.55	158.98	-170.89	1,787.82	2,075.31	5,301.86	5,216.83	85.03	62.351		
3,100.00	2,966.14	16,236.00	7,569.74	15.44	158.98	-170.89	1,787.82	2,075.31	5,202.40	5,117.40	85.01	61.200		
3,200.00	3,052.88	16,236.00	7,569.74	16.34	158.98	-170.89	1,787.82	2,075.31	5,102.97	5,017.99	84.98	60.049		
3,300.00	3,139.63	16,236.00	7,569.74	17.25	158.98	-170.89	1,787.82	2,075.31	5,003.56	4,918.60	84.95	58.897		
3,400.00	3,226.38	16,236.00	7,569.74	18.17	158.98	-170.89	1,787.82	2,075.31	4,904.17	4,819.24	84.93	57.745		
3,500.00	3,313.12	16,236.00	7,569.74	19.09	158.98	-170.89	1,787.82	2,075.31	4,804.81	4,719.91	84.90	56.593		
3,600.00	3,399.87	16,236.00	7,569.74	20.02	158.98	-170.89	1,787.82	2,075.31	4,705.47	4,620.60	84.87	55.441		
3,700.00	3,486.62	16,236.00	7,569.74	20.96	158.98	-170.89	1,787.82	2,075.31	4,606.16	4,521.32	84.85	54.289		
3,800.00	3,573.37	16,236.00	7,569.74	21.90	158.98	-170.89	1,787.82	2,075.31	4,506.89	4,422.07	84.82	53.137		
3,900.00	3,660.11	16,236.00	7,569.74	22.84	158.98	-170.89	1,787.82	2,075.31	4,407.64	4,322.86	84.79	51.986		
4,000.00	3,746.86	16,236.00	7,569.74	23.78	158.98	-170.89	1,787.82	2,075.31	4,308.43	4,223.68	84.75	50.834		
4,100.00	3,833.61	16,236.00	7,569.74	24.73	158.98	-170.89	1,787.82	2,075.31	4,209.26	4,124.54	84.72	49.684		
4,200.00	3,920.35	16,236.00	7,569.74	25.68	158.98	-170.89	1,787.82	2,075.31	4,110.13	4,025.44	84.69	48.534		
4,300.00	4,007.10	16,236.00	7,569.74	26.63	158.98	-170.89	1,787.82	2,075.31	4,011.04	3,926.39	84.65	47.385		
4,400.00	4,093.85	16,236.00	7,569.74	27.59	158.98	-170.89	1,787.82	2,075.31	3,912.00	3,827.39	84.61	46.236		
4,500.00	4,180.60	16,236.00	7,569.74	28.55	158.98	-170.89	1,787.82	2,075.31	3,813.01	3,728.44	84.57	45.089		
4,600.00	4,267.34	16,236.00	7,569.74	29.50	158.98	-170.89	1,787.82	2,075.31	3,714.07	3,629.55	84.52	43.942		
4,700.00	4,354.09	16,236.00	7,569.74	30.46	158.98	-170.89	1,787.82	2,075.31	3,615.19	3,530.72	84.47	42.796		
4,800.00	4,440.84	16,236.00	7,569.74	31.42	158.98	-170.89	1,787.82	2,075.31	3,516.37	3,431.95	84.42	41.652		
4,900.00	4,527.58	16,236.00	7,569.74	32.39	158.98	-170.89	1,787.82	2,075.31	3,417.63	3,333.26	84.37	40.509		
5,000.00	4,614.33	16,236.00	7,569.74	33.35	158.98	-170.89	1,787.82	2,075.31	3,318.95	3,234.64	84.31	39.367		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,701.08	16,236.00	7,569.74	34.31	158.98	-170.89	1,787.82	2,075.31	3,220.36	3,136.12	84.25	38.226		
5,200.00	4,787.82	16,236.00	7,569.74	35.28	158.98	-170.89	1,787.82	2,075.31	3,121.86	3,037.68	84.18	37.086		
5,300.00	4,874.57	16,236.00	7,569.74	36.25	158.98	-170.89	1,787.82	2,075.31	3,023.46	2,939.35	84.11	35.948		
5,400.00	4,961.32	16,236.00	7,569.74	37.21	158.98	-170.89	1,787.82	2,075.31	2,925.17	2,841.13	84.03	34.810		
5,500.00	5,048.07	16,236.00	7,569.74	38.18	158.98	-170.89	1,787.82	2,075.31	2,826.99	2,743.04	83.95	33.674		
5,600.00	5,134.81	16,236.00	7,569.74	39.15	158.98	-170.89	1,787.82	2,075.31	2,728.95	2,645.08	83.87	32.538		
5,700.00	5,221.56	16,236.00	7,569.74	40.12	158.98	-170.89	1,787.82	2,075.31	2,631.06	2,547.27	83.78	31.403		
5,800.00	5,308.31	16,236.00	7,569.74	41.09	158.98	-170.89	1,787.82	2,075.31	2,533.33	2,449.63	83.69	30.269		
5,900.00	5,395.05	16,236.00	7,569.74	42.06	158.98	-170.89	1,787.82	2,075.31	2,435.78	2,352.18	83.60	29.135		
6,000.00	5,481.80	16,236.00	7,569.74	43.03	158.98	-170.89	1,787.82	2,075.31	2,338.44	2,254.93	83.51	28.001		
6,100.00	5,568.55	16,236.00	7,569.74	44.00	158.98	-170.89	1,787.82	2,075.31	2,241.34	2,157.91	83.42	26.867		
6,200.00	5,655.30	16,236.00	7,569.74	44.97	158.98	-170.89	1,787.82	2,075.31	2,144.50	2,061.16	83.34	25.731		
6,300.00	5,742.04	16,236.00	7,569.74	45.94	158.98	-170.89	1,787.82	2,075.31	2,047.97	1,964.70	83.27	24.594		
6,400.00	5,828.79	16,236.00	7,569.74	46.92	158.98	-170.89	1,787.82	2,075.31	1,951.78	1,868.57	83.22	23.455		
6,500.00	5,915.54	16,236.00	7,569.74	47.89	158.98	-170.89	1,787.82	2,075.31	1,856.00	1,772.82	83.19	22.312		
6,600.00	6,002.28	16,236.00	7,569.74	48.86	158.98	-170.89	1,787.82	2,075.31	1,760.69	1,677.50	83.19	21.164		
6,700.00	6,089.03	16,236.00	7,569.74	49.83	158.98	-170.89	1,787.82	2,075.31	1,665.93	1,582.67	83.26	20.010		
6,800.00	6,175.78	16,236.00	7,569.74	50.81	158.98	-170.89	1,787.82	2,075.31	1,571.81	1,488.42	83.40	18.848		
6,900.00	6,262.53	16,236.00	7,569.74	51.78	158.98	-170.89	1,787.82	2,075.31	1,478.47	1,394.83	83.65	17.675		
7,000.00	6,349.27	16,236.00	7,569.74	52.76	158.98	-170.89	1,787.82	2,075.31	1,386.06	1,302.01	84.05	16.490		
7,100.00	6,436.02	16,236.00	7,569.74	53.73	158.98	-170.89	1,787.82	2,075.31	1,294.78	1,210.10	84.68	15.290		
7,200.00	6,522.77	16,236.00	7,569.74	54.71	158.98	-170.89	1,787.82	2,075.31	1,204.88	1,119.26	85.62	14.072		
7,300.00	6,609.51	16,236.00	7,569.74	55.68	158.98	-170.89	1,787.82	2,075.31	1,116.70	1,029.70	87.01	12.835		
7,400.00	6,696.26	16,236.00	7,569.74	56.66	158.98	-170.89	1,787.82	2,075.31	1,030.69	941.68	89.00	11.580		
7,500.00	6,783.01	16,236.00	7,569.74	57.63	158.98	-170.89	1,787.82	2,075.31	947.42	855.56	91.86	10.314		
7,600.00	6,869.76	16,221.19	7,569.82	58.61	158.72	-169.56	1,802.63	2,075.58	867.56	771.80	95.76	9.060		
7,683.49	6,942.18	16,194.14	7,569.96	59.42	158.25	-167.06	1,829.68	2,076.06	803.51	703.30	100.21	8.018		
7,700.00	6,956.57	16,189.59	7,569.98	59.58	158.17	-167.31	1,834.22	2,076.14	791.10	689.83	101.27	7.812		
7,750.00	7,000.85	16,175.96	7,570.05	60.04	157.94	-168.88	1,847.85	2,076.38	753.70	648.72	104.98	7.180		
7,800.00	7,045.94	16,166.98	7,570.09	60.46	157.78	-172.37	1,856.83	2,076.55	716.95	607.46	109.48	6.548		
7,850.00	7,091.49	16,162.64	7,570.11	60.84	157.70	-177.73	1,861.17	2,076.62	681.43	566.57	114.86	5.933		
7,900.00	7,137.15	16,162.94	7,570.11	61.17	157.71	175.62	1,860.87	2,076.62	647.73	526.60	121.13	5.347		
7,950.00	7,182.58	16,167.81	7,570.09	61.44	157.79	168.47	1,856.00	2,076.53	616.42	488.15	128.27	4.806		
8,000.00	7,227.43	16,177.16	7,570.05	61.67	157.96	161.48	1,846.65	2,076.36	588.02	451.87	136.15	4.319		
8,050.00	7,271.36	16,190.88	7,569.97	61.84	158.19	154.98	1,832.93	2,076.12	563.00	418.41	144.59	3.894		
8,100.00	7,314.04	16,207.77	7,569.89	61.96	158.49	149.09	1,816.05	2,075.82	541.74	388.40	153.34	3.533		
8,150.00	7,355.14	16,229.08	7,569.78	62.04	158.86	143.56	1,794.73	2,075.43	524.45	362.42	162.03	3.237		
8,200.00	7,394.34	16,236.00	7,569.74	62.07	158.98	140.04	1,787.82	2,075.31	511.51	340.67	170.84	2.994		
8,250.00	7,431.36	16,236.00	7,569.74	62.06	158.98	137.44	1,787.82	2,075.31	504.01	324.98	179.03	2.815		
8,289.58	7,458.92	16,236.00	7,569.74	62.02	158.98	135.45	1,787.82	2,075.31	502.17	317.61	184.56	2.721 CC		
8,300.00	7,465.90	16,236.00	7,569.74	62.01	158.98	134.92	1,787.82	2,075.31	502.30	316.45	185.85	2.703		
8,350.00	7,497.71	16,236.00	7,569.74	61.93	158.98	132.33	1,787.82	2,075.31	506.45	315.55	190.90	2.653 ES, SF		
8,400.00	7,526.53	16,236.00	7,569.74	61.81	158.98	129.59	1,787.82	2,075.31	516.28	322.28	194.00	2.661		
8,450.00	7,552.17	16,236.00	7,569.74	61.66	158.98	126.60	1,787.82	2,075.31	531.41	336.23	195.19	2.723		
8,500.00	7,574.41	16,236.00	7,569.74	61.48	158.98	123.33	1,787.82	2,075.31	551.30	356.64	194.65	2.832		
8,550.00	7,593.09	16,236.00	7,569.74	61.29	158.98	119.72	1,787.82	2,075.31	575.30	382.60	192.70	2.985		
8,600.00	7,608.07	16,236.00	7,569.74	61.07	158.98	115.76	1,787.82	2,075.31	602.76	413.09	189.66	3.178		
8,650.00	7,619.23	16,236.00	7,569.74	60.84	158.98	111.48	1,787.82	2,075.31	633.03	447.18	185.84	3.406		
8,700.00	7,626.48	16,236.00	7,569.74	60.60	158.98	106.92	1,787.82	2,075.31	665.51	484.02	181.50	3.667		
8,750.00	7,629.78	16,236.00	7,569.74	60.35	158.98	102.17	1,787.82	2,075.31	699.68	522.86	176.82	3.957		
8,766.45	7,630.00	16,236.00	7,569.74	60.27	158.98	100.58	1,787.82	2,075.31	711.20	535.96	175.24	4.058		
8,800.00	7,630.00	16,236.00	7,569.74	60.10	158.98	100.58	1,787.82	2,075.31	735.21	563.19	172.02	4.274		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
8,900.00	7,630.00	16,236.00	7,569.74	59.61	158.98	100.58	1,787.82	2,075.31	810.81	647.87	162.94	4.976		
9,000.00	7,630.00	16,236.00	7,569.74	59.15	158.98	100.58	1,787.82	2,075.31	891.22	736.45	154.77	5.758		
9,100.00	7,630.00	16,236.00	7,569.74	58.71	158.98	100.58	1,787.82	2,075.31	975.27	827.69	147.58	6.609		
9,200.00	7,630.00	16,236.00	7,569.74	58.30	158.98	100.58	1,787.82	2,075.31	1,062.08	920.80	141.28	7.518		
9,300.00	7,630.00	16,236.00	7,569.74	57.91	158.98	100.58	1,787.82	2,075.31	1,151.04	1,015.25	135.79	8.476		
9,400.00	7,630.00	16,236.00	7,569.74	57.54	158.98	100.58	1,787.82	2,075.31	1,241.68	1,110.67	131.01	9.478		
9,500.00	7,630.00	16,236.00	7,569.74	57.19	158.98	100.58	1,787.82	2,075.31	1,333.65	1,206.84	126.82	10.516		
9,600.00	7,630.00	16,236.00	7,569.74	56.87	158.98	100.58	1,787.82	2,075.31	1,426.71	1,303.57	123.14	11.586		
9,700.00	7,630.00	16,236.00	7,569.74	56.57	158.98	100.58	1,787.82	2,075.31	1,520.65	1,400.75	119.90	12.682		
9,800.00	7,630.00	16,236.00	7,569.74	56.30	158.98	100.58	1,787.82	2,075.31	1,615.32	1,498.28	117.04	13.802		
9,900.00	7,630.00	16,236.00	7,569.74	56.05	158.98	100.58	1,787.82	2,075.31	1,710.59	1,596.10	114.49	14.941		
10,000.00	7,630.00	16,236.00	7,569.74	55.82	158.98	100.58	1,787.82	2,075.31	1,806.37	1,694.16	112.22	16.097		
10,100.00	7,630.00	16,236.00	7,569.74	55.63	158.98	100.58	1,787.82	2,075.31	1,902.59	1,792.41	110.18	17.268		
10,200.00	7,630.00	16,236.00	7,569.74	55.46	158.98	100.58	1,787.82	2,075.31	1,999.18	1,890.83	108.35	18.451		
10,300.00	7,630.00	16,236.00	7,569.74	55.32	158.98	100.58	1,787.82	2,075.31	2,096.09	1,989.39	106.70	19.645		
10,400.00	7,630.00	16,236.00	7,569.74	55.22	158.98	100.58	1,787.82	2,075.31	2,193.28	2,088.07	105.21	20.847		
10,500.00	7,630.00	16,236.00	7,569.74	55.15	158.98	100.58	1,787.82	2,075.31	2,290.71	2,186.86	103.85	22.058		
10,600.00	7,630.00	16,236.00	7,569.74	55.14	158.98	100.58	1,787.82	2,075.31	2,388.35	2,285.74	102.61	23.276		
10,700.00	7,630.00	16,236.00	7,569.74	55.18	158.98	100.58	1,787.82	2,075.31	2,486.18	2,384.70	101.48	24.499		
10,800.00	7,630.00	16,236.00	7,569.74	55.28	158.98	100.58	1,787.82	2,075.31	2,584.17	2,483.73	100.45	25.727		
10,900.00	7,630.00	16,236.00	7,569.74	55.47	158.98	100.58	1,787.82	2,075.31	2,682.32	2,582.82	99.50	26.959		
11,000.00	7,630.00	16,236.00	7,569.74	55.74	158.98	100.58	1,787.82	2,075.31	2,780.59	2,681.97	98.62	28.195		
11,100.00	7,630.00	16,236.00	7,569.74	56.11	158.98	100.58	1,787.82	2,075.31	2,878.99	2,781.17	97.81	29.433		
11,200.00	7,630.00	16,236.00	7,569.74	56.60	158.98	100.58	1,787.82	2,075.31	2,977.49	2,880.42	97.07	30.675		
11,300.00	7,630.00	16,236.00	7,569.74	57.20	158.98	100.58	1,787.82	2,075.31	3,076.09	2,979.71	96.38	31.918		
11,400.00	7,630.00	16,236.00	7,569.74	57.91	158.98	100.58	1,787.82	2,075.31	3,174.77	3,079.04	95.73	33.163		
11,500.00	7,630.00	16,236.00	7,569.74	58.72	158.98	100.58	1,787.82	2,075.31	3,273.54	3,178.40	95.14	34.409		
11,600.00	7,630.00	16,236.00	7,569.74	59.63	158.98	100.58	1,787.82	2,075.31	3,372.38	3,277.80	94.58	35.656		
11,700.00	7,630.00	16,236.00	7,569.74	60.61	158.98	100.58	1,787.82	2,075.31	3,471.28	3,377.22	94.06	36.904		
11,800.00	7,630.00	16,236.00	7,569.74	61.67	158.98	100.58	1,787.82	2,075.31	3,570.25	3,476.67	93.58	38.153		
11,900.00	7,630.00	16,236.00	7,569.74	62.78	158.98	100.58	1,787.82	2,075.31	3,669.27	3,576.14	93.12	39.402		
12,000.00	7,630.00	16,236.00	7,569.74	63.95	158.98	100.58	1,787.82	2,075.31	3,768.34	3,675.64	92.70	40.651		
12,100.00	7,630.00	16,236.00	7,569.74	65.16	158.98	100.58	1,787.82	2,075.31	3,867.46	3,775.16	92.30	41.900		
12,200.00	7,630.00	16,236.00	7,569.74	66.41	158.98	100.58	1,787.82	2,075.31	3,966.63	3,874.70	91.93	43.150		
12,300.00	7,630.00	16,236.00	7,569.74	67.68	158.98	100.58	1,787.82	2,075.31	4,065.84	3,974.26	91.58	44.399		
12,400.00	7,630.00	16,236.00	7,569.74	68.99	158.98	100.58	1,787.82	2,075.31	4,165.08	4,073.84	91.24	45.648		
12,500.00	7,630.00	16,236.00	7,569.74	70.33	158.98	100.58	1,787.82	2,075.31	4,264.36	4,173.43	90.93	46.896		
12,600.00	7,630.00	16,236.00	7,569.74	71.68	158.98	100.58	1,787.82	2,075.31	4,363.67	4,273.03	90.64	48.144		
12,700.00	7,630.00	16,236.00	7,569.74	73.06	158.98	100.58	1,787.82	2,075.31	4,463.01	4,372.65	90.36	49.391		
12,800.00	7,630.00	16,236.00	7,569.74	74.45	158.98	100.58	1,787.82	2,075.31	4,562.39	4,472.29	90.10	50.638		
12,900.00	7,630.00	16,236.00	7,569.74	75.87	158.98	100.58	1,787.82	2,075.31	4,661.79	4,571.94	89.85	51.884		
13,000.00	7,630.00	16,236.00	7,569.74	77.29	158.98	100.58	1,787.82	2,075.31	4,761.21	4,671.59	89.62	53.129		
13,100.00	7,630.00	16,236.00	7,569.74	78.74	158.98	100.58	1,787.82	2,075.31	4,860.66	4,771.26	89.39	54.373		
13,200.00	7,630.00	16,236.00	7,569.74	80.19	158.98	100.58	1,787.82	2,075.31	4,960.13	4,870.94	89.18	55.617		
13,300.00	7,630.00	16,236.00	7,569.74	81.66	158.98	100.58	1,787.82	2,075.31	5,059.62	4,970.63	88.98	56.860		
13,400.00	7,630.00	16,236.00	7,569.74	83.14	158.98	100.58	1,787.82	2,075.31	5,159.13	5,070.33	88.80	58.101		
13,500.00	7,630.00	16,236.00	7,569.74	84.63	158.98	100.58	1,787.82	2,075.31	5,258.66	5,170.04	88.62	59.342		
13,600.00	7,630.00	16,236.00	7,569.74	86.14	158.98	100.58	1,787.82	2,075.31	5,358.20	5,269.76	88.45	60.581		
13,700.00	7,630.00	16,236.00	7,569.74	87.65	158.98	100.58	1,787.82	2,075.31	5,457.77	5,369.48	88.28	61.820		
13,800.00	7,630.00	16,236.00	7,569.74	89.17	158.98	100.58	1,787.82	2,075.31	5,557.34	5,469.21	88.13	63.058		
13,900.00	7,630.00	16,236.00	7,569.74	90.70	158.98	100.58	1,787.82	2,075.31	5,656.94	5,568.95	87.99	64.294		
14,000.00	7,630.00	16,236.00	7,569.74	92.24	158.98	100.58	1,787.82	2,075.31	5,756.55	5,668.70	87.85	65.529		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
14,100.00	7,630.00	16,236.00	7,569.74	93.78	158.98	100.58	1,787.82	2,075.31	5,856.17	5,768.45	87.72	66.763		
14,200.00	7,630.00	16,236.00	7,569.74	95.33	158.98	100.58	1,787.82	2,075.31	5,955.80	5,868.21	87.59	67.996		
14,300.00	7,630.00	16,236.00	7,569.74	96.89	158.98	100.58	1,787.82	2,075.31	6,055.45	5,967.98	87.47	69.227		
14,400.00	7,630.00	16,236.00	7,569.74	98.46	158.98	100.58	1,787.82	2,075.31	6,155.10	6,067.75	87.36	70.458		
14,500.00	7,630.00	16,236.00	7,569.74	100.03	158.98	100.58	1,787.82	2,075.31	6,254.77	6,167.52	87.25	71.687		
14,600.00	7,630.00	16,236.00	7,569.74	101.61	158.98	100.58	1,787.82	2,075.31	6,354.45	6,267.30	87.15	72.914		
14,700.00	7,630.00	16,236.00	7,569.74	103.20	158.98	100.58	1,787.82	2,075.31	6,454.14	6,367.09	87.05	74.141		
14,800.00	7,630.00	16,236.00	7,569.74	104.78	158.98	100.58	1,787.82	2,075.31	6,553.84	6,466.88	86.96	75.366		
14,900.00	7,630.00	16,236.00	7,569.74	106.38	158.98	100.58	1,787.82	2,075.31	6,653.55	6,566.67	86.87	76.589		
15,000.00	7,630.00	16,236.00	7,569.74	107.98	158.98	100.58	1,787.82	2,075.31	6,753.26	6,666.47	86.79	77.811		
15,100.00	7,630.00	16,236.00	7,569.74	109.58	158.98	100.58	1,787.82	2,075.31	6,852.99	6,766.27	86.71	79.032		
15,200.00	7,630.00	16,236.00	7,569.74	111.19	158.98	100.58	1,787.82	2,075.31	6,952.72	6,866.08	86.64	80.252		
15,300.00	7,630.00	16,236.00	7,569.74	112.81	158.98	100.58	1,787.82	2,075.31	7,052.46	6,965.89	86.57	81.470		
15,400.00	7,630.00	16,236.00	7,569.74	114.42	158.98	100.58	1,787.82	2,075.31	7,152.20	7,065.71	86.50	82.686		
15,500.00	7,630.00	16,236.00	7,569.74	116.05	158.98	100.58	1,787.82	2,075.31	7,251.96	7,165.52	86.43	83.901		
15,600.00	7,630.00	16,236.00	7,569.74	117.67	158.98	100.58	1,787.82	2,075.31	7,351.72	7,265.34	86.37	85.114		
15,700.00	7,630.00	16,236.00	7,569.74	119.30	158.98	100.58	1,787.82	2,075.31	7,451.49	7,365.17	86.32	86.326		
15,800.00	7,630.00	16,236.00	7,569.74	120.93	158.98	100.58	1,787.82	2,075.31	7,551.26	7,464.99	86.26	87.537		
15,900.00	7,630.00	16,236.00	7,569.74	122.57	158.98	100.58	1,787.82	2,075.31	7,651.04	7,564.82	86.21	88.746		
16,000.00	7,630.00	16,236.00	7,569.74	124.21	158.98	100.58	1,787.82	2,075.31	7,750.82	7,664.66	86.17	89.953		
16,100.00	7,630.00	16,236.00	7,569.74	125.85	158.98	100.58	1,787.82	2,075.31	7,850.61	7,764.49	86.12	91.159		
16,200.00	7,630.00	16,236.00	7,569.74	127.50	158.98	100.58	1,787.82	2,075.31	7,950.41	7,864.33	86.08	92.363		
16,300.00	7,630.00	16,236.00	7,569.74	129.15	158.98	100.58	1,787.82	2,075.31	8,050.21	7,964.17	86.04	93.565		
16,400.00	7,630.00	16,236.00	7,569.74	130.80	158.98	100.58	1,787.82	2,075.31	8,150.01	8,064.01	86.00	94.766		
16,500.00	7,630.00	16,236.00	7,569.74	132.46	158.98	100.58	1,787.82	2,075.31	8,249.82	8,163.86	85.97	95.965		
16,600.00	7,630.00	16,236.00	7,569.74	134.11	158.98	100.58	1,787.82	2,075.31	8,349.64	8,263.70	85.93	97.163		
16,700.00	7,630.00	16,236.00	7,569.74	135.77	158.98	100.58	1,787.82	2,075.31	8,449.46	8,363.55	85.90	98.359		
16,800.00	7,630.00	16,236.00	7,569.74	137.43	158.98	100.58	1,787.82	2,075.31	8,549.28	8,463.40	85.88	99.553		
16,900.00	7,630.00	16,236.00	7,569.74	139.10	158.98	100.58	1,787.82	2,075.31	8,649.11	8,563.26	85.85	100.745		
17,000.00	7,630.00	16,236.00	7,569.74	140.77	158.98	100.58	1,787.82	2,075.31	8,748.94	8,663.11	85.83	101.936		
17,100.00	7,630.00	16,236.00	7,569.74	142.44	158.98	100.58	1,787.82	2,075.31	8,848.78	8,762.97	85.81	103.125		
17,200.00	7,630.00	16,236.00	7,569.74	144.11	158.98	100.58	1,787.82	2,075.31	8,948.61	8,862.83	85.79	104.312		
17,300.00	7,630.00	16,236.00	7,569.74	145.78	158.98	100.58	1,787.82	2,075.31	9,048.46	8,962.69	85.77	105.498		
17,400.00	7,630.00	16,236.00	7,569.74	147.46	158.98	100.58	1,787.82	2,075.31	9,148.30	9,062.55	85.75	106.682		
17,500.00	7,630.00	16,236.00	7,569.74	149.13	158.98	100.58	1,787.82	2,075.31	9,248.15	9,162.41	85.74	107.863		
17,600.00	7,630.00	16,236.00	7,569.74	150.81	158.98	100.58	1,787.82	2,075.31	9,348.00	9,262.28	85.73	109.043		
17,700.00	7,630.00	16,236.00	7,569.74	152.49	158.98	100.58	1,787.82	2,075.31	9,447.86	9,362.14	85.72	110.222		
17,800.00	7,630.00	16,236.00	7,569.74	154.18	158.98	100.58	1,787.82	2,075.31	9,547.72	9,462.01	85.71	111.398		
17,900.00	7,630.00	16,236.00	7,569.74	155.86	158.98	100.58	1,787.82	2,075.31	9,647.58	9,561.88	85.70	112.573		
18,000.00	7,630.00	16,236.00	7,569.74	157.55	158.98	100.58	1,787.82	2,075.31	9,747.44	9,661.75	85.70	113.745		
18,100.00	7,630.00	16,236.00	7,569.74	159.24	158.98	100.58	1,787.82	2,075.31	9,847.31	9,761.62	85.69	114.916		
18,200.00	7,630.00	16,236.00	7,569.74	160.92	158.98	100.58	1,787.82	2,075.31	9,947.18	9,861.49	85.69	116.085		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	39.15	1,782.14	1,450.79	8,161.80					
100.00	100.00	16,659.00	7,678.61	0.13	161.70	39.15	1,782.14	1,450.79	8,065.89	7,986.90	79.00	102.105		
200.00	200.00	16,659.00	7,678.61	0.49	161.70	39.15	1,782.14	1,450.79	7,970.09	7,891.02	79.07	100.804		
300.00	300.00	16,659.00	7,678.61	0.85	161.70	39.15	1,782.14	1,450.79	7,874.39	7,795.24	79.15	99.491		
400.00	400.00	16,659.00	7,678.61	1.21	161.70	39.15	1,782.14	1,450.79	7,778.80	7,699.56	79.24	98.166		
500.00	500.00	16,659.00	7,678.61	1.57	161.70	39.15	1,782.14	1,450.79	7,683.32	7,603.97	79.35	96.831		
600.00	600.00	16,659.00	7,678.61	1.93	161.70	39.15	1,782.14	1,450.79	7,587.95	7,508.49	79.47	95.487		
700.00	700.00	16,659.00	7,678.61	2.29	161.70	39.15	1,782.14	1,450.79	7,492.71	7,413.11	79.60	94.134		
800.00	800.00	16,659.00	7,678.61	2.64	161.70	39.15	1,782.14	1,450.79	7,397.59	7,317.85	79.74	92.772		
900.00	900.00	16,659.00	7,678.61	3.00	161.70	39.15	1,782.14	1,450.79	7,302.61	7,222.71	79.89	91.404		
1,000.00	1,000.00	16,659.00	7,678.61	3.36	161.70	39.15	1,782.14	1,450.79	7,207.76	7,127.70	80.06	90.030		
1,100.00	1,100.00	16,659.00	7,678.61	3.72	161.70	39.15	1,782.14	1,450.79	7,113.05	7,032.81	80.24	88.650		
1,200.00	1,199.98	16,659.00	7,678.61	4.07	161.70	-13.26	1,782.14	1,450.79	7,017.94	6,937.52	80.42	87.261		
1,300.00	1,299.84	16,659.00	7,678.61	4.43	161.70	-14.93	1,782.14	1,450.79	6,921.96	6,841.35	80.61	85.870		
1,400.00	1,399.45	16,659.00	7,678.61	4.79	161.70	-17.04	1,782.14	1,450.79	6,825.19	6,744.41	80.78	84.491		
1,500.00	1,498.70	16,659.00	7,678.61	5.15	161.70	-19.81	1,782.14	1,450.79	6,727.70	6,646.77	80.93	83.126		
1,600.00	1,597.47	16,659.00	7,678.61	5.53	161.70	-23.55	1,782.14	1,450.79	6,629.60	6,548.53	81.07	81.778		
1,700.00	1,695.62	16,659.00	7,678.61	5.93	161.70	-28.83	1,782.14	1,450.79	6,530.97	6,449.79	81.18	80.446		
1,800.00	1,793.06	16,659.00	7,678.61	6.35	161.70	-36.64	1,782.14	1,450.79	6,431.92	6,350.64	81.28	79.133		
1,900.00	1,889.64	16,659.00	7,678.61	6.79	161.70	-48.71	1,782.14	1,450.79	6,332.54	6,251.19	81.35	77.841		
2,000.00	1,985.27	16,659.00	7,678.61	7.27	161.70	-67.31	1,782.14	1,450.79	6,232.95	6,151.55	81.40	76.569		
2,100.00	2,079.82	16,659.00	7,678.61	7.79	161.70	-92.02	1,782.14	1,450.79	6,133.26	6,051.83	81.43	75.320		
2,200.00	2,173.17	16,659.00	7,678.61	8.36	161.70	-115.70	1,782.14	1,450.79	6,033.59	5,952.16	81.43	74.093		
2,300.00	2,265.21	16,659.00	7,678.61	8.97	161.70	-132.59	1,782.14	1,450.79	5,934.07	5,852.66	81.41	72.889		
2,400.00	2,355.84	16,659.00	7,678.61	9.64	161.70	-143.44	1,782.14	1,450.79	5,834.82	5,753.45	81.37	71.709		
2,500.00	2,444.94	16,659.00	7,678.61	10.36	161.70	-150.52	1,782.14	1,450.79	5,735.99	5,654.69	81.30	70.552		
2,591.69	2,525.19	16,659.00	7,678.61	11.07	161.70	-155.02	1,782.14	1,450.79	5,645.86	5,564.64	81.22	69.512		
2,600.00	2,532.40	16,659.00	7,678.61	11.14	161.70	-155.02	1,782.14	1,450.79	5,637.72	5,556.51	81.21	69.421		
2,700.00	2,619.15	16,659.00	7,678.61	11.96	161.70	-155.02	1,782.14	1,450.79	5,539.76	5,458.64	81.12	68.287		
2,800.00	2,705.89	16,659.00	7,678.61	12.81	161.70	-155.02	1,782.14	1,450.79	5,441.88	5,360.83	81.04	67.147		
2,900.00	2,792.64	16,659.00	7,678.61	13.67	161.70	-155.02	1,782.14	1,450.79	5,344.07	5,263.11	80.97	66.003		
3,000.00	2,879.39	16,659.00	7,678.61	14.55	161.70	-155.02	1,782.14	1,450.79	5,246.35	5,165.46	80.90	64.853		
3,100.00	2,966.14	16,659.00	7,678.61	15.44	161.70	-155.02	1,782.14	1,450.79	5,148.72	5,067.89	80.83	63.698		
3,200.00	3,052.88	16,659.00	7,678.61	16.34	161.70	-155.02	1,782.14	1,450.79	5,051.18	4,970.41	80.77	62.537		
3,300.00	3,139.63	16,659.00	7,678.61	17.25	161.70	-155.02	1,782.14	1,450.79	4,953.73	4,873.02	80.72	61.372		
3,400.00	3,226.38	16,659.00	7,678.61	18.17	161.70	-155.02	1,782.14	1,450.79	4,856.39	4,775.73	80.67	60.202		
3,500.00	3,313.12	16,659.00	7,678.61	19.09	161.70	-155.02	1,782.14	1,450.79	4,759.17	4,678.54	80.63	59.027		
3,600.00	3,399.87	16,659.00	7,678.61	20.02	161.70	-155.02	1,782.14	1,450.79	4,662.05	4,581.46	80.59	57.848		
3,700.00	3,486.62	16,659.00	7,678.61	20.96	161.70	-155.02	1,782.14	1,450.79	4,565.07	4,484.50	80.57	56.663		
3,800.00	3,573.37	16,659.00	7,678.61	21.90	161.70	-155.02	1,782.14	1,450.79	4,468.21	4,387.67	80.55	55.474		
3,900.00	3,660.11	16,659.00	7,678.61	22.84	161.70	-155.02	1,782.14	1,450.79	4,371.50	4,290.96	80.54	54.280		
4,000.00	3,746.86	16,659.00	7,678.61	23.78	161.70	-155.02	1,782.14	1,450.79	4,274.94	4,194.40	80.54	53.081		
4,100.00	3,833.61	16,659.00	7,678.61	24.73	161.70	-155.02	1,782.14	1,450.79	4,178.54	4,097.99	80.55	51.877		
4,200.00	3,920.35	16,659.00	7,678.61	25.68	161.70	-155.02	1,782.14	1,450.79	4,082.31	4,001.74	80.57	50.669		
4,300.00	4,007.10	16,659.00	7,678.61	26.63	161.70	-155.02	1,782.14	1,450.79	3,986.27	3,905.67	80.60	49.455		
4,400.00	4,093.85	16,659.00	7,678.61	27.59	161.70	-155.02	1,782.14	1,450.79	3,890.43	3,809.78	80.66	48.235		
4,500.00	4,180.60	16,659.00	7,678.61	28.55	161.70	-155.02	1,782.14	1,450.79	3,794.81	3,714.08	80.72	47.010		
4,600.00	4,267.34	16,659.00	7,678.61	29.50	161.70	-155.02	1,782.14	1,450.79	3,699.41	3,618.60	80.81	45.779		
4,700.00	4,354.09	16,659.00	7,678.61	30.46	161.70	-155.02	1,782.14	1,450.79	3,604.27	3,523.35	80.92	44.542		
4,800.00	4,440.84	16,659.00	7,678.61	31.42	161.70	-155.02	1,782.14	1,450.79	3,509.39	3,428.34	81.05	43.298		
4,900.00	4,527.58	16,659.00	7,678.61	32.39	161.70	-155.02	1,782.14	1,450.79	3,414.81	3,333.59	81.21	42.047		
5,000.00	4,614.33	16,659.00	7,678.61	33.35	161.70	-155.02	1,782.14	1,450.79	3,320.54	3,239.13	81.41	40.788		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,701.08	16,659.00	7,678.61	34.31	161.70	-155.02	1,782.14	1,450.79	3,226.62	3,144.98	81.64	39.522		
5,200.00	4,787.82	16,659.00	7,678.61	35.28	161.70	-155.02	1,782.14	1,450.79	3,133.08	3,051.16	81.92	38.247		
5,300.00	4,874.57	16,659.00	7,678.61	36.25	161.70	-155.02	1,782.14	1,450.79	3,039.95	2,957.70	82.24	36.963		
5,400.00	4,961.32	16,659.00	7,678.61	37.21	161.70	-155.02	1,782.14	1,450.79	2,947.26	2,864.64	82.63	35.670		
5,500.00	5,048.07	16,659.00	7,678.61	38.18	161.70	-155.02	1,782.14	1,450.79	2,855.07	2,772.00	83.08	34.366		
5,600.00	5,134.81	16,659.00	7,678.61	39.15	161.70	-155.02	1,782.14	1,450.79	2,763.43	2,679.82	83.61	33.052		
5,700.00	5,221.56	16,659.00	7,678.61	40.12	161.70	-155.02	1,782.14	1,450.79	2,672.38	2,588.15	84.23	31.728		
5,800.00	5,308.31	16,659.00	7,678.61	41.09	161.70	-155.02	1,782.14	1,450.79	2,582.00	2,497.04	84.95	30.393		
5,900.00	5,395.05	16,659.00	7,678.61	42.06	161.70	-155.02	1,782.14	1,450.79	2,492.35	2,406.55	85.80	29.047		
6,000.00	5,481.80	16,659.00	7,678.61	43.03	161.70	-155.02	1,782.14	1,450.79	2,403.52	2,316.72	86.80	27.692		
6,100.00	5,568.55	16,659.00	7,678.61	44.00	161.70	-155.02	1,782.14	1,450.79	2,315.60	2,227.64	87.95	26.327		
6,200.00	5,655.30	16,659.00	7,678.61	44.97	161.70	-155.02	1,782.14	1,450.79	2,228.69	2,139.39	89.31	24.955		
6,300.00	5,742.04	16,659.00	7,678.61	45.94	161.70	-155.02	1,782.14	1,450.79	2,142.93	2,052.05	90.88	23.579		
6,400.00	5,828.79	16,659.00	7,678.61	46.92	161.70	-155.02	1,782.14	1,450.79	2,058.46	1,965.74	92.72	22.202		
6,500.00	5,915.54	16,659.00	7,678.61	47.89	161.70	-155.02	1,782.14	1,450.79	1,975.43	1,880.59	94.85	20.828		
6,600.00	6,002.28	16,659.00	7,678.61	48.86	161.70	-155.02	1,782.14	1,450.79	1,894.05	1,796.74	97.32	19.463		
6,700.00	6,089.03	16,659.00	7,678.61	49.83	161.70	-155.02	1,782.14	1,450.79	1,814.53	1,714.36	100.17	18.115		
6,800.00	6,175.78	16,659.00	7,678.61	50.81	161.70	-155.02	1,782.14	1,450.79	1,737.13	1,633.68	103.45	16.792		
6,900.00	6,262.53	16,659.00	7,678.61	51.78	161.70	-155.02	1,782.14	1,450.79	1,662.14	1,554.93	107.21	15.504		
7,000.00	6,349.27	16,659.00	7,678.61	52.76	161.70	-155.02	1,782.14	1,450.79	1,589.90	1,478.42	111.48	14.261		
7,100.00	6,436.02	16,659.00	7,678.61	53.73	161.70	-155.02	1,782.14	1,450.79	1,520.81	1,404.50	116.31	13.076		
7,200.00	6,522.77	16,659.00	7,678.61	54.71	161.70	-155.02	1,782.14	1,450.79	1,455.32	1,333.62	121.70	11.958		
7,300.00	6,609.51	16,659.00	7,678.61	55.68	161.70	-155.02	1,782.14	1,450.79	1,393.94	1,266.27	127.66	10.919		
7,400.00	6,696.26	16,659.00	7,678.61	56.66	161.70	-155.02	1,782.14	1,450.79	1,337.22	1,203.06	134.16	9.968		
7,500.00	6,783.01	16,661.21	7,678.64	57.63	161.73	-155.12	1,779.93	1,450.81	1,285.78	1,144.69	141.08	9.114		
7,600.00	6,869.76	16,631.27	7,678.28	58.61	161.21	-153.69	1,809.87	1,450.59	1,239.98	1,091.32	148.66	8.341		
7,683.49	6,942.18	16,615.73	7,677.99	59.42	160.94	-152.47	1,834.86	1,450.40	1,206.20	1,050.83	155.37	7.763		
7,700.00	6,956.57	16,602.29	7,677.94	59.58	160.71	-154.05	1,838.85	1,450.37	1,200.01	1,043.44	156.57	7.665		
7,750.00	7,000.85	16,591.60	7,677.83	60.04	160.52	-159.98	1,849.53	1,450.29	1,182.09	1,021.42	160.67	7.357		
7,800.00	7,045.94	16,584.81	7,677.77	60.46	160.41	-167.72	1,856.32	1,450.25	1,165.64	1,000.78	164.86	7.071		
7,850.00	7,091.49	16,582.01	7,677.74	60.84	160.36	-176.92	1,859.13	1,450.23	1,150.93	981.85	169.08	6.807		
7,900.00	7,137.15	16,583.28	7,677.76	61.17	160.38	173.15	1,857.85	1,450.23	1,138.19	964.93	173.26	6.569		
7,950.00	7,182.58	16,588.68	7,677.80	61.44	160.47	163.37	1,852.46	1,450.27	1,127.55	950.22	177.33	6.359		
8,000.00	7,227.43	16,598.22	7,677.90	61.67	160.64	154.39	1,842.91	1,450.34	1,119.09	937.88	181.22	6.175		
8,050.00	7,271.36	16,611.94	7,678.05	61.84	160.88	146.49	1,829.19	1,450.44	1,112.83	927.95	184.88	6.019		
8,100.00	7,314.04	16,630.45	7,678.27	61.96	161.20	139.60	1,810.69	1,450.58	1,108.68	920.43	188.25	5.889		
8,150.00	7,355.14	16,652.93	7,678.54	62.04	161.59	133.62	1,788.21	1,450.75	1,106.49	915.17	191.32	5.783		
8,180.95	7,379.65	16,659.00	7,678.61	62.06	161.70	130.71	1,782.14	1,450.79	1,106.07	912.84	193.22	5.724 CC		
8,200.00	7,394.34	16,659.00	7,678.61	62.07	161.70	129.22	1,782.14	1,450.79	1,106.23	911.83	194.40	5.690		
8,250.00	7,431.36	16,659.00	7,678.61	62.06	161.70	125.68	1,782.14	1,450.79	1,108.24	910.99	197.24	5.619 ES		
8,300.00	7,465.90	16,659.00	7,678.61	62.01	161.70	122.56	1,782.14	1,450.79	1,112.49	912.78	199.70	5.571		
8,350.00	7,497.71	16,659.00	7,678.61	61.93	161.70	119.73	1,782.14	1,450.79	1,118.93	917.18	201.75	5.546		
8,400.00	7,526.53	16,659.00	7,678.61	61.81	161.70	117.10	1,782.14	1,450.79	1,127.47	924.11	203.37	5.544 SF		
8,450.00	7,552.17	16,659.00	7,678.61	61.66	161.70	114.61	1,782.14	1,450.79	1,138.01	933.46	204.55	5.564		
8,500.00	7,574.41	16,659.00	7,678.61	61.48	161.70	112.20	1,782.14	1,450.79	1,150.41	945.11	205.30	5.604		
8,550.00	7,593.09	16,659.00	7,678.61	61.29	161.70	109.86	1,782.14	1,450.79	1,164.51	958.89	205.62	5.664		
8,600.00	7,608.07	16,659.00	7,678.61	61.07	161.70	107.55	1,782.14	1,450.79	1,180.15	974.62	205.53	5.742		
8,650.00	7,619.23	16,659.00	7,678.61	60.84	161.70	105.28	1,782.14	1,450.79	1,197.15	992.10	205.05	5.838		
8,700.00	7,626.48	16,659.00	7,678.61	60.60	161.70	103.06	1,782.14	1,450.79	1,215.34	1,011.12	204.22	5.951		
8,750.00	7,629.78	16,659.00	7,678.61	60.35	161.70	100.89	1,782.14	1,450.79	1,234.51	1,031.47	203.05	6.080		
8,766.45	7,630.00	16,659.00	7,678.61	60.27	161.70	100.20	1,782.14	1,450.79	1,241.01	1,038.41	202.59	6.126		
8,800.00	7,630.00	16,659.00	7,678.61	60.10	161.70	100.20	1,782.14	1,450.79	1,254.71	1,053.12	201.60	6.224		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
8,900.00	7,630.00	16,659.00	7,678.61	59.61	161.70	100.20	1,782.14	1,450.79	1,299.86	1,101.65	198.20	6.558		
9,000.00	7,630.00	16,659.00	7,678.61	59.15	161.70	100.20	1,782.14	1,450.79	1,350.90	1,156.58	194.33	6.952		
9,100.00	7,630.00	16,659.00	7,678.61	58.71	161.70	100.20	1,782.14	1,450.79	1,407.21	1,217.07	190.14	7.401		
9,200.00	7,630.00	16,659.00	7,678.61	58.30	161.70	100.20	1,782.14	1,450.79	1,468.19	1,282.40	185.79	7.902		
9,300.00	7,630.00	16,659.00	7,678.61	57.91	161.70	100.20	1,782.14	1,450.79	1,533.26	1,351.87	181.39	8.453		
9,400.00	7,630.00	16,659.00	7,678.61	57.54	161.70	100.20	1,782.14	1,450.79	1,601.94	1,424.91	177.02	9.049		
9,500.00	7,630.00	16,659.00	7,678.61	57.19	161.70	100.20	1,782.14	1,450.79	1,673.77	1,501.01	172.76	9.688		
9,600.00	7,630.00	16,659.00	7,678.61	56.87	161.70	100.20	1,782.14	1,450.79	1,748.38	1,579.74	168.64	10.367		
9,700.00	7,630.00	16,659.00	7,678.61	56.57	161.70	100.20	1,782.14	1,450.79	1,825.42	1,660.72	164.69	11.084		
9,800.00	7,630.00	16,659.00	7,678.61	56.30	161.70	100.20	1,782.14	1,450.79	1,904.59	1,743.66	160.93	11.835		
9,900.00	7,630.00	16,659.00	7,678.61	56.05	161.70	100.20	1,782.14	1,450.79	1,985.64	1,828.28	157.36	12.618		
10,000.00	7,630.00	16,659.00	7,678.61	55.82	161.70	100.20	1,782.14	1,450.79	2,068.35	1,914.36	153.99	13.432		
10,100.00	7,630.00	16,659.00	7,678.61	55.63	161.70	100.20	1,782.14	1,450.79	2,152.53	2,001.73	150.81	14.273		
10,200.00	7,630.00	16,659.00	7,678.61	55.46	161.70	100.20	1,782.14	1,450.79	2,238.02	2,090.21	147.81	15.141		
10,300.00	7,630.00	16,659.00	7,678.61	55.32	161.70	100.20	1,782.14	1,450.79	2,324.66	2,179.67	144.99	16.034		
10,400.00	7,630.00	16,659.00	7,678.61	55.22	161.70	100.20	1,782.14	1,450.79	2,412.33	2,270.00	142.33	16.949		
10,500.00	7,630.00	16,659.00	7,678.61	55.15	161.70	100.20	1,782.14	1,450.79	2,500.93	2,361.10	139.83	17.885		
10,600.00	7,630.00	16,659.00	7,678.61	55.14	161.70	100.20	1,782.14	1,450.79	2,590.36	2,452.88	137.48	18.841		
10,700.00	7,630.00	16,659.00	7,678.61	55.18	161.70	100.20	1,782.14	1,450.79	2,680.54	2,545.26	135.27	19.816		
10,800.00	7,630.00	16,659.00	7,678.61	55.28	161.70	100.20	1,782.14	1,450.79	2,771.39	2,638.20	133.19	20.807		
10,900.00	7,630.00	16,659.00	7,678.61	55.47	161.70	100.20	1,782.14	1,450.79	2,862.85	2,731.62	131.23	21.815		
11,000.00	7,630.00	16,659.00	7,678.61	55.74	161.70	100.20	1,782.14	1,450.79	2,954.87	2,825.48	129.39	22.837		
11,100.00	7,630.00	16,659.00	7,678.61	56.11	161.70	100.20	1,782.14	1,450.79	3,047.38	2,919.74	127.65	23.874		
11,200.00	7,630.00	16,659.00	7,678.61	56.60	161.70	100.20	1,782.14	1,450.79	3,140.36	3,014.36	126.00	24.923		
11,300.00	7,630.00	16,659.00	7,678.61	57.20	161.70	100.20	1,782.14	1,450.79	3,233.76	3,109.31	124.45	25.984		
11,400.00	7,630.00	16,659.00	7,678.61	57.91	161.70	100.20	1,782.14	1,450.79	3,327.54	3,204.55	122.98	27.057		
11,500.00	7,630.00	16,659.00	7,678.61	58.72	161.70	100.20	1,782.14	1,450.79	3,421.67	3,300.07	121.59	28.140		
11,600.00	7,630.00	16,659.00	7,678.61	59.63	161.70	100.20	1,782.14	1,450.79	3,516.12	3,395.84	120.28	29.233		
11,700.00	7,630.00	16,659.00	7,678.61	60.61	161.70	100.20	1,782.14	1,450.79	3,610.88	3,491.84	119.03	30.335		
11,800.00	7,630.00	16,659.00	7,678.61	61.67	161.70	100.20	1,782.14	1,450.79	3,705.91	3,588.05	117.85	31.445		
11,900.00	7,630.00	16,659.00	7,678.61	62.78	161.70	100.20	1,782.14	1,450.79	3,801.19	3,684.46	116.73	32.564		
12,000.00	7,630.00	16,659.00	7,678.61	63.95	161.70	100.20	1,782.14	1,450.79	3,896.71	3,781.05	115.67	33.689		
12,100.00	7,630.00	16,659.00	7,678.61	65.16	161.70	100.20	1,782.14	1,450.79	3,992.45	3,877.80	114.65	34.822		
12,200.00	7,630.00	16,659.00	7,678.61	66.41	161.70	100.20	1,782.14	1,450.79	4,088.40	3,974.71	113.69	35.961		
12,300.00	7,630.00	16,659.00	7,678.61	67.68	161.70	100.20	1,782.14	1,450.79	4,184.53	4,071.76	112.77	37.105		
12,400.00	7,630.00	16,659.00	7,678.61	68.99	161.70	100.20	1,782.14	1,450.79	4,280.85	4,168.94	111.90	38.256		
12,500.00	7,630.00	16,659.00	7,678.61	70.33	161.70	100.20	1,782.14	1,450.79	4,377.32	4,266.25	111.07	39.411		
12,600.00	7,630.00	16,659.00	7,678.61	71.68	161.70	100.20	1,782.14	1,450.79	4,473.95	4,363.68	110.27	40.571		
12,700.00	7,630.00	16,659.00	7,678.61	73.06	161.70	100.20	1,782.14	1,450.79	4,570.73	4,461.21	109.52	41.735		
12,800.00	7,630.00	16,659.00	7,678.61	74.45	161.70	100.20	1,782.14	1,450.79	4,667.64	4,558.85	108.79	42.904		
12,900.00	7,630.00	16,659.00	7,678.61	75.87	161.70	100.20	1,782.14	1,450.79	4,764.68	4,656.58	108.10	44.076		
13,000.00	7,630.00	16,659.00	7,678.61	77.29	161.70	100.20	1,782.14	1,450.79	4,861.84	4,754.40	107.44	45.252		
13,100.00	7,630.00	16,659.00	7,678.61	78.74	161.70	100.20	1,782.14	1,450.79	4,959.12	4,852.31	106.81	46.431		
13,200.00	7,630.00	16,659.00	7,678.61	80.19	161.70	100.20	1,782.14	1,450.79	5,056.50	4,950.30	106.20	47.613		
13,300.00	7,630.00	16,659.00	7,678.61	81.66	161.70	100.20	1,782.14	1,450.79	5,153.98	5,048.36	105.62	48.797		
13,400.00	7,630.00	16,659.00	7,678.61	83.14	161.70	100.20	1,782.14	1,450.79	5,251.55	5,146.49	105.06	49.984		
13,500.00	7,630.00	16,659.00	7,678.61	84.63	161.70	100.20	1,782.14	1,450.79	5,349.21	5,244.68	104.53	51.174		
13,600.00	7,630.00	16,659.00	7,678.61	86.14	161.70	100.20	1,782.14	1,450.79	5,446.96	5,342.94	104.02	52.365		
13,700.00	7,630.00	16,659.00	7,678.61	87.65	161.70	100.20	1,782.14	1,450.79	5,544.79	5,441.26	103.53	53.558		
13,800.00	7,630.00	16,659.00	7,678.61	89.17	161.70	100.20	1,782.14	1,450.79	5,642.70	5,539.64	103.06	54.753		
13,900.00	7,630.00	16,659.00	7,678.61	90.70	161.70	100.20	1,782.14	1,450.79	5,740.68	5,638.07	102.60	55.949		
14,000.00	7,630.00	16,659.00	7,678.61	92.24	161.70	100.20	1,782.14	1,450.79	5,838.72	5,736.55	102.17	57.147		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
14,100.00	7,630.00	16,659.00	7,678.61	93.78	161.70	100.20	1,782.14	1,450.79	5,936.83	5,835.08	101.75	58.346		
14,200.00	7,630.00	16,659.00	7,678.61	95.33	161.70	100.20	1,782.14	1,450.79	6,035.01	5,933.66	101.35	59.546		
14,300.00	7,630.00	16,659.00	7,678.61	96.89	161.70	100.20	1,782.14	1,450.79	6,133.24	6,032.28	100.96	60.747		
14,400.00	7,630.00	16,659.00	7,678.61	98.46	161.70	100.20	1,782.14	1,450.79	6,231.53	6,130.94	100.59	61.949		
14,500.00	7,630.00	16,659.00	7,678.61	100.03	161.70	100.20	1,782.14	1,450.79	6,329.87	6,229.64	100.23	63.151		
14,600.00	7,630.00	16,659.00	7,678.61	101.61	161.70	100.20	1,782.14	1,450.79	6,428.26	6,328.37	99.89	64.354		
14,700.00	7,630.00	16,659.00	7,678.61	103.20	161.70	100.20	1,782.14	1,450.79	6,526.70	6,427.15	99.56	65.558		
14,800.00	7,630.00	16,659.00	7,678.61	104.78	161.70	100.20	1,782.14	1,450.79	6,625.19	6,525.96	99.24	66.761		
14,900.00	7,630.00	16,659.00	7,678.61	106.38	161.70	100.20	1,782.14	1,450.79	6,723.73	6,624.80	98.93	67.965		
15,000.00	7,630.00	16,659.00	7,678.61	107.98	161.70	100.20	1,782.14	1,450.79	6,822.30	6,723.67	98.63	69.169		
15,100.00	7,630.00	16,659.00	7,678.61	109.58	161.70	100.20	1,782.14	1,450.79	6,920.92	6,822.57	98.35	70.373		
15,200.00	7,630.00	16,659.00	7,678.61	111.19	161.70	100.20	1,782.14	1,450.79	7,019.58	6,921.51	98.07	71.577		
15,300.00	7,630.00	16,659.00	7,678.61	112.81	161.70	100.20	1,782.14	1,450.79	7,118.27	7,020.47	97.80	72.781		
15,400.00	7,630.00	16,659.00	7,678.61	114.42	161.70	100.20	1,782.14	1,450.79	7,217.00	7,119.45	97.55	73.984		
15,500.00	7,630.00	16,659.00	7,678.61	116.05	161.70	100.20	1,782.14	1,450.79	7,315.76	7,218.46	97.30	75.188		
15,600.00	7,630.00	16,659.00	7,678.61	117.67	161.70	100.20	1,782.14	1,450.79	7,414.56	7,317.50	97.06	76.391		
15,700.00	7,630.00	16,659.00	7,678.61	119.30	161.70	100.20	1,782.14	1,450.79	7,513.39	7,416.56	96.83	77.593		
15,800.00	7,630.00	16,659.00	7,678.61	120.93	161.70	100.20	1,782.14	1,450.79	7,612.25	7,515.64	96.61	78.795		
15,900.00	7,630.00	16,659.00	7,678.61	122.57	161.70	100.20	1,782.14	1,450.79	7,711.14	7,614.74	96.39	79.996		
16,000.00	7,630.00	16,659.00	7,678.61	124.21	161.70	100.20	1,782.14	1,450.79	7,810.06	7,713.87	96.19	81.197		
16,100.00	7,630.00	16,659.00	7,678.61	125.85	161.70	100.20	1,782.14	1,450.79	7,909.00	7,813.01	95.99	82.397		
16,200.00	7,630.00	16,659.00	7,678.61	127.50	161.70	100.20	1,782.14	1,450.79	8,007.97	7,912.18	95.79	83.596		
16,300.00	7,630.00	16,659.00	7,678.61	129.15	161.70	100.20	1,782.14	1,450.79	8,106.97	8,011.36	95.61	84.794		
16,400.00	7,630.00	16,659.00	7,678.61	130.80	161.70	100.20	1,782.14	1,450.79	8,205.99	8,110.56	95.43	85.992		
16,500.00	7,630.00	16,659.00	7,678.61	132.46	161.70	100.20	1,782.14	1,450.79	8,305.03	8,209.78	95.25	87.188		
16,600.00	7,630.00	16,659.00	7,678.61	134.11	161.70	100.20	1,782.14	1,450.79	8,404.10	8,309.01	95.09	88.384		
16,700.00	7,630.00	16,659.00	7,678.61	135.77	161.70	100.20	1,782.14	1,450.79	8,503.19	8,408.26	94.92	89.578		
16,800.00	7,630.00	16,659.00	7,678.61	137.43	161.70	100.20	1,782.14	1,450.79	8,602.30	8,507.53	94.77	90.771		
16,900.00	7,630.00	16,659.00	7,678.61	139.10	161.70	100.20	1,782.14	1,450.79	8,701.43	8,606.81	94.62	91.964		
17,000.00	7,630.00	16,659.00	7,678.61	140.77	161.70	100.20	1,782.14	1,450.79	8,800.57	8,706.10	94.47	93.155		
17,100.00	7,630.00	16,659.00	7,678.61	142.44	161.70	100.20	1,782.14	1,450.79	8,899.74	8,805.41	94.33	94.344		
17,200.00	7,630.00	16,659.00	7,678.61	144.11	161.70	100.20	1,782.14	1,450.79	8,998.93	8,904.73	94.20	95.533		
17,300.00	7,630.00	16,659.00	7,678.61	145.78	161.70	100.20	1,782.14	1,450.79	9,098.13	9,004.07	94.07	96.720		
17,400.00	7,630.00	16,659.00	7,678.61	147.46	161.70	100.20	1,782.14	1,450.79	9,197.36	9,103.42	93.94	97.906		
17,500.00	7,630.00	16,659.00	7,678.61	149.13	161.70	100.20	1,782.14	1,450.79	9,296.60	9,202.78	93.82	99.090		
17,600.00	7,630.00	16,659.00	7,678.61	150.81	161.70	100.20	1,782.14	1,450.79	9,395.85	9,302.15	93.70	100.274		
17,700.00	7,630.00	16,659.00	7,678.61	152.49	161.70	100.20	1,782.14	1,450.79	9,495.12	9,401.53	93.59	101.455		
17,800.00	7,630.00	16,659.00	7,678.61	154.18	161.70	100.20	1,782.14	1,450.79	9,594.41	9,500.93	93.48	102.635		
17,900.00	7,630.00	16,659.00	7,678.61	155.86	161.70	100.20	1,782.14	1,450.79	9,693.71	9,600.33	93.38	103.814		
18,000.00	7,630.00	16,659.00	7,678.61	157.55	161.70	100.20	1,782.14	1,450.79	9,793.02	9,699.75	93.27	104.991		
18,100.00	7,630.00	16,659.00	7,678.61	159.24	161.70	100.20	1,782.14	1,450.79	9,892.35	9,799.17	93.18	106.166		
18,200.00	7,630.00	16,659.00	7,678.61	160.92	161.70	100.20	1,782.14	1,450.79	9,991.69	9,898.61	93.08	107.340		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	42.92	1,779.81	1,654.78	8,306.42					
100.00	100.00	16,530.00	7,789.95	0.13	159.85	42.92	1,779.81	1,654.78	8,210.84	8,133.35	77.49	105.961		
200.00	200.00	16,530.00	7,789.95	0.49	159.85	42.92	1,779.81	1,654.78	8,115.38	8,037.79	77.59	104.600		
300.00	300.00	16,530.00	7,789.95	0.85	159.85	42.92	1,779.81	1,654.78	8,020.02	7,942.33	77.69	103.225		
400.00	400.00	16,530.00	7,789.95	1.21	159.85	42.92	1,779.81	1,654.78	7,924.78	7,846.96	77.82	101.838		
500.00	500.00	16,530.00	7,789.95	1.57	159.85	42.92	1,779.81	1,654.78	7,829.66	7,751.71	77.95	100.440		
600.00	600.00	16,530.00	7,789.95	1.93	159.85	42.92	1,779.81	1,654.78	7,734.66	7,656.56	78.10	99.031		
700.00	700.00	16,530.00	7,789.95	2.29	159.85	42.92	1,779.81	1,654.78	7,639.79	7,561.52	78.27	97.612		
800.00	800.00	16,530.00	7,789.95	2.64	159.85	42.92	1,779.81	1,654.78	7,545.05	7,466.61	78.44	96.184		
900.00	900.00	16,530.00	7,789.95	3.00	159.85	42.92	1,779.81	1,654.78	7,450.45	7,371.82	78.63	94.749		
1,000.00	1,000.00	16,530.00	7,789.95	3.36	159.85	42.92	1,779.81	1,654.78	7,355.99	7,277.16	78.84	93.307		
1,100.00	1,100.00	16,530.00	7,789.95	3.72	159.85	42.92	1,779.81	1,654.78	7,261.68	7,182.63	79.05	91.859		
1,200.00	1,199.98	16,530.00	7,789.95	4.07	159.85	-9.04	1,779.81	1,654.78	7,166.96	7,087.68	79.28	90.402		
1,300.00	1,299.84	16,530.00	7,789.95	4.43	159.85	-10.13	1,779.81	1,654.78	7,071.31	6,991.81	79.50	88.945		
1,400.00	1,399.45	16,530.00	7,789.95	4.79	159.85	-11.51	1,779.81	1,654.78	6,974.82	6,895.11	79.71	87.501		
1,500.00	1,498.70	16,530.00	7,789.95	5.15	159.85	-13.30	1,779.81	1,654.78	6,877.58	6,797.67	79.90	86.075		
1,600.00	1,597.47	16,530.00	7,789.95	5.53	159.85	-15.72	1,779.81	1,654.78	6,779.66	6,699.58	80.07	84.667		
1,700.00	1,695.62	16,530.00	7,789.95	5.93	159.85	-19.14	1,779.81	1,654.78	6,681.16	6,600.93	80.23	83.278		
1,800.00	1,793.06	16,530.00	7,789.95	6.35	159.85	-24.28	1,779.81	1,654.78	6,582.18	6,501.82	80.36	81.912		
1,900.00	1,889.64	16,530.00	7,789.95	6.79	159.85	-32.68	1,779.81	1,654.78	6,482.82	6,402.36	80.46	80.568		
2,000.00	1,985.27	16,530.00	7,789.95	7.27	159.85	-47.71	1,779.81	1,654.78	6,383.19	6,302.64	80.55	79.249		
2,100.00	2,079.82	16,530.00	7,789.95	7.79	159.85	-74.91	1,779.81	1,654.78	6,283.39	6,202.79	80.60	77.954		
2,200.00	2,173.17	16,530.00	7,789.95	8.36	159.85	-109.84	1,779.81	1,654.78	6,183.55	6,102.92	80.63	76.686		
2,300.00	2,265.21	16,530.00	7,789.95	8.97	159.85	-134.44	1,779.81	1,654.78	6,083.78	6,003.15	80.64	75.445		
2,400.00	2,355.84	16,530.00	7,789.95	9.64	159.85	-147.82	1,779.81	1,654.78	5,984.22	5,903.61	80.62	74.231		
2,500.00	2,444.94	16,530.00	7,789.95	10.36	159.85	-155.41	1,779.81	1,654.78	5,885.00	5,804.44	80.57	73.045		
2,591.69	2,525.19	16,530.00	7,789.95	11.07	159.85	-159.82	1,779.81	1,654.78	5,794.44	5,713.95	80.50	71.982		
2,600.00	2,532.40	16,530.00	7,789.95	11.14	159.85	-159.82	1,779.81	1,654.78	5,786.26	5,705.77	80.49	71.889		
2,700.00	2,619.15	16,530.00	7,789.95	11.96	159.85	-159.82	1,779.81	1,654.78	5,687.79	5,607.38	80.41	70.734		
2,800.00	2,705.89	16,530.00	7,789.95	12.81	159.85	-159.82	1,779.81	1,654.78	5,589.37	5,509.04	80.34	69.575		
2,900.00	2,792.64	16,530.00	7,789.95	13.67	159.85	-159.82	1,779.81	1,654.78	5,491.01	5,410.75	80.26	68.412		
3,000.00	2,879.39	16,530.00	7,789.95	14.55	159.85	-159.82	1,779.81	1,654.78	5,392.71	5,312.52	80.20	67.245		
3,100.00	2,966.14	16,530.00	7,789.95	15.44	159.85	-159.82	1,779.81	1,654.78	5,294.48	5,214.35	80.13	66.074		
3,200.00	3,052.88	16,530.00	7,789.95	16.34	159.85	-159.82	1,779.81	1,654.78	5,196.31	5,116.24	80.07	64.900		
3,300.00	3,139.63	16,530.00	7,789.95	17.25	159.85	-159.82	1,779.81	1,654.78	5,098.21	5,018.20	80.01	63.722		
3,400.00	3,226.38	16,530.00	7,789.95	18.17	159.85	-159.82	1,779.81	1,654.78	5,000.19	4,920.24	79.95	62.541		
3,500.00	3,313.12	16,530.00	7,789.95	19.09	159.85	-159.82	1,779.81	1,654.78	4,902.24	4,822.35	79.90	61.357		
3,600.00	3,399.87	16,530.00	7,789.95	20.02	159.85	-159.82	1,779.81	1,654.78	4,804.39	4,724.54	79.85	60.170		
3,700.00	3,486.62	16,530.00	7,789.95	20.96	159.85	-159.82	1,779.81	1,654.78	4,706.62	4,626.82	79.80	58.979		
3,800.00	3,573.37	16,530.00	7,789.95	21.90	159.85	-159.82	1,779.81	1,654.78	4,608.95	4,529.19	79.76	57.786		
3,900.00	3,660.11	16,530.00	7,789.95	22.84	159.85	-159.82	1,779.81	1,654.78	4,511.37	4,431.65	79.72	56.589		
4,000.00	3,746.86	16,530.00	7,789.95	23.78	159.85	-159.82	1,779.81	1,654.78	4,413.91	4,334.23	79.69	55.390		
4,100.00	3,833.61	16,530.00	7,789.95	24.73	159.85	-159.82	1,779.81	1,654.78	4,316.57	4,236.91	79.66	54.187		
4,200.00	3,920.35	16,530.00	7,789.95	25.68	159.85	-159.82	1,779.81	1,654.78	4,219.35	4,139.71	79.64	52.982		
4,300.00	4,007.10	16,530.00	7,789.95	26.63	159.85	-159.82	1,779.81	1,654.78	4,122.26	4,042.64	79.62	51.773		
4,400.00	4,093.85	16,530.00	7,789.95	27.59	159.85	-159.82	1,779.81	1,654.78	4,025.31	3,945.70	79.61	50.561		
4,500.00	4,180.60	16,530.00	7,789.95	28.55	159.85	-159.82	1,779.81	1,654.78	3,928.52	3,848.91	79.61	49.346		
4,600.00	4,267.34	16,530.00	7,789.95	29.50	159.85	-159.82	1,779.81	1,654.78	3,831.89	3,752.27	79.62	48.128		
4,700.00	4,354.09	16,530.00	7,789.95	30.46	159.85	-159.82	1,779.81	1,654.78	3,735.44	3,655.81	79.64	46.906		
4,800.00	4,440.84	16,530.00	7,789.95	31.42	159.85	-159.82	1,779.81	1,654.78	3,639.19	3,559.52	79.67	45.679		
4,900.00	4,527.58	16,530.00	7,789.95	32.39	159.85	-159.82	1,779.81	1,654.78	3,543.13	3,463.42	79.71	44.449		
5,000.00	4,614.33	16,530.00	7,789.95	33.35	159.85	-159.82	1,779.81	1,654.78	3,447.31	3,367.53	79.77	43.214		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,701.08	16,530.00	7,789.95	34.31	159.85	-159.82	1,779.81	1,654.78	3,351.72	3,271.87	79.85	41.975		
5,200.00	4,787.82	16,530.00	7,789.95	35.28	159.85	-159.82	1,779.81	1,654.78	3,256.41	3,176.45	79.95	40.729		
5,300.00	4,874.57	16,530.00	7,789.95	36.25	159.85	-159.82	1,779.81	1,654.78	3,161.38	3,081.30	80.08	39.478		
5,400.00	4,961.32	16,530.00	7,789.95	37.21	159.85	-159.82	1,779.81	1,654.78	3,066.67	2,986.43	80.23	38.221		
5,500.00	5,048.07	16,530.00	7,789.95	38.18	159.85	-159.82	1,779.81	1,654.78	2,972.30	2,891.87	80.43	36.957		
5,600.00	5,134.81	16,530.00	7,789.95	39.15	159.85	-159.82	1,779.81	1,654.78	2,878.32	2,797.66	80.66	35.684		
5,700.00	5,221.56	16,530.00	7,789.95	40.12	159.85	-159.82	1,779.81	1,654.78	2,784.75	2,703.81	80.94	34.404		
5,800.00	5,308.31	16,530.00	7,789.95	41.09	159.85	-159.82	1,779.81	1,654.78	2,691.65	2,610.36	81.28	33.114		
5,900.00	5,395.05	16,530.00	7,789.95	42.06	159.85	-159.82	1,779.81	1,654.78	2,599.06	2,517.36	81.69	31.815		
6,000.00	5,481.80	16,530.00	7,789.95	43.03	159.85	-159.82	1,779.81	1,654.78	2,507.03	2,424.85	82.18	30.505		
6,100.00	5,568.55	16,530.00	7,789.95	44.00	159.85	-159.82	1,779.81	1,654.78	2,415.65	2,332.87	82.77	29.184		
6,200.00	5,655.30	16,530.00	7,789.95	44.97	159.85	-159.82	1,779.81	1,654.78	2,324.97	2,241.49	83.48	27.852		
6,300.00	5,742.04	16,530.00	7,789.95	45.94	159.85	-159.82	1,779.81	1,654.78	2,235.09	2,150.77	84.32	26.508		
6,400.00	5,828.79	16,530.00	7,789.95	46.92	159.85	-159.82	1,779.81	1,654.78	2,146.10	2,060.78	85.32	25.154		
6,500.00	5,915.54	16,530.00	7,789.95	47.89	159.85	-159.82	1,779.81	1,654.78	2,058.12	1,971.61	86.52	23.789		
6,600.00	6,002.28	16,530.00	7,789.95	48.86	159.85	-159.82	1,779.81	1,654.78	1,971.29	1,883.35	87.94	22.416		
6,700.00	6,089.03	16,530.00	7,789.95	49.83	159.85	-159.82	1,779.81	1,654.78	1,885.77	1,796.13	89.64	21.038		
6,800.00	6,175.78	16,530.00	7,789.95	50.81	159.85	-159.82	1,779.81	1,654.78	1,801.74	1,710.09	91.65	19.659		
6,900.00	6,262.53	16,530.00	7,789.95	51.78	159.85	-159.82	1,779.81	1,654.78	1,719.41	1,625.38	94.04	18.284		
7,000.00	6,349.27	16,530.00	7,789.95	52.76	159.85	-159.82	1,779.81	1,654.78	1,639.06	1,542.20	96.86	16.923		
7,100.00	6,436.02	16,530.00	7,789.95	53.73	159.85	-159.82	1,779.81	1,654.78	1,560.98	1,460.81	100.17	15.584		
7,200.00	6,522.77	16,530.00	7,789.95	54.71	159.85	-159.82	1,779.81	1,654.78	1,485.52	1,381.48	104.04	14.279		
7,300.00	6,609.51	16,530.00	7,789.95	55.68	159.85	-159.82	1,779.81	1,654.78	1,413.12	1,304.60	108.52	13.021		
7,400.00	6,696.26	16,530.00	7,789.95	56.66	159.85	-159.82	1,779.81	1,654.78	1,344.26	1,230.59	113.67	11.826		
7,500.00	6,783.01	16,530.00	7,789.95	57.63	159.85	-159.82	1,779.81	1,654.78	1,279.52	1,160.01	119.51	10.706		
7,600.00	6,869.76	16,530.00	7,789.95	58.61	159.85	-159.82	1,779.81	1,654.78	1,219.55	1,093.52	126.02	9.677		
7,683.49	6,942.18	16,530.00	7,789.95	59.42	159.85	-159.82	1,779.81	1,654.78	1,173.66	1,041.72	131.94	8.896		
7,700.00	6,956.57	16,531.70	7,789.90	59.58	159.88	-161.36	1,778.11	1,654.85	1,165.03	1,031.89	133.14	8.750		
7,750.00	7,000.85	16,518.92	7,790.32	60.04	159.66	-166.10	1,790.87	1,654.34	1,139.32	1,002.10	137.22	8.303		
7,800.00	7,045.94	16,510.39	7,790.59	60.46	159.51	-172.60	1,799.39	1,653.99	1,114.45	972.89	141.56	7.873		
7,850.00	7,091.49	16,506.18	7,790.73	60.84	159.44	179.43	1,803.59	1,653.82	1,090.77	944.66	146.11	7.466		
7,900.00	7,137.15	16,506.33	7,790.73	61.17	159.44	170.71	1,803.45	1,653.83	1,068.61	917.80	150.81	7.086		
7,950.00	7,182.58	16,510.82	7,790.58	61.44	159.52	162.08	1,798.96	1,654.01	1,048.23	892.63	155.59	6.737		
8,000.00	7,227.43	16,519.63	7,790.29	61.67	159.67	154.20	1,790.16	1,654.36	1,029.83	869.45	160.38	6.421		
8,050.00	7,271.36	16,532.69	7,789.87	61.84	159.90	147.32	1,777.12	1,654.89	1,013.57	848.47	165.09	6.139		
8,100.00	7,314.04	16,530.00	7,789.95	61.96	159.85	142.50	1,779.81	1,654.78	999.70	829.61	170.09	5.878		
8,150.00	7,355.14	16,530.00	7,789.95	62.04	159.85	138.48	1,779.81	1,654.78	988.47	813.60	174.87	5.653		
8,200.00	7,394.34	16,530.00	7,789.95	62.07	159.85	135.18	1,779.81	1,654.78	980.08	800.67	179.41	5.463		
8,250.00	7,431.36	16,530.00	7,789.95	62.06	159.85	132.38	1,779.81	1,654.78	974.64	791.05	183.60	5.309		
8,300.00	7,465.90	16,530.00	7,789.95	62.01	159.85	129.92	1,779.81	1,654.78	972.27	784.93	187.34	5.190		
8,313.41	7,474.70	16,530.00	7,789.95	61.99	159.85	129.30	1,779.81	1,654.78	972.15	783.90	188.26	5.164 CC		
8,350.00	7,497.71	16,530.00	7,789.95	61.93	159.85	127.67	1,779.81	1,654.78	972.98	782.42	190.56	5.106 ES		
8,400.00	7,526.53	16,530.00	7,789.95	61.81	159.85	125.54	1,779.81	1,654.78	976.79	783.59	193.20	5.056		
8,450.00	7,552.17	16,530.00	7,789.95	61.66	159.85	123.43	1,779.81	1,654.78	983.61	788.39	195.21	5.039 SF		
8,500.00	7,574.41	16,530.00	7,789.95	61.48	159.85	121.32	1,779.81	1,654.78	993.34	796.75	196.59	5.053		
8,550.00	7,593.09	16,530.00	7,789.95	61.29	159.85	119.15	1,779.81	1,654.78	1,005.81	808.50	197.32	5.097		
8,600.00	7,608.07	16,530.00	7,789.95	61.07	159.85	116.90	1,779.81	1,654.78	1,020.85	823.42	197.43	5.171		
8,650.00	7,619.23	16,530.00	7,789.95	60.84	159.85	114.57	1,779.81	1,654.78	1,038.21	841.26	196.95	5.271		
8,700.00	7,626.48	16,530.00	7,789.95	60.60	159.85	112.16	1,779.81	1,654.78	1,057.66	861.72	195.94	5.398		
8,750.00	7,629.78	16,530.00	7,789.95	60.35	159.85	109.67	1,779.81	1,654.78	1,078.95	884.50	194.45	5.549		
8,766.45	7,630.00	16,530.00	7,789.95	60.27	159.85	108.85	1,779.81	1,654.78	1,086.31	892.44	193.86	5.603		
8,800.00	7,630.00	16,530.00	7,789.95	60.10	159.85	108.85	1,779.81	1,654.78	1,101.89	909.31	192.58	5.722		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
8,900.00	7,630.00	16,530.00	7,789.95	59.61	159.85	108.85	1,779.81	1,654.78	1,152.89	964.54	188.34	6.121		
9,000.00	7,630.00	16,530.00	7,789.95	59.15	159.85	108.85	1,779.81	1,654.78	1,210.02	1,026.32	183.70	6.587		
9,100.00	7,630.00	16,530.00	7,789.95	58.71	159.85	108.85	1,779.81	1,654.78	1,272.45	1,093.59	178.86	7.114		
9,200.00	7,630.00	16,530.00	7,789.95	58.30	159.85	108.85	1,779.81	1,654.78	1,339.44	1,165.46	173.99	7.698		
9,300.00	7,630.00	16,530.00	7,789.95	57.91	159.85	108.85	1,779.81	1,654.78	1,410.35	1,241.14	169.21	8.335		
9,400.00	7,630.00	16,530.00	7,789.95	57.54	159.85	108.85	1,779.81	1,654.78	1,484.61	1,320.01	164.60	9.019		
9,500.00	7,630.00	16,530.00	7,789.95	57.19	159.85	108.85	1,779.81	1,654.78	1,561.75	1,401.54	160.21	9.748		
9,600.00	7,630.00	16,530.00	7,789.95	56.87	159.85	108.85	1,779.81	1,654.78	1,641.36	1,485.30	156.06	10.518		
9,700.00	7,630.00	16,530.00	7,789.95	56.57	159.85	108.85	1,779.81	1,654.78	1,723.09	1,570.93	152.16	11.324		
9,800.00	7,630.00	16,530.00	7,789.95	56.30	159.85	108.85	1,779.81	1,654.78	1,806.66	1,658.15	148.51	12.166		
9,900.00	7,630.00	16,530.00	7,789.95	56.05	159.85	108.85	1,779.81	1,654.78	1,891.83	1,746.73	145.10	13.038		
10,000.00	7,630.00	16,530.00	7,789.95	55.82	159.85	108.85	1,779.81	1,654.78	1,978.38	1,836.46	141.92	13.940		
10,100.00	7,630.00	16,530.00	7,789.95	55.63	159.85	108.85	1,779.81	1,654.78	2,066.15	1,927.19	138.96	14.868		
10,200.00	7,630.00	16,530.00	7,789.95	55.46	159.85	108.85	1,779.81	1,654.78	2,154.98	2,018.78	136.21	15.821		
10,300.00	7,630.00	16,530.00	7,789.95	55.32	159.85	108.85	1,779.81	1,654.78	2,244.76	2,111.12	133.64	16.796		
10,400.00	7,630.00	16,530.00	7,789.95	55.22	159.85	108.85	1,779.81	1,654.78	2,335.37	2,204.11	131.26	17.792		
10,500.00	7,630.00	16,530.00	7,789.95	55.15	159.85	108.85	1,779.81	1,654.78	2,426.71	2,297.68	129.03	18.808		
10,600.00	7,630.00	16,530.00	7,789.95	55.14	159.85	108.85	1,779.81	1,654.78	2,518.71	2,391.76	126.95	19.840		
10,700.00	7,630.00	16,530.00	7,789.95	55.18	159.85	108.85	1,779.81	1,654.78	2,611.30	2,486.29	125.01	20.889		
10,800.00	7,630.00	16,530.00	7,789.95	55.28	159.85	108.85	1,779.81	1,654.78	2,704.42	2,581.22	123.20	21.952		
10,900.00	7,630.00	16,530.00	7,789.95	55.47	159.85	108.85	1,779.81	1,654.78	2,798.01	2,676.51	121.50	23.029		
11,000.00	7,630.00	16,530.00	7,789.95	55.74	159.85	108.85	1,779.81	1,654.78	2,892.03	2,772.12	119.91	24.119		
11,100.00	7,630.00	16,530.00	7,789.95	56.11	159.85	108.85	1,779.81	1,654.78	2,986.44	2,868.03	118.42	25.220		
11,200.00	7,630.00	16,530.00	7,789.95	56.60	159.85	108.85	1,779.81	1,654.78	3,081.20	2,964.19	117.01	26.332		
11,300.00	7,630.00	16,530.00	7,789.95	57.20	159.85	108.85	1,779.81	1,654.78	3,176.29	3,060.59	115.70	27.453		
11,400.00	7,630.00	16,530.00	7,789.95	57.91	159.85	108.85	1,779.81	1,654.78	3,271.66	3,157.21	114.46	28.584		
11,500.00	7,630.00	16,530.00	7,789.95	58.72	159.85	108.85	1,779.81	1,654.78	3,367.31	3,254.02	113.29	29.723		
11,600.00	7,630.00	16,530.00	7,789.95	59.63	159.85	108.85	1,779.81	1,654.78	3,463.20	3,351.01	112.19	30.870		
11,700.00	7,630.00	16,530.00	7,789.95	60.61	159.85	108.85	1,779.81	1,654.78	3,559.32	3,448.17	111.15	32.023		
11,800.00	7,630.00	16,530.00	7,789.95	61.67	159.85	108.85	1,779.81	1,654.78	3,655.64	3,545.48	110.17	33.183		
11,900.00	7,630.00	16,530.00	7,789.95	62.78	159.85	108.85	1,779.81	1,654.78	3,752.16	3,642.93	109.24	34.349		
12,000.00	7,630.00	16,530.00	7,789.95	63.95	159.85	108.85	1,779.81	1,654.78	3,848.86	3,740.50	108.36	35.521		
12,100.00	7,630.00	16,530.00	7,789.95	65.16	159.85	108.85	1,779.81	1,654.78	3,945.72	3,838.20	107.52	36.697		
12,200.00	7,630.00	16,530.00	7,789.95	66.41	159.85	108.85	1,779.81	1,654.78	4,042.73	3,936.00	106.73	37.878		
12,300.00	7,630.00	16,530.00	7,789.95	67.68	159.85	108.85	1,779.81	1,654.78	4,139.89	4,033.91	105.98	39.064		
12,400.00	7,630.00	16,530.00	7,789.95	68.99	159.85	108.85	1,779.81	1,654.78	4,237.17	4,131.91	105.26	40.253		
12,500.00	7,630.00	16,530.00	7,789.95	70.33	159.85	108.85	1,779.81	1,654.78	4,334.58	4,230.00	104.59	41.445		
12,600.00	7,630.00	16,530.00	7,789.95	71.68	159.85	108.85	1,779.81	1,654.78	4,432.11	4,328.17	103.94	42.641		
12,700.00	7,630.00	16,530.00	7,789.95	73.06	159.85	108.85	1,779.81	1,654.78	4,529.75	4,426.42	103.32	43.840		
12,800.00	7,630.00	16,530.00	7,789.95	74.45	159.85	108.85	1,779.81	1,654.78	4,627.48	4,524.74	102.74	45.042		
12,900.00	7,630.00	16,530.00	7,789.95	75.87	159.85	108.85	1,779.81	1,654.78	4,725.31	4,623.13	102.18	46.245		
13,000.00	7,630.00	16,530.00	7,789.95	77.29	159.85	108.85	1,779.81	1,654.78	4,823.23	4,721.58	101.65	47.451		
13,100.00	7,630.00	16,530.00	7,789.95	78.74	159.85	108.85	1,779.81	1,654.78	4,921.23	4,820.10	101.14	48.659		
13,200.00	7,630.00	16,530.00	7,789.95	80.19	159.85	108.85	1,779.81	1,654.78	5,019.31	4,918.66	100.65	49.869		
13,300.00	7,630.00	16,530.00	7,789.95	81.66	159.85	108.85	1,779.81	1,654.78	5,117.47	5,017.29	100.18	51.080		
13,400.00	7,630.00	16,530.00	7,789.95	83.14	159.85	108.85	1,779.81	1,654.78	5,215.70	5,115.96	99.74	52.293		
13,500.00	7,630.00	16,530.00	7,789.95	84.63	159.85	108.85	1,779.81	1,654.78	5,313.99	5,214.67	99.31	53.507		
13,600.00	7,630.00	16,530.00	7,789.95	86.14	159.85	108.85	1,779.81	1,654.78	5,412.34	5,313.44	98.91	54.722		
13,700.00	7,630.00	16,530.00	7,789.95	87.65	159.85	108.85	1,779.81	1,654.78	5,510.76	5,412.24	98.52	55.938		
13,800.00	7,630.00	16,530.00	7,789.95	89.17	159.85	108.85	1,779.81	1,654.78	5,609.23	5,511.09	98.14	57.154		
13,900.00	7,630.00	16,530.00	7,789.95	90.70	159.85	108.85	1,779.81	1,654.78	5,707.75	5,609.97	97.78	58.372		
14,000.00	7,630.00	16,530.00	7,789.95	92.24	159.85	108.85	1,779.81	1,654.78	5,806.32	5,708.89	97.44	59.589		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
14,100.00	7,630.00	16,530.00	7,789.95	93.78	159.85	108.85	1,779.81	1,654.78	5,904.95	5,807.84	97.11	60.807		
14,200.00	7,630.00	16,530.00	7,789.95	95.33	159.85	108.85	1,779.81	1,654.78	6,003.61	5,906.82	96.79	62.026		
14,300.00	7,630.00	16,530.00	7,789.95	96.89	159.85	108.85	1,779.81	1,654.78	6,102.32	6,005.84	96.49	63.244		
14,400.00	7,630.00	16,530.00	7,789.95	98.46	159.85	108.85	1,779.81	1,654.78	6,201.08	6,104.88	96.20	64.463		
14,500.00	7,630.00	16,530.00	7,789.95	100.03	159.85	108.85	1,779.81	1,654.78	6,299.87	6,203.95	95.92	65.681		
14,600.00	7,630.00	16,530.00	7,789.95	101.61	159.85	108.85	1,779.81	1,654.78	6,398.70	6,303.05	95.65	66.900		
14,700.00	7,630.00	16,530.00	7,789.95	103.20	159.85	108.85	1,779.81	1,654.78	6,497.56	6,402.17	95.39	68.118		
14,800.00	7,630.00	16,530.00	7,789.95	104.78	159.85	108.85	1,779.81	1,654.78	6,596.46	6,501.32	95.14	69.336		
14,900.00	7,630.00	16,530.00	7,789.95	106.38	159.85	108.85	1,779.81	1,654.78	6,695.39	6,600.49	94.90	70.554		
15,000.00	7,630.00	16,530.00	7,789.95	107.98	159.85	108.85	1,779.81	1,654.78	6,794.35	6,699.69	94.67	71.771		
15,100.00	7,630.00	16,530.00	7,789.95	109.58	159.85	108.85	1,779.81	1,654.78	6,893.35	6,798.90	94.45	72.987		
15,200.00	7,630.00	16,530.00	7,789.95	111.19	159.85	108.85	1,779.81	1,654.78	6,992.37	6,898.14	94.23	74.203		
15,300.00	7,630.00	16,530.00	7,789.95	112.81	159.85	108.85	1,779.81	1,654.78	7,091.42	6,997.39	94.03	75.419		
15,400.00	7,630.00	16,530.00	7,789.95	114.42	159.85	108.85	1,779.81	1,654.78	7,190.49	7,096.66	93.83	76.634		
15,500.00	7,630.00	16,530.00	7,789.95	116.05	159.85	108.85	1,779.81	1,654.78	7,289.59	7,195.95	93.64	77.848		
15,600.00	7,630.00	16,530.00	7,789.95	117.67	159.85	108.85	1,779.81	1,654.78	7,388.72	7,295.26	93.46	79.061		
15,700.00	7,630.00	16,530.00	7,789.95	119.30	159.85	108.85	1,779.81	1,654.78	7,487.87	7,394.59	93.28	80.273		
15,800.00	7,630.00	16,530.00	7,789.95	120.93	159.85	108.85	1,779.81	1,654.78	7,587.04	7,493.93	93.11	81.484		
15,900.00	7,630.00	16,530.00	7,789.95	122.57	159.85	108.85	1,779.81	1,654.78	7,686.23	7,593.28	92.95	82.695		
16,000.00	7,630.00	16,530.00	7,789.95	124.21	159.85	108.85	1,779.81	1,654.78	7,785.44	7,692.65	92.79	83.904		
16,100.00	7,630.00	16,530.00	7,789.95	125.85	159.85	108.85	1,779.81	1,654.78	7,884.67	7,792.04	92.64	85.112		
16,200.00	7,630.00	16,530.00	7,789.95	127.50	159.85	108.85	1,779.81	1,654.78	7,983.93	7,891.43	92.49	86.319		
16,300.00	7,630.00	16,530.00	7,789.95	129.15	159.85	108.85	1,779.81	1,654.78	8,083.20	7,990.84	92.35	87.525		
16,400.00	7,630.00	16,530.00	7,789.95	130.80	159.85	108.85	1,779.81	1,654.78	8,182.48	8,090.27	92.22	88.730		
16,500.00	7,630.00	16,530.00	7,789.95	132.46	159.85	108.85	1,779.81	1,654.78	8,281.79	8,189.70	92.09	89.934		
16,600.00	7,630.00	16,530.00	7,789.95	134.11	159.85	108.85	1,779.81	1,654.78	8,381.11	8,289.15	91.96	91.136		
16,700.00	7,630.00	16,530.00	7,789.95	135.77	159.85	108.85	1,779.81	1,654.78	8,480.45	8,388.61	91.84	92.337		
16,800.00	7,630.00	16,530.00	7,789.95	137.43	159.85	108.85	1,779.81	1,654.78	8,579.80	8,488.07	91.73	93.537		
16,900.00	7,630.00	16,530.00	7,789.95	139.10	159.85	108.85	1,779.81	1,654.78	8,679.17	8,587.55	91.62	94.735		
17,000.00	7,630.00	16,530.00	7,789.95	140.77	159.85	108.85	1,779.81	1,654.78	8,778.55	8,687.04	91.51	95.932		
17,100.00	7,630.00	16,530.00	7,789.95	142.44	159.85	108.85	1,779.81	1,654.78	8,877.95	8,786.54	91.41	97.127		
17,200.00	7,630.00	16,530.00	7,789.95	144.11	159.85	108.85	1,779.81	1,654.78	8,977.36	8,886.05	91.31	98.321		
17,300.00	7,630.00	16,530.00	7,789.95	145.78	159.85	108.85	1,779.81	1,654.78	9,076.78	8,985.57	91.21	99.513		
17,400.00	7,630.00	16,530.00	7,789.95	147.46	159.85	108.85	1,779.81	1,654.78	9,176.21	9,085.09	91.12	100.704		
17,500.00	7,630.00	16,530.00	7,789.95	149.13	159.85	108.85	1,779.81	1,654.78	9,275.66	9,184.63	91.03	101.893		
17,600.00	7,630.00	16,530.00	7,789.95	150.81	159.85	108.85	1,779.81	1,654.78	9,375.12	9,284.17	90.95	103.081		
17,700.00	7,630.00	16,530.00	7,789.95	152.49	159.85	108.85	1,779.81	1,654.78	9,474.59	9,383.72	90.87	104.267		
17,800.00	7,630.00	16,530.00	7,789.95	154.18	159.85	108.85	1,779.81	1,654.78	9,574.07	9,483.28	90.79	105.451		
17,900.00	7,630.00	16,530.00	7,789.95	155.86	159.85	108.85	1,779.81	1,654.78	9,673.56	9,582.85	90.72	106.634		
18,000.00	7,630.00	16,530.00	7,789.95	157.55	159.85	108.85	1,779.81	1,654.78	9,773.07	9,682.42	90.65	107.815		
18,100.00	7,630.00	16,530.00	7,789.95	159.24	159.85	108.85	1,779.81	1,654.78	9,872.58	9,782.00	90.58	108.994		
18,200.00	7,630.00	16,530.00	7,789.95	160.92	159.85	108.85	1,779.81	1,654.78	9,972.10	9,881.59	90.51	110.172		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
0.00	0.00	0.00	0.00	0.00	0.00	-53.69	786.89	-1,070.98	1,329.03					
100.00	100.00	83.78	83.78	0.13	0.13	-53.70	786.92	-1,071.12	1,329.12	1,328.85	0.27	4,993.753		
200.00	200.00	178.99	178.99	0.49	0.28	-53.71	787.02	-1,071.63	1,329.61	1,328.84	0.77	1,717.838 ES		
300.00	300.00	276.15	276.14	0.85	0.62	-53.72	787.25	-1,072.41	1,330.40	1,328.93	1.47	904.653		
400.00	400.00	374.42	374.41	1.21	0.97	-53.73	787.68	-1,073.30	1,331.39	1,329.21	2.18	610.403		
500.00	500.00	480.27	480.25	1.57	1.35	-53.73	788.06	-1,074.08	1,332.19	1,329.27	2.92	456.407		
600.00	600.00	561.08	561.07	1.93	1.64	-53.74	788.37	-1,074.74	1,333.16	1,329.59	3.57	373.720		
700.00	700.00	615.60	615.54	2.29	1.84	-53.74	789.51	-1,076.21	1,336.72	1,332.59	4.12	324.311		
800.00	800.00	665.76	665.56	2.64	2.02	-53.70	792.40	-1,078.71	1,344.07	1,339.41	4.66	288.711		
900.00	900.00	727.18	726.59	3.00	2.25	-53.60	798.11	-1,082.52	1,354.58	1,349.35	5.23	259.243		
1,000.00	1,000.00	801.41	800.07	3.36	2.53	-53.42	807.19	-1,087.79	1,367.53	1,361.69	5.84	234.063		
1,100.00	1,100.00	884.37	882.02	3.72	2.85	-53.21	818.27	-1,094.40	1,381.92	1,375.43	6.49	212.865		
1,200.00	1,199.98	971.37	967.82	4.07	3.21	-103.81	830.68	-1,101.76	1,397.69	1,390.53	7.16	195.252		
1,300.00	1,299.84	1,080.66	1,075.50	4.43	3.67	-103.40	847.00	-1,110.86	1,414.64	1,406.72	7.92	178.628		
1,400.00	1,399.45	1,185.17	1,178.53	4.79	4.11	-103.09	862.97	-1,117.98	1,431.35	1,422.69	8.67	165.100		
1,500.00	1,498.70	1,288.09	1,280.09	5.15	4.55	-102.93	878.01	-1,125.21	1,448.62	1,439.19	9.42	153.730		
1,600.00	1,597.47	1,398.85	1,389.45	5.53	5.02	-102.96	893.63	-1,133.21	1,466.60	1,456.38	10.22	143.471		
1,700.00	1,695.62	1,524.18	1,513.58	5.93	5.55	-103.21	909.56	-1,139.87	1,482.87	1,471.77	11.10	133.604		
1,800.00	1,793.06	1,620.52	1,609.03	6.35	5.95	-103.43	921.72	-1,144.67	1,499.89	1,488.01	11.88	126.305		
1,900.00	1,889.64	1,710.91	1,698.64	6.79	6.32	-103.74	932.32	-1,149.99	1,518.09	1,505.44	12.65	120.009		
2,000.00	1,985.27	1,801.37	1,788.36	7.27	6.69	-104.19	941.73	-1,156.60	1,537.79	1,524.33	13.45	114.324		
2,100.00	2,079.82	1,913.82	1,899.92	7.79	7.15	-104.93	953.53	-1,164.26	1,558.41	1,544.03	14.38	108.358		
2,200.00	2,173.17	1,997.99	1,983.40	8.36	7.50	-105.41	963.09	-1,169.33	1,580.19	1,564.96	15.23	103.737		
2,300.00	2,265.21	2,110.86	2,095.36	8.97	7.96	-106.26	976.12	-1,175.04	1,602.72	1,586.47	16.25	98.618		
2,400.00	2,355.84	2,198.43	2,182.24	9.64	8.32	-106.85	986.46	-1,178.93	1,626.49	1,609.29	17.20	94.546		
2,500.00	2,444.94	2,282.57	2,265.67	10.36	8.67	-107.44	996.60	-1,182.97	1,652.33	1,634.15	18.18	90.879		
2,591.69	2,525.19	2,364.98	2,347.42	11.07	9.01	-108.10	1,006.00	-1,187.26	1,677.65	1,658.51	19.14	87.657		
2,600.00	2,532.40	2,372.07	2,354.46	11.14	9.04	-108.20	1,006.79	-1,187.64	1,680.02	1,660.80	19.23	87.384		
2,700.00	2,619.15	2,460.43	2,442.16	11.96	9.40	-109.47	1,016.52	-1,192.44	1,709.05	1,688.76	20.29	84.248		
2,800.00	2,705.89	2,554.70	2,535.68	12.81	9.79	-110.76	1,027.43	-1,197.05	1,738.72	1,717.33	21.38	81.307		
2,900.00	2,792.64	2,650.67	2,630.95	13.67	10.18	-112.05	1,038.12	-1,201.46	1,768.80	1,746.31	22.50	78.630		
3,000.00	2,879.39	2,743.79	2,723.43	14.55	10.55	-113.26	1,048.16	-1,205.49	1,799.31	1,775.72	23.59	76.264		
3,100.00	2,966.14	2,834.39	2,813.37	15.44	10.92	-114.38	1,058.59	-1,208.93	1,830.36	1,805.68	24.68	74.161		
3,200.00	3,052.88	2,932.04	2,910.35	16.34	11.31	-115.56	1,069.41	-1,212.53	1,861.86	1,836.06	25.80	72.168		
3,300.00	3,139.63	3,002.89	2,980.77	17.25	11.59	-116.41	1,076.62	-1,215.38	1,894.04	1,867.27	26.77	70.744		
3,400.00	3,226.38	3,063.95	3,041.41	18.17	11.84	-117.13	1,083.02	-1,218.56	1,927.94	1,900.25	27.69	69.637		
3,500.00	3,313.12	3,126.00	3,102.90	19.09	12.10	-117.83	1,090.26	-1,222.60	1,963.78	1,935.19	28.59	68.686		
3,600.00	3,399.87	3,203.47	3,179.58	20.02	12.43	-118.68	1,099.85	-1,228.19	2,000.98	1,971.41	29.58	67.652		
3,700.00	3,486.62	3,313.56	3,288.65	20.96	12.89	-119.85	1,112.67	-1,235.81	2,038.33	2,007.58	30.74	66.302		
3,800.00	3,573.37	3,426.43	3,400.71	21.90	13.35	-121.05	1,124.29	-1,242.73	2,075.23	2,043.32	31.90	65.044		
3,900.00	3,660.11	3,527.81	3,501.45	22.84	13.76	-122.08	1,134.53	-1,247.51	2,111.32	2,078.33	33.00	63.987		
4,000.00	3,746.86	3,599.89	3,573.00	23.78	14.05	-122.77	1,142.51	-1,250.97	2,148.20	2,114.28	33.92	63.329		
4,100.00	3,833.61	3,668.57	3,641.09	24.73	14.34	-123.39	1,150.69	-1,254.76	2,186.28	2,151.46	34.82	62.787		
4,200.00	3,920.35	3,750.60	3,722.39	25.68	14.68	-124.13	1,160.42	-1,259.74	2,225.23	2,189.44	35.79	62.173		
4,300.00	4,007.10	3,863.19	3,834.16	26.63	15.14	-125.14	1,172.27	-1,266.19	2,264.01	2,227.08	36.93	61.311		
4,400.00	4,093.85	3,946.17	3,916.61	27.59	15.47	-125.87	1,180.57	-1,270.71	2,302.88	2,265.01	37.88	60.801		
4,500.00	4,180.60	4,030.12	3,999.95	28.55	15.81	-126.58	1,189.44	-1,275.53	2,342.47	2,303.64	38.83	60.331		
4,600.00	4,267.34	4,162.37	4,131.56	29.50	16.33	-127.71	1,200.79	-1,281.65	2,381.03	2,341.00	40.04	59.472		
4,700.00	4,354.09	4,239.40	4,208.29	30.46	16.62	-128.36	1,206.67	-1,284.91	2,419.70	2,378.78	40.91	59.140		
4,800.00	4,440.84	4,309.15	4,277.68	31.42	16.90	-128.91	1,213.01	-1,288.23	2,459.32	2,417.57	41.75	58.907		
4,900.00	4,527.58	4,380.71	4,348.80	32.39	17.18	-129.46	1,219.81	-1,292.09	2,499.85	2,457.26	42.59	58.696		
5,000.00	4,614.33	4,462.73	4,430.29	33.35	17.51	-130.07	1,227.88	-1,296.81	2,541.03	2,497.54	43.49	58.426		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,701.08	4,540.07	4,507.09	34.31	17.83	-130.62	1,235.77	-1,301.43	2,582.71	2,538.36	44.36	58.223		
5,200.00	4,787.82	4,617.76	4,584.21	35.28	18.14	-131.16	1,243.74	-1,306.39	2,625.02	2,579.79	45.22	58.045		
5,300.00	4,874.57	4,724.47	4,690.06	36.25	18.58	-131.86	1,255.41	-1,313.17	2,667.63	2,621.35	46.28	57.637		
5,400.00	4,961.32	4,853.33	4,817.72	37.21	19.12	-132.61	1,271.81	-1,319.29	2,709.09	2,661.58	47.51	57.026		
5,500.00	5,048.07	4,935.70	4,899.26	38.18	19.47	-133.06	1,282.95	-1,322.69	2,750.26	2,701.84	48.42	56.795		
5,600.00	5,134.81	5,001.95	4,964.80	39.15	19.75	-133.41	1,292.17	-1,325.77	2,792.08	2,742.85	49.23	56.714		
5,700.00	5,221.56	5,107.45	5,069.19	40.12	20.20	-133.96	1,306.55	-1,330.93	2,834.28	2,783.98	50.30	56.346		
5,800.00	5,308.31	5,205.11	5,166.10	41.09	20.60	-134.50	1,317.78	-1,335.19	2,876.09	2,824.80	51.29	56.075		
5,900.00	5,395.05	5,291.72	5,252.12	42.06	20.95	-134.97	1,327.22	-1,338.88	2,917.96	2,865.77	52.19	55.907		
6,000.00	5,481.80	5,383.06	5,342.80	43.03	21.32	-135.45	1,337.38	-1,342.71	2,959.96	2,906.83	53.13	55.714		
6,100.00	5,568.55	5,456.03	5,415.19	44.00	21.62	-135.82	1,346.05	-1,345.94	3,002.32	2,948.37	53.94	55.656		
6,200.00	5,655.30	5,521.16	5,479.71	44.97	21.89	-136.12	1,354.29	-1,349.18	3,045.34	2,990.63	54.71	55.666		
6,300.00	5,742.04	5,604.61	5,562.36	45.94	22.24	-136.51	1,364.87	-1,353.87	3,089.03	3,033.43	55.60	55.563		
6,400.00	5,828.79	5,692.14	5,649.16	46.92	22.61	-136.92	1,375.07	-1,358.62	3,132.71	3,076.21	56.50	55.447		
6,500.00	5,915.54	5,755.90	5,712.45	47.89	22.87	-137.22	1,381.90	-1,362.27	3,176.82	3,119.59	57.22	55.515		
6,600.00	6,002.28	5,804.49	5,760.60	48.86	23.07	-137.44	1,387.50	-1,365.60	3,222.01	3,164.18	57.84	55.709		
6,700.00	6,089.03	5,882.90	5,838.16	49.83	23.41	-137.78	1,397.22	-1,371.69	3,268.08	3,209.41	58.67	55.701		
6,800.00	6,175.78	6,012.46	5,966.50	50.81	23.95	-138.33	1,412.33	-1,380.98	3,313.82	3,253.94	59.88	55.339		
6,900.00	6,262.53	6,092.14	6,045.56	51.78	24.28	-138.68	1,420.74	-1,386.23	3,359.16	3,298.45	60.70	55.336		
7,000.00	6,349.27	6,156.20	6,109.12	52.76	24.54	-138.95	1,427.46	-1,390.68	3,404.93	3,343.52	61.41	55.445		
7,100.00	6,436.02	6,224.29	6,176.62	53.73	24.82	-139.23	1,434.73	-1,395.82	3,451.33	3,389.19	62.14	55.537		
7,200.00	6,522.77	6,313.63	6,265.12	54.71	25.20	-139.59	1,444.65	-1,402.92	3,498.17	3,435.13	63.04	55.491		
7,300.00	6,609.51	6,437.64	6,388.14	55.68	25.71	-140.08	1,457.46	-1,411.82	3,544.49	3,480.31	64.18	55.225		
7,400.00	6,696.26	6,603.24	6,552.54	56.66	26.38	-140.71	1,474.95	-1,421.34	3,589.82	3,524.20	65.61	54.711		
7,500.00	6,783.01	6,699.94	6,648.68	57.63	26.77	-141.08	1,484.47	-1,425.32	3,633.68	3,567.14	66.54	54.611		
7,600.00	6,869.76	6,773.28	6,721.70	58.61	27.05	-141.37	1,490.55	-1,428.39	3,677.85	3,610.57	67.28	54.664		
7,683.49	6,942.18	6,834.38	6,782.54	59.42	27.29	-141.61	1,495.50	-1,431.18	3,715.08	3,647.19	67.90	54.716		
7,700.00	6,956.57	6,846.70	6,794.80	59.58	27.33	-144.92	1,496.49	-1,431.77	3,722.49	3,654.47	68.02	54.726		
7,750.00	7,000.85	6,884.36	6,832.30	60.04	27.48	-155.92	1,499.54	-1,433.59	3,745.07	3,676.69	68.38	54.772		
7,800.00	7,045.94	6,933.52	6,881.26	60.46	27.67	-168.31	1,503.27	-1,435.98	3,767.65	3,698.87	68.78	54.780		
7,850.00	7,091.49	6,984.47	6,932.05	60.84	27.86	178.34	1,506.50	-1,438.31	3,789.96	3,720.80	69.16	54.800		
7,900.00	7,137.15	7,028.66	6,976.13	61.17	28.02	164.82	1,508.90	-1,440.26	3,811.88	3,742.42	69.46	54.878		
7,950.00	7,182.58	7,073.25	7,020.62	61.44	28.18	152.04	1,511.04	-1,442.20	3,833.29	3,763.55	69.74	54.967		
8,000.00	7,227.43	7,109.63	7,056.96	61.67	28.30	140.61	1,512.14	-1,443.77	3,854.09	3,784.17	69.92	55.119		
8,050.00	7,271.36	7,146.52	7,093.81	61.84	28.42	130.82	1,512.42	-1,445.35	3,874.20	3,804.11	70.09	55.278		
8,100.00	7,314.04	7,157.00	7,104.28	61.96	28.46	122.44	1,512.34	-1,445.79	3,893.58	3,823.50	70.08	55.562		
8,150.00	7,355.14	7,157.00	7,104.28	62.04	28.46	115.33	1,512.34	-1,445.79	3,912.39	3,842.41	69.99	55.903		
8,200.00	7,394.34	7,187.31	7,134.53	62.07	28.54	109.61	1,511.32	-1,447.34	3,930.10	3,860.06	70.04	56.114		
8,250.00	7,431.36	7,197.83	7,145.01	62.06	28.57	104.67	1,510.65	-1,447.99	3,947.08	3,877.10	69.98	56.406		
8,300.00	7,465.90	7,207.93	7,155.05	62.01	28.60	100.51	1,509.85	-1,448.68	3,963.05	3,893.15	69.91	56.691		
8,350.00	7,497.71	7,246.00	7,192.74	61.93	28.70	97.31	1,505.47	-1,451.79	3,978.29	3,908.32	69.97	56.860		
8,400.00	7,526.53	7,246.00	7,192.74	61.81	28.70	94.27	1,505.47	-1,451.79	3,991.78	3,921.94	69.85	57.152		
8,450.00	7,552.17	7,246.00	7,192.74	61.66	28.70	91.71	1,505.47	-1,451.79	4,004.10	3,934.37	69.73	57.425		
8,500.00	7,574.41	7,246.00	7,192.74	61.48	28.70	89.56	1,505.47	-1,451.79	4,015.16	3,945.54	69.62	57.674		
8,550.00	7,593.09	7,246.00	7,192.74	61.29	28.70	87.80	1,505.47	-1,451.79	4,024.88	3,955.36	69.52	57.896		
8,600.00	7,608.07	7,246.00	7,192.74	61.07	28.70	86.38	1,505.47	-1,451.79	4,033.20	3,963.77	69.43	58.088		
8,650.00	7,619.23	7,246.00	7,192.74	60.84	28.70	85.30	1,505.47	-1,451.79	4,040.07	3,970.71	69.36	58.245		
8,700.00	7,626.48	7,271.23	7,217.52	60.60	28.75	84.87	1,501.44	-1,454.25	4,045.23	3,975.82	69.42	58.274		
8,750.00	7,629.78	7,275.78	7,221.97	60.35	28.76	84.47	1,500.63	-1,454.73	4,049.00	3,979.59	69.40	58.339		
8,766.45	7,630.00	7,277.02	7,223.18	60.27	28.76	84.40	1,500.40	-1,454.86	4,049.90	3,980.50	69.40	58.353		
8,800.00	7,630.00	7,279.44	7,225.55	60.10	28.77	84.43	1,499.96	-1,455.11	4,051.71	3,982.30	69.40	58.379		
8,900.00	7,630.00	7,287.18	7,233.10	59.61	28.79	84.54	1,498.47	-1,455.95	4,058.71	3,989.28	69.43	58.460		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
9,000.00	7,630.00	7,295.79	7,241.48	59.15	28.80	84.66	1,496.73	-1,456.92	4,068.11	3,998.64	69.48	58.554		
9,100.00	7,630.00	8,207.71	7,891.08	58.71	29.17	93.84	933.41	-1,498.01	4,076.10	4,007.11	68.99	59.085		
9,196.87	7,630.00	8,274.35	7,906.54	58.31	29.24	94.06	868.61	-1,496.83	4,075.64	4,006.59	69.05	59.024		
9,200.00	7,630.00	8,276.27	7,906.92	58.30	29.24	94.07	866.73	-1,496.81	4,075.64	4,006.59	69.05	59.022		
9,300.00	7,630.00	8,405.97	7,924.12	57.91	29.52	94.31	738.28	-1,496.10	4,075.85	4,006.73	69.12	58.970		
9,400.00	7,630.00	9,400.00	7,928.24	57.54	36.66	94.37	597.26	-1,495.10	4,075.17	4,002.18	72.99	55.832		
9,500.00	7,630.00	8,671.00	7,928.59	57.19	30.73	94.37	473.37	-1,492.58	4,072.74	4,002.82	69.92	58.248		
9,600.00	7,630.00	8,699.95	7,928.27	56.87	30.91	94.37	444.42	-1,492.36	4,071.41	4,001.00	70.42	57.818		
9,632.46	7,630.00	8,711.37	7,928.11	56.77	30.99	94.37	433.00	-1,492.38	4,071.33	4,000.73	70.60	57.668		
9,700.00	7,630.00	8,760.00	7,927.22	56.57	31.29	94.36	384.39	-1,493.15	4,071.91	4,000.87	71.04	57.322		
9,800.00	7,630.00	8,760.00	7,927.22	56.30	31.29	94.36	384.39	-1,493.15	4,073.60	4,002.08	71.52	56.956		
9,900.00	7,630.00	8,815.71	7,926.63	56.05	31.69	94.35	328.72	-1,495.12	4,076.86	4,004.61	72.25	56.427		
10,000.00	7,630.00	9,053.66	7,935.83	55.82	33.62	94.47	91.12	-1,502.06	4,080.50	4,006.38	74.12	55.053		
10,100.00	7,630.00	9,166.86	7,939.50	55.63	34.68	94.52	-22.01	-1,502.67	4,080.96	4,005.41	75.56	54.012		
10,200.00	7,630.00	9,288.55	7,941.62	55.46	35.89	94.55	-143.69	-1,503.00	4,081.05	4,003.83	77.21	52.854		
10,300.00	7,630.00	9,416.30	7,943.76	55.32	37.27	94.58	-271.41	-1,502.47	4,080.41	4,001.30	79.11	51.580		
10,400.00	7,630.00	9,528.12	7,945.84	55.22	38.53	94.61	-383.22	-1,501.53	4,079.39	3,998.39	81.00	50.364		
10,500.00	7,630.00	9,634.62	7,947.38	55.15	39.79	94.63	-489.70	-1,500.36	4,078.08	3,995.12	82.95	49.160		
10,600.00	7,630.00	9,740.00	7,948.00	55.14	41.07	94.64	-595.06	-1,498.85	4,076.34	3,991.34	85.00	47.954		
10,700.00	7,630.00	9,800.64	7,948.11	55.18	41.84	94.65	-655.70	-1,498.22	4,075.12	3,988.53	86.59	47.060		
10,749.53	7,630.00	9,829.00	7,948.24	55.22	42.20	94.65	-684.06	-1,498.26	4,075.03	3,987.65	87.38	46.636		
10,800.00	7,630.00	9,864.41	7,948.52	55.28	42.65	94.65	-719.47	-1,498.47	4,075.17	3,986.91	88.27	46.169		
10,900.00	7,630.00	9,959.99	7,949.83	55.47	43.90	94.67	-815.03	-1,499.14	4,075.64	3,985.22	90.41	45.078		
11,000.00	7,630.00	10,077.87	7,950.55	55.74	45.47	94.68	-932.91	-1,499.86	4,075.97	3,983.02	92.95	43.851		
11,100.00	7,630.00	10,172.62	7,949.90	56.11	46.76	94.67	-1,027.65	-1,500.27	4,076.01	3,980.78	95.24	42.799		
11,200.00	7,630.00	10,251.67	7,948.81	56.60	47.86	94.65	-1,106.70	-1,500.94	4,076.42	3,979.08	97.35	41.876		
11,300.00	7,630.00	10,356.89	7,948.83	57.20	49.34	94.65	-1,211.91	-1,502.05	4,077.14	3,977.23	99.91	40.809		
11,400.00	7,630.00	10,476.33	7,948.08	57.91	51.05	94.64	-1,331.35	-1,502.88	4,077.44	3,974.68	102.77	39.677		
11,500.00	7,630.00	10,587.25	7,947.45	58.72	52.67	94.63	-1,442.26	-1,503.23	4,077.38	3,971.82	105.56	38.628		
11,600.00	7,630.00	10,708.04	7,947.90	59.63	54.45	94.64	-1,563.05	-1,503.12	4,076.99	3,968.42	108.57	37.551		
11,700.00	7,630.00	10,840.12	7,951.38	60.61	56.44	94.69	-1,695.07	-1,501.50	4,075.57	3,963.71	111.86	36.435		
11,800.00	7,630.00	10,918.34	7,952.13	61.67	57.63	94.70	-1,773.28	-1,500.86	4,074.46	3,960.21	114.26	35.660		
11,900.00	7,630.00	11,083.74	7,951.02	62.78	60.17	94.69	-1,938.65	-1,498.71	4,072.82	3,954.60	118.23	34.449		
12,000.00	7,630.00	11,139.44	7,950.84	63.95	61.03	94.69	-1,994.35	-1,497.84	4,070.87	3,950.57	120.30	33.839		
12,100.00	7,630.00	11,286.40	7,953.69	65.16	63.33	94.73	-2,141.24	-1,494.67	4,068.41	3,944.36	124.06	32.795		
12,200.00	7,630.00	11,344.00	7,954.85	66.41	64.24	94.75	-2,198.82	-1,493.81	4,066.56	3,940.35	126.21	32.220		
12,300.00	7,630.00	11,439.33	7,955.91	67.68	65.74	94.77	-2,294.14	-1,493.02	4,065.47	3,936.40	129.08	31.496		
12,400.00	7,630.00	11,555.45	7,956.99	68.99	67.59	94.79	-2,410.23	-1,490.98	4,063.40	3,931.03	132.37	30.698		
12,500.00	7,630.00	11,617.90	7,958.54	70.33	68.59	94.81	-2,472.66	-1,490.23	4,062.05	3,927.39	134.66	30.165		
12,600.00	7,630.00	11,780.33	7,960.19	71.68	71.20	94.84	-2,635.06	-1,488.00	4,060.49	3,921.59	138.90	29.234		
12,700.00	7,630.00	11,886.63	7,958.21	73.06	72.92	94.81	-2,741.31	-1,485.75	4,057.89	3,915.81	142.08	28.561		
12,800.00	7,630.00	11,949.52	7,956.03	74.45	73.94	94.78	-2,804.16	-1,484.81	4,055.75	3,911.32	144.44	28.080		
12,900.00	7,630.00	11,994.50	7,954.31	75.87	74.67	94.76	-2,849.11	-1,484.57	4,054.65	3,908.21	146.43	27.689		
12,923.00	7,630.00	12,002.99	7,954.01	76.19	74.81	94.75	-2,857.59	-1,484.61	4,054.60	3,907.75	146.85	27.610		
13,000.00	7,630.00	12,031.40	7,953.04	77.29	75.27	94.74	-2,885.98	-1,484.95	4,055.07	3,906.82	148.25	27.353		
13,100.00	7,630.00	12,081.01	7,951.54	78.74	76.08	94.72	-2,935.54	-1,486.26	4,056.99	3,906.69	150.31	26.992		
13,200.00	7,630.00	12,157.39	7,949.26	80.19	77.32	94.68	-3,011.86	-1,488.78	4,059.71	3,906.79	152.92	26.549		
13,300.00	7,630.00	12,223.99	7,947.95	81.66	78.40	94.66	-3,078.38	-1,491.40	4,063.14	3,907.82	155.32	26.160		
13,400.00	7,630.00	12,382.54	7,945.96	83.14	80.99	94.63	-3,236.84	-1,496.53	4,065.73	3,906.01	159.72	25.456		
13,500.00	7,630.00	12,602.24	7,951.26	84.63	84.62	94.70	-3,456.42	-1,499.63	4,067.40	3,901.99	165.41	24.589		
13,502.28	7,630.00	13,502.28	7,949.85	84.67	99.53	94.68	-3,419.11	-1,499.56	4,067.32	3,887.14	180.17	22.575		
13,600.00	7,630.00	12,636.93	7,952.93	86.14	85.19	94.72	-3,491.07	-1,499.83	4,067.79	3,900.55	167.24	24.323		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
13,700.00	7,630.00	12,680.00	7,955.27	87.65	85.91	94.76	-3,534.07	-1,500.52	4,069.54	3,900.33	169.21	24.050		
13,800.00	7,630.00	12,750.42	7,958.18	89.17	87.08	94.79	-3,604.40	-1,502.49	4,072.35	3,900.58	171.76	23.709		
13,900.00	7,630.00	12,862.42	7,958.97	90.70	88.93	94.80	-3,716.33	-1,506.38	4,075.55	3,900.31	175.24	23.257		
14,000.00	7,630.00	12,967.80	7,958.39	92.24	90.68	94.79	-3,821.64	-1,509.87	4,078.47	3,899.89	178.58	22.839		
14,100.00	7,630.00	13,094.49	7,955.75	93.78	92.79	94.75	-3,948.25	-1,513.46	4,080.76	3,898.35	182.40	22.372		
14,200.00	7,630.00	13,252.31	7,952.55	95.33	95.43	94.70	-4,106.00	-1,516.17	4,081.85	3,894.93	186.92	21.837		
14,300.00	7,630.00	13,321.68	7,953.07	96.89	96.60	94.71	-4,175.37	-1,517.10	4,082.92	3,893.40	189.52	21.544		
14,400.00	7,630.00	14,400.00	7,954.22	98.46	114.76	94.72	-4,302.56	-1,519.19	4,084.37	3,874.99	209.38	19.507		
14,500.00	7,630.00	13,637.51	7,957.44	100.03	101.93	94.77	-4,491.13	-1,518.00	4,083.08	3,884.48	198.60	20.559		
14,600.00	7,630.00	13,739.19	7,961.58	101.61	103.66	94.83	-4,592.71	-1,516.56	4,081.67	3,879.73	201.94	20.212		
14,700.00	7,630.00	14,700.00	7,966.43	103.20	120.06	94.90	-4,774.56	-1,512.16	4,079.08	3,858.80	220.28	18.518		
14,800.00	7,630.00	13,977.69	7,967.23	104.78	107.72	94.92	-4,831.04	-1,510.27	4,075.82	3,866.41	209.41	19.464		
14,900.00	7,630.00	14,017.00	7,968.03	106.38	108.39	94.93	-4,870.34	-1,509.77	4,074.27	3,862.83	211.44	19.269		
14,971.30	7,630.00	14,052.48	7,968.86	107.52	109.00	94.94	-4,905.81	-1,509.73	4,074.03	3,861.00	213.03	19.124		
15,000.00	7,630.00	14,070.79	7,969.30	107.98	109.31	94.95	-4,924.11	-1,509.78	4,074.06	3,860.31	213.75	19.060		
15,100.00	7,630.00	14,143.74	7,971.01	109.58	110.55	94.97	-4,997.04	-1,510.37	4,074.71	3,858.24	216.47	18.823		
15,200.00	7,630.00	14,234.12	7,972.64	111.19	112.09	94.99	-5,087.39	-1,511.52	4,075.80	3,856.21	219.59	18.561		
15,300.00	7,630.00	14,321.78	7,973.08	112.81	113.58	95.00	-5,175.04	-1,512.85	4,077.03	3,854.39	222.64	18.312		
15,400.00	7,630.00	14,472.56	7,976.15	114.42	116.15	95.04	-5,325.77	-1,514.98	4,078.49	3,851.36	227.13	17.956		
15,500.00	7,630.00	14,597.20	7,979.79	116.05	118.29	95.09	-5,450.36	-1,515.26	4,078.69	3,847.66	231.04	17.654		
15,586.96	7,630.00	14,664.77	7,980.58	117.46	119.44	95.10	-5,517.91	-1,515.03	4,078.28	3,844.75	233.52	17.464		
15,600.00	7,630.00	14,669.65	7,980.64	117.67	119.53	95.10	-5,522.80	-1,515.05	4,078.30	3,844.52	233.78	17.445		
15,700.00	7,630.00	14,730.00	7,981.85	119.30	120.56	95.12	-5,583.13	-1,516.06	4,079.53	3,843.30	236.23	17.269		
15,800.00	7,630.00	14,756.97	7,982.59	120.93	121.02	95.13	-5,610.07	-1,516.88	4,081.88	3,844.01	237.87	17.160		
15,900.00	7,630.00	15,030.39	7,989.54	122.57	125.71	95.22	-5,883.33	-1,518.04	4,081.15	3,835.93	245.22	16.643		
16,000.00	7,630.00	15,092.64	7,989.86	124.21	126.78	95.23	-5,945.57	-1,517.81	4,080.46	3,832.70	247.76	16.469		
16,100.00	7,630.00	15,280.10	7,993.45	125.85	130.02	95.28	-6,132.98	-1,515.74	4,079.27	3,826.21	253.06	16.120		
16,200.00	7,630.00	15,300.29	7,993.69	127.50	130.36	95.29	-6,153.17	-1,515.67	4,078.01	3,823.32	254.70	16.011		
16,228.19	7,630.00	15,309.81	7,993.79	127.96	130.53	95.29	-6,162.69	-1,515.67	4,077.95	3,822.72	255.23	15.977		
16,300.00	7,630.00	15,353.00	7,994.01	129.15	131.27	95.29	-6,205.88	-1,516.25	4,078.50	3,821.49	257.01	15.869		
16,400.00	7,630.00	15,613.52	7,998.52	130.80	135.77	95.36	-6,466.27	-1,512.37	4,076.22	3,812.27	263.94	15.444		
16,500.00	7,630.00	15,699.09	8,000.31	132.46	137.26	95.39	-6,551.78	-1,509.87	4,073.16	3,806.12	267.04	15.253		
16,600.00	7,630.00	15,791.07	8,002.91	134.11	138.85	95.43	-6,643.69	-1,507.37	4,070.39	3,800.11	270.28	15.060		
16,700.00	7,630.00	15,872.57	8,006.61	135.77	140.27	95.48	-6,725.07	-1,505.27	4,067.92	3,794.64	273.29	14.885		
16,800.00	7,630.00	16,025.69	8,012.43	137.43	142.93	95.57	-6,878.02	-1,500.75	4,065.00	3,787.17	277.82	14.632		
16,900.00	7,630.00	16,097.72	8,014.32	139.10	144.18	95.60	-6,949.98	-1,498.31	4,061.62	3,780.97	280.65	14.472		
17,000.00	7,630.00	16,155.00	8,016.36	140.77	145.18	95.63	-7,007.21	-1,497.10	4,059.43	3,776.30	283.14	14.337		
17,100.00	7,630.00	16,206.00	8,018.43	142.44	146.07	95.66	-7,058.17	-1,496.57	4,058.36	3,772.91	285.45	14.217		
17,200.00	7,630.00	17,200.00	8,022.22	144.11	163.32	95.72	-7,163.99	-1,495.94	4,057.79	3,753.43	304.37	13.332		
17,300.00	7,630.00	16,440.39	8,025.38	145.78	150.14	95.76	-7,292.44	-1,494.36	4,056.41	3,763.36	293.05	13.842		
17,400.00	7,630.00	16,536.38	8,026.03	147.46	151.80	95.78	-7,388.42	-1,493.26	4,055.00	3,758.62	296.38	13.682		
17,500.00	7,630.00	16,601.00	8,025.59	149.13	152.93	95.77	-7,453.03	-1,492.73	4,053.90	3,754.89	299.00	13.558		
17,562.97	7,630.00	16,645.52	8,025.31	150.19	153.70	95.77	-7,497.55	-1,492.65	4,053.61	3,752.87	300.73	13.479		
17,600.00	7,630.00	16,663.87	8,025.36	150.81	154.02	95.77	-7,515.90	-1,492.75	4,053.69	3,752.13	301.56	13.442		
17,700.00	7,630.00	16,720.55	8,025.97	152.49	155.00	95.78	-7,572.57	-1,493.50	4,054.73	3,750.79	303.94	13.340		
17,800.00	7,630.00	16,822.13	8,027.26	154.18	156.76	95.79	-7,674.12	-1,495.66	4,056.66	3,749.26	307.40	13.197		
17,900.00	7,630.00	16,946.15	8,030.51	155.86	158.91	95.84	-7,798.09	-1,496.82	4,057.44	3,746.05	311.39	13.030		
18,000.00	7,630.00	17,085.50	8,035.01	157.55	161.33	95.90	-7,937.36	-1,497.39	4,057.83	3,742.09	315.74	12.852		
18,100.00	7,630.00	17,190.37	8,036.49	159.24	163.15	95.92	-8,042.22	-1,497.38	4,057.64	3,738.35	319.28	12.709		
18,156.05	7,630.00	17,238.77	8,036.86	160.18	163.99	95.93	-8,090.62	-1,497.44	4,057.56	3,736.53	321.03	12.639		
18,200.00	7,630.00	17,269.85	8,036.93	160.92	164.53	95.93	-8,121.70	-1,497.59	4,057.63	3,735.40	322.23	12.592		
18,300.00	7,630.00	17,379.29	8,035.93	162.62	166.44	95.91	-8,231.12	-1,498.57	4,058.12	3,732.23	325.89	12.452		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<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	
18,400.00	7,630.00	17,504.84	8,032.67	164.31	168.62	95.87	-8,356.63	-1,498.93	4,057.78	3,727.84	329.93	12.299	
18,458.39	7,630.00	17,546.00	8,031.39	165.30	169.33	95.85	-8,397.78	-1,498.97	4,057.50	3,725.95	331.55	12.238 SF	



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
0.00	0.00	0.00	0.00	0.00	0.00	-53.43	786.89	-1,060.90	1,320.92					
100.00	100.00	94.76	94.76	0.13	0.14	-53.44	786.71	-1,060.73	1,320.64	1,320.37	0.28	4,768.283		
200.00	200.00	195.50	195.50	0.49	0.41	-53.44	786.22	-1,060.27	1,319.99	1,319.09	0.90	1,463.455		
300.00	300.00	291.23	291.22	0.85	0.75	-53.45	785.93	-1,060.00	1,319.59	1,317.98	1.60	822.975		
400.00	400.00	391.18	391.17	1.21	1.11	-53.45	785.81	-1,059.85	1,319.39	1,317.07	2.32	569.004		
500.00	500.00	492.77	492.77	1.57	1.47	-53.44	785.74	-1,059.52	1,319.09	1,316.05	3.04	433.980		
543.43	543.43	536.89	536.88	1.72	1.63	-53.44	785.72	-1,059.32	1,318.92	1,315.57	3.35	393.413	CC, ES	
600.00	600.00	568.46	568.45	1.93	1.73	-53.43	786.02	-1,059.54	1,319.40	1,315.74	3.66	360.481		
700.00	700.00	635.27	635.23	2.29	1.96	-53.39	787.78	-1,060.50	1,322.14	1,317.90	4.24	311.620		
800.00	800.00	700.22	700.04	2.64	2.18	-53.28	791.85	-1,061.72	1,327.41	1,322.60	4.82	275.506		
900.00	900.00	763.00	762.50	3.00	2.40	-53.12	797.86	-1,063.52	1,335.44	1,330.05	5.39	247.954		
1,000.00	1,000.00	847.96	846.81	3.36	2.71	-52.86	807.90	-1,066.59	1,345.45	1,339.42	6.04	222.808		
1,100.00	1,100.00	941.37	939.38	3.72	3.06	-52.54	819.96	-1,069.95	1,356.17	1,349.44	6.73	201.548		
1,200.00	1,199.98	1,032.73	1,029.84	4.07	3.42	-103.12	832.25	-1,073.38	1,367.80	1,360.39	7.41	184.500		
1,300.00	1,299.84	1,123.02	1,119.13	4.43	3.78	-102.72	845.20	-1,076.96	1,380.94	1,372.85	8.10	170.542		
1,400.00	1,399.45	1,225.77	1,220.73	4.79	4.20	-102.44	859.81	-1,081.38	1,395.04	1,386.20	8.84	157.859		
1,500.00	1,498.70	1,330.24	1,324.21	5.15	4.62	-102.35	873.37	-1,086.24	1,409.39	1,399.80	9.59	146.909		
1,600.00	1,597.47	1,421.15	1,414.20	5.53	4.99	-102.32	885.65	-1,090.12	1,424.55	1,414.24	10.31	138.186		
1,700.00	1,695.62	1,506.73	1,498.61	5.93	5.36	-102.27	899.42	-1,092.96	1,441.30	1,430.27	11.02	130.741		
1,800.00	1,793.06	1,621.95	1,612.11	6.35	5.85	-102.41	918.95	-1,096.34	1,459.14	1,447.24	11.90	122.609		
1,900.00	1,889.64	1,712.73	1,701.58	6.79	6.25	-102.53	934.22	-1,098.06	1,476.86	1,464.16	12.70	116.307		
2,000.00	1,985.27	1,792.63	1,780.28	7.27	6.60	-102.68	947.81	-1,100.38	1,496.36	1,482.88	13.48	111.035		
2,100.00	2,079.82	1,935.42	1,921.06	7.79	7.22	-103.41	971.31	-1,104.11	1,516.50	1,501.91	14.58	103.979		
2,200.00	2,173.17	2,057.74	2,042.35	8.36	7.72	-104.24	987.09	-1,105.50	1,534.31	1,518.68	15.62	98.197		
2,300.00	2,265.21	2,145.82	2,129.79	8.97	8.08	-104.84	997.66	-1,106.69	1,553.24	1,536.69	16.55	93.839		
2,400.00	2,355.84	2,229.12	2,212.46	9.64	8.41	-105.44	1,007.67	-1,108.34	1,574.13	1,556.63	17.50	89.948		
2,500.00	2,444.94	2,319.14	2,301.80	10.36	8.78	-106.17	1,018.61	-1,110.50	1,597.02	1,578.50	18.52	86.221		
2,591.69	2,525.19	2,401.26	2,383.33	11.07	9.11	-106.89	1,028.12	-1,112.66	1,619.47	1,599.98	19.49	83.078		
2,600.00	2,532.40	2,408.47	2,390.50	11.14	9.14	-107.00	1,028.92	-1,112.87	1,621.58	1,602.00	19.58	82.810		
2,700.00	2,619.15	2,497.78	2,479.23	11.96	9.50	-108.30	1,038.67	-1,115.58	1,647.48	1,626.82	20.66	79.735		
2,800.00	2,705.89	2,587.01	2,567.90	12.81	9.86	-109.57	1,048.33	-1,118.25	1,674.22	1,652.47	21.75	76.982		
2,900.00	2,792.64	2,682.39	2,662.73	13.67	10.23	-110.91	1,058.05	-1,121.35	1,701.78	1,678.92	22.86	74.432		
3,000.00	2,879.39	2,807.41	2,787.12	14.55	10.72	-112.60	1,070.33	-1,123.74	1,729.00	1,704.88	24.12	71.688		
3,100.00	2,966.14	2,918.50	2,897.50	15.44	11.16	-113.96	1,082.83	-1,122.95	1,755.32	1,730.00	25.32	69.323		
3,200.00	3,052.88	2,984.04	2,962.46	16.34	11.43	-114.71	1,091.39	-1,122.10	1,782.46	1,756.14	26.32	67.735		
3,300.00	3,139.63	3,058.08	3,035.83	17.25	11.73	-115.53	1,101.39	-1,122.02	1,811.32	1,783.98	27.34	66.245		
3,400.00	3,226.38	3,145.16	3,122.13	18.17	12.09	-116.49	1,112.99	-1,122.46	1,841.21	1,812.78	28.43	64.764		
3,500.00	3,313.12	3,237.44	3,213.59	19.09	12.47	-117.48	1,125.25	-1,122.98	1,871.69	1,842.15	29.54	63.369		
3,600.00	3,399.87	3,343.62	3,318.93	20.02	12.91	-118.59	1,138.51	-1,123.07	1,902.04	1,871.34	30.71	61.944		
3,700.00	3,486.62	3,424.37	3,399.16	20.96	13.23	-119.45	1,147.67	-1,123.18	1,932.67	1,900.95	31.73	60.917		
3,800.00	3,573.37	3,482.00	3,456.41	21.90	13.46	-120.04	1,154.25	-1,123.85	1,964.79	1,932.18	32.61	60.256		
3,900.00	3,660.11	3,541.39	3,515.29	22.84	13.71	-120.63	1,161.84	-1,125.28	1,998.79	1,965.30	33.49	59.688		
4,000.00	3,746.86	3,619.34	3,592.37	23.78	14.04	-121.35	1,173.21	-1,128.09	2,034.56	2,000.09	34.47	59.022		
4,100.00	3,833.61	3,737.07	3,709.06	24.73	14.53	-122.46	1,188.19	-1,131.99	2,070.14	2,034.46	35.68	58.021		
4,200.00	3,920.35	3,829.07	3,800.47	25.68	14.90	-123.34	1,198.30	-1,134.56	2,105.32	2,068.61	36.71	57.350		
4,300.00	4,007.10	3,919.46	3,890.17	26.63	15.27	-124.14	1,209.22	-1,136.82	2,140.88	2,103.15	37.73	56.736		
4,400.00	4,093.85	4,010.39	3,980.30	27.59	15.64	-124.90	1,221.11	-1,138.82	2,176.73	2,137.97	38.76	56.154		
4,500.00	4,180.60	4,109.76	4,079.05	28.55	16.04	-125.77	1,231.81	-1,141.18	2,212.70	2,172.89	39.81	55.575		
4,600.00	4,267.34	4,196.92	4,165.76	29.50	16.38	-126.53	1,240.44	-1,143.21	2,248.89	2,208.11	40.78	55.153		
4,700.00	4,354.09	4,284.53	4,252.77	30.46	16.74	-127.23	1,250.53	-1,145.06	2,285.47	2,243.72	41.75	54.743		
4,800.00	4,440.84	4,365.03	4,332.71	31.42	17.06	-127.85	1,259.74	-1,146.93	2,322.56	2,279.89	42.67	54.430		
4,900.00	4,527.58	4,443.01	4,410.16	32.39	17.38	-128.45	1,268.66	-1,149.07	2,360.32	2,316.75	43.57	54.169		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,614.33	4,531.36	4,497.66	33.35	17.75	-129.06	1,280.61	-1,151.57	2,398.70	2,354.16	44.55	53.846		
5,100.00	4,701.08	4,635.09	4,600.59	34.31	18.17	-129.79	1,293.20	-1,154.23	2,436.94	2,391.33	45.61	53.433		
5,200.00	4,787.82	4,717.68	4,682.57	35.28	18.51	-130.35	1,302.90	-1,156.13	2,475.18	2,428.65	46.52	53.201		
5,300.00	4,874.57	4,800.78	4,764.79	36.25	18.86	-130.86	1,314.76	-1,158.26	2,514.11	2,466.65	47.46	52.974		
5,400.00	4,961.32	4,893.98	4,857.07	37.21	19.25	-131.42	1,327.70	-1,160.56	2,553.12	2,504.67	48.46	52.689		
5,500.00	5,048.07	4,982.30	4,944.67	38.18	19.62	-131.97	1,338.74	-1,162.84	2,592.33	2,542.93	49.40	52.475		
5,600.00	5,134.81	5,074.83	5,036.56	39.15	19.99	-132.55	1,349.29	-1,165.28	2,631.74	2,581.38	50.36	52.263		
5,700.00	5,221.56	5,167.23	5,128.44	40.12	20.36	-133.13	1,358.83	-1,167.58	2,671.18	2,619.88	51.29	52.076		
5,800.00	5,308.31	5,252.94	5,213.59	41.09	20.70	-133.64	1,368.33	-1,169.66	2,710.82	2,658.63	52.19	51.940		
5,900.00	5,395.05	5,345.26	5,305.22	42.06	21.08	-134.16	1,379.39	-1,171.96	2,750.76	2,697.62	53.14	51.766		
6,000.00	5,481.80	5,467.50	5,426.50	43.03	21.58	-134.82	1,394.46	-1,174.21	2,790.34	2,736.05	54.29	51.397		
6,100.00	5,568.55	5,559.62	5,517.83	44.00	21.96	-135.28	1,406.50	-1,175.17	2,829.36	2,774.12	55.24	51.216		
6,200.00	5,655.30	5,654.74	5,612.36	44.97	22.34	-135.78	1,417.01	-1,176.10	2,868.44	2,812.25	56.19	51.050		
6,300.00	5,742.04	5,722.65	5,679.86	45.94	22.61	-136.14	1,424.30	-1,176.97	2,907.96	2,851.01	56.95	51.062		
6,400.00	5,828.79	5,813.42	5,770.03	46.92	22.97	-136.59	1,434.64	-1,178.49	2,947.99	2,890.13	57.86	50.949		
6,500.00	5,915.54	5,881.47	5,837.70	47.89	23.24	-136.94	1,441.67	-1,179.72	2,988.33	2,929.72	58.61	50.990		
6,600.00	6,002.28	5,966.62	5,922.39	48.86	23.58	-137.37	1,450.31	-1,181.88	3,029.45	2,969.99	59.46	50.947		
6,700.00	6,089.03	6,072.84	6,027.76	49.83	24.01	-137.84	1,463.50	-1,184.07	3,070.27	3,009.78	60.49	50.758		
6,800.00	6,175.78	6,149.55	6,103.88	50.81	24.33	-138.17	1,472.86	-1,185.55	3,111.11	3,049.81	61.30	50.752		
6,900.00	6,262.53	6,232.82	6,186.66	51.78	24.66	-138.56	1,481.66	-1,187.55	3,152.53	3,090.39	62.14	50.732		
7,000.00	6,349.27	6,324.20	6,277.45	52.76	25.03	-138.96	1,491.79	-1,189.64	3,193.97	3,130.93	63.04	50.666		
7,100.00	6,436.02	6,401.55	6,354.15	53.73	25.34	-139.26	1,501.63	-1,191.55	3,235.64	3,171.79	63.85	50.672		
7,200.00	6,522.77	6,468.43	6,420.46	54.71	25.62	-139.52	1,510.09	-1,193.56	3,277.90	3,213.31	64.59	50.750		
7,300.00	6,609.51	6,527.51	6,479.09	55.68	25.86	-139.76	1,517.01	-1,195.80	3,320.98	3,255.73	65.25	50.895		
7,400.00	6,696.26	6,607.09	6,558.19	56.66	26.18	-140.09	1,525.01	-1,199.25	3,364.73	3,298.69	66.04	50.949		
7,500.00	6,783.01	6,686.95	6,637.73	57.63	26.48	-140.46	1,531.28	-1,202.71	3,408.73	3,341.93	66.80	51.026		
7,600.00	6,869.76	6,774.30	6,724.82	58.61	26.80	-140.87	1,536.76	-1,206.57	3,453.03	3,385.44	67.60	51.084		
7,683.49	6,942.18	6,847.38	6,797.76	59.42	27.06	-141.22	1,540.24	-1,209.62	3,490.05	3,421.81	68.24	51.145		
7,700.00	6,956.57	6,860.96	6,811.31	59.58	27.10	-144.54	1,540.81	-1,210.18	3,497.40	3,429.04	68.36	51.163		
7,750.00	7,000.85	6,987.00	6,937.19	60.04	27.49	-155.88	1,540.14	-1,213.78	3,519.59	3,450.45	69.14	50.905		
7,800.00	7,045.94	6,987.00	6,937.19	60.46	27.49	-168.10	1,540.14	-1,213.78	3,541.24	3,472.03	69.21	51.167		
7,850.00	7,091.49	6,987.00	6,937.19	60.84	27.49	178.56	1,540.14	-1,213.78	3,563.27	3,494.03	69.24	51.459		
7,900.00	7,137.15	7,028.21	6,978.12	61.17	27.58	164.91	1,535.54	-1,214.44	3,584.68	3,515.27	69.41	51.644		
7,950.00	7,182.58	7,040.87	6,990.63	61.44	27.61	151.94	1,533.65	-1,214.84	3,606.37	3,536.94	69.44	51.936		
8,000.00	7,227.43	7,076.00	7,025.14	61.67	27.68	140.32	1,527.25	-1,216.45	3,628.05	3,558.53	69.52	52.187		
8,050.00	7,271.36	7,076.00	7,025.14	61.84	27.68	130.24	1,527.25	-1,216.45	3,648.84	3,579.38	69.46	52.534		
8,100.00	7,314.04	8,100.00	7,084.01	61.96	29.36	121.93	1,512.56	-1,218.76	3,668.70	3,597.62	71.08	51.612		
8,150.00	7,355.14	7,192.22	7,137.43	62.04	27.86	115.07	1,497.79	-1,220.51	3,687.29	3,617.71	69.58	52.996		
8,200.00	7,394.34	7,209.47	7,153.77	62.07	27.88	109.22	1,492.28	-1,221.06	3,704.91	3,635.40	69.51	53.300		
8,250.00	7,431.36	7,226.56	7,169.83	62.06	27.90	104.33	1,486.47	-1,221.69	3,721.53	3,652.09	69.44	53.596		
8,300.00	7,465.90	7,255.00	7,196.25	62.01	27.93	100.32	1,476.03	-1,222.94	3,737.10	3,667.73	69.37	53.871		
8,350.00	7,497.71	7,255.00	7,196.25	61.93	27.93	96.77	1,476.03	-1,222.94	3,751.40	3,682.13	69.27	54.156		
8,400.00	7,526.53	7,255.00	7,196.25	61.81	27.93	93.76	1,476.03	-1,222.94	3,764.61	3,695.43	69.17	54.425		
8,450.00	7,552.17	7,255.00	7,196.25	61.66	27.93	91.23	1,476.03	-1,222.94	3,776.63	3,707.56	69.08	54.672		
8,500.00	7,574.41	7,290.98	7,229.24	61.48	27.96	89.50	1,461.84	-1,225.10	3,786.79	3,717.75	69.04	54.851		
8,550.00	7,593.09	7,300.71	7,238.10	61.29	27.97	87.90	1,457.88	-1,225.83	3,795.86	3,726.88	68.98	55.027		
8,600.00	7,608.07	7,309.81	7,246.36	61.07	27.98	86.65	1,454.13	-1,226.57	3,803.49	3,734.55	68.94	55.170		
8,650.00	7,619.23	7,344.00	7,277.15	60.84	28.01	86.05	1,439.63	-1,229.83	3,809.96	3,741.01	68.94	55.262		
8,700.00	7,626.48	7,344.00	7,277.15	60.60	28.01	85.35	1,439.63	-1,229.83	3,814.46	3,745.53	68.93	55.336		
8,750.00	7,629.78	8,750.00	7,302.66	60.35	29.05	85.32	1,425.51	-1,232.40	3,817.41	3,747.54	69.87	54.633		
8,766.45	7,630.00	8,766.45	7,309.73	60.27	29.07	85.37	1,421.60	-1,233.12	3,818.03	3,748.14	69.89	54.629		
8,800.00	7,630.00	7,495.48	7,405.52	60.10	28.08	86.81	1,360.72	-1,241.73	3,819.10	3,750.17	68.93	55.402		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
8,900.00	7,630.00	8,900.00	7,642.23	59.61	29.24	90.36	993.90	-1,246.17	3,819.07	3,750.44	68.63	55.645		
9,000.00	7,630.00	8,017.25	7,655.85	59.15	28.30	90.57	919.05	-1,242.66	3,814.38	3,746.89	67.50	56.513		
9,100.00	7,630.00	8,057.00	7,660.81	58.71	28.37	90.64	879.63	-1,241.64	3,811.45	3,743.86	67.59	56.390		
9,200.00	7,630.00	8,182.69	7,673.31	58.30	28.72	90.83	754.62	-1,238.34	3,808.53	3,740.94	67.59	56.347		
9,300.00	7,630.00	8,243.22	7,675.11	57.91	28.93	90.86	694.14	-1,237.11	3,806.19	3,738.37	67.83	56.117		
9,400.00	7,630.00	8,326.88	7,675.31	57.54	29.28	90.86	610.49	-1,236.02	3,804.56	3,736.41	68.14	55.833		
9,500.00	7,630.00	8,415.74	7,675.46	57.19	29.73	90.87	521.64	-1,235.19	3,803.28	3,734.68	68.61	55.437		
9,600.00	7,630.00	8,541.83	7,676.05	56.87	30.52	90.88	395.55	-1,234.04	3,802.11	3,732.78	69.33	54.844		
9,700.00	7,630.00	9,700.00	7,676.23	56.57	39.23	90.88	251.55	-1,230.60	3,799.24	3,721.32	77.92	48.759		
9,800.00	7,630.00	8,751.26	7,675.89	56.30	32.11	90.87	186.19	-1,229.10	3,796.64	3,725.42	71.22	53.307		
9,900.00	7,630.00	8,806.86	7,675.58	56.05	32.59	90.87	130.59	-1,228.44	3,795.14	3,723.02	72.11	52.627		
10,000.00	7,630.00	8,866.19	7,676.33	55.82	33.12	90.88	71.27	-1,228.49	3,794.85	3,721.76	73.09	51.917		
10,026.62	7,630.00	8,915.13	7,677.25	55.77	33.59	90.89	22.33	-1,228.59	3,794.82	3,721.20	73.62	51.545		
10,100.00	7,630.00	9,039.89	7,678.86	55.63	34.83	90.92	-102.41	-1,227.60	3,794.00	3,718.92	75.07	50.537		
10,200.00	7,630.00	9,156.29	7,679.04	55.46	36.08	90.92	-218.80	-1,225.52	3,791.86	3,715.05	76.81	49.366		
10,300.00	7,630.00	9,234.39	7,679.60	55.32	36.96	90.93	-296.88	-1,224.24	3,789.90	3,711.60	78.30	48.402		
10,400.00	7,630.00	9,304.00	7,680.16	55.22	37.76	90.94	-366.49	-1,223.67	3,788.74	3,708.96	79.77	47.493		
10,500.00	7,630.00	9,393.00	7,680.46	55.15	38.82	90.94	-455.48	-1,223.23	3,787.93	3,706.39	81.54	46.456		
10,562.96	7,630.00	9,435.93	7,680.71	55.14	39.35	90.95	-498.41	-1,223.16	3,787.67	3,705.12	82.55	45.885		
10,600.00	7,630.00	9,455.81	7,680.98	55.14	39.59	90.95	-518.29	-1,223.27	3,787.75	3,704.68	83.07	45.596		
10,700.00	7,630.00	9,536.41	7,682.90	55.18	40.61	90.98	-598.86	-1,224.25	3,788.63	3,703.75	84.88	44.633		
10,800.00	7,630.00	9,638.35	7,686.25	55.28	41.92	91.03	-700.74	-1,225.47	3,789.55	3,702.50	87.06	43.529		
10,900.00	7,630.00	9,756.72	7,690.45	55.47	43.49	91.10	-819.03	-1,226.64	3,790.28	3,700.73	89.56	42.323		
11,000.00	7,630.00	9,853.99	7,694.20	55.74	44.81	91.15	-916.23	-1,227.28	3,790.68	3,698.83	91.85	41.272		
11,100.00	7,630.00	9,927.00	7,695.66	56.11	45.82	91.17	-989.21	-1,228.17	3,791.59	3,697.77	93.82	40.414		
11,200.00	7,630.00	9,999.51	7,695.73	56.60	46.83	91.17	-1,061.71	-1,229.60	3,793.21	3,697.39	95.82	39.588		
11,300.00	7,630.00	10,115.43	7,694.70	57.20	48.47	91.16	-1,177.60	-1,232.15	3,795.07	3,696.51	98.56	38.507		
11,400.00	7,630.00	10,231.41	7,692.80	57.91	50.15	91.13	-1,293.55	-1,233.95	3,796.23	3,694.85	101.37	37.448		
11,500.00	7,630.00	10,360.60	7,689.57	58.72	52.05	91.08	-1,422.68	-1,235.69	3,797.26	3,692.78	104.48	36.343		
11,600.00	7,630.00	10,450.01	7,687.15	59.63	53.38	91.04	-1,512.05	-1,236.37	3,797.65	3,690.68	106.97	35.502		
11,700.00	7,630.00	10,544.37	7,687.29	60.61	54.80	91.05	-1,606.40	-1,237.36	3,798.36	3,688.77	109.60	34.658		
11,800.00	7,630.00	10,655.93	7,691.23	61.67	56.50	91.10	-1,717.89	-1,238.43	3,799.06	3,686.46	112.59	33.741		
11,900.00	7,630.00	10,818.27	7,692.80	62.78	59.00	91.13	-1,880.19	-1,238.31	3,798.65	3,682.07	116.58	32.584		
12,000.00	7,630.00	10,946.96	7,689.12	63.95	61.02	91.07	-2,008.81	-1,236.84	3,797.13	3,677.14	119.99	31.646		
12,100.00	7,630.00	11,037.84	7,685.41	65.16	62.45	91.02	-2,099.61	-1,235.35	3,795.10	3,672.38	122.72	30.925		
12,200.00	7,630.00	11,118.38	7,683.44	66.41	63.72	90.99	-2,180.13	-1,234.65	3,793.81	3,668.53	125.29	30.281		
12,300.00	7,630.00	11,214.06	7,681.49	67.68	65.25	90.96	-2,275.78	-1,233.77	3,792.52	3,664.35	128.17	29.591		
12,400.00	7,630.00	11,319.90	7,679.80	68.99	66.94	90.93	-2,381.61	-1,233.25	3,791.69	3,660.42	131.27	28.884		
12,500.00	7,630.00	11,463.62	7,679.09	70.33	69.25	90.92	-2,525.30	-1,231.09	3,789.82	3,654.65	135.17	28.037		
12,600.00	7,630.00	11,531.00	7,679.87	71.68	70.35	90.94	-2,592.66	-1,229.52	3,787.40	3,649.82	137.58	27.528		
12,700.00	7,630.00	11,588.21	7,680.78	73.06	71.28	90.95	-2,649.85	-1,228.74	3,786.04	3,646.26	139.78	27.085		
12,715.23	7,630.00	11,593.86	7,680.88	73.27	71.37	90.95	-2,655.50	-1,228.75	3,786.00	3,645.95	140.05	27.032		
12,800.00	7,630.00	11,630.25	7,681.57	74.45	71.96	90.96	-2,691.88	-1,229.09	3,786.48	3,644.83	141.66	26.730		
12,900.00	7,630.00	11,702.11	7,682.86	75.87	73.13	90.98	-2,763.71	-1,230.40	3,788.01	3,643.86	144.15	26.278		
13,000.00	7,630.00	11,838.65	7,684.79	77.29	75.35	91.01	-2,900.22	-1,232.90	3,789.56	3,641.51	148.05	25.597		
13,100.00	7,630.00	11,929.92	7,686.01	78.74	76.84	91.03	-2,991.48	-1,233.85	3,790.31	3,639.32	150.99	25.103		
13,200.00	7,630.00	11,996.95	7,687.77	80.19	77.94	91.05	-3,058.47	-1,235.18	3,791.98	3,638.56	153.42	24.716		
13,300.00	7,630.00	12,091.68	7,691.17	81.66	79.50	91.11	-3,153.12	-1,237.44	3,794.10	3,637.63	156.47	24.248		
13,400.00	7,630.00	12,191.26	7,695.32	83.14	81.15	91.17	-3,252.58	-1,239.86	3,796.27	3,636.63	159.64	23.780		
13,500.00	7,630.00	12,294.18	7,699.97	84.63	82.85	91.24	-3,355.36	-1,242.34	3,798.44	3,635.53	162.91	23.317		
13,600.00	7,630.00	12,381.38	7,704.03	86.14	84.30	91.30	-3,442.44	-1,244.43	3,800.63	3,634.80	165.83	22.919		
13,700.00	7,630.00	12,486.48	7,707.31	87.65	86.04	91.35	-3,547.45	-1,247.41	3,803.21	3,634.05	169.16	22.483		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
13,800.00	7,630.00	12,623.06	7,709.50	89.17	88.32	91.38	-3,683.97	-1,250.32	3,805.04	3,631.82	173.22	21.967		
13,900.00	7,630.00	12,739.53	7,711.15	90.70	90.26	91.40	-3,800.42	-1,251.86	3,806.04	3,629.20	176.84	21.523		
14,000.00	7,630.00	12,851.37	7,715.60	92.24	92.14	91.47	-3,912.16	-1,253.06	3,806.88	3,626.51	180.37	21.106		
14,100.00	7,630.00	12,960.53	7,721.19	93.78	93.98	91.55	-4,021.18	-1,253.79	3,807.35	3,623.49	183.86	20.707		
14,200.00	7,630.00	13,067.53	7,726.72	95.33	95.79	91.64	-4,128.03	-1,254.23	3,807.56	3,620.25	187.32	20.327		
14,300.00	7,630.00	13,156.14	7,730.06	96.89	97.29	91.69	-4,216.58	-1,254.76	3,807.94	3,617.59	190.35	20.005		
14,400.00	7,630.00	13,256.54	7,733.10	98.46	98.99	91.73	-4,316.93	-1,255.50	3,808.43	3,614.77	193.66	19.665		
14,500.00	7,630.00	13,372.51	7,735.90	100.03	100.95	91.77	-4,432.86	-1,256.24	3,808.81	3,611.47	197.34	19.301		
14,600.00	7,630.00	13,513.88	7,739.25	101.61	103.36	91.82	-4,574.19	-1,256.00	3,808.41	3,606.81	201.60	18.891		
14,700.00	7,630.00	13,630.08	7,741.76	103.20	105.34	91.86	-4,690.35	-1,254.56	3,806.85	3,601.55	205.30	18.543		
14,800.00	7,630.00	13,891.71	7,742.08	104.78	109.82	91.87	-4,951.74	-1,244.65	3,801.84	3,589.71	212.13	17.923		
14,900.00	7,630.00	13,937.00	7,741.78	106.38	110.60	91.87	-4,996.98	-1,242.63	3,796.94	3,582.60	214.34	17.715		
15,000.00	7,630.00	13,967.30	7,741.41	107.98	111.12	91.86	-5,027.27	-1,241.78	3,793.65	3,577.47	216.18	17.548		
15,100.00	7,630.00	14,026.00	7,740.38	109.58	112.13	91.85	-5,085.96	-1,241.45	3,792.31	3,573.70	218.61	17.348		
15,150.55	7,630.00	14,026.00	7,740.38	110.40	112.13	91.85	-5,085.96	-1,241.45	3,791.97	3,572.83	219.14	17.304		
15,200.00	7,630.00	14,053.50	7,739.79	111.19	112.60	91.84	-5,113.45	-1,241.70	3,792.18	3,571.91	220.28	17.215		
15,300.00	7,630.00	14,179.80	7,736.83	112.81	114.75	91.80	-5,239.71	-1,242.86	3,792.76	3,568.51	224.25	16.913		
15,355.59	7,630.00	14,231.10	7,735.64	113.71	115.63	91.78	-5,291.00	-1,242.94	3,792.63	3,566.61	226.01	16.781		
15,400.00	7,630.00	14,258.44	7,735.29	114.42	116.10	91.77	-5,318.33	-1,243.10	3,792.73	3,565.62	227.10	16.700		
15,500.00	7,630.00	14,342.44	7,735.44	116.05	117.54	91.77	-5,402.32	-1,244.10	3,793.55	3,563.47	230.09	16.487		
15,600.00	7,630.00	14,462.79	7,736.87	117.67	119.60	91.80	-5,522.66	-1,245.23	3,794.19	3,560.25	233.94	16.218		
15,700.00	7,630.00	14,604.62	7,738.99	119.30	122.04	91.83	-5,664.47	-1,245.41	3,794.06	3,555.75	238.31	15.921		
15,800.00	7,630.00	14,702.82	7,740.50	120.93	123.73	91.85	-5,762.66	-1,244.73	3,793.08	3,551.42	241.66	15.696		
15,900.00	7,630.00	14,791.08	7,740.28	122.57	125.25	91.85	-5,850.92	-1,244.63	3,792.62	3,547.84	244.77	15.494		
16,000.00	7,630.00	14,895.70	7,738.43	124.21	127.05	91.82	-5,955.52	-1,244.56	3,792.15	3,543.88	248.27	15.274		
16,100.00	7,630.00	14,995.18	7,737.82	125.85	128.77	91.81	-6,055.00	-1,244.38	3,791.61	3,539.96	251.65	15.067		
16,200.00	7,630.00	15,119.88	7,737.62	127.50	130.92	91.81	-6,179.70	-1,243.54	3,790.56	3,534.93	255.64	14.828		
16,300.00	7,630.00	15,191.80	7,738.95	129.15	132.16	91.83	-6,251.59	-1,243.20	3,789.80	3,531.41	258.38	14.667		
16,397.35	7,630.00	15,273.00	7,741.13	130.76	133.57	91.86	-6,332.77	-1,243.05	3,789.41	3,528.09	261.32	14.501		
16,400.00	7,630.00	15,273.00	7,741.13	130.80	133.57	91.86	-6,332.77	-1,243.05	3,789.41	3,528.06	261.35	14.499		
16,500.00	7,630.00	15,321.14	7,742.11	132.46	134.40	91.88	-6,380.90	-1,243.42	3,790.04	3,526.55	263.49	14.384		
16,600.00	7,630.00	15,362.00	7,742.70	134.11	135.10	91.89	-6,421.74	-1,244.45	3,792.26	3,526.87	265.39	14.289		
16,700.00	7,630.00	15,417.12	7,743.32	135.77	136.04	91.89	-6,476.81	-1,246.60	3,795.86	3,528.25	267.61	14.184		
16,800.00	7,630.00	15,504.83	7,744.09	137.43	137.55	91.90	-6,564.41	-1,250.93	3,800.46	3,529.78	270.68	14.040		
16,900.00	7,630.00	15,704.26	7,747.55	139.10	140.98	91.95	-6,763.69	-1,257.16	3,802.95	3,526.27	276.68	13.745		
17,000.00	7,630.00	15,835.66	7,751.14	140.77	143.25	92.01	-6,895.02	-1,259.46	3,804.47	3,523.58	280.89	13.544		
17,100.00	7,630.00	15,944.05	7,754.42	142.44	145.12	92.05	-7,003.36	-1,260.59	3,805.27	3,520.75	284.52	13.374		
17,200.00	7,630.00	16,058.16	7,758.37	144.11	147.10	92.11	-7,117.40	-1,261.74	3,806.09	3,517.79	288.30	13.202		
17,300.00	7,630.00	16,154.27	7,760.60	145.78	148.77	92.15	-7,213.47	-1,262.42	3,806.55	3,514.91	291.63	13.052		
17,400.00	7,630.00	16,218.45	7,761.88	147.46	149.88	92.17	-7,277.63	-1,263.22	3,807.56	3,513.38	294.17	12.943		
17,500.00	7,630.00	16,315.73	7,766.05	149.13	151.57	92.23	-7,374.81	-1,265.17	3,809.38	3,511.84	297.54	12.803		
17,600.00	7,630.00	16,410.91	7,770.95	150.81	153.22	92.30	-7,469.85	-1,266.75	3,810.92	3,510.07	300.85	12.667		
17,700.00	7,630.00	16,507.97	7,775.46	152.49	154.90	92.37	-7,566.78	-1,268.64	3,812.71	3,508.51	304.21	12.533		
17,800.00	7,630.00	16,621.82	7,779.96	154.18	156.87	92.43	-7,680.52	-1,270.69	3,814.35	3,506.36	308.00	12.384		
17,900.00	7,630.00	16,880.80	7,788.81	155.86	161.38	92.57	-7,939.30	-1,269.44	3,813.64	3,498.41	315.23	12.098		
18,000.00	7,630.00	17,026.13	7,792.05	157.55	163.93	92.62	-8,084.54	-1,265.13	3,810.49	3,490.81	319.68	11.920		
18,100.00	7,630.00	17,131.12	7,793.45	159.24	165.77	92.64	-8,189.44	-1,261.07	3,806.35	3,483.09	323.25	11.775		
18,200.00	7,630.00	17,260.37	7,794.47	160.92	168.03	92.66	-8,318.58	-1,255.80	3,801.99	3,474.66	327.33	11.615		
18,300.00	7,630.00	17,340.00	7,795.17	162.62	169.43	92.68	-8,398.12	-1,252.11	3,797.15	3,466.78	330.38	11.493		
18,400.00	7,630.00	17,340.00	7,795.17	164.31	169.43	92.68	-8,398.12	-1,252.11	3,794.18	3,462.56	331.62	11.441		
18,458.39	7,630.00	17,340.00	7,795.17	165.30	169.43	92.68	-8,398.12	-1,252.11	3,793.67	3,461.42	332.24	11.418 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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	-53.18	786.89	-1,051.10	1,313.06					
100.00	100.00	91.15	91.15	0.13	0.14	-53.19	786.74	-1,051.11	1,312.94	1,312.66	0.28	4,743.920		
200.00	200.00	193.56	193.56	0.49	0.30	-53.20	786.24	-1,051.16	1,312.68	1,311.89	0.80	1,650.996		
294.88	294.88	283.89	283.88	0.83	0.66	-53.23	785.77	-1,051.37	1,312.56	1,311.07	1.49	880.228 CC		
300.00	300.00	288.81	288.81	0.85	0.68	-53.23	785.75	-1,051.38	1,312.56	1,311.03	1.53	859.517		
400.00	400.00	387.39	387.38	1.21	1.02	-53.25	785.40	-1,051.76	1,312.65	1,310.42	2.23	587.996		
500.00	500.00	486.98	486.98	1.57	1.37	-53.26	785.32	-1,051.99	1,312.79	1,309.85	2.94	446.667		
600.00	600.00	583.67	583.66	1.93	1.71	-53.29	784.82	-1,052.69	1,313.06	1,309.42	3.64	360.898 ES		
700.00	700.00	658.45	658.43	2.29	1.97	-53.31	785.11	-1,053.73	1,314.41	1,310.15	4.26	308.635		
800.00	800.00	734.45	734.35	2.64	2.24	-53.22	788.34	-1,054.40	1,317.66	1,312.78	4.88	270.083		
900.00	900.00	807.05	806.69	3.00	2.49	-53.00	794.44	-1,054.45	1,322.79	1,317.30	5.49	241.153		
1,000.00	1,000.00	887.49	886.59	3.36	2.78	-52.69	803.77	-1,054.56	1,329.90	1,323.77	6.13	217.112		
1,100.00	1,100.00	980.31	978.63	3.72	3.12	-52.28	815.73	-1,054.78	1,337.97	1,331.15	6.82	196.240		
1,200.00	1,199.98	1,072.11	1,069.54	4.07	3.47	-102.81	828.47	-1,054.67	1,346.86	1,339.35	7.51	179.312		
1,300.00	1,299.84	1,161.44	1,157.84	4.43	3.83	-102.34	842.04	-1,054.44	1,357.26	1,349.06	8.20	165.513		
1,400.00	1,399.45	1,252.53	1,247.74	4.79	4.20	-101.95	856.69	-1,054.36	1,369.12	1,360.21	8.90	153.747		
1,500.00	1,498.70	1,349.75	1,343.69	5.15	4.60	-101.68	872.33	-1,054.75	1,382.09	1,372.44	9.65	143.243		
1,600.00	1,597.47	1,436.36	1,429.12	5.53	4.96	-101.50	886.58	-1,055.26	1,396.14	1,385.78	10.36	134.756		
1,700.00	1,695.62	1,519.43	1,510.93	5.93	5.32	-101.40	900.93	-1,056.34	1,411.96	1,400.88	11.08	127.481		
1,800.00	1,793.06	1,635.31	1,625.04	6.35	5.82	-101.52	921.06	-1,058.13	1,428.80	1,416.84	11.97	119.410		
1,900.00	1,889.64	1,733.12	1,721.62	6.79	6.23	-101.76	936.40	-1,059.68	1,445.37	1,432.57	12.80	112.956		
2,000.00	1,985.27	1,810.48	1,798.00	7.27	6.56	-101.95	948.53	-1,061.62	1,463.53	1,449.96	13.56	107.912		
2,100.00	2,079.82	1,939.18	1,925.30	7.79	7.11	-102.71	967.12	-1,064.73	1,481.76	1,467.16	14.60	101.499		
2,200.00	2,173.17	2,025.97	2,011.31	8.36	7.46	-103.22	978.53	-1,067.09	1,500.75	1,485.27	15.48	96.957		
2,300.00	2,265.21	2,123.11	2,107.54	8.97	7.87	-103.93	991.42	-1,070.22	1,521.49	1,505.04	16.45	92.509		
2,400.00	2,355.84	2,264.64	2,247.94	9.64	8.45	-105.26	1,009.07	-1,072.39	1,541.99	1,524.32	17.66	87.305		
2,500.00	2,444.94	2,366.50	2,349.11	10.36	8.85	-106.19	1,020.91	-1,072.01	1,562.09	1,543.35	18.74	83.343		
2,591.69	2,525.19	2,450.47	2,432.54	11.07	9.19	-106.97	1,030.39	-1,071.50	1,581.73	1,562.00	19.73	80.165		
2,600.00	2,532.40	2,457.47	2,439.50	11.14	9.22	-107.07	1,031.17	-1,071.46	1,583.59	1,563.77	19.82	79.900		
2,700.00	2,619.15	2,548.75	2,530.19	11.96	9.58	-108.36	1,041.45	-1,070.91	1,606.36	1,585.44	20.92	76.779		
2,800.00	2,705.89	2,657.41	2,638.01	12.81	10.02	-109.80	1,054.82	-1,068.98	1,629.49	1,607.37	22.12	73.666		
2,900.00	2,792.64	2,725.88	2,705.79	13.67	10.31	-110.65	1,064.35	-1,067.32	1,653.49	1,630.34	23.15	71.433		
3,000.00	2,879.39	2,781.08	2,760.36	14.55	10.54	-111.31	1,072.62	-1,066.61	1,679.57	1,655.47	24.10	69.685		
3,100.00	2,966.14	2,833.33	2,811.91	15.44	10.77	-111.92	1,081.11	-1,067.03	1,708.38	1,683.36	25.03	68.263		
3,200.00	3,052.88	2,912.09	2,889.56	16.34	11.11	-112.82	1,094.17	-1,068.71	1,739.04	1,712.95	26.09	66.651		
3,300.00	3,139.63	3,006.87	2,983.08	17.25	11.53	-113.90	1,109.37	-1,071.17	1,770.45	1,743.21	27.24	64.988		
3,400.00	3,226.38	3,108.88	3,083.88	18.17	11.97	-115.05	1,124.81	-1,073.62	1,801.94	1,773.52	28.43	63.392		
3,500.00	3,313.12	3,211.17	3,185.18	19.09	12.39	-116.19	1,138.88	-1,075.84	1,833.36	1,803.77	29.59	61.951		
3,600.00	3,399.87	3,314.15	3,287.34	20.02	12.82	-117.34	1,151.69	-1,077.79	1,864.72	1,833.97	30.75	60.645		
3,700.00	3,486.62	3,410.95	3,383.49	20.96	13.21	-118.41	1,162.84	-1,079.25	1,896.03	1,864.17	31.86	59.512		
3,800.00	3,573.37	3,502.14	3,473.87	21.90	13.59	-119.34	1,174.84	-1,080.00	1,927.75	1,894.81	32.94	58.519		
3,900.00	3,660.11	3,596.01	3,566.75	22.84	13.98	-120.22	1,188.50	-1,080.24	1,959.82	1,925.78	34.04	57.570		
4,000.00	3,746.86	3,689.65	3,669.52	23.78	14.41	-121.22	1,201.83	-1,080.61	1,991.98	1,956.80	35.18	56.621		
4,100.00	3,833.61	3,801.68	3,770.95	24.73	14.82	-122.22	1,212.93	-1,080.72	2,023.91	1,987.63	36.28	55.783		
4,200.00	3,920.35	3,866.76	3,835.72	25.68	15.07	-122.87	1,219.24	-1,081.15	2,056.54	2,019.38	37.16	55.346		
4,300.00	4,007.10	3,933.47	3,902.13	26.63	15.33	-123.53	1,225.38	-1,082.55	2,090.76	2,052.74	38.02	54.988		
4,400.00	4,093.85	4,021.87	3,990.14	27.59	15.66	-124.40	1,233.19	-1,085.13	2,126.13	2,087.14	38.99	54.529		
4,500.00	4,180.60	4,115.83	4,083.83	28.55	16.01	-125.33	1,240.05	-1,087.38	2,161.22	2,121.26	39.97	54.073		
4,600.00	4,267.34	4,188.38	4,156.14	29.50	16.29	-126.03	1,245.50	-1,089.64	2,197.45	2,156.63	40.82	53.833		
4,700.00	4,354.09	4,357.49	4,324.00	30.46	16.96	-127.39	1,265.48	-1,091.84	2,233.65	2,191.37	42.28	52.829		
4,800.00	4,440.84	4,440.88	4,406.60	31.42	17.31	-127.98	1,276.91	-1,091.00	2,267.91	2,224.66	43.25	52.435		
4,900.00	4,527.58	4,506.50	4,471.62	32.39	17.59	-128.45	1,285.72	-1,090.54	2,302.75	2,258.65	44.10	52.214		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,614.33	4,566.95	4,531.46	33.35	17.84	-128.86	1,294.32	-1,090.94	2,339.08	2,294.17	44.91	52.086		
5,100.00	4,701.08	4,640.00	4,603.82	34.31	18.15	-129.36	1,304.28	-1,092.16	2,376.51	2,330.73	45.78	51.910		
5,200.00	4,787.82	4,726.78	4,689.96	35.28	18.50	-129.97	1,314.56	-1,094.15	2,414.56	2,367.85	46.72	51.684		
5,300.00	4,874.57	4,806.48	4,769.13	36.25	18.82	-130.53	1,323.49	-1,096.20	2,453.06	2,405.46	47.60	51.539		
5,400.00	4,961.32	4,900.32	4,861.98	37.21	19.22	-131.11	1,336.77	-1,098.46	2,491.92	2,443.32	48.60	51.275		
5,500.00	5,048.07	4,980.90	4,941.24	38.18	19.58	-131.52	1,351.24	-1,100.13	2,530.98	2,481.43	49.55	51.083		
5,600.00	5,134.81	5,069.94	5,028.73	39.15	19.99	-131.94	1,367.69	-1,102.18	2,570.41	2,519.85	50.56	50.840		
5,700.00	5,221.56	5,165.70	5,123.17	40.12	20.41	-132.44	1,383.30	-1,104.43	2,609.87	2,558.28	51.59	50.585		
5,800.00	5,308.31	5,266.53	5,223.11	41.09	20.83	-133.02	1,396.46	-1,106.69	2,649.19	2,596.58	52.62	50.347		
5,900.00	5,395.05	5,359.80	5,315.89	42.06	21.20	-133.60	1,405.69	-1,108.67	2,688.45	2,634.91	53.54	50.211		
6,000.00	5,481.80	5,442.81	5,398.50	43.03	21.52	-134.12	1,413.64	-1,110.47	2,727.96	2,673.57	54.39	50.154		
6,100.00	5,568.55	5,519.01	5,474.04	44.00	21.83	-134.52	1,423.42	-1,112.27	2,767.97	2,712.74	55.23	50.117		
6,200.00	5,655.30	5,601.01	5,555.03	44.97	22.19	-134.90	1,436.09	-1,114.44	2,808.45	2,752.31	56.13	50.034		
6,300.00	5,742.04	5,688.78	5,641.96	45.94	22.55	-135.34	1,447.88	-1,116.94	2,849.21	2,792.16	57.05	49.943		
6,400.00	5,828.79	5,894.75	5,846.61	46.92	23.38	-136.41	1,470.88	-1,119.06	2,888.64	2,829.92	58.72	49.191		
6,500.00	5,915.54	6,001.33	5,952.26	47.89	23.82	-136.90	1,484.79	-1,117.29	2,925.61	2,865.85	59.76	48.957		
6,600.00	6,002.28	6,065.00	6,015.35	48.86	24.08	-137.18	1,493.39	-1,116.47	2,963.10	2,902.59	60.51	48.967		
6,700.00	6,089.03	6,118.89	6,068.77	49.83	24.30	-137.41	1,500.42	-1,116.36	3,001.68	2,940.50	61.18	49.060		
6,800.00	6,175.78	6,177.37	6,126.82	50.81	24.54	-137.68	1,507.47	-1,116.95	3,041.47	2,979.60	61.87	49.158		
6,900.00	6,262.53	6,247.47	6,196.37	51.78	24.83	-137.99	1,516.22	-1,118.18	3,082.07	3,019.44	62.63	49.207		
7,000.00	6,349.27	6,328.14	6,276.42	52.76	25.16	-138.34	1,525.96	-1,119.94	3,123.19	3,059.73	63.47	49.211		
7,100.00	6,436.02	6,444.14	6,391.61	53.73	25.63	-138.84	1,539.55	-1,121.81	3,163.86	3,099.32	64.54	49.021		
7,200.00	6,522.77	6,511.00	6,458.05	54.71	25.90	-139.13	1,546.91	-1,123.17	3,205.07	3,139.81	65.26	49.114		
7,300.00	6,609.51	6,564.16	6,510.94	55.68	26.10	-139.37	1,552.04	-1,124.69	3,247.17	3,181.31	65.86	49.307		
7,400.00	6,696.26	6,635.50	6,582.00	56.66	26.37	-139.70	1,557.87	-1,127.12	3,290.01	3,223.45	66.56	49.428		
7,500.00	6,783.01	6,856.75	6,802.38	57.63	27.21	-140.69	1,576.77	-1,130.38	3,331.12	3,262.85	68.28	48.789		
7,600.00	6,869.76	6,917.53	6,862.98	58.61	27.44	-140.97	1,581.37	-1,130.30	3,371.20	3,302.29	68.91	48.921		
7,683.49	6,942.18	6,966.01	6,911.37	59.42	27.61	-141.20	1,584.31	-1,130.63	3,405.42	3,336.01	69.41	49.062		
7,700.00	6,956.57	6,977.12	6,922.47	59.58	27.64	-144.43	1,584.79	-1,130.74	3,412.27	3,342.76	69.51	49.090		
7,750.00	7,000.85	7,010.84	6,956.18	60.04	27.75	-155.24	1,585.53	-1,131.07	3,433.23	3,363.44	69.79	49.190		
7,800.00	7,045.94	7,046.00	6,991.34	60.46	27.86	-167.50	1,585.16	-1,131.45	3,454.38	3,384.33	70.06	49.309		
7,850.00	7,091.49	7,135.00	7,079.84	60.84	28.07	179.11	1,576.56	-1,130.79	3,474.64	3,404.20	70.44	49.328		
7,900.00	7,137.15	7,135.00	7,079.84	61.17	28.07	165.69	1,576.56	-1,130.79	3,495.12	3,424.66	70.47	49.599		
7,950.00	7,182.58	7,174.75	7,118.81	61.44	28.13	152.86	1,568.77	-1,130.21	3,514.97	3,444.41	70.56	49.817		
8,000.00	7,227.43	7,188.24	7,131.92	61.67	28.15	141.36	1,565.59	-1,130.21	3,534.94	3,464.38	70.56	50.096		
8,050.00	7,271.36	7,224.00	7,166.32	61.84	28.21	131.48	1,555.86	-1,130.70	3,554.80	3,484.21	70.59	50.361		
8,100.00	7,314.04	7,224.00	7,166.32	61.96	28.21	123.09	1,555.86	-1,130.70	3,573.72	3,503.19	70.53	50.670		
8,150.00	7,355.14	7,224.00	7,166.32	62.04	28.21	116.01	1,555.86	-1,130.70	3,592.18	3,521.72	70.45	50.986		
8,200.00	7,394.34	7,224.00	7,166.32	62.07	28.21	110.04	1,555.86	-1,130.70	3,610.04	3,539.68	70.37	51.304		
8,250.00	7,431.36	7,224.00	7,166.32	62.06	28.21	104.99	1,555.86	-1,130.70	3,627.19	3,556.92	70.27	51.618		
8,300.00	7,465.90	7,262.52	7,202.77	62.01	28.24	100.99	1,543.51	-1,132.13	3,642.73	3,572.51	70.23	51.871		
8,350.00	7,497.71	7,273.53	7,213.07	61.93	28.25	97.47	1,539.66	-1,132.72	3,657.60	3,587.46	70.14	52.144		
8,400.00	7,526.53	7,313.00	7,249.50	61.81	28.29	94.76	1,524.75	-1,135.53	3,671.75	3,601.66	70.09	52.383		
8,450.00	7,552.17	7,313.00	7,249.50	61.66	28.29	92.20	1,524.75	-1,135.53	3,684.00	3,613.99	70.01	52.619		
8,500.00	7,574.41	7,313.00	7,249.50	61.48	28.29	90.05	1,524.75	-1,135.53	3,695.07	3,625.13	69.94	52.832		
8,550.00	7,593.09	7,313.00	7,249.50	61.29	28.29	88.27	1,524.75	-1,135.53	3,704.89	3,635.01	69.88	53.018		
8,600.00	7,608.07	7,313.00	7,249.50	61.07	28.29	86.84	1,524.75	-1,135.53	3,713.40	3,643.57	69.84	53.174		
8,650.00	7,619.23	7,339.65	7,273.70	60.84	28.31	86.06	1,513.86	-1,137.91	3,720.31	3,650.48	69.83	53.275		
8,700.00	7,626.48	7,350.95	7,283.90	60.60	28.31	85.42	1,509.10	-1,139.00	3,725.80	3,655.96	69.83	53.352		
8,750.00	7,629.78	7,361.19	7,293.10	60.35	28.32	85.08	1,504.73	-1,140.03	3,729.79	3,659.94	69.86	53.392		
8,766.45	7,630.00	7,364.31	7,295.89	60.27	28.32	85.02	1,503.38	-1,140.35	3,730.78	3,660.91	69.87	53.398		
8,800.00	7,630.00	7,370.59	7,301.51	60.10	28.32	85.11	1,500.65	-1,141.01	3,732.77	3,662.87	69.89	53.406		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
8,900.00	7,630.00	8,900.00	7,696.93	59.61	29.05	91.20	1,107.69	-1,164.30	3,734.93	3,665.64	69.29	53.901		
9,000.00	7,630.00	8,293.00	7,789.70	59.15	29.19	92.63	773.80	-1,144.08	3,727.61	3,659.72	67.89	54.909		
9,100.00	7,630.00	8,293.00	7,789.70	58.71	29.19	92.63	773.80	-1,144.08	3,721.15	3,652.98	68.17	54.587		
9,200.00	7,630.00	8,375.75	7,792.06	58.30	29.49	92.67	691.18	-1,140.31	3,716.37	3,648.01	68.36	54.365		
9,300.00	7,630.00	8,456.69	7,792.14	57.91	29.85	92.68	610.30	-1,137.00	3,711.95	3,643.28	68.67	54.052		
9,400.00	7,630.00	8,522.29	7,792.22	57.54	30.19	92.68	544.74	-1,134.76	3,708.23	3,639.13	69.10	53.663		
9,500.00	7,630.00	8,585.48	7,792.83	57.19	30.55	92.69	481.58	-1,133.22	3,705.51	3,635.89	69.62	53.227		
9,600.00	7,630.00	8,649.00	7,793.17	56.87	30.95	92.70	418.06	-1,132.30	3,703.76	3,633.55	70.22	52.749		
9,700.00	7,630.00	8,728.57	7,792.55	56.57	31.50	92.69	338.50	-1,131.81	3,702.78	3,631.81	70.97	52.175		
9,800.00	7,630.00	8,830.00	7,789.36	56.30	32.27	92.64	237.12	-1,131.62	3,702.10	3,630.17	71.93	51.466		
9,900.00	7,630.00	8,917.00	7,785.46	56.05	33.01	92.58	150.21	-1,131.52	3,701.47	3,628.50	72.97	50.726		
9,947.39	7,630.00	8,950.39	7,784.15	55.94	33.31	92.56	116.85	-1,131.60	3,701.35	3,627.88	73.47	50.381		
10,000.00	7,630.00	8,982.69	7,783.24	55.82	33.60	92.54	84.56	-1,131.84	3,701.49	3,627.51	73.98	50.033		
10,100.00	7,630.00	9,048.58	7,781.88	55.63	34.22	92.52	18.69	-1,132.81	3,702.52	3,627.46	75.07	49.323		
10,200.00	7,630.00	9,323.91	7,762.40	55.46	37.10	92.22	-255.80	-1,133.18	3,702.71	3,624.60	78.11	47.404		
10,300.00	7,630.00	9,362.00	7,761.22	55.32	37.53	92.20	-293.85	-1,132.19	3,700.05	3,620.86	79.20	46.719		
10,400.00	7,630.00	9,414.84	7,761.10	55.22	38.14	92.20	-346.69	-1,131.52	3,698.77	3,618.28	80.49	45.955		
10,416.90	7,630.00	9,420.82	7,761.22	55.20	38.21	92.20	-352.66	-1,131.53	3,698.74	3,618.06	80.68	45.845		
10,500.00	7,630.00	9,451.00	7,762.22	55.15	38.56	92.22	-382.82	-1,131.82	3,699.35	3,617.73	81.62	45.325		
10,600.00	7,630.00	9,524.37	7,765.64	55.14	39.44	92.27	-456.10	-1,133.27	3,701.16	3,617.93	83.23	44.467		
10,700.00	7,630.00	9,617.20	7,769.63	55.18	40.58	92.33	-548.82	-1,135.56	3,703.46	3,618.30	85.16	43.490		
10,800.00	7,630.00	9,741.60	7,771.68	55.28	42.15	92.36	-673.15	-1,138.60	3,705.68	3,618.10	87.58	42.311		
10,900.00	7,630.00	9,914.05	7,775.65	55.47	44.42	92.42	-845.55	-1,139.89	3,706.03	3,615.20	90.83	40.802		
11,000.00	7,630.00	10,007.39	7,776.01	55.74	45.69	92.43	-938.89	-1,140.03	3,705.86	3,612.81	93.06	39.824		
11,016.83	7,630.00	10,021.07	7,776.07	55.79	45.88	92.43	-952.56	-1,140.07	3,705.86	3,612.45	93.41	39.673		
11,100.00	7,630.00	10,089.81	7,777.16	56.11	46.83	92.45	-1,021.30	-1,140.40	3,706.03	3,610.86	95.17	38.940		
11,200.00	7,630.00	10,183.39	7,779.21	56.60	48.14	92.48	-1,114.85	-1,141.13	3,706.57	3,609.04	97.52	38.007		
11,300.00	7,630.00	10,287.25	7,779.80	57.20	49.62	92.49	-1,218.70	-1,141.85	3,706.94	3,606.85	100.10	37.034		
11,400.00	7,630.00	10,368.71	7,781.37	57.91	50.80	92.51	-1,300.14	-1,142.64	3,707.66	3,605.31	102.35	36.225		
11,500.00	7,630.00	10,449.78	7,783.33	58.72	51.98	92.54	-1,381.19	-1,143.79	3,708.85	3,604.21	104.64	35.445		
11,600.00	7,630.00	10,522.95	7,783.58	59.63	53.06	92.54	-1,454.33	-1,145.37	3,710.69	3,603.88	106.81	34.741		
11,700.00	7,630.00	10,615.70	7,784.34	60.61	54.44	92.55	-1,547.05	-1,147.76	3,712.96	3,603.59	109.37	33.950		
11,800.00	7,630.00	10,692.03	7,785.93	61.67	55.58	92.58	-1,623.32	-1,150.01	3,715.67	3,604.01	111.66	33.277		
11,900.00	7,630.00	10,740.25	7,786.43	62.78	56.30	92.58	-1,671.51	-1,151.91	3,719.35	3,605.92	113.43	32.790		
12,000.00	7,630.00	11,172.56	7,785.75	63.95	62.99	92.58	-2,103.35	-1,148.99	3,715.11	3,592.51	122.61	30.301		
12,100.00	7,630.00	11,233.00	7,787.01	65.16	63.95	92.60	-2,163.74	-1,147.05	3,711.45	3,586.65	124.80	29.739		
12,200.00	7,630.00	11,289.96	7,788.42	66.41	64.86	92.62	-2,220.67	-1,145.84	3,708.88	3,581.95	126.93	29.221		
12,300.00	7,630.00	11,372.37	7,790.08	67.68	66.17	92.65	-2,303.05	-1,144.29	3,706.77	3,577.21	129.56	28.611		
12,400.00	7,630.00	11,494.10	7,789.51	68.99	68.12	92.64	-2,424.76	-1,142.46	3,704.97	3,571.98	132.99	27.859		
12,500.00	7,630.00	11,583.01	7,792.30	70.33	69.55	92.68	-2,513.59	-1,140.59	3,702.68	3,566.87	135.81	27.264		
12,600.00	7,630.00	11,665.00	7,797.75	71.68	70.89	92.77	-2,595.39	-1,139.08	3,700.82	3,562.31	138.51	26.719		
12,700.00	7,630.00	11,743.60	7,804.08	73.06	72.17	92.87	-2,673.73	-1,137.99	3,699.49	3,558.34	141.15	26.209		
12,800.00	7,630.00	11,828.88	7,810.96	74.45	73.56	92.98	-2,758.72	-1,137.26	3,698.70	3,554.75	143.94	25.695		
12,900.00	7,630.00	11,933.48	7,816.37	75.87	75.27	93.06	-2,863.18	-1,136.68	3,698.08	3,550.92	147.16	25.130		
13,000.00	7,630.00	12,075.01	7,819.45	77.29	77.59	93.11	-3,004.66	-1,135.09	3,696.73	3,545.56	151.17	24.454		
13,100.00	7,630.00	12,198.23	7,817.75	78.74	79.62	93.08	-3,127.84	-1,132.92	3,694.56	3,539.75	154.81	23.865		
13,200.00	7,630.00	12,248.17	7,815.71	80.19	80.45	93.05	-3,177.73	-1,132.17	3,692.63	3,535.73	156.90	23.535		
13,269.80	7,630.00	12,276.04	7,814.43	81.22	80.91	93.03	-3,205.57	-1,132.18	3,692.23	3,534.04	158.19	23.341		
13,300.00	7,630.00	12,302.00	7,813.17	81.66	81.34	93.01	-3,231.50	-1,132.47	3,692.37	3,533.32	159.05	23.215		
13,400.00	7,630.00	12,399.95	7,809.08	83.14	82.95	92.95	-3,329.35	-1,133.52	3,692.89	3,530.72	162.17	22.772		
13,500.00	7,630.00	12,468.74	7,807.78	84.63	84.09	92.93	-3,398.12	-1,134.23	3,693.48	3,528.83	164.65	22.432		
13,600.00	7,630.00	12,652.00	7,806.78	86.14	87.14	92.91	-3,581.37	-1,134.74	3,693.42	3,523.70	169.72	21.762		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
13,700.00	7,630.00	12,735.19	7,804.97	87.65	88.53	92.89	-3,664.54	-1,134.23	3,692.36	3,519.79	172.57	21.396		
13,741.94	7,630.00	12,748.00	7,804.91	88.29	88.74	92.89	-3,677.34	-1,134.18	3,692.16	3,518.89	173.27	21.309		
13,800.00	7,630.00	12,778.16	7,805.00	89.17	89.25	92.89	-3,707.51	-1,134.29	3,692.27	3,517.77	174.51	21.158		
13,900.00	7,630.00	12,837.00	7,806.04	90.70	90.23	92.90	-3,766.31	-1,135.72	3,694.11	3,517.32	176.79	20.896		
14,000.00	7,630.00	12,867.57	7,806.86	92.24	90.74	92.91	-3,796.85	-1,136.91	3,697.19	3,518.82	178.37	20.728		
14,100.00	7,630.00	12,947.01	7,808.83	93.78	92.06	92.94	-3,876.20	-1,140.23	3,701.18	3,520.07	181.11	20.437		
14,200.00	7,630.00	13,171.98	7,811.06	95.33	95.81	92.97	-4,100.99	-1,147.80	3,704.81	3,517.46	187.35	19.775		
14,300.00	7,630.00	13,550.00	7,819.71	96.89	102.22	93.11	-4,478.55	-1,140.92	3,704.93	3,508.16	196.77	18.829		
14,400.00	7,630.00	13,588.87	7,821.61	98.46	102.89	93.14	-4,517.31	-1,138.78	3,699.27	3,500.45	198.81	18.607		
14,500.00	7,630.00	13,639.00	7,823.71	100.03	103.75	93.18	-4,567.36	-1,136.79	3,695.12	3,494.05	201.07	18.378		
14,600.00	7,630.00	13,674.49	7,824.86	101.61	104.35	93.20	-4,602.82	-1,135.95	3,692.49	3,489.54	202.95	18.194		
14,700.00	7,630.00	13,728.00	7,825.86	103.20	105.26	93.21	-4,656.32	-1,135.67	3,691.53	3,486.32	205.21	17.989		
14,720.55	7,630.00	13,728.00	7,825.86	103.52	105.26	93.21	-4,656.32	-1,135.67	3,691.47	3,486.07	205.41	17.971		
14,800.00	7,630.00	13,787.11	7,826.14	104.78	106.27	93.22	-4,715.42	-1,136.11	3,691.78	3,484.22	207.56	17.786		
14,900.00	7,630.00	13,951.15	7,825.24	106.38	109.06	93.20	-4,879.44	-1,135.11	3,690.38	3,477.99	212.40	17.375		
15,000.00	7,630.00	13,997.94	7,825.52	107.98	109.86	93.21	-4,926.24	-1,135.06	3,689.95	3,475.47	214.48	17.204		
15,030.51	7,630.00	14,063.43	7,825.87	108.47	110.98	93.21	-4,991.72	-1,135.12	3,689.89	3,473.55	216.33	17.057		
15,100.00	7,630.00	14,128.81	7,826.18	109.58	112.10	93.22	-5,057.10	-1,134.80	3,689.34	3,470.78	218.56	16.880		
15,165.30	7,630.00	14,173.00	7,827.30	110.63	112.85	93.24	-5,101.28	-1,134.72	3,689.11	3,468.86	220.25	16.750		
15,200.00	7,630.00	14,173.00	7,827.30	111.19	112.85	93.24	-5,101.28	-1,134.72	3,689.27	3,468.70	220.57	16.726		
15,300.00	7,630.00	14,234.29	7,828.67	112.81	113.90	93.26	-5,162.54	-1,135.41	3,690.39	3,467.43	222.96	16.552		
15,400.00	7,630.00	14,465.72	7,825.74	114.42	117.85	93.21	-5,393.90	-1,136.50	3,690.27	3,460.80	229.48	16.081		
15,500.00	7,630.00	14,530.00	7,824.70	116.05	118.96	93.20	-5,458.17	-1,136.19	3,689.30	3,457.29	232.01	15.902		
15,600.00	7,630.00	14,650.94	7,825.74	117.67	121.03	93.21	-5,579.10	-1,135.05	3,688.00	3,452.13	235.88	15.635		
15,700.00	7,630.00	14,708.00	7,827.07	119.30	122.02	93.23	-5,636.14	-1,134.90	3,687.48	3,449.25	238.23	15.478		
15,700.37	7,630.00	14,708.00	7,827.07	119.31	122.02	93.23	-5,636.14	-1,134.90	3,687.48	3,449.25	238.23	15.478		
15,800.00	7,630.00	14,771.91	7,828.51	120.93	123.11	93.26	-5,700.04	-1,135.42	3,688.04	3,447.32	240.72	15.321		
15,900.00	7,630.00	14,877.28	7,829.15	122.57	124.92	93.27	-5,805.38	-1,136.85	3,689.10	3,444.87	244.23	15.105		
16,000.00	7,630.00	14,937.40	7,828.68	124.21	125.95	93.26	-5,865.50	-1,137.84	3,690.41	3,443.80	246.61	14.965		
16,100.00	7,630.00	15,006.07	7,829.11	125.85	127.13	93.26	-5,934.14	-1,139.78	3,692.86	3,443.68	249.18	14.820		
16,200.00	7,630.00	15,129.89	7,829.78	127.50	129.24	93.27	-6,057.90	-1,143.36	3,695.48	3,442.31	253.17	14.597		
16,300.00	7,630.00	15,335.88	7,829.52	129.15	132.79	93.27	-6,263.87	-1,145.29	3,695.99	3,436.80	259.19	14.260		
16,348.85	7,630.00	15,354.72	7,829.52	129.96	133.11	93.27	-6,282.71	-1,145.31	3,695.84	3,435.71	260.13	14.208		
16,400.00	7,630.00	15,377.45	7,829.74	130.80	133.51	93.27	-6,305.44	-1,145.47	3,696.06	3,434.90	261.16	14.152		
16,500.00	7,630.00	15,423.25	7,830.92	132.46	134.29	93.29	-6,351.22	-1,146.29	3,697.63	3,434.45	263.18	14.050		
16,600.00	7,630.00	15,531.18	7,834.49	134.11	136.15	93.34	-6,459.06	-1,148.72	3,699.73	3,432.94	266.79	13.868		
16,700.00	7,630.00	15,638.83	7,835.92	135.77	138.00	93.36	-6,566.67	-1,151.37	3,701.95	3,431.57	270.38	13.691		
16,800.00	7,630.00	15,756.22	7,838.98	137.43	140.03	93.41	-6,684.00	-1,153.23	3,703.30	3,429.07	274.23	13.504		
16,900.00	7,630.00	15,826.61	7,840.11	139.10	141.24	93.42	-6,754.37	-1,154.60	3,705.04	3,428.16	276.88	13.381		
17,000.00	7,630.00	16,078.72	7,841.92	140.77	145.60	93.45	-7,006.41	-1,155.25	3,704.73	3,420.68	284.05	13.043		
17,100.00	7,630.00	16,134.00	7,843.38	142.44	146.57	93.47	-7,061.67	-1,154.61	3,703.41	3,416.99	286.42	12.930		
17,183.60	7,630.00	16,191.69	7,845.22	143.83	147.57	93.50	-7,119.32	-1,154.47	3,703.09	3,414.45	288.65	12.829		
17,200.00	7,630.00	16,202.64	7,845.55	144.11	147.76	93.51	-7,130.28	-1,154.49	3,703.11	3,414.03	289.07	12.810		
17,300.00	7,630.00	16,274.02	7,847.12	145.78	148.99	93.53	-7,201.63	-1,155.03	3,703.66	3,411.88	291.78	12.693		
17,400.00	7,630.00	16,353.41	7,847.15	147.46	150.37	93.53	-7,281.01	-1,156.29	3,704.90	3,410.22	294.67	12.573		
17,500.00	7,630.00	16,500.71	7,849.02	149.13	152.92	93.56	-7,428.28	-1,158.37	3,706.20	3,406.90	299.30	12.383		
17,600.00	7,630.00	16,601.60	7,852.79	150.81	154.67	93.62	-7,529.10	-1,158.84	3,706.56	3,403.81	302.75	12.243		
17,700.00	7,630.00	16,712.76	7,857.16	152.49	156.60	93.68	-7,640.17	-1,158.73	3,706.35	3,399.89	306.46	12.094		
17,800.00	7,630.00	16,832.74	7,859.53	154.18	158.69	93.72	-7,760.12	-1,158.82	3,706.27	3,395.88	310.39	11.941		
17,900.00	7,630.00	16,931.87	7,862.13	155.86	160.42	93.76	-7,859.22	-1,158.26	3,705.54	3,391.73	313.80	11.808		
17,966.37	7,630.00	16,974.74	7,863.09	156.98	161.16	93.78	-7,902.08	-1,158.19	3,705.32	3,389.81	315.51	11.744		
18,000.00	7,630.00	16,995.80	7,863.29	157.55	161.53	93.78	-7,923.13	-1,158.28	3,705.37	3,389.02	316.35	11.713		

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



## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<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	
18,100.00	7,630.00	17,116.79	7,864.31	159.24	163.63	93.80	-8,044.11	-1,159.07	3,705.80	3,385.49	320.31	11.569	
18,200.00	7,630.00	17,265.64	7,869.21	160.92	166.23	93.87	-8,192.87	-1,157.45	3,704.45	3,379.50	324.94	11.400	
18,300.00	7,630.00	17,361.41	7,869.62	162.62	167.90	93.88	-8,288.63	-1,156.31	3,702.96	3,374.67	328.29	11.279	
18,400.00	7,630.00	17,471.00	7,867.23	164.31	169.81	93.85	-8,398.18	-1,154.82	3,701.09	3,369.11	331.98	11.149	
18,458.39	7,630.00	17,471.00	7,867.23	165.30	169.81	93.85	-8,398.18	-1,154.82	3,700.57	3,367.99	332.58	11.127 SF	



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
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	88.01	88.01	0.13	0.15	-52.91	786.92	-1,041.03	1,304.99	1,304.71	0.28	4,647.930	CC	
200.00	200.00	186.90	186.90	0.49	0.31	-52.91	787.04	-1,041.09	1,305.11	1,304.30	0.80	1,623.976		
300.00	300.00	285.79	285.79	0.85	0.48	-52.91	787.26	-1,041.18	1,305.31	1,303.98	1.33	984.004		
400.00	400.00	381.99	381.99	1.21	0.76	-52.90	787.63	-1,041.32	1,305.67	1,303.70	1.97	663.473	ES	
500.00	500.00	476.89	476.88	1.57	1.10	-52.88	788.43	-1,041.59	1,306.40	1,303.73	2.67	489.919		
600.00	600.00	571.77	571.75	1.93	1.44	-52.84	789.67	-1,041.99	1,307.52	1,304.16	3.37	388.558		
700.00	700.00	674.51	674.48	2.29	1.81	-52.80	791.28	-1,042.39	1,308.78	1,304.69	4.09	319.874		
800.00	800.00	764.10	764.06	2.64	2.13	-52.77	792.68	-1,043.01	1,310.29	1,305.52	4.77	274.658		
900.00	900.00	864.50	864.44	3.00	2.49	-52.72	794.72	-1,043.91	1,312.22	1,306.73	5.49	239.075		
1,000.00	1,000.00	971.79	971.70	3.36	2.87	-52.67	796.61	-1,044.43	1,313.67	1,307.44	6.23	210.808		
1,100.00	1,100.00	1,069.13	1,068.97	3.72	3.22	-52.52	800.17	-1,043.49	1,315.13	1,308.19	6.94	189.563		
1,200.00	1,199.98	1,180.40	1,180.11	4.07	3.62	-103.41	805.14	-1,041.39	1,316.78	1,309.08	7.69	171.219		
1,300.00	1,299.84	1,284.93	1,284.49	4.43	3.99	-103.37	809.83	-1,038.39	1,318.46	1,310.04	8.42	156.621		
1,400.00	1,399.45	1,371.65	1,371.01	4.79	4.31	-103.37	815.02	-1,035.36	1,321.36	1,312.27	9.09	145.379		
1,500.00	1,498.70	1,463.10	1,462.00	5.15	4.64	-103.37	823.02	-1,031.11	1,325.85	1,316.06	9.79	135.425		
1,600.00	1,597.47	1,557.34	1,555.43	5.53	5.00	-103.35	833.85	-1,025.34	1,331.66	1,321.13	10.52	126.556		
1,700.00	1,695.62	1,647.57	1,644.54	5.93	5.35	-103.33	846.41	-1,018.70	1,338.77	1,327.51	11.26	118.847		
1,800.00	1,793.06	1,725.17	1,721.02	6.35	5.66	-103.34	858.36	-1,013.33	1,347.94	1,335.96	11.98	112.498		
1,900.00	1,889.64	1,805.90	1,800.58	6.79	5.99	-103.43	871.29	-1,008.87	1,359.42	1,346.68	12.74	106.707		
2,000.00	1,985.27	1,885.22	1,878.76	7.27	6.32	-103.60	884.26	-1,005.62	1,373.14	1,359.62	13.52	101.556		
2,100.00	2,079.82	1,961.52	1,953.98	7.79	6.63	-103.83	896.91	-1,003.72	1,389.24	1,374.92	14.32	97.016		
2,200.00	2,173.17	2,056.39	2,047.54	8.36	7.03	-104.31	912.66	-1,002.64	1,407.49	1,392.24	15.24	92.328		
2,300.00	2,265.21	2,187.88	2,177.07	8.97	7.58	-105.19	934.77	-998.44	1,425.39	1,408.99	16.40	86.922		
2,400.00	2,355.84	2,277.62	2,265.32	9.64	7.97	-105.72	950.51	-994.12	1,443.68	1,426.27	17.41	82.946		
2,500.00	2,444.94	2,371.51	2,357.65	10.36	8.38	-106.37	966.96	-989.77	1,463.48	1,445.00	18.48	79.196		
2,591.69	2,525.19	2,454.63	2,439.49	11.07	8.74	-107.01	981.06	-986.31	1,483.06	1,463.58	19.49	76.103		
2,600.00	2,532.40	2,462.18	2,446.92	11.14	8.77	-107.10	982.32	-986.01	1,484.91	1,465.33	19.58	75.835		
2,700.00	2,619.15	2,552.93	2,536.35	11.96	9.17	-108.26	997.38	-982.55	1,507.51	1,486.80	20.71	72.802		
2,800.00	2,705.89	2,700.46	2,681.78	12.81	9.81	-110.07	1,020.92	-974.85	1,529.46	1,507.33	22.13	69.101		
2,900.00	2,792.64	2,788.31	2,768.00	13.67	10.20	-111.03	1,035.92	-967.22	1,549.54	1,526.26	23.28	66.555		
3,000.00	2,879.39	2,855.73	2,834.26	14.55	10.50	-111.78	1,047.56	-962.74	1,571.85	1,547.52	24.32	64.621		
3,100.00	2,966.14	2,938.26	2,915.60	15.44	10.86	-112.72	1,060.86	-958.62	1,595.65	1,570.22	25.43	62.742		
3,200.00	3,052.88	3,043.12	3,019.28	16.34	11.31	-113.95	1,075.98	-954.49	1,620.30	1,593.66	26.64	60.826		
3,300.00	3,139.63	3,195.95	3,170.55	17.25	11.95	-115.72	1,095.38	-944.87	1,642.74	1,614.68	28.07	58.530		
3,400.00	3,226.38	3,266.97	3,240.60	18.17	12.26	-116.46	1,105.59	-939.16	1,664.99	1,635.88	29.11	57.201		
3,500.00	3,313.12	3,348.33	3,320.87	19.09	12.61	-117.30	1,117.52	-933.45	1,688.70	1,658.51	30.19	55.940		
3,600.00	3,399.87	3,440.34	3,411.74	20.02	13.01	-118.24	1,130.69	-927.50	1,713.26	1,681.95	31.31	54.712		
3,700.00	3,486.62	3,523.67	3,493.89	20.96	13.38	-119.04	1,143.51	-921.94	1,738.43	1,706.04	32.39	53.669		
3,800.00	3,573.37	3,605.50	3,574.79	21.90	13.73	-119.85	1,154.98	-917.42	1,764.63	1,731.20	33.44	52.773		
3,900.00	3,660.11	3,735.22	3,703.30	22.84	14.27	-121.16	1,171.11	-910.27	1,791.00	1,756.29	34.71	51.594		
4,000.00	3,746.86	3,793.53	3,760.94	23.78	14.52	-121.71	1,179.16	-906.81	1,817.55	1,781.94	35.62	51.030		
4,100.00	3,833.61	3,864.76	3,831.16	24.73	14.84	-122.32	1,190.48	-903.02	1,845.70	1,809.11	36.59	50.446		
4,200.00	3,920.35	3,934.52	3,899.84	25.68	15.14	-122.89	1,202.36	-899.90	1,875.21	1,837.68	37.54	49.955		
4,300.00	4,007.10	4,009.91	3,974.33	26.63	15.47	-123.54	1,213.76	-897.91	1,906.23	1,867.73	38.50	49.516		
4,400.00	4,093.85	4,118.53	4,081.73	27.59	15.94	-124.47	1,229.67	-894.79	1,937.30	1,897.65	39.65	48.856		
4,500.00	4,180.60	4,240.62	4,201.95	28.55	16.48	-125.38	1,250.30	-889.52	1,967.92	1,927.00	40.92	48.094		
4,600.00	4,267.34	4,316.85	4,276.94	29.50	16.83	-125.92	1,263.39	-885.59	1,998.08	1,956.19	41.89	47.700		
4,700.00	4,354.09	4,406.55	4,365.17	30.46	17.23	-126.54	1,279.12	-881.74	2,029.28	1,986.33	42.94	47.256		
4,800.00	4,440.84	4,495.66	4,452.80	31.42	17.64	-127.13	1,294.76	-877.65	2,060.46	2,016.47	43.99	46.844		
4,900.00	4,527.58	4,572.37	4,528.43	32.39	17.98	-127.66	1,307.28	-875.00	2,092.66	2,047.74	44.92	46.582		
5,000.00	4,614.33	4,727.98	4,682.03	33.35	18.66	-128.73	1,331.13	-867.78	2,123.93	2,077.57	46.36	45.817		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,701.08	4,861.47	4,813.43	34.31	19.26	-129.57	1,352.64	-858.44	2,153.48	2,105.83	47.65	45.193		
5,200.00	4,787.82	4,980.92	4,930.31	35.28	19.83	-130.21	1,374.42	-846.98	2,180.86	2,131.97	48.89	44.609		
5,300.00	4,874.57	5,059.48	5,007.25	36.25	20.20	-130.63	1,388.49	-839.64	2,208.72	2,158.86	49.86	44.298		
5,400.00	4,961.32	5,130.66	5,077.20	37.21	20.52	-131.03	1,400.32	-833.72	2,237.56	2,186.79	50.76	44.080		
5,500.00	5,048.07	5,269.91	5,214.49	38.18	21.14	-131.86	1,420.83	-822.87	2,267.21	2,215.17	52.04	43.569		
5,600.00	5,134.81	5,339.10	5,282.69	39.15	21.45	-132.26	1,430.74	-816.67	2,295.58	2,242.69	52.89	43.399		
5,700.00	5,221.56	5,419.96	5,362.41	40.12	21.81	-132.73	1,442.50	-810.08	2,324.93	2,271.12	53.81	43.203		
5,800.00	5,308.31	5,496.02	5,437.22	41.09	22.15	-133.12	1,454.85	-804.15	2,354.94	2,300.23	54.71	43.043		
5,900.00	5,395.05	5,569.05	5,509.17	42.06	22.48	-133.50	1,466.39	-799.12	2,385.91	2,330.34	55.57	42.932		
6,000.00	5,481.80	5,642.38	5,581.62	43.03	22.80	-133.91	1,476.82	-794.73	2,417.79	2,361.38	56.42	42.857		
6,100.00	5,568.55	5,714.00	5,652.27	44.00	23.12	-134.28	1,487.92	-791.02	2,450.64	2,393.39	57.25	42.809		
6,200.00	5,655.30	5,772.95	5,710.38	44.97	23.38	-134.56	1,497.50	-788.58	2,484.64	2,426.66	57.98	42.853		
6,300.00	5,742.04	5,849.96	5,786.41	45.94	23.72	-134.94	1,509.59	-786.31	2,519.83	2,460.99	58.84	42.828		
6,400.00	5,828.79	5,930.94	5,866.12	46.92	24.08	-135.30	1,523.69	-783.99	2,555.32	2,495.59	59.73	42.781		
6,500.00	5,915.54	6,104.39	6,037.44	47.89	24.84	-136.13	1,549.75	-777.49	2,590.28	2,529.02	61.26	42.284		
6,600.00	6,002.28	6,173.90	6,106.18	48.86	25.13	-136.46	1,559.37	-773.90	2,623.82	2,561.78	62.03	42.297		
6,700.00	6,089.03	6,235.32	6,167.03	49.83	25.39	-136.77	1,567.39	-771.37	2,658.46	2,595.73	62.73	42.377		
6,800.00	6,175.78	6,325.69	6,256.65	50.81	25.77	-137.23	1,578.59	-768.30	2,693.91	2,630.29	63.62	42.345		
6,900.00	6,262.53	6,407.50	6,337.66	51.78	26.11	-137.61	1,589.62	-765.55	2,729.54	2,665.09	64.46	42.348		
7,000.00	6,349.27	6,543.44	6,471.78	52.76	26.71	-138.15	1,611.16	-760.40	2,764.96	2,699.23	65.73	42.068		
7,100.00	6,436.02	6,637.98	6,564.79	53.73	27.14	-138.49	1,627.42	-755.53	2,799.13	2,732.42	66.71	41.960		
7,200.00	6,522.77	6,694.00	6,620.00	54.71	27.39	-138.70	1,636.57	-753.20	2,834.32	2,766.93	67.39	42.059		
7,300.00	6,609.51	7,140.00	7,060.46	55.68	29.04	-141.20	1,662.94	-710.18	2,865.49	2,795.74	69.75	41.082		
7,400.00	6,696.26	7,140.00	7,060.46	56.66	29.04	-141.20	1,662.94	-710.18	2,891.83	2,821.63	70.20	41.195		
7,500.00	6,783.01	7,140.00	7,060.46	57.63	29.04	-141.20	1,662.94	-710.18	2,921.36	2,850.79	70.57	41.396		
7,600.00	6,869.76	7,183.82	7,103.37	58.61	29.12	-141.62	1,655.90	-704.87	2,952.28	2,881.37	70.92	41.630		
7,683.49	6,942.18	7,229.00	7,147.18	59.42	29.19	-142.10	1,645.29	-702.16	2,981.59	2,910.43	71.16	41.899		
7,700.00	6,956.57	7,229.00	7,147.18	59.58	29.19	-145.14	1,645.29	-702.16	2,987.28	2,916.08	71.20	41.954		
7,750.00	7,000.85	7,229.00	7,147.18	60.04	29.19	-155.42	1,645.29	-702.16	3,005.09	2,933.78	71.31	42.139		
7,800.00	7,045.94	7,229.00	7,147.18	60.46	29.19	-167.24	1,645.29	-702.16	3,023.63	2,952.24	71.39	42.351		
7,850.00	7,091.49	7,229.00	7,147.18	60.84	29.19	179.81	1,645.29	-702.16	3,042.75	2,971.31	71.45	42.588		
7,900.00	7,137.15	7,229.00	7,147.18	61.17	29.19	166.51	1,645.29	-702.16	3,062.30	2,990.83	71.47	42.848		
7,950.00	7,182.58	7,229.00	7,147.18	61.44	29.19	153.77	1,645.29	-702.16	3,082.12	3,010.65	71.47	43.127		
8,000.00	7,227.43	7,258.28	7,175.19	61.67	29.21	142.27	1,636.79	-701.63	3,101.58	3,030.12	71.46	43.402		
8,050.00	7,271.36	7,271.61	7,187.83	61.84	29.22	132.36	1,632.56	-701.58	3,120.94	3,049.51	71.43	43.691		
8,100.00	7,314.04	7,284.88	7,200.34	61.96	29.23	123.97	1,628.14	-701.66	3,139.93	3,068.54	71.39	43.983		
8,150.00	7,355.14	7,318.00	7,231.21	62.04	29.25	116.99	1,616.15	-702.41	3,158.64	3,087.29	71.35	44.272		
8,200.00	7,394.34	7,318.00	7,231.21	62.07	29.25	111.04	1,616.15	-702.41	3,176.29	3,105.00	71.29	44.555		
8,250.00	7,431.36	7,318.00	7,231.21	62.06	29.25	105.98	1,616.15	-702.41	3,193.37	3,122.14	71.23	44.833		
8,300.00	7,465.90	7,351.84	7,262.22	62.01	29.26	101.92	1,602.67	-703.69	3,209.43	3,138.26	71.16	45.099		
8,350.00	7,497.71	7,374.61	7,282.81	61.93	29.26	98.45	1,592.99	-704.70	3,224.42	3,153.32	71.11	45.347		
8,400.00	7,526.53	7,408.00	7,312.55	61.81	29.26	95.66	1,577.92	-706.40	3,238.28	3,167.23	71.05	45.580		
8,450.00	7,552.17	7,444.93	7,344.68	61.66	29.25	93.41	1,559.83	-708.29	3,250.73	3,179.77	70.97	45.805		
8,500.00	7,574.41	7,586.00	7,456.15	61.48	29.15	92.45	1,474.12	-712.16	3,260.78	3,190.28	70.50	46.251		
8,550.00	7,593.09	7,586.00	7,456.15	61.29	29.15	90.81	1,474.12	-712.16	3,268.96	3,198.44	70.53	46.351		
8,600.00	7,608.07	7,619.93	7,479.23	61.07	29.11	89.77	1,449.26	-712.54	3,275.46	3,205.07	70.39	46.534		
8,650.00	7,619.23	7,632.37	7,487.30	60.84	29.09	88.89	1,439.80	-712.89	3,280.95	3,210.57	70.38	46.616		
8,700.00	7,626.48	7,644.59	7,495.02	60.60	29.07	88.32	1,430.34	-713.34	3,285.16	3,214.77	70.40	46.666		
8,750.00	7,629.78	7,675.00	7,513.28	60.35	29.03	88.22	1,406.08	-714.94	3,288.26	3,217.94	70.32	46.761		
8,766.45	7,630.00	7,675.00	7,513.28	60.27	29.03	88.16	1,406.08	-714.94	3,288.87	3,218.51	70.36	46.744		
8,800.00	7,630.00	7,675.00	7,513.28	60.10	29.03	88.16	1,406.08	-714.94	3,290.16	3,219.72	70.44	46.708		
8,900.00	7,630.00	8,054.82	7,670.64	59.61	28.73	90.90	1,062.70	-719.54	3,290.71	3,222.32	68.39	48.115		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
9,000.00	7,630.00	8,173.53	7,693.10	59.15	28.82	91.29	946.26	-715.29	3,287.05	3,218.91	68.13	48.244		
9,100.00	7,630.00	8,269.06	7,702.24	58.71	28.99	91.45	851.28	-712.19	3,283.67	3,215.56	68.11	48.212		
9,200.00	7,630.00	8,467.02	7,698.64	58.30	29.66	91.39	653.57	-703.35	3,278.87	3,210.86	68.02	48.207		
9,300.00	7,630.00	8,534.49	7,698.36	57.91	30.00	91.39	586.22	-699.53	3,272.90	3,204.49	68.41	47.840		
9,400.00	7,630.00	8,589.40	7,698.34	57.54	30.30	91.39	531.36	-697.08	3,268.14	3,199.25	68.89	47.437		
9,500.00	7,630.00	8,655.00	7,699.12	57.19	30.70	91.41	465.79	-695.36	3,265.01	3,195.56	69.46	47.007		
9,600.00	7,630.00	8,735.01	7,701.10	56.87	31.26	91.44	385.82	-693.90	3,262.80	3,192.63	70.17	46.499		
9,700.00	7,630.00	8,786.37	7,702.79	56.57	31.65	91.47	334.49	-693.12	3,261.11	3,190.23	70.88	46.010		
9,751.98	7,630.00	8,810.07	7,703.67	56.43	31.83	91.49	310.81	-693.07	3,260.88	3,189.62	71.26	45.759		
9,800.00	7,630.00	8,833.00	7,704.58	56.30	32.00	91.50	287.90	-693.22	3,261.08	3,189.47	71.61	45.539		
9,900.00	7,630.00	8,883.48	7,706.39	56.05	32.42	91.54	237.45	-694.13	3,262.62	3,190.20	72.42	45.051		
10,000.00	7,630.00	8,947.22	7,708.01	55.82	32.96	91.56	173.77	-696.25	3,265.61	3,192.25	73.35	44.520		
10,100.00	7,630.00	9,097.60	7,711.40	55.63	34.35	91.62	23.52	-701.12	3,268.74	3,193.74	75.00	43.584		
10,200.00	7,630.00	9,244.18	7,712.86	55.46	35.84	91.64	-123.04	-703.19	3,269.83	3,192.94	76.89	42.526		
10,300.00	7,630.00	9,355.95	7,713.46	55.32	37.06	91.66	-234.80	-703.74	3,269.98	3,191.33	78.65	41.579		
10,400.00	7,630.00	9,509.22	7,710.44	55.22	38.84	91.60	-388.04	-703.44	3,269.48	3,188.46	81.02	40.352		
10,500.00	7,630.00	9,583.61	7,708.65	55.15	39.74	91.57	-462.40	-702.53	3,267.97	3,185.36	82.61	39.558		
10,547.41	7,630.00	9,605.83	7,708.17	55.14	40.01	91.56	-484.61	-702.53	3,267.79	3,184.56	83.22	39.265		
10,600.00	7,630.00	9,634.00	7,707.61	55.14	40.36	91.55	-512.78	-702.78	3,268.01	3,184.07	83.94	38.932		
10,700.00	7,630.00	9,772.15	7,705.29	55.18	42.12	91.51	-650.90	-703.58	3,268.23	3,181.71	86.52	37.772		
10,800.00	7,630.00	9,915.01	7,703.82	55.28	43.99	91.49	-793.75	-702.63	3,267.22	3,177.89	89.33	36.575		
10,873.38	7,630.00	9,931.84	7,703.69	55.41	44.22	91.49	-810.58	-702.68	3,266.72	3,176.59	90.13	36.244		
10,900.00	7,630.00	9,941.76	7,703.62	55.47	44.36	91.48	-820.50	-702.74	3,266.78	3,176.31	90.47	36.108		
11,000.00	7,630.00	9,990.00	7,703.26	55.74	45.00	91.48	-868.73	-703.76	3,268.31	3,176.36	91.94	35.548		
11,100.00	7,630.00	10,074.89	7,702.40	56.11	46.16	91.46	-953.58	-706.42	3,271.02	3,176.99	94.03	34.787		
11,200.00	7,630.00	10,247.64	7,705.23	56.60	48.58	91.51	-1,126.25	-709.50	3,272.53	3,174.82	97.72	33.490		
11,300.00	7,630.00	10,447.36	7,711.84	57.20	51.48	91.63	-1,325.84	-707.49	3,271.21	3,169.14	102.07	32.048		
11,400.00	7,630.00	10,510.58	7,713.11	57.91	52.42	91.65	-1,389.04	-706.42	3,269.18	3,165.15	104.03	31.424		
11,500.00	7,630.00	11,500.00	7,713.40	58.72	67.19	91.66	-1,498.31	-704.79	3,267.35	3,147.34	120.01	27.225		
11,600.00	7,630.00	10,679.87	7,713.42	59.63	54.95	91.66	-1,558.32	-704.12	3,265.97	3,157.15	108.82	30.013		
11,700.00	7,630.00	10,766.54	7,713.79	60.61	56.26	91.66	-1,644.98	-704.23	3,265.75	3,154.45	111.30	29.342		
11,800.00	7,630.00	10,899.16	7,715.39	61.67	58.29	91.69	-1,777.58	-703.42	3,264.78	3,150.02	114.75	28.451		
11,888.82	7,630.00	10,947.61	7,716.02	62.66	59.04	91.70	-1,826.03	-703.26	3,264.23	3,147.78	116.44	28.033		
11,900.00	7,630.00	10,953.71	7,716.08	62.78	59.13	91.70	-1,832.13	-703.28	3,264.23	3,147.58	116.65	27.983		
12,000.00	7,630.00	11,065.63	7,717.07	63.95	60.87	91.72	-1,944.05	-703.88	3,264.49	3,144.73	119.76	27.259		
12,006.91	7,630.00	11,075.20	7,717.17	64.03	61.01	91.72	-1,953.62	-703.88	3,264.47	3,144.45	120.01	27.201		
12,100.00	7,630.00	11,121.22	7,717.07	65.16	61.73	91.72	-1,999.63	-704.38	3,265.01	3,143.31	121.70	26.828		
12,200.00	7,630.00	11,254.83	7,715.22	66.41	63.82	91.69	-2,133.21	-706.28	3,266.19	3,140.86	125.33	26.061		
12,300.00	7,630.00	11,298.35	7,714.81	67.68	64.51	91.68	-2,176.72	-707.06	3,267.37	3,140.34	127.03	25.721		
12,400.00	7,630.00	11,405.98	7,714.40	68.99	66.20	91.67	-2,284.33	-709.72	3,269.52	3,139.36	130.16	25.119		
12,500.00	7,630.00	11,525.07	7,714.89	70.33	68.10	91.68	-2,403.40	-711.27	3,270.43	3,136.85	133.58	24.482		
12,600.00	7,630.00	11,574.69	7,715.33	71.68	68.89	91.69	-2,453.01	-712.32	3,272.24	3,136.79	135.45	24.159		
12,700.00	7,630.00	11,664.52	7,716.58	73.06	70.32	91.71	-2,542.78	-715.29	3,275.22	3,136.97	138.24	23.692		
12,800.00	7,630.00	11,818.03	7,717.91	74.45	72.79	91.73	-2,696.22	-719.15	3,277.49	3,134.94	142.56	22.991		
12,900.00	7,630.00	11,985.27	7,717.10	75.87	75.51	91.72	-2,863.45	-719.55	3,277.16	3,129.95	147.21	22.262		
13,000.00	7,630.00	12,062.55	7,715.43	77.29	76.78	91.69	-2,940.71	-719.52	3,276.72	3,126.92	149.80	21.874		
13,018.61	7,630.00	12,077.60	7,715.08	77.56	77.02	91.68	-2,955.77	-719.57	3,276.71	3,126.41	150.30	21.802		
13,100.00	7,630.00	12,150.82	7,713.83	78.74	78.22	91.66	-3,028.97	-720.02	3,276.88	3,124.23	152.65	21.466		
13,200.00	7,630.00	12,311.40	7,716.74	80.19	80.87	91.71	-3,189.52	-719.73	3,276.54	3,119.30	157.25	20.837		
13,300.00	7,630.00	12,440.84	7,719.97	81.66	83.03	91.77	-3,318.87	-716.57	3,273.65	3,112.51	161.14	20.316		
13,400.00	7,630.00	12,502.99	7,721.66	83.14	84.07	91.80	-3,380.99	-715.58	3,271.78	3,108.33	163.45	20.016		
13,500.00	7,630.00	12,575.00	7,723.48	84.63	85.27	91.83	-3,452.98	-715.02	3,270.78	3,104.78	166.00	19.704		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
13,549.41	7,630.00	12,608.61	7,724.14	85.38	85.83	91.84	-3,486.58	-714.99	3,270.62	3,103.42	167.21	19.561		
13,600.00	7,630.00	12,638.23	7,724.52	86.14	86.32	91.85	-3,516.20	-715.18	3,270.78	3,102.47	168.32	19.432		
13,700.00	7,630.00	13,700.00	7,725.42	87.65	104.12	91.86	-3,695.56	-715.42	3,270.90	3,082.63	188.28	17.373		
13,800.00	7,630.00	12,897.56	7,726.39	89.17	90.66	91.88	-3,775.48	-713.87	3,268.82	3,092.58	176.24	18.547		
13,871.73	7,630.00	12,931.00	7,727.11	90.27	91.22	91.90	-3,808.91	-713.82	3,268.46	3,090.82	177.64	18.399		
13,900.00	7,630.00	12,931.00	7,727.11	90.70	91.22	91.90	-3,808.91	-713.82	3,268.58	3,090.73	177.85	18.378		
14,000.00	7,630.00	12,996.70	7,728.58	92.24	92.32	91.92	-3,874.59	-714.73	3,269.80	3,089.57	180.23	18.142		
14,100.00	7,630.00	13,070.33	7,729.90	93.78	93.55	91.94	-3,948.18	-716.75	3,272.23	3,089.43	182.80	17.900		
14,200.00	7,630.00	13,167.70	7,730.84	95.33	95.18	91.96	-4,045.50	-719.82	3,275.07	3,089.07	185.99	17.608		
14,300.00	7,630.00	13,362.12	7,731.75	96.89	98.44	91.97	-4,239.87	-723.47	3,276.82	3,085.11	191.70	17.093		
14,316.08	7,630.00	14,316.08	7,731.73	97.15	114.53	91.97	-4,239.15	-723.37	3,276.75	3,068.84	207.91	15.760		
14,400.00	7,630.00	13,423.93	7,732.27	98.46	99.48	91.98	-4,301.67	-723.81	3,277.15	3,083.13	194.02	16.890		
14,500.00	7,630.00	13,485.29	7,733.83	100.03	100.52	92.01	-4,363.00	-725.13	3,278.97	3,082.65	196.31	16.703		
14,600.00	7,630.00	13,619.61	7,733.02	101.61	102.79	91.99	-4,497.27	-728.07	3,280.83	3,080.32	200.51	16.362		
14,700.00	7,630.00	14,700.00	7,729.26	103.20	121.19	91.93	-4,683.34	-728.37	3,280.46	3,059.21	221.25	14.827		
14,800.00	7,630.00	13,880.45	7,727.95	104.78	107.22	91.90	-4,758.05	-727.50	3,279.04	3,070.33	208.71	15.711		
14,851.45	7,630.00	13,911.00	7,727.44	105.61	107.74	91.90	-4,788.59	-727.58	3,278.93	3,069.04	209.89	15.622		
14,900.00	7,630.00	13,929.75	7,727.12	106.38	108.06	91.89	-4,807.34	-727.77	3,279.19	3,068.46	210.73	15.561		
15,000.00	7,630.00	13,980.91	7,726.20	107.98	108.93	91.87	-4,858.48	-728.82	3,280.84	3,068.08	212.76	15.421		
15,100.00	7,630.00	14,094.02	7,724.18	109.58	110.84	91.84	-4,971.53	-732.11	3,283.40	3,066.96	216.44	15.170		
15,200.00	7,630.00	14,240.42	7,721.89	111.19	113.33	91.80	-5,117.89	-734.41	3,284.53	3,063.52	221.01	14.862		
15,300.00	7,630.00	14,395.63	7,720.76	112.81	115.99	91.78	-5,273.09	-734.54	3,284.24	3,058.45	225.79	14.546		
15,400.00	7,630.00	14,475.60	7,720.49	114.42	117.36	91.77	-5,353.06	-733.90	3,283.16	3,054.52	228.64	14.360		
15,431.27	7,630.00	14,490.94	7,720.57	114.93	117.62	91.77	-5,368.40	-733.91	3,283.09	3,053.81	229.28	14.319		
15,500.00	7,630.00	14,535.00	7,721.09	116.05	118.38	91.78	-5,412.45	-734.35	3,283.49	3,052.54	230.95	14.218		
15,600.00	7,630.00	14,630.89	7,722.52	117.67	120.02	91.81	-5,508.32	-735.72	3,284.61	3,050.40	234.21	14.024		
15,700.00	7,630.00	14,707.92	7,724.47	119.30	121.34	91.84	-5,585.31	-736.90	3,285.88	3,048.91	236.97	13.866		
15,800.00	7,630.00	14,802.00	7,727.99	120.93	122.95	91.90	-5,679.32	-738.34	3,287.22	3,047.03	240.19	13.686		
15,900.00	7,630.00	14,865.50	7,730.64	122.57	124.04	91.95	-5,742.75	-739.70	3,289.29	3,046.74	242.56	13.561		
16,000.00	7,630.00	14,964.15	7,735.33	124.21	125.72	92.03	-5,841.23	-743.09	3,292.56	3,046.66	245.90	13.390		
16,100.00	7,630.00	15,107.09	7,742.32	125.85	128.18	92.15	-5,983.95	-746.37	3,294.64	3,044.15	250.50	13.152		
16,200.00	7,630.00	15,186.15	7,745.96	127.50	129.53	92.21	-6,062.92	-747.82	3,296.37	3,043.06	253.31	13.013		
16,300.00	7,630.00	15,248.00	7,748.28	129.15	130.59	92.25	-6,124.69	-749.85	3,299.36	3,043.73	255.62	12.907		
16,400.00	7,630.00	15,359.94	7,752.09	130.80	132.51	92.31	-6,236.49	-753.68	3,302.58	3,043.22	259.36	12.734		
16,500.00	7,630.00	15,427.38	7,753.83	132.46	133.67	92.34	-6,303.86	-756.22	3,306.12	3,044.30	261.81	12.628		
16,600.00	7,630.00	15,513.55	7,755.31	134.11	135.14	92.36	-6,389.94	-760.10	3,310.35	3,045.55	264.80	12.501		
16,700.00	7,630.00	15,687.17	7,757.30	135.77	138.11	92.39	-6,563.42	-766.49	3,313.78	3,043.46	270.32	12.259		
16,800.00	7,630.00	15,854.67	7,758.65	137.43	141.00	92.41	-6,730.90	-768.87	3,314.84	3,039.26	275.58	12.029		
16,900.00	7,630.00	15,981.49	7,757.98	139.10	143.20	92.40	-6,857.70	-769.12	3,314.70	3,034.99	279.71	11.851		
17,000.00	7,630.00	17,000.00	7,750.87	140.77	160.96	92.28	-7,081.93	-764.05	3,311.69	3,011.64	300.06	11.037		
17,100.00	7,630.00	16,268.08	7,749.84	142.44	148.19	92.27	-7,144.04	-761.63	3,307.58	3,018.84	288.74	11.455		
17,200.00	7,630.00	16,312.00	7,749.86	144.11	148.95	92.27	-7,187.95	-760.79	3,305.26	3,014.47	290.79	11.367		
17,278.54	7,630.00	16,337.79	7,750.08	145.42	149.40	92.27	-7,213.74	-760.71	3,304.71	3,012.61	292.10	11.314		
17,300.00	7,630.00	16,345.83	7,750.17	145.78	149.54	92.27	-7,221.78	-760.76	3,304.77	3,012.29	292.47	11.299		
17,400.00	7,630.00	16,401.00	7,751.02	147.46	150.49	92.29	-7,276.93	-761.93	3,306.30	3,011.64	294.66	11.221		
17,500.00	7,630.00	16,463.78	7,752.33	149.13	151.57	92.31	-7,339.65	-764.04	3,309.13	3,012.12	297.02	11.141		
17,600.00	7,630.00	16,596.82	7,756.11	150.81	153.87	92.37	-7,472.60	-767.63	3,311.62	3,010.22	301.40	10.987		
17,700.00	7,630.00	16,693.31	7,759.82	152.49	155.54	92.44	-7,569.00	-769.40	3,313.30	3,008.56	304.73	10.873		
17,800.00	7,630.00	16,757.00	7,762.30	154.18	156.64	92.48	-7,632.61	-771.38	3,316.11	3,009.00	307.11	10.798		
17,900.00	7,630.00	16,835.33	7,765.19	155.86	157.99	92.53	-7,710.82	-774.50	3,319.84	3,009.94	309.90	10.713		
18,000.00	7,630.00	16,950.14	7,770.45	157.55	159.98	92.61	-7,825.43	-778.78	3,323.44	3,009.67	313.77	10.592		
18,100.00	7,630.00	17,040.76	7,773.47	159.24	161.54	92.66	-7,915.93	-782.16	3,326.99	3,010.06	316.93	10.498		

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



## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<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	
18,200.00	7,630.00	17,138.04	7,775.06	160.92	163.22	92.69	-8,013.12	-786.06	3,330.74	3,010.46	320.28	10.400	
18,300.00	7,630.00	17,266.82	7,776.64	162.62	165.44	92.71	-8,141.81	-790.72	3,334.08	3,009.51	324.57	10.272	
18,400.00	7,630.00	17,389.46	7,779.10	164.31	167.57	92.75	-8,264.38	-794.06	3,336.56	3,007.89	328.67	10.152	
18,458.39	7,630.00	17,460.79	7,780.92	165.30	168.80	92.78	-8,335.66	-795.63	3,337.71	3,006.66	331.05	10.082 SF	



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	-51.65	785.34	-992.54	1,307.72					
100.00	100.00	318.00	317.99	0.13	0.00	-51.65	785.34	-992.54	1,286.21	1,285.78	0.43	2,988.427		
200.00	200.00	318.00	317.99	0.49	0.00	-51.65	785.34	-992.54	1,272.22	1,271.67	0.54	2,340.741		
300.00	300.00	318.00	317.99	0.85	0.00	-51.65	785.34	-992.54	1,265.99	1,265.14	0.85	1,484.156		
328.99	328.99	318.00	317.99	0.96	0.00	-51.65	785.34	-992.54	1,265.66	1,264.70	0.96	1,324.619		
400.00	400.00	387.80	387.78	1.21	0.13	-51.69	784.70	-993.20	1,265.78	1,264.44	1.34	947.868		
500.00	500.00	490.43	490.40	1.57	0.31	-51.75	783.71	-993.96	1,265.77	1,263.89	1.88	673.934		
600.00	600.00	593.06	593.03	1.93	0.49	-51.80	782.70	-994.48	1,265.56	1,263.13	2.42	522.735		
623.33	623.33	617.01	616.98	2.01	0.54	-51.81	782.46	-994.57	1,265.48	1,262.93	2.55	496.713 CC		
700.00	700.00	678.35	678.31	2.29	0.80	-51.76	783.50	-994.20	1,265.87	1,262.78	3.08	410.467 ES		
800.00	800.00	766.90	766.75	2.64	1.11	-51.58	787.38	-992.60	1,267.17	1,263.42	3.75	338.227		
900.00	900.00	857.70	857.21	3.00	1.44	-51.23	794.61	-989.28	1,269.29	1,264.86	4.43	286.362		
1,000.00	1,000.00	944.74	943.58	3.36	1.76	-50.76	804.29	-984.78	1,272.29	1,267.17	5.12	248.510		
1,100.00	1,100.00	1,030.94	1,028.89	3.72	2.11	-50.23	815.70	-980.03	1,276.50	1,270.68	5.82	219.352		
1,200.00	1,199.98	1,125.66	1,122.34	4.07	2.50	-100.60	829.97	-974.10	1,281.79	1,275.22	6.56	195.276		
1,300.00	1,299.84	1,220.87	1,216.17	4.43	2.91	-100.01	844.90	-968.00	1,288.14	1,280.82	7.32	176.008		
1,400.00	1,399.45	1,332.67	1,326.40	4.79	3.40	-99.52	862.26	-961.07	1,295.26	1,287.10	8.16	158.821		
1,500.00	1,498.70	1,437.38	1,429.59	5.15	3.86	-99.18	878.14	-953.02	1,301.58	1,292.60	8.97	145.025		
1,600.00	1,597.47	1,521.17	1,512.06	5.53	4.23	-98.98	891.47	-946.76	1,309.13	1,299.42	9.72	134.709		
1,700.00	1,695.62	1,631.65	1,620.64	5.93	4.73	-98.87	910.13	-938.39	1,317.85	1,307.24	10.61	124.221		
1,800.00	1,793.06	1,746.44	1,733.65	6.35	5.25	-98.98	927.81	-928.82	1,325.46	1,313.92	11.54	114.864		
1,900.00	1,889.64	1,828.92	1,814.94	6.79	5.62	-99.14	940.23	-922.52	1,334.02	1,321.67	12.34	108.066		
2,000.00	1,985.27	1,912.73	1,897.57	7.27	5.99	-99.42	953.27	-917.28	1,344.53	1,331.35	13.18	101.976		
2,100.00	2,079.82	2,054.30	2,037.11	7.79	6.62	-100.20	974.81	-907.02	1,354.96	1,340.63	14.34	94.512		
2,200.00	2,173.17	2,153.30	2,134.56	8.36	7.07	-100.78	989.34	-897.36	1,363.88	1,348.54	15.34	88.910		
2,300.00	2,265.21	2,231.50	2,211.46	8.97	7.43	-101.26	1,001.51	-890.14	1,374.70	1,358.40	16.29	84.376		
2,400.00	2,355.84	2,308.73	2,287.42	9.64	7.78	-101.80	1,014.06	-884.03	1,387.96	1,370.68	17.28	80.309		
2,500.00	2,444.94	2,387.00	2,364.39	10.36	8.14	-102.40	1,027.23	-878.74	1,403.64	1,385.32	18.32	76.617		
2,591.69	2,525.19	2,459.41	2,435.63	11.07	8.47	-103.01	1,039.53	-874.72	1,420.11	1,400.80	19.31	73.538		
2,600.00	2,532.40	2,467.49	2,443.59	11.14	8.51	-103.12	1,040.90	-874.31	1,421.70	1,402.29	19.41	73.244		
2,700.00	2,619.15	2,564.65	2,539.29	11.96	8.95	-104.44	1,056.99	-869.49	1,441.01	1,420.40	20.61	69.915		
2,800.00	2,705.89	2,649.41	2,622.98	12.81	9.32	-105.61	1,069.93	-866.10	1,461.16	1,439.42	21.74	67.208		
2,900.00	2,792.64	2,764.94	2,737.21	13.67	9.82	-107.20	1,086.61	-861.59	1,481.80	1,458.77	23.03	64.338		
3,000.00	2,879.39	2,882.89	2,853.47	14.55	10.34	-108.68	1,104.62	-853.27	1,500.90	1,476.55	24.36	61.623		
3,100.00	2,966.14	3,010.63	2,979.69	15.44	10.90	-110.29	1,121.87	-843.81	1,519.82	1,494.11	25.71	59.113		
3,200.00	3,052.88	3,103.52	3,071.76	16.34	11.28	-111.51	1,131.90	-836.72	1,537.95	1,511.09	26.87	57.245		
3,300.00	3,139.63	3,214.01	3,181.24	17.25	11.74	-112.93	1,143.57	-827.53	1,556.14	1,528.05	28.09	55.389		
3,400.00	3,226.38	3,316.52	3,282.42	18.17	12.19	-114.12	1,156.35	-817.15	1,574.26	1,544.95	29.31	53.716		
3,500.00	3,313.12	3,409.36	3,373.68	19.09	12.61	-115.10	1,169.72	-806.50	1,592.54	1,562.05	30.49	52.236		
3,600.00	3,399.87	3,486.45	3,449.55	20.02	12.96	-115.91	1,180.55	-798.28	1,611.91	1,580.33	31.57	51.051		
3,700.00	3,486.62	3,560.50	3,522.72	20.96	13.29	-116.73	1,190.01	-791.88	1,633.04	1,600.42	32.62	50.068		
3,800.00	3,573.37	3,682.78	3,643.53	21.90	13.82	-118.05	1,205.64	-781.33	1,654.90	1,621.01	33.89	48.832		
3,900.00	3,660.11	3,790.73	3,749.66	22.84	14.31	-119.09	1,220.93	-768.88	1,674.93	1,639.83	35.10	47.713		
4,000.00	3,746.86	3,861.95	3,819.89	23.78	14.63	-119.80	1,230.11	-761.44	1,696.08	1,659.97	36.10	46.977		
4,100.00	3,833.61	3,931.50	3,888.76	24.73	14.92	-120.54	1,237.94	-755.69	1,719.11	1,682.05	37.06	46.388		
4,200.00	3,920.35	4,005.34	3,961.94	25.68	15.23	-121.31	1,246.25	-750.46	1,743.73	1,705.71	38.01	45.871		
4,300.00	4,007.10	4,077.00	4,032.71	26.63	15.54	-121.99	1,256.35	-745.53	1,769.76	1,730.80	38.96	45.425		
4,400.00	4,093.85	4,144.47	4,099.17	27.59	15.85	-122.57	1,267.18	-741.43	1,797.38	1,757.50	39.88	45.068		
4,500.00	4,180.60	4,269.59	4,222.52	28.55	16.41	-123.64	1,286.88	-734.17	1,825.58	1,784.42	41.16	44.355		
4,600.00	4,267.34	4,353.67	4,305.64	29.50	16.77	-124.39	1,298.39	-729.00	1,853.27	1,811.12	42.15	43.973		
4,700.00	4,354.09	4,472.58	4,423.27	30.46	17.28	-125.43	1,313.97	-721.19	1,880.83	1,837.51	43.32	43.416		
4,800.00	4,440.84	4,545.68	4,495.46	31.42	17.60	-126.02	1,324.30	-716.15	1,908.64	1,864.41	44.23	43.152		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,527.58	4,659.47	4,607.38	32.39	18.12	-126.85	1,342.99	-707.75	1,936.77	1,891.35	45.42	42.642		
5,000.00	4,614.33	4,736.15	4,682.81	33.35	18.48	-127.39	1,355.54	-702.06	1,965.06	1,918.69	46.37	42.382		
5,100.00	4,701.08	4,806.99	4,752.67	34.31	18.79	-127.90	1,366.38	-697.54	1,994.40	1,947.16	47.24	42.217		
5,200.00	4,787.82	5,003.68	4,946.28	35.28	19.69	-129.25	1,396.74	-681.23	2,022.44	1,973.53	48.92	41.346		
5,300.00	4,874.57	5,059.78	5,001.48	36.25	19.95	-129.63	1,405.09	-675.69	2,048.95	1,999.24	49.71	41.217		
5,400.00	4,961.32	5,127.76	5,068.61	37.21	20.24	-130.11	1,414.27	-670.17	2,077.17	2,026.63	50.54	41.099		
5,500.00	5,048.07	5,227.89	5,167.83	38.18	20.67	-130.86	1,425.69	-662.96	2,106.31	2,054.79	51.52	40.881		
5,600.00	5,134.81	5,413.58	5,351.00	39.15	21.49	-132.12	1,449.16	-643.84	2,132.79	2,079.79	53.00	40.245		
5,700.00	5,221.56	5,492.43	5,428.53	40.12	21.85	-132.62	1,459.78	-634.16	2,157.97	2,104.08	53.89	40.044		
5,800.00	5,308.31	5,553.00	5,488.14	41.09	22.12	-132.98	1,468.22	-627.49	2,184.61	2,129.94	54.67	39.958		
5,900.00	5,395.05	5,606.71	5,541.04	42.06	22.37	-133.30	1,476.03	-622.50	2,213.09	2,157.69	55.39	39.951		
6,000.00	5,481.80	5,666.30	5,599.83	43.03	22.63	-133.65	1,484.67	-618.00	2,243.34	2,187.21	56.13	39.969		
6,100.00	5,568.55	5,730.10	5,662.99	44.00	22.90	-134.05	1,492.78	-614.13	2,275.06	2,218.21	56.85	40.017		
6,200.00	5,655.30	5,801.00	5,733.28	44.97	23.20	-134.49	1,501.40	-610.60	2,307.99	2,250.38	57.60	40.067		
6,300.00	5,742.04	5,994.14	5,924.13	45.94	24.04	-135.59	1,527.57	-597.00	2,339.02	2,279.83	59.19	39.515		
6,400.00	5,828.79	6,090.27	6,018.65	46.92	24.48	-136.06	1,542.65	-588.07	2,368.47	2,308.29	60.17	39.360		
6,500.00	5,915.54	6,157.00	6,084.12	47.89	24.80	-136.35	1,554.15	-582.32	2,398.72	2,337.75	60.97	39.343		
6,600.00	6,002.28	6,210.25	6,136.44	48.86	25.04	-136.59	1,563.32	-578.47	2,430.40	2,368.75	61.65	39.423		
6,700.00	6,089.03	6,265.89	6,191.29	49.83	25.29	-136.84	1,572.09	-575.39	2,463.72	2,401.40	62.31	39.538		
6,800.00	6,175.78	6,335.00	6,259.67	50.81	25.59	-137.19	1,581.66	-572.52	2,498.40	2,435.36	63.04	39.630		
6,900.00	6,262.53	6,544.19	6,466.68	51.78	26.48	-138.26	1,608.55	-559.26	2,531.15	2,466.43	64.72	39.108		
7,000.00	6,349.27	6,649.30	6,570.31	52.76	26.95	-138.74	1,623.19	-549.54	2,561.41	2,495.70	65.71	38.983		
7,100.00	6,436.02	6,710.89	6,630.98	53.73	27.23	-139.01	1,632.47	-544.33	2,592.59	2,526.18	66.41	39.037		
7,200.00	6,522.77	6,763.48	6,682.84	54.71	27.46	-139.23	1,640.39	-540.65	2,625.24	2,558.20	67.04	39.158		
7,300.00	6,609.51	7,078.51	6,993.80	55.68	28.61	-141.20	1,655.29	-507.47	2,655.06	2,586.32	68.74	38.623		
7,400.00	6,696.26	7,101.58	7,016.27	56.66	28.66	-141.45	1,651.17	-504.26	2,682.43	2,613.32	69.10	38.817		
7,500.00	6,783.01	7,138.00	7,051.53	57.63	28.73	-141.87	1,643.03	-500.27	2,712.66	2,643.26	69.40	39.087		
7,600.00	6,869.76	7,138.00	7,051.53	58.61	28.73	-141.87	1,643.03	-500.27	2,745.32	2,675.67	69.64	39.419		
7,683.49	6,942.18	7,138.00	7,051.53	59.42	28.73	-141.87	1,643.03	-500.27	2,775.05	2,705.26	69.79	39.763		
7,700.00	6,956.57	7,138.00	7,051.53	59.58	28.73	-144.96	1,643.03	-500.27	2,781.20	2,711.38	69.81	39.838		
7,750.00	7,000.85	7,138.00	7,051.53	60.04	28.73	-155.41	1,643.03	-500.27	2,800.41	2,730.55	69.86	40.083		
7,800.00	7,045.94	7,138.00	7,051.53	60.46	28.73	-167.42	1,643.03	-500.27	2,820.40	2,750.50	69.89	40.353		
7,850.00	7,091.49	7,175.62	7,087.72	60.84	28.76	179.22	1,633.01	-498.08	2,839.44	2,769.51	69.93	40.605		
7,900.00	7,137.15	7,182.75	7,094.56	61.17	28.77	165.78	1,630.98	-497.94	2,859.82	2,789.89	69.93	40.898		
7,950.00	7,182.58	7,189.95	7,101.44	61.44	28.77	152.93	1,628.88	-497.90	2,880.35	2,810.44	69.90	41.204		
8,000.00	7,227.43	7,227.00	7,136.66	61.67	28.80	141.34	1,617.47	-499.13	2,901.83	2,831.93	69.90	41.514		
8,050.00	7,271.36	7,227.00	7,136.66	61.84	28.80	131.36	1,617.47	-499.13	2,921.76	2,851.91	69.85	41.828		
8,100.00	7,314.04	7,227.00	7,136.66	61.96	28.80	122.87	1,617.47	-499.13	2,941.49	2,871.70	69.79	42.146		
8,150.00	7,355.14	7,227.00	7,136.66	62.04	28.80	115.69	1,617.47	-499.13	2,960.88	2,891.15	69.73	42.463		
8,200.00	7,394.34	7,227.00	7,136.66	62.07	28.80	109.60	1,617.47	-499.13	2,979.77	2,910.11	69.66	42.775		
8,250.00	7,431.36	7,227.00	7,136.66	62.06	28.80	104.42	1,617.47	-499.13	2,998.05	2,928.45	69.60	43.077		
8,300.00	7,465.90	7,227.00	7,136.66	62.01	28.80	99.99	1,617.47	-499.13	3,015.57	2,946.03	69.54	43.364		
8,350.00	7,497.71	7,258.18	7,165.97	61.93	28.81	96.54	1,607.15	-501.61	3,031.64	2,962.09	69.55	43.590		
8,400.00	7,526.53	7,268.67	7,175.78	61.81	28.81	93.45	1,603.55	-502.64	3,046.86	2,977.33	69.54	43.817		
8,450.00	7,552.17	7,278.67	7,185.09	61.66	28.82	90.84	1,600.07	-503.70	3,060.91	2,991.36	69.54	44.015		
8,500.00	7,574.41	8,500.00	7,215.14	61.48	28.77	88.98	1,588.72	-507.88	3,074.17	3,004.44	69.73	44.085		
8,550.00	7,593.09	7,505.70	7,383.34	61.29	28.76	89.50	1,493.40	-524.40	3,085.11	3,015.68	69.44	44.429		
8,600.00	7,608.07	7,517.03	7,392.30	61.07	28.74	88.25	1,486.49	-525.09	3,092.90	3,023.43	69.47	44.522		
8,650.00	7,619.23	7,536.62	7,407.50	60.84	28.72	87.43	1,474.20	-526.31	3,099.29	3,029.79	69.50	44.597		
8,700.00	7,626.48	7,871.88	7,590.69	60.60	28.23	89.52	1,200.48	-530.64	3,103.09	3,035.59	67.50	45.969		
8,750.00	7,629.78	7,906.37	7,599.91	60.35	28.18	89.60	1,167.29	-529.17	3,102.12	3,034.73	67.39	46.030		
8,766.45	7,630.00	7,917.61	7,602.83	60.27	28.16	89.70	1,156.44	-528.73	3,101.46	3,034.10	67.36	46.042		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
8,800.00	7,630.00	7,940.00	7,608.51	60.10	28.12	89.81	1,134.80	-527.89	3,100.02	3,032.71	67.31	46.057		
8,900.00	7,630.00	7,979.75	7,618.17	59.61	28.08	89.98	1,096.25	-526.83	3,096.89	3,029.48	67.41	45.940		
9,000.00	7,630.00	8,029.00	7,629.35	59.15	28.03	90.19	1,048.29	-526.54	3,095.79	3,028.31	67.48	45.877		
9,100.00	7,630.00	8,271.77	7,663.50	58.71	28.18	90.83	808.29	-520.94	3,093.48	3,026.71	66.77	46.331		
9,200.00	7,630.00	8,366.82	7,666.32	58.30	28.45	90.88	713.39	-516.57	3,088.58	3,021.64	66.95	46.134		
9,300.00	7,630.00	8,461.52	7,668.04	57.91	28.85	90.91	618.79	-512.37	3,083.85	3,016.56	67.29	45.830		
9,400.00	7,630.00	8,561.30	7,669.53	57.54	29.40	90.94	519.12	-508.06	3,079.21	3,011.42	67.79	45.420		
9,500.00	7,630.00	8,637.22	7,670.33	57.19	29.91	90.96	443.26	-505.06	3,074.95	3,006.53	68.43	44.939		
9,600.00	7,630.00	8,708.48	7,671.38	56.87	30.43	90.98	372.05	-502.85	3,071.54	3,002.39	69.15	44.420		
9,700.00	7,630.00	8,780.25	7,672.53	56.57	31.00	91.00	300.30	-501.31	3,069.08	2,999.11	69.96	43.867		
9,800.00	7,630.00	8,857.81	7,673.56	56.30	31.66	91.02	222.76	-500.32	3,067.48	2,996.58	70.90	43.267		
9,900.00	7,630.00	8,947.59	7,673.10	56.05	32.48	91.01	132.98	-499.65	3,066.39	2,994.38	72.00	42.588		
10,000.00	7,630.00	9,041.13	7,671.87	55.82	33.39	90.99	39.45	-499.18	3,065.53	2,992.27	73.25	41.850		
10,100.00	7,630.00	9,152.86	7,669.85	55.63	34.54	90.95	-72.26	-498.77	3,064.81	2,990.02	74.78	40.982		
10,200.00	7,630.00	9,258.94	7,668.04	55.46	35.71	90.92	-178.31	-497.70	3,063.43	2,987.01	76.42	40.087		
10,300.00	7,630.00	9,382.26	7,668.59	55.32	37.13	90.93	-301.63	-496.05	3,061.77	2,983.37	78.40	39.053		
10,400.00	7,630.00	9,489.71	7,668.69	55.22	38.44	90.93	-409.05	-494.06	3,059.59	2,979.24	80.35	38.079		
10,500.00	7,630.00	9,614.10	7,668.76	55.15	40.00	90.93	-533.41	-491.19	3,056.96	2,974.32	82.64	36.990		
10,600.00	7,630.00	9,675.47	7,668.80	55.14	40.80	90.93	-594.76	-489.70	3,054.31	2,970.13	84.18	36.285		
10,700.00	7,630.00	9,721.00	7,668.62	55.18	41.39	90.93	-640.29	-489.35	3,053.27	2,967.77	85.50	35.710		
10,722.90	7,630.00	9,737.89	7,668.54	55.19	41.61	90.93	-657.18	-489.39	3,053.25	2,967.34	85.91	35.540		
10,800.00	7,630.00	9,778.54	7,668.44	55.28	42.15	90.93	-697.83	-489.82	3,053.80	2,966.77	87.03	35.090		
10,900.00	7,630.00	9,839.93	7,668.29	55.47	42.97	90.92	-759.20	-491.30	3,055.83	2,967.19	88.64	34.476		
11,000.00	7,630.00	9,924.89	7,665.55	55.74	44.11	90.87	-844.06	-494.17	3,058.79	2,968.14	90.65	33.743		
11,100.00	7,630.00	10,123.33	7,655.46	56.11	46.88	90.68	-1,042.19	-498.13	3,060.51	2,965.85	94.67	32.329		
11,200.00	7,630.00	10,249.40	7,648.74	56.60	48.69	90.56	-1,168.08	-497.82	3,059.85	2,962.26	97.59	31.353		
11,300.00	7,630.00	10,387.85	7,642.63	57.20	50.73	90.44	-1,306.38	-495.96	3,058.09	2,957.24	100.85	30.323		
11,400.00	7,630.00	10,503.78	7,636.84	57.91	52.47	90.33	-1,422.14	-493.53	3,055.62	2,951.85	103.77	29.446		
11,500.00	7,630.00	10,572.58	7,633.28	58.72	53.51	90.27	-1,490.83	-492.10	3,053.25	2,947.41	105.84	28.848		
11,600.00	7,630.00	10,636.41	7,630.25	59.63	54.48	90.21	-1,554.59	-491.65	3,052.16	2,944.34	107.82	28.307		
11,662.03	7,630.00	10,681.82	7,628.11	60.23	55.17	90.17	-1,599.95	-491.69	3,051.99	2,942.81	109.18	27.954		
11,700.00	7,630.00	10,710.74	7,626.72	60.61	55.61	90.14	-1,628.84	-491.84	3,052.05	2,942.02	110.03	27.739		
11,800.00	7,630.00	10,793.87	7,622.52	61.67	56.89	90.07	-1,711.86	-492.61	3,052.63	2,940.19	112.44	27.150		
11,900.00	7,630.00	10,890.79	7,619.25	62.78	58.38	90.00	-1,808.71	-493.84	3,053.57	2,938.40	115.17	26.513		
12,000.00	7,630.00	10,999.79	7,616.60	63.95	60.07	89.96	-1,917.67	-494.99	3,054.28	2,936.06	118.21	25.837		
12,100.00	7,630.00	11,106.55	7,612.85	65.16	61.74	89.88	-2,024.36	-496.10	3,055.00	2,933.76	121.24	25.198		
12,200.00	7,630.00	11,229.88	7,607.37	66.41	63.69	89.78	-2,147.56	-496.52	3,055.00	2,930.33	124.67	24.505		
12,300.00	7,630.00	11,333.21	7,601.52	67.68	65.34	89.67	-2,250.72	-496.49	3,054.66	2,926.98	127.68	23.924		
12,400.00	7,630.00	11,471.22	7,596.07	68.99	67.56	89.57	-2,388.61	-495.39	3,053.53	2,922.00	131.53	23.216		
12,500.00	7,630.00	11,597.40	7,591.69	70.33	69.60	89.49	-2,514.70	-493.15	3,051.44	2,916.30	135.15	22.579		
12,600.00	7,630.00	11,712.89	7,586.31	71.68	71.49	89.39	-2,630.03	-490.18	3,048.57	2,910.02	138.55	22.003		
12,700.00	7,630.00	11,798.86	7,583.34	73.06	72.90	89.33	-2,715.91	-487.95	3,045.68	2,904.38	141.31	21.554		
12,800.00	7,630.00	11,879.15	7,582.82	74.45	74.21	89.32	-2,796.19	-486.54	3,043.58	2,899.62	143.95	21.143		
12,900.00	7,630.00	12,002.87	7,582.76	75.87	76.25	89.32	-2,919.88	-484.01	3,041.17	2,893.52	147.65	20.598		
13,000.00	7,630.00	12,097.53	7,582.12	77.29	77.82	89.30	-3,014.51	-481.76	3,038.48	2,887.81	150.67	20.166		
13,100.00	7,630.00	12,159.44	7,583.08	78.74	78.84	89.32	-3,076.40	-480.67	3,036.45	2,883.53	152.92	19.856		
13,172.28	7,630.00	12,194.88	7,584.09	79.79	79.43	89.34	-3,111.82	-480.57	3,035.97	2,881.66	154.31	19.675		
13,200.00	7,630.00	12,216.00	7,584.83	80.19	79.78	89.36	-3,132.93	-480.71	3,036.04	2,881.02	155.02	19.584		
13,300.00	7,630.00	12,300.56	7,588.05	81.66	81.18	89.42	-3,217.43	-481.60	3,036.67	2,878.85	157.83	19.240		
13,400.00	7,630.00	12,419.36	7,592.17	83.14	83.15	89.49	-3,336.15	-482.41	3,036.98	2,875.45	161.52	18.802		
13,500.00	7,630.00	12,510.45	7,594.62	84.63	84.66	89.54	-3,427.21	-482.84	3,037.09	2,872.57	164.52	18.461		
13,600.00	7,630.00	12,595.74	7,596.10	86.14	86.08	89.57	-3,512.48	-483.77	3,037.81	2,870.45	167.36	18.151		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
13,700.00	7,630.00	12,706.71	7,597.06	87.65	87.93	89.59	-3,623.44	-484.75	3,038.34	2,867.46	170.88	17.780		
13,800.00	7,630.00	12,799.26	7,597.00	89.17	89.48	89.59	-3,715.99	-485.60	3,038.93	2,865.00	173.93	17.472		
13,900.00	7,630.00	12,889.62	7,596.12	90.70	90.99	89.57	-3,806.34	-486.69	3,039.81	2,862.89	176.92	17.182		
14,000.00	7,630.00	12,985.25	7,594.53	92.24	92.59	89.54	-3,901.94	-488.11	3,040.96	2,860.91	180.05	16.889		
14,100.00	7,630.00	13,097.52	7,592.28	93.78	94.48	89.50	-4,014.18	-489.63	3,042.01	2,858.37	183.64	16.565		
14,200.00	7,630.00	13,190.31	7,590.10	95.33	96.04	89.46	-4,106.94	-490.73	3,042.87	2,856.16	186.71	16.297		
14,300.00	7,630.00	13,321.78	7,589.48	96.89	98.26	89.44	-4,238.39	-491.83	3,043.38	2,852.54	190.84	15.947		
14,384.46	7,630.00	13,405.79	7,590.22	98.22	99.68	89.46	-4,322.40	-491.96	3,043.22	2,849.59	193.62	15.717		
14,400.00	7,630.00	13,417.12	7,590.30	98.46	99.87	89.46	-4,333.73	-492.00	3,043.23	2,849.20	194.03	15.685		
14,500.00	7,630.00	13,464.00	7,590.58	100.03	100.67	89.47	-4,380.60	-492.36	3,043.97	2,848.07	195.89	15.539		
14,600.00	7,630.00	13,530.28	7,590.73	101.61	101.78	89.47	-4,446.86	-493.81	3,046.01	2,847.76	198.25	15.364		
14,700.00	7,630.00	13,612.25	7,590.36	103.20	103.16	89.46	-4,528.77	-497.03	3,049.55	2,848.51	201.04	15.169		
14,800.00	7,630.00	13,776.89	7,589.33	104.78	105.94	89.44	-4,693.34	-501.82	3,052.17	2,845.99	206.18	14.804		
14,900.00	7,630.00	13,903.46	7,589.23	106.38	108.09	89.44	-4,819.89	-503.44	3,053.09	2,842.85	210.24	14.522		
15,000.00	7,630.00	14,048.18	7,590.69	107.98	110.56	89.47	-4,964.60	-503.09	3,052.31	2,837.51	214.80	14.210		
15,086.93	7,630.00	14,105.47	7,591.63	109.37	111.54	89.49	-5,021.88	-502.98	3,051.88	2,834.95	216.93	14.069		
15,100.00	7,630.00	14,111.84	7,591.75	109.58	111.65	89.49	-5,028.25	-503.02	3,051.91	2,834.72	217.18	14.052		
15,200.00	7,630.00	14,176.00	7,593.23	111.19	112.75	89.52	-5,092.38	-504.16	3,053.14	2,833.59	219.55	13.906		
15,300.00	7,630.00	14,232.53	7,594.76	112.81	113.71	89.55	-5,148.86	-505.89	3,055.63	2,833.97	221.67	13.785		
15,400.00	7,630.00	14,329.09	7,597.39	114.42	115.35	89.60	-5,245.33	-509.20	3,058.69	2,833.76	224.93	13.598		
15,500.00	7,630.00	14,426.48	7,600.12	116.05	117.01	89.65	-5,342.62	-512.50	3,061.73	2,833.50	228.23	13.415		
15,600.00	7,630.00	14,630.06	7,603.62	117.67	120.49	89.71	-5,546.14	-515.38	3,062.44	2,827.89	234.55	13.057		
15,608.20	7,630.00	14,640.43	7,603.71	117.81	120.67	89.71	-5,556.51	-515.38	3,062.41	2,827.53	234.88	13.038		
15,700.00	7,630.00	14,691.57	7,604.19	119.30	121.55	89.72	-5,607.65	-515.88	3,062.86	2,826.00	236.86	12.931		
15,800.00	7,630.00	14,867.56	7,606.00	120.93	124.57	89.76	-5,783.62	-516.25	3,062.83	2,820.49	242.34	12.639		
15,900.00	7,630.00	14,986.03	7,606.90	122.57	126.62	89.77	-5,902.07	-514.44	3,060.95	2,814.72	246.23	12.431		
16,000.00	7,630.00	15,106.94	7,607.32	124.21	128.72	89.78	-6,022.95	-511.93	3,058.54	2,808.36	250.18	12.225		
16,100.00	7,630.00	15,188.04	7,607.42	125.85	130.12	89.78	-6,104.03	-509.90	3,055.77	2,802.67	253.10	12.073		
16,200.00	7,630.00	15,246.00	7,607.91	127.50	131.13	89.79	-6,161.98	-509.36	3,054.42	2,799.02	255.39	11.960		
16,297.01	7,630.00	15,318.92	7,608.88	129.10	132.39	89.81	-6,234.90	-509.48	3,054.18	2,796.15	258.04	11.836		
16,300.00	7,630.00	15,321.51	7,608.91	129.15	132.43	89.81	-6,237.48	-509.49	3,054.18	2,796.06	258.13	11.832		
16,400.00	7,630.00	15,436.58	7,610.62	130.80	134.42	89.84	-6,352.54	-509.70	3,054.04	2,792.08	261.97	11.658		
16,500.00	7,630.00	15,556.65	7,611.94	132.46	136.50	89.87	-6,472.60	-508.99	3,053.09	2,787.15	265.94	11.480		
16,600.00	7,630.00	15,653.81	7,612.46	134.11	138.18	89.88	-6,569.76	-508.24	3,051.98	2,782.69	269.29	11.334		
16,700.00	7,630.00	15,762.98	7,612.49	135.77	140.08	89.88	-6,678.92	-507.40	3,050.88	2,777.92	272.96	11.177		
16,800.00	7,630.00	15,885.02	7,611.98	137.43	142.20	89.87	-6,800.95	-505.77	3,049.22	2,772.24	276.98	11.009		
16,900.00	7,630.00	16,021.31	7,610.86	139.10	144.57	89.85	-6,937.20	-502.51	3,046.47	2,765.12	281.36	10.828		
17,000.00	7,630.00	16,088.21	7,610.09	140.77	145.74	89.83	-7,004.06	-500.72	3,043.56	2,759.63	283.93	10.719		
17,100.00	7,630.00	16,141.95	7,609.69	142.44	146.67	89.82	-7,057.80	-500.17	3,042.17	2,756.07	286.11	10.633		
17,200.00	7,630.00	16,228.39	7,609.12	144.11	148.17	89.81	-7,144.24	-500.09	3,041.75	2,752.59	289.16	10.519		
17,300.00	7,630.00	16,325.15	7,608.09	145.78	149.85	89.79	-7,241.00	-500.22	3,041.55	2,749.05	292.50	10.398		
17,312.93	7,630.00	16,335.01	7,608.01	146.00	150.02	89.79	-7,250.85	-500.25	3,041.54	2,748.69	292.86	10.386		
17,400.00	7,630.00	16,404.00	7,608.48	147.46	151.22	89.80	-7,319.84	-500.73	3,041.84	2,746.51	295.33	10.300		
17,500.00	7,630.00	16,487.64	7,610.60	149.13	152.67	89.84	-7,403.45	-501.78	3,042.75	2,744.45	298.30	10.200		
17,600.00	7,630.00	16,582.00	7,613.76	150.81	154.30	89.90	-7,497.74	-503.27	3,043.99	2,742.40	301.59	10.093		
17,700.00	7,630.00	16,685.92	7,617.61	152.49	156.10	89.97	-7,601.57	-504.91	3,045.22	2,740.06	305.16	9.979		
17,800.00	7,630.00	16,781.84	7,621.52	154.18	157.77	90.05	-7,697.41	-506.45	3,046.49	2,738.00	308.50	9.875		
17,900.00	7,630.00	16,887.90	7,626.09	155.86	159.61	90.13	-7,803.35	-508.18	3,047.79	2,735.66	312.14	9.764		
18,000.00	7,630.00	16,982.48	7,628.57	157.55	161.25	90.18	-7,897.89	-509.47	3,048.84	2,733.41	315.43	9.666		
18,100.00	7,630.00	17,062.69	7,629.72	159.24	162.64	90.20	-7,978.07	-511.09	3,050.52	2,732.24	318.28	9.584		
18,200.00	7,630.00	17,150.61	7,630.81	160.92	164.16	90.22	-8,065.96	-513.29	3,052.69	2,731.33	321.36	9.499		
18,300.00	7,630.00	17,237.96	7,631.57	162.62	165.67	90.24	-8,153.27	-515.79	3,055.23	2,730.81	324.42	9.418		

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



## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<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
<b>Survey Program:</b>		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	
18,400.00	7,630.00	17,326.01	7,631.93	164.31	167.19	90.24	-8,241.27	-518.76	3,058.25	2,730.77	327.49	9.339	
18,458.39	7,630.00	17,384.41	7,631.95	165.30	168.20	90.24	-8,299.63	-520.80	3,060.10	2,730.60	329.50	9.287 SF	



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	-52.39	786.52	-1,020.86	1,288.75					
100.00	100.00	88.53	88.53	0.13	0.14	-52.39	786.51	-1,020.88	1,288.72	1,288.45	0.28	4,649.255 CC		
200.00	200.00	188.00	188.00	0.49	0.30	-52.39	786.49	-1,020.97	1,288.78	1,287.98	0.80	1,618.942		
300.00	300.00	284.68	284.68	0.85	0.57	-52.40	786.51	-1,021.15	1,288.94	1,287.52	1.42	908.758		
400.00	400.00	379.42	379.42	1.21	0.90	-52.39	786.85	-1,021.53	1,289.48	1,287.37	2.11	610.200 ES		
500.00	500.00	474.15	474.14	1.57	1.24	-52.39	787.54	-1,022.14	1,290.43	1,287.62	2.81	459.558		
600.00	600.00	568.87	568.85	1.93	1.58	-52.37	788.58	-1,022.96	1,291.78	1,288.28	3.50	368.809		
700.00	700.00	669.69	669.66	2.29	1.93	-52.36	789.79	-1,023.98	1,293.33	1,289.11	4.22	306.538		
800.00	800.00	766.11	766.07	2.64	2.28	-52.34	791.05	-1,025.01	1,294.96	1,290.04	4.92	263.165		
900.00	900.00	877.43	877.32	3.00	2.67	-52.19	794.69	-1,024.24	1,296.43	1,290.76	5.67	228.699		
1,000.00	1,000.00	984.20	983.75	3.36	3.04	-51.82	801.63	-1,019.47	1,296.90	1,290.50	6.40	202.565		
1,100.00	1,100.00	1,079.76	1,078.89	3.72	3.39	-51.43	808.90	-1,014.42	1,297.48	1,290.38	7.10	182.637		
1,200.00	1,199.98	1,199.67	1,198.20	4.07	3.82	-102.05	818.47	-1,007.15	1,298.18	1,290.28	7.90	164.369		
1,300.00	1,299.84	1,296.50	1,294.57	4.43	4.18	-101.84	825.50	-1,000.84	1,298.78	1,290.17	8.61	150.832		
1,400.00	1,399.45	1,399.18	1,396.45	4.79	4.57	-101.65	834.79	-992.25	1,299.81	1,290.45	9.36	138.887		
1,500.00	1,498.70	1,495.73	1,492.11	5.15	4.95	-101.54	844.83	-983.74	1,302.05	1,291.95	10.10	128.879		
1,600.00	1,597.47	1,592.60	1,587.57	5.53	5.35	-101.41	857.16	-972.90	1,304.66	1,293.79	10.87	119.980		
1,700.00	1,695.62	1,670.37	1,664.11	5.93	5.67	-101.35	868.12	-964.53	1,309.17	1,297.58	11.59	112.945		
1,800.00	1,793.06	1,751.64	1,744.10	6.35	6.02	-101.39	880.37	-957.16	1,316.23	1,303.88	12.35	106.608		
1,900.00	1,889.64	1,857.57	1,848.17	6.79	6.48	-101.55	897.36	-947.02	1,324.27	1,311.02	13.25	99.977		
2,000.00	1,985.27	1,943.78	1,932.85	7.27	6.85	-101.76	911.17	-938.55	1,332.91	1,318.82	14.09	94.592		
2,100.00	2,079.82	2,029.32	2,016.96	7.79	7.23	-102.08	925.20	-931.86	1,344.05	1,329.08	14.97	89.789		
2,200.00	2,173.17	2,181.16	2,165.96	8.36	7.91	-102.95	950.20	-916.83	1,354.78	1,338.57	16.21	83.589		
2,300.00	2,265.21	2,253.99	2,237.37	8.97	8.24	-103.34	962.01	-908.78	1,365.17	1,348.04	17.13	79.708		
2,400.00	2,355.84	2,331.85	2,313.74	9.64	8.59	-103.83	975.06	-901.05	1,377.97	1,359.86	18.11	76.085		
2,500.00	2,444.94	2,406.21	2,386.71	10.36	8.93	-104.35	987.87	-894.71	1,393.38	1,374.27	19.12	72.887		
2,591.69	2,525.19	2,476.82	2,456.03	11.07	9.25	-104.89	1,000.38	-889.67	1,409.96	1,389.87	20.09	70.191		
2,600.00	2,532.40	2,483.48	2,462.57	11.14	9.28	-104.97	1,001.56	-889.24	1,411.56	1,391.38	20.18	69.955		
2,700.00	2,619.15	2,560.07	2,537.82	11.96	9.62	-105.96	1,015.08	-884.83	1,431.77	1,410.51	21.25	67.368		
2,800.00	2,705.89	2,657.25	2,633.35	12.81	10.06	-107.20	1,032.26	-880.10	1,453.36	1,430.91	22.45	64.734		
2,900.00	2,792.64	2,782.45	2,756.06	13.67	10.64	-108.66	1,055.42	-871.18	1,474.14	1,450.32	23.83	61.868		
3,000.00	2,879.39	2,925.61	2,896.54	14.55	11.30	-110.30	1,079.85	-858.41	1,493.58	1,468.29	25.29	59.050		
3,100.00	2,966.14	3,022.19	2,991.51	15.44	11.74	-111.41	1,093.96	-848.03	1,510.70	1,484.20	26.50	57.002		
3,200.00	3,052.88	3,164.10	3,131.13	16.34	12.38	-113.05	1,112.96	-831.36	1,526.91	1,499.00	27.91	54.703		
3,300.00	3,139.63	3,246.15	3,211.99	17.25	12.74	-114.00	1,122.91	-821.64	1,543.22	1,514.19	29.03	53.152		
3,400.00	3,226.38	3,352.29	3,316.59	18.17	13.21	-115.22	1,135.58	-808.79	1,559.84	1,529.59	30.25	51.561		
3,500.00	3,313.12	3,437.76	3,400.57	19.09	13.60	-116.12	1,146.93	-797.67	1,576.76	1,545.38	31.38	50.248		
3,600.00	3,399.87	3,515.85	3,477.51	20.02	13.95	-116.97	1,156.79	-788.72	1,595.28	1,562.83	32.46	49.150		
3,700.00	3,486.62	3,602.58	3,562.78	20.96	14.35	-117.86	1,169.05	-778.68	1,614.76	1,581.19	33.57	48.103		
3,800.00	3,573.37	3,682.55	3,641.67	21.90	14.71	-118.70	1,179.39	-770.57	1,635.55	1,600.92	34.63	47.234		
3,900.00	3,660.11	3,794.26	3,751.65	22.84	15.21	-119.81	1,194.87	-758.66	1,656.69	1,620.84	35.84	46.221		
4,000.00	3,746.86	3,881.45	3,837.19	23.78	15.62	-120.60	1,208.11	-748.17	1,677.43	1,640.50	36.94	45.413		
4,100.00	3,833.61	3,944.16	3,898.96	24.73	15.90	-121.20	1,216.87	-741.92	1,700.05	1,662.17	37.87	44.887		
4,200.00	3,920.35	4,047.12	4,000.60	25.68	16.36	-122.19	1,230.65	-732.88	1,724.03	1,685.03	39.00	44.200		
4,300.00	4,007.10	4,136.44	4,088.52	26.63	16.76	-122.98	1,243.75	-724.22	1,747.89	1,707.82	40.07	43.623		
4,400.00	4,093.85	4,232.44	4,182.96	27.59	17.20	-123.80	1,258.27	-714.91	1,772.22	1,731.05	41.16	43.052		
4,500.00	4,180.60	4,327.35	4,276.20	28.55	17.65	-124.57	1,273.27	-705.44	1,796.78	1,754.53	42.26	42.521		
4,600.00	4,267.34	4,392.70	4,340.55	29.50	17.94	-125.11	1,283.05	-699.62	1,822.43	1,779.28	43.15	42.238		
4,700.00	4,354.09	4,514.08	4,460.16	30.46	18.49	-126.10	1,300.54	-688.84	1,848.32	1,803.97	44.36	41.671		
4,800.00	4,440.84	4,579.54	4,524.65	31.42	18.78	-126.61	1,310.18	-682.99	1,874.56	1,829.33	45.23	41.449		
4,900.00	4,527.58	4,709.16	4,652.56	32.39	19.36	-127.65	1,327.75	-671.53	1,901.00	1,854.55	46.45	40.924		
5,000.00	4,614.33	4,799.26	4,741.17	33.35	19.77	-128.31	1,341.07	-662.13	1,926.48	1,879.03	47.46	40.596		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,701.08	4,899.44	4,839.95	34.31	20.23	-129.06	1,355.06	-653.00	1,953.36	1,904.85	48.50	40.272		
5,200.00	4,787.82	5,015.01	4,953.27	35.28	20.77	-129.82	1,373.30	-639.59	1,978.26	1,928.59	49.67	39.832		
5,300.00	4,874.57	5,082.94	5,019.98	36.25	21.09	-130.27	1,383.77	-632.21	2,004.18	1,953.66	50.53	39.666		
5,400.00	4,961.32	5,187.02	5,122.49	37.21	21.57	-130.97	1,398.71	-622.13	2,031.35	1,979.76	51.58	39.380		
5,500.00	5,048.07	5,267.42	5,201.50	38.18	21.93	-131.48	1,410.84	-613.63	2,057.98	2,005.49	52.50	39.203		
5,600.00	5,134.81	5,426.91	5,358.30	39.15	22.67	-132.50	1,433.50	-595.40	2,083.86	2,030.01	53.85	38.694		
5,700.00	5,221.56	5,494.63	5,424.78	40.12	22.99	-132.91	1,443.27	-586.96	2,109.08	2,054.39	54.69	38.566		
5,800.00	5,308.31	5,550.64	5,479.95	41.09	23.25	-133.27	1,450.82	-580.95	2,136.02	2,080.60	55.42	38.541		
5,900.00	5,395.05	5,660.95	5,588.68	42.06	23.74	-133.95	1,465.79	-570.01	2,164.00	2,107.53	56.47	38.324		
6,000.00	5,481.80	5,715.66	5,642.63	43.03	23.99	-134.28	1,473.23	-564.76	2,192.39	2,135.22	57.17	38.352		
6,100.00	5,568.55	5,802.77	5,728.79	44.00	24.36	-134.83	1,483.81	-557.57	2,222.19	2,164.16	58.03	38.292		
6,200.00	5,655.30	5,921.33	5,845.59	44.97	24.90	-135.49	1,500.94	-546.72	2,251.50	2,192.36	59.13	38.074		
6,300.00	5,742.04	5,976.53	5,899.72	45.94	25.16	-135.75	1,510.49	-541.75	2,281.21	2,221.37	59.84	38.119		
6,400.00	5,828.79	6,400.00	6,000.09	46.92	27.11	-136.26	1,526.80	-533.43	2,311.83	2,249.54	62.29	37.113		
6,500.00	5,915.54	6,157.21	6,077.45	47.89	25.99	-136.64	1,539.19	-526.54	2,342.09	2,280.39	61.70	37.958		
6,600.00	6,002.28	6,249.62	6,168.68	48.86	26.40	-137.12	1,552.32	-519.91	2,373.85	2,311.23	62.61	37.912		
6,700.00	6,089.03	6,346.86	6,264.60	49.83	26.83	-137.60	1,566.19	-512.01	2,404.88	2,341.33	63.55	37.842		
6,800.00	6,175.78	6,469.47	6,385.76	50.81	27.36	-138.24	1,581.95	-501.76	2,435.89	2,371.26	64.63	37.692		
6,900.00	6,262.53	6,631.97	6,545.64	51.78	28.11	-138.99	1,605.72	-485.02	2,465.34	2,399.35	65.98	37.363		
7,000.00	6,349.27	6,683.75	6,596.52	52.76	28.36	-139.22	1,613.38	-479.25	2,493.98	2,427.34	66.64	37.425		
7,100.00	6,436.02	6,724.00	6,636.04	53.73	28.54	-139.38	1,619.94	-475.44	2,524.45	2,457.25	67.20	37.566		
7,200.00	6,522.77	6,782.41	6,693.52	54.71	28.81	-139.62	1,629.29	-470.92	2,556.60	2,488.73	67.87	37.671		
7,300.00	6,609.51	6,944.59	6,853.38	55.68	29.54	-140.30	1,653.49	-458.35	2,588.97	2,519.71	69.26	37.379		
7,400.00	6,696.26	6,992.00	6,899.96	56.66	29.76	-140.48	1,661.07	-453.91	2,620.09	2,550.24	69.85	37.508		
7,500.00	6,783.01	7,438.00	7,334.75	57.63	31.49	-143.34	1,674.21	-382.40	2,639.80	2,568.07	71.73	36.802		
7,600.00	6,869.76	7,438.00	7,334.75	58.61	31.49	-143.34	1,674.21	-382.40	2,662.06	2,589.86	72.20	36.870		
7,683.49	6,942.18	7,474.98	7,369.55	59.42	31.53	-143.80	1,663.99	-375.27	2,682.40	2,609.97	72.43	37.036		
7,700.00	6,956.57	7,478.44	7,372.80	59.58	31.54	-146.73	1,662.93	-374.67	2,686.71	2,614.23	72.48	37.069		
7,750.00	7,000.85	7,489.16	7,382.81	60.04	31.55	-156.63	1,659.56	-372.89	2,700.25	2,627.63	72.62	37.184		
7,800.00	7,045.94	7,527.00	7,417.87	60.46	31.60	-168.30	1,646.38	-367.55	2,714.91	2,642.25	72.66	37.366		
7,850.00	7,091.49	7,527.00	7,417.87	60.84	31.60	179.32	1,646.38	-367.55	2,729.19	2,656.40	72.79	37.494		
7,900.00	7,137.15	7,527.00	7,417.87	61.17	31.60	166.59	1,646.38	-367.55	2,744.00	2,671.10	72.90	37.642		
7,950.00	7,182.58	7,527.00	7,417.87	61.44	31.60	154.42	1,646.38	-367.55	2,759.20	2,686.22	72.98	37.807		
8,000.00	7,227.43	7,527.00	7,417.87	61.67	31.60	143.45	1,646.38	-367.55	2,774.68	2,701.64	73.04	37.987		
8,050.00	7,271.36	7,527.00	7,417.87	61.84	31.60	133.98	1,646.38	-367.55	2,790.32	2,717.24	73.09	38.179		
8,100.00	7,314.04	7,563.12	7,450.77	61.96	31.60	125.98	1,631.92	-364.00	2,804.89	2,731.86	73.03	38.407		
8,150.00	7,355.14	7,573.03	7,459.68	62.04	31.60	119.30	1,627.63	-363.32	2,819.79	2,746.75	73.03	38.609		
8,200.00	7,394.34	7,616.00	7,497.58	62.07	31.61	113.80	1,607.47	-361.85	2,835.27	2,762.33	72.94	38.873		
8,250.00	7,431.36	7,616.00	7,497.58	62.06	31.61	109.10	1,607.47	-361.85	2,848.90	2,775.93	72.97	39.042		
8,300.00	7,465.90	7,616.00	7,497.58	62.01	31.61	105.09	1,607.47	-361.85	2,862.14	2,789.14	73.00	39.205		
8,350.00	7,497.71	7,616.00	7,497.58	61.93	31.61	101.66	1,607.47	-361.85	2,874.90	2,801.86	73.04	39.360		
8,400.00	7,526.53	7,616.00	7,497.58	61.81	31.61	98.72	1,607.47	-361.85	2,887.10	2,814.02	73.09	39.502		
8,450.00	7,552.17	7,648.61	7,525.58	61.66	31.59	96.52	1,590.77	-361.84	2,898.28	2,825.23	73.05	39.677		
8,500.00	7,574.41	7,669.40	7,543.16	61.48	31.57	94.64	1,579.65	-362.03	2,908.48	2,835.42	73.06	39.812		
8,550.00	7,593.09	7,705.00	7,572.68	61.29	31.55	93.30	1,559.78	-362.71	2,917.70	2,844.68	73.03	39.954		
8,600.00	7,608.07	7,744.99	7,605.01	61.07	31.51	92.37	1,536.26	-363.53	2,925.63	2,852.65	72.98	40.088		
8,650.00	7,619.23	7,891.61	7,714.84	60.84	31.35	93.04	1,439.36	-363.42	2,931.22	2,858.85	72.37	40.503		
8,700.00	7,626.48	7,941.88	7,748.48	60.60	31.28	92.96	1,402.02	-362.66	2,934.77	2,862.55	72.23	40.632		
8,750.00	7,629.78	8,750.00	7,771.42	60.35	30.42	93.03	1,373.99	-362.06	2,936.89	2,865.20	71.69	40.968		
8,766.45	7,630.00	7,973.00	7,768.05	60.27	31.23	92.91	1,377.84	-362.14	2,937.39	2,865.12	72.28	40.641		
8,800.00	7,630.00	8,000.34	7,784.44	60.10	31.18	93.23	1,355.96	-361.85	2,938.26	2,866.03	72.23	40.680		
8,900.00	7,630.00	8,039.90	7,806.73	59.61	31.12	93.66	1,323.29	-362.05	2,942.62	2,870.25	72.37	40.662		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
9,000.00	7,630.00	8,209.71	7,883.15	59.15	30.81	95.15	1,172.00	-363.05	2,946.60	2,874.99	71.61	41.149		
9,100.00	7,630.00	8,444.43	7,935.96	58.71	30.45	96.17	944.24	-361.82	2,947.81	2,877.18	70.63	41.738		
9,153.57	7,630.00	8,480.64	7,937.92	58.49	30.42	96.21	908.09	-361.62	2,947.65	2,876.95	70.70	41.695		
9,200.00	7,630.00	8,515.45	7,938.77	58.30	30.39	96.23	873.28	-361.74	2,947.76	2,877.03	70.73	41.673		
9,300.00	7,630.00	8,631.51	7,941.40	57.91	30.48	96.28	757.26	-362.02	2,947.93	2,877.12	70.81	41.632		
9,377.85	7,630.00	8,704.99	7,943.31	57.62	30.69	96.32	683.81	-361.83	2,947.70	2,876.65	71.05	41.488		
9,400.00	7,630.00	8,717.60	7,943.63	57.54	30.74	96.32	671.20	-361.86	2,947.73	2,876.60	71.14	41.437		
9,500.00	7,630.00	8,775.84	7,945.12	57.19	31.00	96.35	612.98	-362.52	2,948.79	2,877.20	71.59	41.192		
9,600.00	7,630.00	8,971.07	7,951.35	56.87	32.20	96.47	417.86	-362.50	2,948.69	2,876.33	72.37	40.747		
9,700.00	7,630.00	9,065.24	7,952.11	56.57	32.90	96.49	323.71	-361.50	2,947.39	2,874.18	73.21	40.260		
9,800.00	7,630.00	9,159.69	7,951.88	56.30	33.67	96.49	229.27	-360.50	2,945.99	2,871.80	74.18	39.713		
9,900.00	7,630.00	9,246.75	7,953.27	56.05	34.43	96.52	142.22	-360.17	2,945.41	2,870.16	75.25	39.143		
10,000.00	7,630.00	9,341.63	7,955.38	55.82	35.32	96.56	47.37	-359.05	2,944.19	2,867.70	76.49	38.492		
10,025.40	7,630.00	9,352.76	7,955.60	55.77	35.43	96.57	36.24	-359.03	2,944.13	2,867.41	76.72	38.373		
10,100.00	7,630.00	9,398.00	7,956.41	55.63	35.87	96.58	-8.99	-359.54	2,944.72	2,867.22	77.50	37.997		
10,200.00	7,630.00	9,528.82	7,958.69	55.46	37.21	96.62	-139.78	-360.99	2,945.84	2,866.55	79.29	37.152		
10,300.00	7,630.00	9,703.80	7,963.32	55.32	39.16	96.72	-314.67	-358.59	2,944.40	2,862.58	81.81	35.989		
10,400.00	7,630.00	9,783.05	7,965.16	55.22	40.09	96.76	-393.87	-356.45	2,941.76	2,858.38	83.38	35.279		
10,500.00	7,630.00	9,843.00	7,967.16	55.15	40.80	96.80	-453.79	-356.07	2,940.93	2,856.17	84.76	34.699		
10,515.42	7,630.00	9,843.00	7,967.16	55.14	40.80	96.80	-453.79	-356.07	2,940.89	2,856.04	84.85	34.661		
10,600.00	7,630.00	9,909.23	7,969.81	55.14	41.61	96.85	-519.96	-356.42	2,941.40	2,855.14	86.26	34.100		
10,700.00	7,630.00	10,017.02	7,972.86	55.18	42.96	96.91	-627.71	-356.97	2,941.90	2,853.49	88.41	33.274		
10,800.00	7,630.00	10,158.70	7,973.74	55.28	44.79	96.93	-769.38	-356.14	2,940.86	2,849.65	91.21	32.243		
10,900.00	7,630.00	10,272.15	7,971.48	55.47	46.29	96.89	-882.80	-355.68	2,939.92	2,846.26	93.66	31.388		
11,000.00	7,630.00	10,407.00	7,967.52	55.74	48.14	96.82	-1,017.57	-353.19	2,937.26	2,840.67	96.59	30.409		
11,100.00	7,630.00	10,467.00	7,965.72	56.11	48.98	96.78	-1,077.53	-352.36	2,935.21	2,836.94	98.27	29.868		
11,200.00	7,630.00	10,534.02	7,964.40	56.60	49.92	96.76	-1,144.53	-352.18	2,934.40	2,834.30	100.10	29.314		
11,217.52	7,630.00	10,545.39	7,964.29	56.69	50.08	96.76	-1,155.90	-352.22	2,934.39	2,833.97	100.42	29.221		
11,300.00	7,630.00	10,601.53	7,964.26	57.20	50.87	96.76	-1,212.04	-352.67	2,934.76	2,832.80	101.96	28.783		
11,400.00	7,630.00	10,730.71	7,967.42	57.91	52.72	96.82	-1,341.17	-353.91	2,935.81	2,830.73	105.09	27.937		
11,500.00	7,630.00	10,865.95	7,972.28	58.72	54.71	96.91	-1,476.32	-352.83	2,935.12	2,826.69	108.43	27.068		
11,600.00	7,630.00	10,988.13	7,975.01	59.63	56.53	96.97	-1,598.45	-350.85	2,933.44	2,821.86	111.58	26.289		
11,700.00	7,630.00	11,080.51	7,974.04	60.61	57.92	96.96	-1,690.81	-349.35	2,931.38	2,817.24	114.15	25.681		
11,800.00	7,630.00	11,187.11	7,970.55	61.67	59.54	96.89	-1,797.34	-348.27	2,929.66	2,812.61	117.05	25.030		
11,900.00	7,630.00	11,304.06	7,966.86	62.78	61.34	96.83	-1,914.22	-346.38	2,927.34	2,807.12	120.22	24.350		
12,000.00	7,630.00	11,389.18	7,964.65	63.95	62.66	96.79	-1,999.30	-344.98	2,925.05	2,802.32	122.73	23.833		
12,100.00	7,630.00	11,469.00	7,962.95	65.16	63.90	96.76	-2,079.10	-344.01	2,923.28	2,798.13	125.15	23.359		
12,200.00	7,630.00	11,547.79	7,961.47	66.41	65.13	96.73	-2,157.87	-343.59	2,922.21	2,794.66	127.55	22.910		
12,273.98	7,630.00	11,602.32	7,960.53	67.35	65.98	96.71	-2,212.39	-343.70	2,921.95	2,792.71	129.25	22.607		
12,300.00	7,630.00	11,621.35	7,960.23	67.68	66.28	96.71	-2,231.42	-343.82	2,921.99	2,792.14	129.84	22.504		
12,400.00	7,630.00	11,691.06	7,959.30	68.99	67.37	96.69	-2,301.12	-344.68	2,922.72	2,790.68	132.04	22.134		
12,500.00	7,630.00	11,758.73	7,958.67	70.33	68.43	96.67	-2,368.76	-346.22	2,924.55	2,790.35	134.20	21.793		
12,600.00	7,630.00	11,826.27	7,957.97	71.68	69.49	96.65	-2,436.27	-348.53	2,927.49	2,791.15	136.34	21.472		
12,700.00	7,630.00	11,916.87	7,956.97	73.06	70.91	96.63	-2,526.78	-352.28	2,931.14	2,792.06	139.08	21.075		
12,800.00	7,630.00	11,999.26	7,956.24	74.45	72.21	96.60	-2,609.08	-356.05	2,935.25	2,793.63	141.62	20.727		
12,900.00	7,630.00	12,107.89	7,956.13	75.87	73.92	96.59	-2,717.59	-361.17	2,939.59	2,794.73	144.86	20.292		
13,000.00	7,630.00	12,232.70	7,957.21	77.29	75.91	96.60	-2,842.31	-365.89	2,943.07	2,794.50	148.57	19.810		
13,100.00	7,630.00	12,364.06	7,958.58	78.74	78.03	96.62	-2,973.60	-369.98	2,946.00	2,793.53	152.47	19.322		
13,200.00	7,630.00	12,438.96	7,959.07	80.19	79.23	96.63	-3,048.46	-372.19	2,948.66	2,793.76	154.90	19.036		
13,300.00	7,630.00	12,510.46	7,959.12	81.66	80.39	96.62	-3,119.90	-374.95	2,952.18	2,794.94	157.24	18.776		
13,400.00	7,630.00	12,607.04	7,959.59	83.14	81.95	96.62	-3,216.38	-379.35	2,956.42	2,796.16	160.26	18.448		
13,500.00	7,630.00	12,711.04	7,960.52	84.63	83.63	96.63	-3,320.28	-383.81	2,960.44	2,796.94	163.50	18.107		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
13,600.00	7,630.00	12,817.25	7,961.12	86.14	85.36	96.63	-3,426.40	-388.26	2,964.34	2,797.52	166.82	17.770		
13,700.00	7,630.00	13,700.00	7,958.85	87.65	99.96	96.58	-3,636.21	-394.38	2,967.34	2,783.25	184.09	16.119		
13,800.00	7,630.00	13,335.33	7,947.00	89.17	93.98	96.37	-3,943.87	-384.43	2,962.23	2,780.80	181.43	16.327		
13,900.00	7,630.00	13,484.13	7,943.83	90.70	96.52	96.34	-4,092.26	-373.71	2,954.52	2,768.68	185.83	15.899		
14,000.00	7,630.00	13,693.77	7,944.72	92.24	100.11	96.40	-4,300.69	-351.65	2,943.45	2,751.88	191.56	15.365		
14,100.00	7,630.00	13,766.33	7,945.85	93.78	101.37	96.44	-4,372.73	-343.10	2,931.58	2,737.29	194.28	15.089		
14,200.00	7,630.00	13,828.17	7,946.76	95.33	102.43	96.48	-4,434.21	-336.46	2,920.76	2,724.02	196.75	14.845		
14,300.00	7,630.00	13,875.00	7,947.50	96.89	103.24	96.50	-4,480.82	-332.02	2,911.38	2,712.54	198.84	14.642		
14,400.00	7,630.00	13,938.47	7,948.45	98.46	104.33	96.53	-4,544.09	-327.00	2,903.47	2,702.19	201.28	14.425		
14,500.00	7,630.00	13,991.88	7,949.12	100.03	105.25	96.55	-4,597.39	-323.72	2,897.18	2,693.75	203.44	14.241		
14,600.00	7,630.00	14,053.00	7,950.00	101.61	106.29	96.58	-4,658.44	-321.01	2,892.51	2,686.76	205.76	14.058		
14,700.00	7,630.00	14,095.72	7,950.61	103.20	107.02	96.59	-4,701.15	-319.83	2,889.46	2,681.92	207.54	13.922		
14,800.00	7,630.00	14,142.00	7,951.15	104.78	107.81	96.60	-4,747.41	-319.29	2,888.17	2,678.81	209.35	13.796		
14,835.69	7,630.00	14,161.70	7,951.34	105.35	108.14	96.61	-4,767.11	-319.31	2,888.13	2,678.06	210.08	13.748		
14,900.00	7,630.00	14,191.56	7,951.54	106.38	108.65	96.61	-4,796.97	-319.64	2,888.67	2,677.48	211.20	13.678		
15,000.00	7,630.00	14,244.12	7,951.68	107.98	109.53	96.61	-4,849.51	-321.08	2,891.02	2,677.95	213.07	13.568		
15,100.00	7,630.00	14,337.72	7,951.69	109.58	111.10	96.60	-4,943.05	-324.50	2,894.31	2,678.13	216.18	13.389		
15,200.00	7,630.00	14,543.80	7,952.04	111.19	114.59	96.60	-5,149.06	-328.62	2,896.19	2,673.56	222.64	13.009		
15,300.00	7,630.00	14,652.70	7,954.12	112.81	116.44	96.65	-5,257.94	-327.87	2,895.37	2,669.15	226.23	12.799		
15,379.64	7,630.00	14,712.90	7,955.45	114.10	117.47	96.67	-5,318.13	-327.67	2,895.07	2,666.74	228.32	12.680		
15,400.00	7,630.00	14,727.13	7,955.75	114.42	117.72	96.68	-5,332.35	-327.70	2,895.09	2,666.26	228.83	12.652		
15,500.00	7,630.00	14,797.45	7,957.05	116.05	118.91	96.70	-5,402.66	-328.30	2,895.82	2,664.53	231.29	12.520		
15,600.00	7,630.00	14,867.90	7,957.89	117.67	120.11	96.72	-5,473.09	-329.67	2,897.56	2,663.83	233.73	12.397		
15,700.00	7,630.00	14,944.00	7,958.19	119.30	121.40	96.72	-5,549.15	-332.08	2,900.37	2,664.05	236.33	12.273		
15,800.00	7,630.00	15,023.58	7,958.35	120.93	122.75	96.72	-5,628.67	-335.23	2,903.95	2,664.94	239.02	12.150		
15,900.00	7,630.00	15,172.13	7,961.37	122.57	125.27	96.77	-5,777.11	-339.56	2,906.68	2,662.80	243.88	11.919		
16,000.00	7,630.00	15,284.18	7,965.92	124.21	127.18	96.85	-5,889.06	-341.56	2,908.60	2,661.01	247.59	11.747		
16,100.00	7,630.00	15,398.83	7,969.90	125.85	129.15	96.93	-6,003.62	-343.14	2,910.05	2,658.66	251.39	11.576		
16,200.00	7,630.00	15,485.79	7,972.53	127.50	130.64	96.98	-6,090.53	-344.43	2,911.55	2,657.19	254.36	11.447		
16,300.00	7,630.00	15,609.65	7,976.63	129.15	132.76	97.05	-6,214.31	-345.92	2,912.82	2,654.38	258.44	11.271		
16,400.00	7,630.00	15,713.52	7,979.74	130.80	134.55	97.11	-6,318.14	-346.52	2,913.42	2,651.50	261.92	11.123		
16,500.00	7,630.00	15,815.80	7,983.27	132.46	136.31	97.18	-6,420.35	-347.18	2,914.16	2,648.80	265.36	10.982		
16,600.00	7,630.00	15,897.22	7,986.10	134.11	137.71	97.24	-6,501.72	-347.78	2,915.02	2,646.85	268.17	10.870		
16,700.00	7,630.00	15,977.21	7,988.60	135.77	139.08	97.28	-6,581.66	-349.05	2,916.65	2,645.72	270.93	10.766		
16,800.00	7,630.00	16,060.07	7,991.35	137.43	140.50	97.33	-6,664.46	-350.85	2,918.89	2,645.13	273.76	10.662		
16,900.00	7,630.00	16,140.45	7,994.06	139.10	141.88	97.38	-6,744.76	-353.07	2,921.74	2,645.24	276.50	10.567		
17,000.00	7,630.00	16,213.76	7,996.37	140.77	143.14	97.42	-6,817.99	-355.68	2,925.35	2,646.35	279.00	10.485		
17,100.00	7,630.00	16,280.00	7,998.20	142.44	144.27	97.45	-6,884.13	-358.81	2,930.06	2,648.82	281.24	10.418		
17,200.00	7,630.00	16,376.19	8,000.95	144.11	145.90	97.49	-6,980.14	-363.96	2,935.41	2,650.93	284.47	10.319		
17,300.00	7,630.00	16,458.86	8,002.93	145.78	147.31	97.51	-7,062.65	-368.74	2,941.11	2,653.86	287.25	10.239		
17,400.00	7,630.00	16,556.03	8,004.52	147.46	148.96	97.53	-7,159.62	-374.76	2,947.14	2,656.62	290.52	10.144		
17,500.00	7,630.00	16,656.52	8,006.10	149.13	150.67	97.55	-7,259.91	-380.98	2,953.15	2,659.23	293.92	10.048		
17,600.00	7,630.00	16,773.36	8,006.40	150.81	152.66	97.53	-7,376.50	-388.49	2,959.28	2,661.39	297.89	9.934		
17,700.00	7,630.00	17,028.06	8,001.90	152.49	157.03	97.43	-7,630.98	-397.01	2,961.87	2,655.59	306.28	9.671		
17,800.00	7,630.00	17,174.08	7,995.72	154.18	159.56	97.31	-7,776.87	-397.44	2,961.26	2,650.20	311.06	9.520		
17,900.00	7,630.00	17,339.50	7,989.56	155.86	162.44	97.20	-7,942.14	-394.95	2,959.03	2,642.74	316.29	9.355		
18,000.00	7,630.00	17,528.45	7,993.77	157.55	165.76	97.31	-8,130.74	-385.08	2,953.60	2,631.68	321.92	9.175		
18,100.00	7,630.00	17,639.73	7,998.43	159.24	167.72	97.42	-8,241.66	-377.35	2,946.90	2,621.31	325.60	9.051		
18,200.00	7,630.00	17,749.72	8,003.09	160.92	169.66	97.53	-8,351.25	-369.22	2,939.77	2,610.53	329.24	8.929		
18,300.00	7,630.00	17,796.00	8,005.06	162.62	170.48	97.57	-8,397.35	-365.74	2,933.02	2,601.61	331.41	8.850		
18,400.00	7,630.00	17,796.00	8,005.06	164.31	170.48	97.57	-8,397.35	-365.74	2,929.31	2,597.08	332.22	8.817		
18,458.39	7,630.00	17,796.00	8,005.06	165.30	170.48	97.57	-8,397.35	-365.74	2,928.71	2,596.18	332.53	8.807 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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
0.00	0.00	0.00	0.00	0.00	0.00	-52.12	786.52	-1,011.06	1,281.01					
100.00	100.00	87.77	87.77	0.13	0.15	-52.12	786.50	-1,011.09	1,280.96	1,280.68	0.28	4,567.851	CC	
200.00	200.00	187.51	187.51	0.49	0.31	-52.13	786.41	-1,011.19	1,280.99	1,280.19	0.80	1,591.664		
300.00	300.00	287.25	287.25	0.85	0.48	-52.14	786.26	-1,011.37	1,281.04	1,279.71	1.33	963.771		
400.00	400.00	385.00	385.00	1.21	0.76	-52.15	786.17	-1,011.59	1,281.16	1,279.19	1.97	649.559		
500.00	500.00	481.85	481.85	1.57	1.10	-52.14	786.51	-1,011.76	1,281.52	1,278.85	2.67	480.244		
600.00	600.00	578.70	578.70	1.93	1.44	-52.12	787.30	-1,011.89	1,282.12	1,278.76	3.36	381.071		
700.00	700.00	682.63	682.63	2.29	1.80	-52.10	788.02	-1,012.10	1,282.71	1,278.63	4.09	313.896		
800.00	800.00	784.46	784.38	2.64	2.16	-51.94	790.98	-1,010.25	1,283.07	1,278.27	4.80	267.252		
900.00	900.00	885.89	885.66	3.00	2.51	-51.69	795.51	-1,006.98	1,283.29	1,277.78	5.52	232.681		
1,000.00	1,000.00	987.52	987.01	3.36	2.88	-51.37	801.32	-1,002.54	1,283.43	1,277.19	6.24	205.736		
1,100.00	1,100.00	1,081.81	1,080.78	3.72	3.22	-50.92	809.23	-996.46	1,283.68	1,276.74	6.94	184.860		
1,200.00	1,199.98	1,223.77	1,221.74	4.07	3.76	-101.37	821.06	-984.66	1,282.85	1,275.02	7.83	163.764		
1,300.00	1,299.84	1,313.16	1,310.48	4.43	4.11	-101.13	827.66	-976.22	1,281.38	1,272.84	8.53	150.175		
1,315.44	1,315.24	1,324.54	1,321.77	4.48	4.15	-101.10	828.67	-975.14	1,281.34	1,272.71	8.63	148.430	ES	
1,400.00	1,399.45	1,388.95	1,385.49	4.79	4.41	-100.92	835.55	-968.88	1,282.30	1,273.11	9.19	139.495		
1,500.00	1,498.70	1,469.34	1,464.43	5.15	4.75	-100.60	847.60	-959.64	1,285.51	1,275.62	9.89	129.938		
1,600.00	1,597.47	1,545.55	1,538.77	5.53	5.08	-100.27	861.61	-950.39	1,291.09	1,280.49	10.60	121.776		
1,700.00	1,695.62	1,650.29	1,641.08	5.93	5.55	-100.02	880.64	-938.58	1,297.81	1,286.34	11.47	113.195		
1,800.00	1,793.06	1,731.30	1,720.56	6.35	5.91	-99.98	894.42	-931.14	1,305.96	1,293.73	12.23	106.753		
1,900.00	1,889.64	1,861.18	1,848.07	6.79	6.49	-100.22	916.04	-919.17	1,314.59	1,301.33	13.26	99.130		
2,000.00	1,985.27	1,958.73	1,943.97	7.27	6.93	-100.52	930.66	-908.98	1,321.80	1,307.63	14.17	93.282		
2,100.00	2,079.82	2,061.89	2,045.47	7.79	7.39	-101.01	946.32	-899.25	1,330.70	1,315.56	15.14	87.886		
2,200.00	2,173.17	2,201.76	2,182.92	8.36	8.02	-101.90	966.03	-882.56	1,337.64	1,321.32	16.33	81.927		
2,300.00	2,265.21	2,283.49	2,263.20	8.97	8.39	-102.46	977.48	-872.34	1,345.28	1,327.98	17.30	77.782		
2,400.00	2,355.84	2,362.85	2,341.14	9.64	8.76	-103.05	989.24	-863.17	1,355.22	1,336.93	18.30	74.073		
2,500.00	2,444.94	2,440.39	2,417.32	10.36	9.11	-103.69	1,001.27	-855.10	1,367.69	1,348.36	19.33	70.756		
2,591.69	2,525.19	2,519.04	2,494.68	11.07	9.47	-104.42	1,013.46	-847.82	1,381.16	1,360.81	20.35	67.881		
2,600.00	2,532.40	2,526.09	2,501.62	11.14	9.50	-104.52	1,014.54	-847.21	1,382.46	1,362.02	20.44	67.635		
2,700.00	2,619.15	2,609.90	2,584.20	11.96	9.87	-105.66	1,027.07	-840.42	1,398.89	1,377.33	21.56	64.870		
2,800.00	2,705.89	2,690.98	2,664.09	12.81	10.24	-106.73	1,039.59	-834.40	1,416.82	1,394.14	22.68	62.473		
2,900.00	2,792.64	2,793.41	2,764.71	13.67	10.71	-108.00	1,056.86	-826.12	1,435.58	1,411.66	23.93	60.001		
3,000.00	2,879.39	2,956.01	2,923.91	14.55	11.48	-109.85	1,084.73	-808.47	1,453.14	1,427.64	25.51	56.966		
3,100.00	2,966.14	3,051.86	3,017.59	15.44	11.94	-110.88	1,100.27	-795.47	1,468.21	1,441.46	26.75	54.889		
3,200.00	3,052.88	3,126.94	3,091.19	16.34	12.30	-111.72	1,111.82	-786.17	1,484.39	1,456.52	27.87	53.264		
3,300.00	3,139.63	3,268.15	3,229.72	17.25	12.96	-113.30	1,131.83	-767.56	1,499.78	1,470.48	29.30	51.188		
3,400.00	3,226.38	3,354.80	3,314.64	18.17	13.37	-114.24	1,143.74	-755.09	1,514.66	1,484.20	30.46	49.727		
3,500.00	3,313.12	3,428.74	3,387.44	19.09	13.71	-115.09	1,152.81	-745.94	1,531.20	1,499.66	31.53	48.556		
3,600.00	3,399.87	3,504.43	3,461.93	20.02	14.06	-115.92	1,163.03	-737.22	1,549.50	1,516.89	32.60	47.526		
3,700.00	3,486.62	3,585.54	3,541.59	20.96	14.43	-116.75	1,175.38	-728.23	1,569.28	1,535.58	33.70	46.568		
3,800.00	3,573.37	3,684.64	3,638.89	21.90	14.90	-117.75	1,190.66	-717.27	1,589.63	1,554.74	34.89	45.566		
3,900.00	3,660.11	3,786.00	3,738.23	22.84	15.38	-118.70	1,207.17	-705.83	1,610.51	1,574.42	36.09	44.628		
4,000.00	3,746.86	3,885.18	3,835.32	23.78	15.86	-119.61	1,223.05	-693.23	1,630.37	1,593.10	37.27	43.747		
4,100.00	3,833.61	3,947.00	3,896.03	24.73	16.15	-120.18	1,232.62	-686.50	1,652.12	1,613.90	38.22	43.231		
4,200.00	3,920.35	4,049.09	3,996.50	25.68	16.62	-121.15	1,247.79	-676.73	1,675.28	1,635.92	39.37	42.556		
4,300.00	4,007.10	4,137.23	4,083.21	26.63	17.03	-121.96	1,260.98	-667.88	1,698.43	1,658.00	40.43	42.009		
4,400.00	4,093.85	4,229.75	4,174.00	27.59	17.46	-122.74	1,276.02	-658.49	1,722.18	1,680.65	41.53	41.472		
4,500.00	4,180.60	4,306.61	4,249.46	28.55	17.82	-123.38	1,288.64	-651.07	1,746.74	1,704.23	42.51	41.086		
4,600.00	4,267.34	4,441.21	4,381.71	29.50	18.46	-124.49	1,309.72	-637.59	1,771.17	1,727.33	43.84	40.399		
4,700.00	4,354.09	4,557.83	4,495.45	30.46	19.04	-125.31	1,330.77	-622.88	1,793.95	1,748.86	45.09	39.782		
4,800.00	4,440.84	4,628.41	4,564.34	31.42	19.39	-125.80	1,343.27	-613.87	1,816.88	1,770.83	46.05	39.451		
4,900.00	4,527.58	4,692.51	4,627.09	32.39	19.70	-126.25	1,354.51	-607.16	1,841.96	1,795.01	46.95	39.236		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
5,000.00	4,614.33	4,834.81	4,766.51	33.35	20.38	-127.26	1,378.32	-591.63	1,866.88	1,818.57	48.31	38.642		
5,100.00	4,701.08	4,942.40	4,871.85	34.31	20.91	-128.01	1,395.39	-577.93	1,890.11	1,840.66	49.45	38.226		
5,200.00	4,787.82	5,010.32	4,938.33	35.28	21.24	-128.46	1,406.49	-569.58	1,914.09	1,863.75	50.34	38.025		
5,300.00	4,874.57	5,077.72	5,004.50	36.25	21.55	-128.93	1,417.08	-562.33	1,939.64	1,888.45	51.20	37.887		
5,400.00	4,961.32	5,178.69	5,104.04	37.21	22.01	-129.67	1,431.08	-552.83	1,966.47	1,914.25	52.22	37.656		
5,500.00	5,048.07	5,288.52	5,212.33	38.18	22.50	-130.48	1,445.17	-541.15	1,992.21	1,938.94	53.28	37.395		
5,600.00	5,134.81	5,412.42	5,334.36	39.15	23.07	-131.35	1,461.26	-526.96	2,017.56	1,963.16	54.40	37.084		
5,700.00	5,221.56	5,510.78	5,430.77	40.12	23.54	-131.97	1,475.81	-514.01	2,041.70	1,986.29	55.42	36.844		
5,800.00	5,308.31	5,570.29	5,489.25	41.09	23.82	-132.35	1,484.32	-507.00	2,067.32	2,011.14	56.18	36.796		
5,900.00	5,395.05	5,671.61	5,588.91	42.06	24.29	-132.99	1,498.69	-495.73	2,093.79	2,036.60	57.18	36.615		
6,000.00	5,481.80	5,776.95	5,692.50	43.03	24.78	-133.64	1,513.36	-483.49	2,119.96	2,061.76	58.20	36.426		
6,100.00	5,568.55	5,881.07	5,794.89	44.00	25.26	-134.27	1,527.58	-471.06	2,146.04	2,086.85	59.20	36.252		
6,200.00	5,655.30	5,955.26	5,867.74	44.97	25.61	-134.70	1,538.21	-461.94	2,172.12	2,112.10	60.02	36.191		
6,300.00	5,742.04	6,012.00	5,923.72	45.94	25.87	-135.05	1,545.51	-456.17	2,200.12	2,139.42	60.70	36.244		
6,400.00	5,828.79	6,101.79	6,012.41	46.92	26.26	-135.59	1,556.79	-447.89	2,229.29	2,167.73	61.57	36.208		
6,500.00	5,915.54	6,203.35	6,112.59	47.89	26.71	-136.18	1,570.31	-438.09	2,258.31	2,195.79	62.52	36.121		
6,600.00	6,002.28	6,308.21	6,215.99	48.86	27.18	-136.76	1,584.18	-427.57	2,287.14	2,223.65	63.49	36.026		
6,700.00	6,089.03	6,428.38	6,334.44	49.83	27.73	-137.42	1,599.79	-414.56	2,315.43	2,250.89	64.54	35.877		
6,800.00	6,175.78	6,556.13	6,460.07	50.81	28.32	-138.09	1,616.77	-398.87	2,342.45	2,276.82	65.63	35.692		
6,900.00	6,262.53	6,622.48	6,525.37	51.78	28.62	-138.44	1,625.19	-390.70	2,369.66	2,303.31	66.35	35.715		
7,000.00	6,349.27	6,701.10	6,602.96	52.76	28.97	-138.87	1,634.23	-381.79	2,397.94	2,330.83	67.11	35.731		
7,100.00	6,436.02	6,775.95	6,676.94	53.73	29.30	-139.29	1,642.25	-373.73	2,426.98	2,359.15	67.83	35.780		
7,200.00	6,522.77	6,850.70	6,752.16	54.71	29.67	-140.66	1,650.85	-365.02	2,457.22	2,388.32	68.90	35.516		
7,300.00	6,609.51	6,925.45	6,827.91	55.68	30.75	-143.31	1,614.28	-293.60	2,466.15	2,396.93	69.22	35.628		
7,400.00	6,696.26	7,000.20	6,903.66	56.66	30.81	-143.91	1,600.27	-285.94	2,489.27	2,419.78	69.49	35.821		
7,500.00	6,783.01	7,075.00	6,978.99	57.63	30.81	-143.91	1,600.27	-285.94	2,514.82	2,444.97	69.85	36.003		
7,600.00	6,869.76	7,150.00	7,054.24	58.61	30.81	-143.91	1,600.27	-285.94	2,544.04	2,473.92	70.11	36.284		
7,683.49	6,942.18	7,226.12	7,127.93	59.42	30.83	-144.45	1,586.85	-280.89	2,570.31	2,500.14	70.17	36.631		
7,700.00	6,956.57	7,299.78	7,181.01	59.58	30.83	-147.52	1,585.49	-280.47	2,575.79	2,505.60	70.19	36.700		
7,750.00	7,000.85	7,310.39	7,190.61	60.04	30.84	-157.85	1,581.17	-279.21	2,592.82	2,522.59	70.23	36.921		
7,800.00	7,045.94	7,350.00	7,226.12	60.46	30.86	-170.03	1,564.03	-275.43	2,610.94	2,540.77	70.16	37.212		
7,850.00	7,091.49	7,350.00	7,226.12	60.84	30.86	177.22	1,564.03	-275.43	2,628.49	2,558.29	70.20	37.441		
7,900.00	7,137.15	7,350.00	7,226.12	61.17	30.86	164.13	1,564.03	-275.43	2,646.42	2,576.20	70.22	37.686		
7,950.00	7,182.58	7,365.31	7,239.66	61.44	30.86	151.52	1,556.98	-274.26	2,664.51	2,594.33	70.18	37.965		
8,000.00	7,227.43	7,393.59	7,264.33	61.67	30.85	140.14	1,543.32	-272.18	2,682.26	2,612.16	70.09	38.267		
8,050.00	7,271.36	7,422.09	7,288.73	61.84	30.85	130.38	1,528.72	-270.18	2,699.46	2,629.47	69.99	38.568		
8,100.00	7,314.04	7,439.00	7,302.97	61.96	30.85	122.21	1,519.68	-269.05	2,716.02	2,646.09	69.92	38.842		
8,150.00	7,355.14	7,478.55	7,335.51	62.04	30.82	115.38	1,497.36	-266.53	2,731.68	2,661.92	69.76	39.156		
8,200.00	7,394.34	7,506.76	7,358.02	62.07	30.80	109.74	1,480.43	-264.87	2,746.47	2,676.82	69.64	39.436		
8,250.00	7,431.36	7,528.00	7,374.56	62.06	30.79	105.06	1,467.16	-263.70	2,760.23	2,690.68	69.55	39.685		
8,300.00	7,465.90	7,556.39	7,396.11	62.01	30.75	101.18	1,448.73	-262.30	2,772.91	2,703.48	69.43	39.936		
8,350.00	7,497.71	7,579.12	7,412.91	61.93	30.73	97.96	1,433.45	-261.35	2,784.49	2,715.14	69.35	40.151		
8,400.00	7,526.53	7,617.00	7,439.95	61.81	30.69	95.37	1,406.95	-260.12	2,794.97	2,725.77	69.20	40.390		
8,450.00	7,552.17	7,617.00	7,439.95	61.66	30.69	93.11	1,406.95	-260.12	2,804.04	2,734.78	69.26	40.484		
8,500.00	7,574.41	7,617.00	7,439.95	61.48	30.69	91.23	1,406.95	-260.12	2,812.20	2,742.85	69.35	40.553		
8,550.00	7,593.09	7,653.38	7,464.72	61.29	30.62	89.99	1,380.32	-259.58	2,818.69	2,749.43	69.26	40.699		
8,600.00	7,608.07	7,668.65	7,474.73	61.07	30.60	88.95	1,368.80	-259.60	2,824.17	2,754.86	69.30	40.750		
8,650.00	7,619.23	7,707.00	7,498.87	60.84	30.54	88.45	1,339.01	-260.30	2,828.66	2,759.43	69.24	40.856		
8,700.00	7,626.48	7,707.00	7,498.87	60.60	30.54	87.91	1,339.01	-260.30	2,831.36	2,761.94	69.42	40.786		
8,750.00	7,629.78	7,707.00	7,498.87	60.35	30.54	87.63	1,339.01	-260.30	2,833.01	2,763.38	69.63	40.686		
8,766.45	7,630.00	7,707.00	7,498.87	60.27	30.54	87.59	1,339.01	-260.30	2,833.32	2,763.62	69.71	40.647		
8,800.00	7,630.00	7,731.00	7,513.18	60.10	30.49	87.88	1,319.76	-261.15	2,833.81	2,764.10	69.71	40.650		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
8,900.00	7,630.00	7,767.02	7,533.45	59.61	30.42	88.29	1,290.04	-262.92	2,837.12	2,767.16	69.95	40.558		
9,000.00	7,630.00	7,974.00	7,621.91	59.15	29.98	90.08	1,103.85	-272.74	2,842.45	2,773.44	69.01	41.191		
9,100.00	7,630.00	8,150.98	7,661.16	58.71	29.63	90.87	931.48	-272.04	2,841.33	2,772.93	68.40	41.539		
9,200.00	7,630.00	8,261.83	7,673.08	58.30	29.46	91.11	821.32	-270.73	2,839.98	2,771.60	68.38	41.531		
9,300.00	7,630.00	8,378.58	7,678.19	57.91	29.49	91.22	704.69	-269.54	2,838.79	2,770.27	68.51	41.434		
9,400.00	7,630.00	8,534.49	7,680.73	57.54	30.29	91.27	548.89	-264.27	2,834.71	2,765.87	68.85	41.174		
9,500.00	7,630.00	8,597.00	7,681.48	57.19	30.71	91.28	486.41	-262.79	2,831.80	2,762.39	69.41	40.800		
9,600.00	7,630.00	8,661.67	7,682.00	56.87	31.18	91.30	421.75	-262.09	2,830.18	2,760.13	70.05	40.400		
9,692.06	7,630.00	8,714.16	7,682.32	56.60	31.58	91.30	369.26	-261.72	2,829.37	2,758.68	70.69	40.026		
9,700.00	7,630.00	8,717.46	7,682.34	56.57	31.61	91.30	365.96	-261.74	2,829.38	2,758.64	70.74	39.997		
9,800.00	7,630.00	8,775.00	7,682.58	56.30	32.06	91.31	308.43	-262.84	2,830.68	2,759.20	71.48	39.603		
9,900.00	7,630.00	8,824.02	7,682.89	56.05	32.47	91.31	259.44	-264.59	2,833.58	2,761.33	72.24	39.222		
10,000.00	7,630.00	8,909.00	7,684.19	55.82	33.20	91.34	174.55	-268.06	2,837.35	2,764.10	73.25	38.736		
10,100.00	7,630.00	8,999.31	7,686.39	55.63	34.02	91.38	84.35	-272.07	2,841.51	2,767.10	74.41	38.189		
10,200.00	7,630.00	9,176.63	7,690.42	55.46	35.79	91.46	-92.80	-278.06	2,844.71	2,768.24	76.47	37.201		
10,300.00	7,630.00	9,312.43	7,691.28	55.32	37.25	91.48	-228.59	-279.96	2,845.82	2,767.39	78.43	36.283		
10,400.00	7,630.00	9,418.85	7,689.87	55.22	38.47	91.45	-334.99	-280.65	2,846.10	2,765.86	80.25	35.467		
10,500.00	7,630.00	9,533.88	7,688.16	55.15	39.84	91.41	-450.01	-280.90	2,845.94	2,763.65	82.29	34.582		
10,600.00	7,630.00	9,632.96	7,685.99	55.14	41.07	91.37	-549.06	-280.82	2,845.47	2,761.23	84.25	33.776		
10,700.00	7,630.00	9,743.39	7,684.04	55.18	42.47	91.33	-659.47	-280.75	2,845.05	2,758.58	86.46	32.904		
10,800.00	7,630.00	9,869.77	7,684.12	55.28	44.13	91.33	-785.84	-279.62	2,843.80	2,754.74	89.07	31.929		
10,900.00	7,630.00	9,990.81	7,683.73	55.47	45.77	91.33	-906.87	-277.67	2,841.87	2,750.16	91.70	30.990		
11,000.00	7,630.00	11,000.00	7,682.05	55.74	59.89	91.29	-1,027.83	-274.50	2,838.84	2,732.00	106.83	26.572		
11,100.00	7,630.00	10,178.22	7,681.05	56.11	48.39	91.27	-1,094.20	-272.90	2,836.13	2,739.86	96.27	29.461		
11,200.00	7,630.00	10,274.42	7,680.45	56.60	49.76	91.26	-1,190.39	-271.66	2,834.48	2,735.79	98.69	28.721		
11,300.00	7,630.00	10,337.85	7,680.30	57.20	50.68	91.26	-1,253.81	-271.01	2,833.18	2,732.66	100.52	28.185		
11,334.23	7,630.00	10,356.92	7,680.49	57.42	50.95	91.26	-1,272.88	-271.02	2,833.09	2,731.99	101.11	28.021		
11,400.00	7,630.00	10,409.86	7,681.44	57.91	51.72	91.28	-1,325.82	-271.41	2,833.36	2,730.81	102.55	27.629		
11,500.00	7,630.00	10,516.41	7,683.19	58.72	53.28	91.32	-1,432.35	-271.99	2,833.59	2,728.27	105.32	26.904		
11,600.00	7,630.00	10,628.80	7,684.48	59.63	54.95	91.34	-1,544.72	-272.47	2,833.73	2,725.45	108.28	26.171		
11,700.00	7,630.00	10,737.93	7,684.40	60.61	56.59	91.34	-1,653.86	-272.39	2,833.31	2,722.10	111.21	25.477		
11,744.93	7,630.00	10,767.66	7,684.27	61.08	57.04	91.34	-1,683.58	-272.42	2,833.20	2,721.08	112.12	25.269		
11,800.00	7,630.00	10,805.38	7,684.52	61.67	57.61	91.35	-1,721.30	-272.66	2,833.37	2,720.10	113.27	25.015		
11,900.00	7,630.00	10,958.35	7,686.64	62.78	59.95	91.39	-1,874.25	-272.97	2,833.39	2,716.10	117.29	24.157		
12,000.00	7,630.00	12,000.00	7,687.27	63.95	76.22	91.40	-2,011.30	-270.34	2,831.02	2,695.85	135.16	20.945		
12,100.00	7,630.00	11,141.46	7,687.52	65.16	62.80	91.41	-2,057.33	-269.61	2,829.27	2,706.60	122.68	23.063		
12,131.45	7,630.00	11,154.26	7,687.64	65.55	63.00	91.41	-2,070.12	-269.61	2,829.17	2,706.01	123.16	22.972		
12,200.00	7,630.00	11,183.46	7,688.01	66.41	63.46	91.42	-2,099.32	-269.91	2,829.66	2,705.44	124.22	22.780		
12,300.00	7,630.00	11,272.08	7,688.84	67.68	64.84	91.43	-2,187.92	-271.61	2,831.26	2,704.39	126.88	22.315		
12,400.00	7,630.00	11,415.01	7,693.54	68.99	67.09	91.53	-2,330.75	-273.65	2,832.49	2,701.57	130.93	21.634		
12,500.00	7,630.00	11,567.92	7,698.38	70.33	69.54	91.63	-2,483.57	-272.87	2,831.69	2,696.41	135.27	20.933		
12,600.00	7,630.00	11,686.77	7,699.31	71.68	71.45	91.65	-2,602.40	-270.90	2,829.70	2,690.91	138.79	20.388		
12,700.00	7,630.00	11,755.03	7,698.76	73.06	72.56	91.64	-2,670.65	-269.80	2,827.82	2,686.75	141.07	20.045		
12,761.44	7,630.00	11,787.88	7,698.35	73.91	73.09	91.63	-2,703.49	-269.71	2,827.43	2,685.19	142.24	19.878		
12,800.00	7,630.00	11,804.00	7,698.13	74.45	73.35	91.62	-2,719.61	-269.80	2,827.52	2,684.67	142.85	19.794		
12,900.00	7,630.00	11,872.07	7,697.27	75.87	74.44	91.61	-2,787.67	-270.79	2,828.65	2,683.56	145.09	19.495		
13,000.00	7,630.00	11,957.67	7,696.11	77.29	75.82	91.58	-2,873.23	-273.01	2,830.84	2,683.04	147.80	19.153		
13,100.00	7,630.00	12,033.85	7,694.51	78.74	77.05	91.55	-2,949.36	-275.29	2,833.48	2,683.22	150.26	18.858		
13,200.00	7,630.00	12,132.43	7,694.10	80.19	78.65	91.54	-3,047.86	-279.06	2,836.95	2,683.61	153.34	18.501		
13,300.00	7,630.00	12,284.99	7,696.14	81.66	81.13	91.58	-3,200.36	-282.78	2,839.02	2,681.09	157.93	17.976		
13,400.00	7,630.00	12,369.27	7,695.74	83.14	82.51	91.57	-3,284.62	-284.28	2,840.48	2,679.81	160.67	17.679		
13,500.00	7,630.00	12,440.22	7,695.86	84.63	83.67	91.57	-3,355.54	-286.33	2,842.99	2,679.95	163.04	17.437		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
13,600.00	7,630.00	12,626.53	7,696.20	86.14	86.75	91.58	-3,541.79	-289.92	2,844.75	2,676.13	168.62	16.871		
13,700.00	7,630.00	12,755.96	7,698.43	87.65	88.90	91.62	-3,671.20	-289.52	2,844.16	2,671.51	172.65	16.473		
13,800.00	7,630.00	12,837.73	7,699.50	89.17	90.27	91.64	-3,752.95	-288.90	2,843.14	2,667.74	175.41	16.209		
13,839.82	7,630.00	12,864.74	7,700.38	89.78	90.72	91.66	-3,779.95	-288.89	2,843.03	2,666.68	176.36	16.121		
13,900.00	7,630.00	12,916.67	7,702.57	90.70	91.59	91.70	-3,831.84	-289.07	2,843.11	2,665.02	178.09	15.964		
14,000.00	7,630.00	13,028.34	7,707.54	92.24	93.46	91.80	-3,943.40	-289.52	2,843.33	2,661.63	181.70	15.649		
14,100.00	7,630.00	13,174.44	7,712.79	93.78	95.92	91.91	-4,089.39	-288.22	2,842.16	2,655.91	186.26	15.259		
14,200.00	7,630.00	13,279.71	7,715.48	95.33	97.70	91.97	-4,194.62	-286.52	2,840.31	2,650.61	189.70	14.973		
14,300.00	7,630.00	13,378.25	7,717.08	96.89	99.37	92.00	-4,293.12	-284.86	2,838.34	2,645.37	192.97	14.709		
14,400.00	7,630.00	13,512.42	7,719.23	98.46	101.65	92.05	-4,427.25	-282.22	2,836.18	2,638.98	197.21	14.382		
14,500.00	7,630.00	13,610.52	7,720.48	100.03	103.32	92.07	-4,525.30	-279.42	2,833.05	2,632.57	200.48	14.131		
14,600.00	7,630.00	13,697.00	7,721.41	101.61	104.80	92.09	-4,611.75	-277.16	2,830.15	2,626.70	203.45	13.911		
14,700.00	7,630.00	13,769.85	7,722.20	103.20	106.04	92.11	-4,684.59	-275.77	2,827.98	2,621.94	206.04	13.726		
14,800.00	7,630.00	13,837.69	7,723.02	104.78	107.20	92.13	-4,752.41	-275.25	2,826.92	2,618.45	208.47	13.561		
14,842.20	7,630.00	13,866.14	7,723.37	105.46	107.68	92.14	-4,780.86	-275.26	2,826.81	2,617.33	209.48	13.494		
14,900.00	7,630.00	13,907.01	7,723.90	106.38	108.37	92.15	-4,821.73	-275.51	2,826.99	2,616.08	210.92	13.403		
15,000.00	7,630.00	14,047.78	7,725.08	107.98	110.76	92.17	-4,962.48	-276.74	2,827.84	2,612.41	215.43	13.126		
15,100.00	7,630.00	14,241.02	7,720.96	109.58	114.07	92.09	-5,155.61	-272.28	2,824.90	2,603.57	221.34	12.763		
15,200.00	7,630.00	14,308.13	7,718.67	111.19	115.23	92.05	-5,222.65	-270.20	2,821.35	2,597.53	223.81	12.606		
15,300.00	7,630.00	14,381.24	7,716.24	112.81	116.48	92.00	-5,295.70	-268.72	2,818.86	2,592.44	226.43	12.449		
15,400.00	7,630.00	14,452.77	7,713.90	114.42	117.71	91.95	-5,367.19	-267.94	2,817.33	2,588.35	228.98	12.304		
15,492.19	7,630.00	14,516.50	7,711.82	115.92	118.80	91.91	-5,430.89	-267.89	2,816.85	2,585.60	231.25	12.181		
15,500.00	7,630.00	14,521.76	7,711.65	116.05	118.89	91.91	-5,436.14	-267.92	2,816.86	2,585.42	231.44	12.171		
15,600.00	7,630.00	14,588.00	7,709.46	117.67	120.02	91.86	-5,502.34	-268.65	2,817.53	2,583.74	233.79	12.052		
15,700.00	7,630.00	14,663.76	7,707.03	119.30	121.31	91.81	-5,578.05	-270.27	2,819.23	2,582.83	236.40	11.926		
15,800.00	7,630.00	14,734.00	7,704.99	120.93	122.50	91.77	-5,648.22	-272.43	2,821.89	2,583.07	238.82	11.816		
15,900.00	7,630.00	14,800.90	7,703.32	122.57	123.64	91.73	-5,715.04	-275.23	2,825.67	2,584.56	241.11	11.719		
16,000.00	7,630.00	14,867.65	7,701.82	124.21	124.76	91.70	-5,781.68	-278.84	2,830.65	2,587.29	243.36	11.632		
16,100.00	7,630.00	14,944.00	7,700.62	125.85	126.05	91.67	-5,857.86	-283.68	2,836.61	2,590.70	245.91	11.535		
16,200.00	7,630.00	15,023.59	7,700.17	127.50	127.39	91.66	-5,937.25	-289.31	2,843.34	2,594.77	248.57	11.439		
16,300.00	7,630.00	15,102.90	7,700.61	129.15	128.72	91.67	-6,016.32	-295.47	2,850.78	2,599.57	251.20	11.349		
16,400.00	7,630.00	15,216.72	7,702.66	130.80	130.63	91.70	-6,129.76	-304.54	2,858.48	2,603.42	255.06	11.207		
16,500.00	7,630.00	15,371.99	7,707.09	132.46	133.26	91.78	-6,284.62	-314.83	2,864.88	2,604.52	260.36	11.003		
16,600.00	7,630.00	15,592.00	7,717.21	134.11	137.02	91.98	-6,504.23	-323.02	2,868.72	2,601.08	267.65	10.718		
16,700.00	7,630.00	15,879.66	7,729.48	135.77	142.02	92.23	-6,791.50	-317.10	2,866.17	2,589.83	276.35	10.372		
16,800.00	7,630.00	15,983.01	7,732.78	137.43	143.82	92.30	-6,894.65	-311.56	2,860.60	2,580.73	279.88	10.221		
16,900.00	7,630.00	16,064.15	7,734.42	139.10	145.24	92.34	-6,975.68	-307.56	2,855.43	2,572.59	282.84	10.095		
17,000.00	7,630.00	16,141.56	7,735.68	140.77	146.59	92.37	-7,053.00	-304.35	2,851.02	2,565.33	285.70	9.979		
17,100.00	7,630.00	16,217.84	7,736.87	142.44	147.93	92.39	-7,129.23	-301.80	2,847.41	2,558.91	288.50	9.870		
17,200.00	7,630.00	16,292.60	7,738.05	144.11	149.23	92.42	-7,203.96	-299.96	2,844.68	2,553.43	291.25	9.767		
17,300.00	7,630.00	16,370.00	7,739.30	145.78	150.58	92.45	-7,281.34	-298.70	2,842.78	2,548.74	294.04	9.668		
17,400.00	7,630.00	16,444.49	7,740.56	147.46	151.87	92.47	-7,355.82	-298.11	2,841.73	2,544.99	296.74	9.577		
17,500.00	7,630.00	16,553.25	7,742.52	149.13	153.76	92.51	-7,464.56	-297.68	2,841.09	2,540.65	300.44	9.457		
17,600.00	7,630.00	16,673.55	7,744.59	150.81	155.85	92.56	-7,584.83	-296.42	2,839.77	2,535.29	304.47	9.327		
17,700.00	7,630.00	16,784.49	7,746.26	152.49	157.79	92.59	-7,695.75	-294.69	2,837.94	2,529.71	308.24	9.207		
17,800.00	7,630.00	16,887.38	7,747.72	154.18	159.58	92.62	-7,798.61	-292.81	2,835.84	2,524.07	311.77	9.096		
17,900.00	7,630.00	16,987.43	7,749.11	155.86	161.33	92.65	-7,898.63	-290.96	2,833.72	2,518.50	315.22	8.990		
18,000.00	7,630.00	17,097.51	7,750.68	157.55	163.25	92.69	-8,008.68	-288.74	2,831.44	2,512.48	318.97	8.877		
18,100.00	7,630.00	17,206.98	7,752.30	159.24	165.16	92.72	-8,118.10	-286.12	2,828.78	2,506.09	322.69	8.766		
18,200.00	7,630.00	17,300.95	7,752.82	160.92	166.81	92.74	-8,212.05	-283.75	2,825.97	2,499.99	325.98	8.669		
18,300.00	7,630.00	17,380.15	7,752.67	162.62	168.19	92.73	-8,291.23	-282.24	2,823.72	2,494.87	328.85	8.587		
18,400.00	7,630.00	17,472.76	7,752.10	164.31	169.81	92.72	-8,383.83	-281.06	2,822.08	2,489.99	332.09	8.498		

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



## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<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 1G-22H-B168 - OWB - FINAL SURVEY										<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b>		318-MWD OWSG										<b>Offset Well Error:</b>	0.00 usft
<b>Reference</b>		<b>Offset</b>		<b>Semi Major Axis</b>		<b>Distance</b>							
<b>Measured Depth (usft)</b>	<b>Vertical Depth (usft)</b>	<b>Measured Depth (usft)</b>	<b>Vertical Depth (usft)</b>	<b>Reference (usft)</b>	<b>Offset (usft)</b>	<b>Highside Toolface (°)</b>	<b>Offset Wellbore Centre +N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Between Centres (usft)</b>	<b>Between Ellipses (usft)</b>	<b>Minimum Separation (usft)</b>	<b>Separation Factor</b>	<b>Warning</b>
18,458.39	7,630.00	17,487.00	7,752.00	165.30	170.05	92.72	-8,398.07	-280.89	2,821.49	2,488.70	332.78	8.478 SF	



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	-51.84	786.52	-1,000.98	1,273.07					
100.00	100.00	91.05	91.05	0.13	0.14	-51.84	786.51	-1,000.84	1,272.91	1,272.64	0.27	4,698.528		
200.00	200.00	191.37	191.37	0.49	0.39	-51.83	786.47	-1,000.48	1,272.60	1,271.72	0.88	1,442.682		
300.00	300.00	288.87	288.87	0.85	0.73	-51.84	786.26	-1,000.44	1,272.43	1,270.85	1.58	804.814		
334.53	334.53	322.53	322.53	0.98	0.85	-51.84	786.15	-1,000.51	1,272.42	1,270.60	1.82	698.216		
400.00	400.00	383.33	383.33	1.21	1.06	-51.85	786.04	-1,000.74	1,272.55	1,270.28	2.27	560.911		
500.00	500.00	476.51	476.50	1.57	1.38	-51.86	786.27	-1,001.32	1,273.18	1,270.23	2.95	431.363		
600.00	600.00	569.68	569.66	1.93	1.71	-51.86	786.96	-1,002.17	1,274.35	1,270.72	3.63	350.659		
700.00	700.00	668.31	668.27	2.29	2.05	-51.79	789.14	-1,002.36	1,275.88	1,271.54	4.34	294.265		
800.00	800.00	784.70	784.35	2.64	2.47	-51.42	796.23	-998.25	1,276.91	1,271.80	5.11	250.122		
900.00	900.00	923.65	922.21	3.00	2.97	-50.65	808.62	-986.25	1,275.83	1,269.85	5.97	213.538		
1,000.00	1,000.00	1,020.08	1,017.67	3.36	3.35	-50.05	817.41	-975.88	1,273.34	1,266.63	6.70	189.917		
1,100.00	1,100.00	1,113.27	1,109.84	3.72	3.71	-49.43	826.65	-965.62	1,271.32	1,263.88	7.43	171.045		
1,200.00	1,199.98	1,211.89	1,207.36	4.07	4.11	-99.94	836.75	-954.95	1,270.13	1,261.94	8.19	155.143		
1,300.00	1,299.84	1,337.03	1,330.74	4.43	4.64	-99.33	850.37	-939.18	1,268.79	1,259.72	9.06	140.016		
1,400.00	1,399.45	1,437.58	1,429.22	4.79	5.09	-98.86	862.74	-923.11	1,266.48	1,256.62	9.86	128.397		
1,484.65	1,483.50	1,506.69	1,496.77	5.10	5.40	-98.58	872.19	-911.97	1,265.71	1,255.22	10.49	120.648 CC		
1,500.00	1,498.70	1,518.83	1,508.63	5.15	5.46	-98.54	873.94	-910.06	1,265.74	1,255.13	10.60	119.369 ES		
1,600.00	1,597.47	1,594.67	1,582.71	5.53	5.81	-98.30	885.48	-898.63	1,267.25	1,255.91	11.33	111.805		
1,700.00	1,695.62	1,688.36	1,674.24	5.93	6.25	-98.13	900.75	-885.71	1,270.92	1,258.75	12.17	104.458		
1,800.00	1,793.06	1,813.44	1,796.71	6.35	6.83	-98.18	919.25	-868.35	1,274.05	1,260.88	13.17	96.755		
1,900.00	1,889.64	1,936.20	1,917.17	6.79	7.40	-98.52	934.24	-850.02	1,275.01	1,260.84	14.17	89.958		
2,000.00	1,985.27	2,017.29	1,996.96	7.27	7.77	-98.90	943.47	-838.89	1,277.04	1,262.02	15.02	85.030		
2,100.00	2,079.82	2,098.14	2,076.57	7.79	8.14	-99.37	953.32	-828.83	1,281.21	1,265.31	15.89	80.612		
2,200.00	2,173.17	2,183.57	2,160.69	8.36	8.52	-99.95	964.41	-818.90	1,287.30	1,270.47	16.83	76.499		
2,300.00	2,265.21	2,274.14	2,249.85	8.97	8.93	-100.67	976.85	-808.93	1,295.22	1,277.39	17.83	72.642		
2,400.00	2,355.84	2,416.91	2,390.02	9.64	9.60	-102.01	996.61	-790.44	1,302.93	1,283.80	19.13	68.094		
2,500.00	2,444.94	2,503.88	2,475.36	10.36	10.00	-102.89	1,007.57	-777.76	1,309.77	1,289.54	20.22	64.766		
2,591.69	2,525.19	2,573.52	2,543.84	11.07	10.32	-103.65	1,016.42	-768.74	1,318.43	1,297.22	21.21	62.160		
2,600.00	2,532.40	2,579.77	2,549.99	11.14	10.35	-103.74	1,017.22	-767.99	1,319.33	1,298.03	21.30	61.938		
2,700.00	2,619.15	2,691.20	2,659.63	11.96	10.87	-105.29	1,031.43	-754.08	1,330.35	1,307.79	22.56	58.957		
2,800.00	2,705.89	2,829.13	2,794.65	12.81	11.53	-107.05	1,049.79	-732.77	1,340.18	1,316.20	23.97	55.900		
2,900.00	2,792.64	2,933.03	2,896.48	13.67	12.03	-108.42	1,060.56	-715.15	1,347.73	1,322.51	25.22	53.439		
3,000.00	2,879.39	3,033.87	2,995.09	14.55	12.52	-109.69	1,072.19	-697.51	1,356.16	1,329.70	26.46	51.250		
3,100.00	2,966.14	3,102.88	3,062.57	15.44	12.85	-110.55	1,080.33	-685.67	1,365.67	1,338.11	27.56	49.553		
3,200.00	3,052.88	3,171.91	3,130.55	16.34	13.17	-111.47	1,087.51	-676.06	1,377.83	1,349.20	28.63	48.127		
3,300.00	3,139.63	3,253.41	3,210.69	17.25	13.55	-112.50	1,097.67	-665.21	1,392.08	1,362.34	29.74	46.801		
3,400.00	3,226.38	3,360.41	3,315.51	18.17	14.06	-113.75	1,112.82	-650.01	1,406.95	1,375.95	31.00	45.390		
3,500.00	3,313.12	3,454.66	3,407.72	19.09	14.52	-114.80	1,126.14	-635.75	1,421.53	1,389.35	32.18	44.171		
3,600.00	3,399.87	3,543.79	3,494.96	20.02	14.96	-115.79	1,138.95	-622.77	1,437.21	1,403.88	33.33	43.121		
3,700.00	3,486.62	3,627.62	3,577.14	20.96	15.36	-116.72	1,150.62	-611.05	1,453.75	1,419.32	34.43	42.224		
3,800.00	3,573.37	3,744.99	3,692.37	21.90	15.92	-118.02	1,166.36	-595.23	1,471.17	1,435.49	35.68	41.232		
3,900.00	3,660.11	3,827.01	3,772.70	22.84	16.32	-118.88	1,177.64	-583.13	1,487.98	1,451.23	36.75	40.489		
4,000.00	3,746.86	3,909.47	3,853.56	23.78	16.71	-119.74	1,189.19	-571.84	1,506.26	1,468.46	37.80	39.847		
4,100.00	3,833.61	3,994.14	3,936.90	24.73	17.10	-120.66	1,199.81	-561.31	1,525.69	1,486.85	38.83	39.289		
4,200.00	3,920.35	4,097.50	4,038.80	25.68	17.57	-121.79	1,211.95	-549.05	1,545.94	1,506.01	39.93	38.715		
4,300.00	4,007.10	4,210.71	4,149.99	26.63	18.10	-122.93	1,226.49	-533.46	1,565.18	1,524.09	41.09	38.090		
4,400.00	4,093.85	4,338.27	4,274.63	27.59	18.74	-124.09	1,244.78	-513.44	1,583.46	1,541.12	42.34	37.396		
4,500.00	4,180.60	4,412.00	4,346.70	28.55	19.10	-124.75	1,255.09	-501.82	1,601.97	1,558.66	43.31	36.990		
4,600.00	4,267.34	4,513.12	4,445.68	29.50	19.60	-125.65	1,269.01	-486.44	1,621.34	1,576.95	44.39	36.524		
4,700.00	4,354.09	4,607.54	4,537.98	30.46	20.07	-126.46	1,282.21	-471.60	1,640.62	1,595.19	45.43	36.110		
4,800.00	4,440.84	4,679.00	4,608.01	31.42	20.41	-127.08	1,291.91	-461.19	1,661.20	1,614.87	46.33	35.853		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,527.58	4,778.21	4,705.41	32.39	20.89	-127.94	1,304.81	-447.46	1,682.74	1,635.39	47.36	35.534		
5,000.00	4,614.33	4,886.97	4,811.89	33.35	21.42	-128.82	1,320.00	-431.31	1,703.81	1,655.37	48.44	35.174		
5,100.00	4,701.08	4,987.39	4,909.96	34.31	21.92	-129.58	1,335.09	-415.92	1,724.92	1,675.43	49.49	34.855		
5,200.00	4,787.82	5,067.30	4,987.92	35.28	22.32	-130.16	1,347.37	-403.36	1,746.04	1,695.63	50.42	34.633		
5,300.00	4,874.57	5,124.00	5,043.58	36.25	22.59	-130.60	1,355.11	-395.81	1,769.34	1,718.17	51.17	34.579		
5,400.00	4,961.32	5,216.67	5,134.88	37.21	23.02	-131.36	1,366.36	-384.69	1,794.02	1,741.94	52.08	34.447		
5,500.00	5,048.07	5,311.54	5,228.40	38.18	23.45	-132.12	1,377.67	-373.39	1,819.09	1,766.09	52.99	34.326		
5,600.00	5,134.81	5,504.08	5,417.12	39.15	24.38	-133.55	1,401.81	-344.13	1,841.04	1,786.60	54.44	33.818		
5,700.00	5,221.56	5,587.43	5,498.13	40.12	24.81	-134.06	1,414.97	-329.63	1,861.79	1,806.43	55.36	33.629		
5,800.00	5,308.31	5,677.69	5,586.22	41.09	25.27	-134.65	1,427.41	-314.38	1,883.07	1,826.79	56.28	33.457		
5,900.00	5,395.05	5,757.76	5,664.69	42.06	25.66	-135.22	1,436.81	-301.51	1,905.22	1,848.12	57.10	33.364		
6,000.00	5,481.80	5,856.29	5,761.35	43.03	26.13	-135.93	1,447.87	-286.00	1,927.93	1,869.93	58.00	33.240		
6,100.00	5,568.55	5,926.00	5,829.43	44.00	26.48	-136.36	1,457.65	-274.61	1,950.70	1,891.93	58.78	33.188		
6,200.00	5,655.30	5,988.24	5,890.25	44.97	26.78	-136.72	1,467.01	-265.33	1,975.14	1,915.64	59.50	33.196		
6,300.00	5,742.04	6,055.35	5,956.29	45.94	27.10	-137.14	1,475.87	-257.34	2,002.13	1,941.92	60.21	33.253		
6,400.00	5,828.79	6,206.16	6,104.84	46.92	27.79	-138.12	1,493.40	-238.14	2,028.85	1,967.47	61.38	33.054		
6,500.00	5,915.54	6,309.00	6,205.54	47.89	28.29	-138.72	1,507.38	-222.70	2,053.40	1,991.09	62.31	32.954		
6,600.00	6,002.28	6,371.20	6,266.60	48.86	28.59	-139.08	1,515.37	-213.92	2,079.03	2,016.04	62.99	33.007		
6,700.00	6,089.03	6,478.57	6,372.10	49.83	29.10	-139.70	1,529.02	-199.41	2,105.43	2,041.51	63.92	32.940		
6,800.00	6,175.78	6,618.88	6,509.69	50.81	29.77	-140.49	1,546.51	-178.19	2,130.40	2,065.38	65.02	32.765		
6,900.00	6,262.53	6,692.07	6,581.34	51.78	30.13	-140.89	1,555.90	-166.62	2,155.00	2,089.24	65.76	32.772		
7,000.00	6,349.27	6,770.09	6,657.65	52.76	30.52	-141.26	1,567.67	-155.43	2,180.98	2,114.43	66.54	32.776		
7,100.00	6,436.02	6,882.92	6,768.04	53.73	31.07	-141.78	1,584.32	-139.11	2,207.04	2,139.50	67.53	32.681		
7,200.00	6,522.77	7,191.73	7,069.52	54.71	32.46	-144.01	1,597.09	-79.14	2,230.55	2,161.77	68.78	32.432		
7,300.00	6,609.51	7,247.31	7,122.73	55.68	32.65	-144.65	1,588.83	-65.45	2,248.46	2,179.29	69.17	32.505		
7,400.00	6,696.26	7,263.00	7,137.67	56.66	32.71	-144.85	1,585.79	-61.72	2,269.08	2,199.51	69.57	32.616		
7,500.00	6,783.01	7,305.50	7,178.26	57.63	32.82	-145.40	1,577.08	-52.63	2,292.44	2,222.60	69.84	32.823		
7,600.00	6,869.76	7,352.00	7,223.08	58.61	32.94	-145.98	1,567.49	-44.84	2,319.58	2,249.51	70.07	33.104		
7,683.49	6,942.18	7,352.00	7,223.08	59.42	32.94	-145.98	1,567.49	-44.84	2,343.95	2,273.71	70.23	33.374		
7,700.00	6,956.57	7,360.15	7,230.97	59.58	32.96	-149.05	1,565.79	-43.66	2,349.07	2,278.81	70.26	33.434		
7,750.00	7,000.85	7,406.60	7,275.83	60.04	33.06	-159.56	1,555.80	-36.92	2,364.58	2,294.23	70.35	33.613		
7,800.00	7,045.94	7,454.58	7,321.99	60.46	33.16	-171.41	1,544.85	-29.82	2,379.89	2,309.46	70.43	33.790		
7,850.00	7,091.49	7,503.61	7,368.81	60.84	33.26	175.80	1,532.35	-22.37	2,394.80	2,324.30	70.50	33.969		
7,900.00	7,137.15	7,568.91	7,430.27	61.17	33.39	162.76	1,512.94	-11.95	2,409.07	2,338.55	70.52	34.160		
7,950.00	7,182.58	7,784.78	7,618.61	61.44	33.71	149.37	1,419.07	33.57	2,420.99	2,351.10	69.89	34.638		
8,000.00	7,227.43	7,798.00	7,629.23	61.67	33.72	138.96	1,411.97	36.95	2,430.50	2,360.53	69.97	34.736		
8,050.00	7,271.36	7,832.37	7,656.26	61.84	33.74	129.97	1,392.54	45.47	2,439.35	2,369.42	69.93	34.883		
8,100.00	7,314.04	7,850.58	7,670.21	61.96	33.76	122.62	1,381.62	49.72	2,447.89	2,377.93	69.96	34.989		
8,150.00	7,355.14	7,887.00	7,697.24	62.04	33.78	116.52	1,358.53	57.61	2,456.07	2,386.18	69.89	35.142		
8,200.00	7,394.34	7,887.00	7,697.24	62.07	33.78	111.67	1,358.53	57.61	2,463.31	2,393.30	70.01	35.185		
8,250.00	7,431.36	7,887.00	7,697.24	62.06	33.78	107.66	1,358.53	57.61	2,470.25	2,400.12	70.13	35.225		
8,300.00	7,465.90	7,920.00	7,720.61	62.01	33.77	104.36	1,336.13	63.99	2,476.18	2,406.11	70.07	35.337		
8,350.00	7,497.71	7,936.36	7,731.75	61.93	33.77	101.69	1,324.50	66.85	2,481.58	2,411.46	70.11	35.393		
8,400.00	7,526.53	7,976.00	7,757.43	61.81	33.76	99.58	1,294.93	72.91	2,486.55	2,416.53	70.02	35.510		
8,450.00	7,552.17	7,976.00	7,757.43	61.66	33.76	97.83	1,294.93	72.91	2,490.12	2,419.93	70.19	35.479		
8,500.00	7,574.41	7,976.00	7,757.43	61.48	33.76	96.40	1,294.93	72.91	2,493.22	2,422.85	70.36	35.433		
8,550.00	7,593.09	8,003.52	7,774.06	61.29	33.73	95.47	1,273.30	76.43	2,495.40	2,425.01	70.39	35.452		
8,600.00	7,608.07	8,020.97	7,784.05	61.07	33.71	94.78	1,259.12	78.38	2,496.80	2,426.31	70.49	35.420		
8,650.00	7,619.23	8,038.32	7,793.54	60.84	33.69	94.39	1,244.70	80.10	2,497.38	2,426.77	70.61	35.367		
8,700.00	7,626.48	8,065.00	7,807.24	60.60	33.67	94.35	1,221.91	82.32	2,497.19	2,426.50	70.68	35.328		
8,750.00	7,629.78	8,065.00	7,807.24	60.35	33.67	94.32	1,221.91	82.32	2,496.14	2,425.17	70.97	35.171		
8,766.45	7,630.00	8,065.00	7,807.24	60.27	33.67	94.35	1,221.91	82.32	2,495.69	2,424.62	71.07	35.116		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
8,800.00	7,630.00	8,091.06	7,819.40	60.10	33.61	94.63	1,198.93	83.99	2,494.62	2,423.55	71.07	35.100		
8,894.21	7,630.00	8,127.15	7,833.93	59.64	33.55	94.97	1,165.94	85.49	2,493.47	2,422.12	71.36	34.944		
8,900.00	7,630.00	8,129.46	7,834.77	59.61	33.54	94.99	1,163.80	85.55	2,493.48	2,422.11	71.37	34.937		
9,000.00	7,630.00	8,177.28	7,849.42	59.15	33.44	95.32	1,118.31	86.07	2,494.81	2,423.23	71.57	34.856		
9,100.00	7,630.00	8,243.00	7,860.57	58.71	33.30	95.58	1,053.63	84.83	2,497.95	2,426.36	71.59	34.891		
9,200.00	7,630.00	8,322.86	7,864.78	58.30	33.12	95.67	973.96	81.54	2,502.21	2,430.70	71.51	34.991		
9,300.00	7,630.00	8,417.09	7,865.04	57.91	32.96	95.66	879.85	76.82	2,506.89	2,435.48	71.41	35.108		
9,400.00	7,630.00	8,762.72	7,857.93	57.54	33.27	95.50	534.50	76.77	2,505.38	2,434.50	70.89	35.343		
9,500.00	7,630.00	8,863.38	7,854.54	57.19	33.75	95.44	434.04	82.15	2,499.40	2,427.86	71.54	34.939		
9,600.00	7,630.00	8,900.12	7,853.32	56.87	33.95	95.41	397.34	83.31	2,495.62	2,423.48	72.14	34.596		
9,700.00	7,630.00	8,925.00	7,852.52	56.57	34.10	95.39	372.48	83.56	2,494.44	2,421.73	72.71	34.305		
9,715.63	7,630.00	8,946.12	7,851.87	56.53	34.23	95.38	351.37	83.49	2,494.37	2,421.50	72.87	34.231		
9,800.00	7,630.00	8,983.24	7,850.89	56.30	34.46	95.36	314.28	82.81	2,495.40	2,421.97	73.42	33.986		
9,900.00	7,630.00	9,039.72	7,849.68	56.05	34.83	95.32	257.85	80.61	2,498.61	2,424.45	74.16	33.690		
10,000.00	7,630.00	9,134.42	7,847.64	55.82	35.51	95.27	163.27	76.15	2,502.76	2,427.60	75.16	33.297		
10,100.00	7,630.00	9,254.80	7,845.02	55.63	36.48	95.20	43.03	71.02	2,506.47	2,429.98	76.49	32.768		
10,200.00	7,630.00	9,366.81	7,842.58	55.46	37.48	95.14	-68.88	67.02	2,509.50	2,431.56	77.94	32.198		
10,300.00	7,630.00	9,471.04	7,840.30	55.32	38.48	95.08	-173.03	63.60	2,512.24	2,432.77	79.47	31.614		
10,400.00	7,630.00	9,561.23	7,838.29	55.22	39.40	95.03	-263.14	60.37	2,515.26	2,434.30	80.96	31.067		
10,500.00	7,630.00	9,946.10	7,828.64	55.15	43.89	94.83	-647.43	70.83	2,510.15	2,423.20	86.95	28.868		
10,600.00	7,630.00	10,041.48	7,826.65	55.14	45.13	94.80	-742.51	78.01	2,502.13	2,413.10	89.02	28.106		
10,700.00	7,630.00	10,700.00	7,821.34	55.18	54.30	94.73	-968.67	102.48	2,490.12	2,390.47	99.65	24.990		
10,800.00	7,630.00	10,311.55	7,820.11	55.28	48.84	94.71	-1,010.85	107.42	2,478.02	2,383.10	94.92	26.106		
10,900.00	7,630.00	10,350.00	7,819.01	55.47	49.38	94.69	-1,049.11	111.01	2,468.24	2,372.10	96.14	25.673		
11,000.00	7,630.00	10,393.71	7,817.76	55.74	49.99	94.67	-1,092.69	114.06	2,460.82	2,363.37	97.45	25.252		
11,100.00	7,630.00	10,647.17	7,811.02	56.11	53.63	94.55	-1,345.20	133.20	2,454.65	2,351.49	103.16	23.795		
11,200.00	7,630.00	10,707.00	7,809.35	56.60	54.53	94.52	-1,404.66	139.66	2,443.21	2,338.27	104.94	23.282		
11,300.00	7,630.00	10,776.33	7,807.39	57.20	55.57	94.48	-1,473.65	146.15	2,433.22	2,326.29	106.93	22.755		
11,400.00	7,630.00	10,826.27	7,805.96	57.91	56.31	94.46	-1,523.40	150.33	2,424.48	2,315.99	108.49	22.347		
11,500.00	7,630.00	10,885.00	7,804.30	58.72	57.19	94.43	-1,582.02	153.38	2,418.33	2,308.10	110.24	21.937		
11,600.00	7,630.00	10,909.44	7,803.61	59.63	57.55	94.41	-1,606.44	154.07	2,414.26	2,303.12	111.14	21.722		
11,700.00	7,630.00	10,974.00	7,801.78	60.61	58.50	94.37	-1,670.97	154.48	2,412.78	2,299.79	112.99	21.354		
11,730.88	7,630.00	10,974.00	7,801.78	60.93	58.50	94.37	-1,670.97	154.48	2,412.58	2,299.52	113.06	21.339		
11,800.00	7,630.00	10,998.28	7,801.08	61.67	58.85	94.35	-1,695.24	154.08	2,413.26	2,299.47	113.79	21.207		
11,900.00	7,630.00	11,038.33	7,799.96	62.78	59.42	94.32	-1,735.25	152.61	2,416.36	2,301.41	114.95	21.021		
12,000.00	7,630.00	11,063.00	7,799.28	63.95	59.78	94.30	-1,759.87	151.22	2,422.06	2,306.42	115.64	20.944		
12,100.00	7,630.00	11,120.82	7,797.79	65.16	60.60	94.26	-1,817.48	146.56	2,429.90	2,312.71	117.19	20.734		
12,200.00	7,630.00	11,172.41	7,796.66	66.41	61.32	94.23	-1,868.74	140.91	2,440.20	2,321.65	118.54	20.585		
12,300.00	7,630.00	11,726.50	7,800.24	67.68	69.64	94.29	-2,420.40	125.42	2,445.59	2,311.66	133.92	18.261		
12,400.00	7,630.00	12,400.00	7,801.01	68.99	80.56	94.32	-2,543.11	134.75	2,437.74	2,291.23	146.51	16.638		
12,500.00	7,630.00	11,930.01	7,801.41	70.33	72.93	94.34	-2,623.27	141.45	2,429.27	2,289.14	140.13	17.335		
12,600.00	7,630.00	12,006.94	7,802.01	71.68	74.18	94.37	-2,700.03	146.49	2,422.40	2,279.80	142.61	16.987		
12,700.00	7,630.00	12,096.38	7,802.89	73.06	75.64	94.40	-2,789.30	152.03	2,415.97	2,270.55	145.42	16.613		
12,800.00	7,630.00	12,198.56	7,803.82	74.45	77.31	94.43	-2,891.30	157.99	2,409.89	2,261.28	148.61	16.216		
12,900.00	7,630.00	12,304.67	7,804.78	75.87	79.05	94.47	-2,997.20	164.56	2,403.45	2,251.53	151.92	15.820		
13,000.00	7,630.00	12,401.30	7,805.63	77.29	80.64	94.50	-3,093.63	170.58	2,396.98	2,241.99	154.99	15.466		
13,100.00	7,630.00	12,519.44	7,806.60	78.74	82.60	94.54	-3,211.52	178.33	2,390.16	2,231.48	158.68	15.063		
13,200.00	7,630.00	12,661.78	7,807.53	80.19	84.98	94.58	-3,353.44	189.11	2,382.42	2,219.37	163.05	14.611		
13,300.00	7,630.00	12,756.00	7,807.58	81.66	86.57	94.60	-3,447.21	198.30	2,372.43	2,206.31	166.12	14.281		
13,400.00	7,630.00	12,813.21	7,807.70	83.14	87.53	94.61	-3,504.20	203.32	2,363.90	2,195.75	168.15	14.058		
13,500.00	7,630.00	12,845.00	7,807.89	84.63	88.07	94.62	-3,535.94	205.06	2,358.32	2,188.95	169.37	13.924		
13,600.00	7,630.00	12,889.04	7,808.24	86.14	88.79	94.63	-3,579.96	206.33	2,355.33	2,184.48	170.86	13.785		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
13,654.52	7,630.00	12,910.48	7,808.42	86.96	89.14	94.64	-3,601.40	206.48	2,354.80	2,183.24	171.55	13.726		
13,700.00	7,630.00	12,934.00	7,808.64	87.65	89.53	94.64	-3,624.92	206.30	2,354.95	2,182.66	172.30	13.668		
13,800.00	7,630.00	13,131.75	7,809.19	89.17	92.80	94.66	-3,822.62	209.67	2,352.37	2,173.72	178.65	13.168		
13,900.00	7,630.00	13,214.92	7,809.46	90.70	94.19	94.68	-3,905.75	211.98	2,349.28	2,167.91	181.37	12.953		
14,000.00	7,630.00	13,308.00	7,809.90	92.24	95.74	94.69	-3,998.80	214.33	2,346.48	2,162.06	184.42	12.724		
14,100.00	7,630.00	13,380.00	7,810.19	93.78	96.94	94.70	-4,070.79	215.30	2,344.77	2,157.99	186.78	12.554		
14,200.00	7,630.00	13,506.32	7,810.69	95.33	99.05	94.72	-4,197.10	216.88	2,343.30	2,152.40	190.90	12.275		
14,300.00	7,630.00	13,620.54	7,810.99	96.89	100.97	94.73	-4,311.27	219.95	2,340.27	2,145.63	194.64	12.023		
14,400.00	7,630.00	13,693.71	7,810.99	98.46	102.20	94.74	-4,384.43	221.63	2,337.69	2,140.62	197.07	11.862		
14,500.00	7,630.00	13,766.25	7,811.25	100.03	103.41	94.74	-4,456.97	222.25	2,336.49	2,137.04	199.46	11.714		
14,590.82	7,630.00	13,839.23	7,811.68	101.47	104.63	94.76	-4,529.94	222.36	2,336.12	2,134.27	201.85	11.574		
14,600.00	7,630.00	13,844.92	7,811.72	101.61	104.73	94.76	-4,535.63	222.34	2,336.13	2,134.10	202.03	11.563		
14,700.00	7,630.00	14,700.00	7,813.07	103.20	119.08	94.79	-4,645.04	221.37	2,336.83	2,118.58	218.25	10.707		
14,800.00	7,630.00	14,084.35	7,815.80	104.78	108.75	94.86	-4,775.00	222.85	2,335.41	2,125.42	209.99	11.122		
14,900.00	7,630.00	14,174.48	7,817.99	106.38	110.27	94.92	-4,865.09	223.85	2,334.17	2,121.18	212.99	10.959		
15,000.00	7,630.00	14,291.15	7,821.29	107.98	112.25	95.00	-4,981.71	225.36	2,332.80	2,115.91	216.88	10.756		
15,100.00	7,630.00	14,565.07	7,828.13	109.58	116.96	95.20	-5,255.10	239.05	2,328.40	2,102.82	225.58	10.322		
15,200.00	7,630.00	14,652.00	7,830.22	111.19	118.47	95.27	-5,341.64	247.03	2,319.19	2,090.59	228.60	10.145		
15,300.00	7,630.00	14,717.00	7,831.74	112.81	119.60	95.32	-5,406.43	251.96	2,311.42	2,080.44	230.97	10.007		
15,400.00	7,630.00	14,752.96	7,832.57	114.42	120.22	95.34	-5,442.33	253.93	2,305.70	2,073.32	232.38	9.922		
15,500.00	7,630.00	15,500.00	7,834.35	116.05	133.07	95.40	-5,527.24	256.48	2,302.43	2,055.77	246.66	9.334		
15,600.00	7,630.00	15,015.12	7,836.00	117.67	124.75	95.46	-5,704.05	267.29	2,295.43	2,054.36	241.06	9.522		
15,700.00	7,630.00	15,073.00	7,836.36	119.30	125.76	95.48	-5,761.83	270.57	2,289.39	2,046.22	243.17	9.415		
15,800.00	7,630.00	15,113.95	7,836.73	120.93	126.46	95.49	-5,802.76	271.99	2,285.50	2,040.87	244.63	9.343		
15,900.00	7,630.00	15,162.00	7,837.18	122.57	127.28	95.51	-5,850.80	272.63	2,283.92	2,037.73	246.19	9.277		
15,910.29	7,630.00	15,162.00	7,837.18	122.74	127.28	95.51	-5,850.80	272.63	2,283.90	2,037.73	246.17	9.278		
16,000.00	7,630.00	15,205.30	7,837.58	124.21	128.01	95.52	-5,894.10	272.17	2,284.72	2,037.27	247.46	9.233		
16,100.00	7,630.00	15,251.00	7,837.97	125.85	128.78	95.52	-5,939.76	270.53	2,287.99	2,039.31	248.68	9.201		
16,200.00	7,630.00	15,310.90	7,838.43	127.50	129.78	95.53	-5,999.56	267.14	2,293.32	2,042.96	250.37	9.160		
16,300.00	7,630.00	15,417.59	7,839.27	129.15	131.55	95.53	-6,106.01	259.99	2,299.76	2,045.77	253.99	9.054		
16,400.00	7,630.00	15,501.83	7,839.88	130.80	132.95	95.53	-6,190.08	254.64	2,305.84	2,049.16	256.68	8.983		
16,500.00	7,630.00	15,597.67	7,840.23	132.46	134.54	95.53	-6,285.68	247.91	2,312.52	2,052.67	259.85	8.899		
16,600.00	7,630.00	15,664.70	7,840.56	134.11	135.65	95.52	-6,352.51	242.81	2,319.85	2,058.08	261.77	8.862		
16,700.00	7,630.00	15,718.84	7,841.10	135.77	136.54	95.53	-6,406.42	237.84	2,328.82	2,065.78	263.05	8.853		
16,800.00	7,630.00	15,763.43	7,841.46	137.43	137.27	95.52	-6,450.71	232.71	2,340.04	2,076.26	263.77	8.871		
16,900.00	7,630.00	16,272.18	7,845.95	139.10	145.80	95.60	-6,954.65	217.57	2,338.65	2,055.38	283.27	8.256		
17,000.00	7,630.00	16,320.00	7,845.87	140.77	146.63	95.60	-7,002.45	218.26	2,335.82	2,050.81	285.01	8.196		
17,062.12	7,630.00	16,320.00	7,845.87	141.80	146.63	95.60	-7,002.45	218.26	2,335.00	2,050.03	284.97	8.194		
17,100.00	7,630.00	16,320.00	7,845.87	142.44	146.63	95.60	-7,002.45	218.26	2,335.30	2,050.46	284.85	8.198		
17,200.00	7,630.00	16,320.00	7,845.87	144.11	146.63	95.60	-7,002.45	218.26	2,339.07	2,054.86	284.21	8.230		
17,300.00	7,630.00	16,373.29	7,845.65	145.78	147.52	95.59	-7,055.67	215.60	2,344.72	2,059.19	285.54	8.212		
17,400.00	7,630.00	16,409.00	7,845.52	147.46	148.11	95.58	-7,091.18	211.86	2,354.26	2,068.32	285.94	8.233		
17,500.00	7,630.00	16,486.41	7,845.36	149.13	149.38	95.55	-7,168.00	202.34	2,365.96	2,077.74	288.22	8.209		
17,600.00	7,630.00	16,591.42	7,844.77	150.81	151.10	95.51	-7,272.27	189.97	2,377.30	2,085.47	291.84	8.146		
17,700.00	7,630.00	16,679.79	7,843.10	152.49	152.55	95.44	-7,359.98	179.28	2,388.83	2,094.18	294.65	8.107		
17,800.00	7,630.00	16,803.30	7,839.72	154.18	154.59	95.33	-7,482.58	164.75	2,399.93	2,100.76	299.17	8.022		
17,900.00	7,630.00	16,900.76	7,836.33	155.86	156.19	95.23	-7,579.36	153.66	2,410.62	2,108.19	302.44	7.971		
18,000.00	7,630.00	17,005.92	7,831.89	157.55	157.93	95.10	-7,683.71	141.47	2,421.48	2,115.41	306.07	7.911		
18,100.00	7,630.00	17,110.98	7,826.98	159.24	159.67	94.96	-7,787.99	129.72	2,431.89	2,122.18	309.71	7.852		
18,200.00	7,630.00	17,215.63	7,821.46	160.92	161.40	94.80	-7,891.86	118.13	2,442.17	2,128.84	313.33	7.794		
18,300.00	7,630.00	17,326.56	7,815.21	162.62	163.25	94.63	-8,001.97	106.26	2,452.05	2,134.81	317.24	7.729		
18,400.00	7,630.00	17,435.37	7,808.40	164.31	165.06	94.46	-8,109.97	94.88	2,461.67	2,140.62	321.05	7.668		

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



## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<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 1H-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	
18,458.39	7,630.00	17,503.82	7,803.49	165.30	166.20	94.33	-8,177.90	88.05	2,466.99	2,143.49	323.50	7.626 SF	



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	-51.56	786.52	-990.90	1,265.16					
100.00	100.00	87.59	87.59	0.13	0.15	-51.56	786.47	-990.95	1,265.12	1,264.84	0.28	4,514.828		
200.00	200.00	187.11	187.11	0.49	0.31	-51.57	786.30	-991.15	1,265.17	1,264.37	0.80	1,572.913		
300.00	300.00	286.64	286.64	0.85	0.48	-51.59	786.01	-991.50	1,265.26	1,263.93	1.33	952.411		
400.00	400.00	384.37	384.36	1.21	0.77	-51.62	785.70	-991.96	1,265.43	1,263.46	1.98	640.704		
500.00	500.00	481.27	481.26	1.57	1.11	-51.63	785.68	-992.48	1,265.84	1,263.17	2.68	472.682		
600.00	600.00	576.98	576.98	1.93	1.44	-51.63	786.16	-992.95	1,266.54	1,263.17	3.37	375.678		
700.00	700.00	731.64	731.53	2.29	1.97	-51.44	788.31	-988.80	1,265.33	1,261.07	4.26	297.239		
800.00	800.00	845.02	844.44	2.64	2.37	-51.03	792.33	-979.41	1,261.04	1,256.03	5.01	251.686		
900.00	900.00	945.50	944.06	3.00	2.75	-50.47	799.04	-968.26	1,256.64	1,250.90	5.74	218.941		
1,000.00	1,000.00	1,052.27	1,049.35	3.36	3.17	-49.69	808.88	-953.53	1,251.91	1,245.39	6.52	192.080		
1,100.00	1,100.00	1,155.99	1,150.93	3.72	3.61	-48.76	820.98	-936.42	1,246.94	1,239.62	7.31	170.510		
1,200.00	1,199.98	1,248.78	1,241.65	4.07	4.03	-99.11	832.23	-920.52	1,242.39	1,234.31	8.08	153.728		
1,300.00	1,299.84	1,345.76	1,335.88	4.43	4.49	-98.36	846.36	-902.53	1,239.20	1,230.30	8.89	139.322		
1,400.00	1,399.45	1,430.08	1,417.22	4.79	4.92	-97.71	860.61	-885.46	1,237.12	1,227.44	9.68	127.814		
1,500.00	1,498.70	1,537.85	1,520.96	5.15	5.48	-96.97	879.99	-863.63	1,236.45	1,225.85	10.61	116.559		
1,600.00	1,597.47	1,671.55	1,649.70	5.53	6.20	-96.32	900.83	-834.22	1,233.15	1,221.45	11.69	105.451		
1,700.00	1,695.62	1,760.05	1,735.06	5.93	6.68	-96.07	914.52	-815.30	1,230.88	1,218.31	12.57	97.923		
1,800.00	1,793.06	1,896.58	1,866.32	6.35	7.44	-95.84	935.15	-783.95	1,227.75	1,214.02	13.73	89.428		
1,900.00	1,889.64	1,969.06	1,936.04	6.79	7.85	-95.87	945.61	-767.10	1,224.29	1,209.71	14.59	83.941		
2,000.00	1,985.27	2,074.84	2,038.17	7.27	8.43	-96.09	961.24	-744.41	1,222.70	1,207.06	15.64	78.182		
2,100.00	2,079.82	2,163.79	2,124.03	7.79	8.92	-96.41	974.16	-725.12	1,221.14	1,204.50	16.64	73.372		
2,200.00	2,173.17	2,278.63	2,234.74	8.36	9.57	-96.98	990.99	-699.64	1,219.73	1,201.90	17.83	68.416		
2,288.59	2,254.78	2,353.20	2,306.71	8.90	9.99	-97.48	1,001.72	-683.32	1,218.99	1,200.21	18.77	64.930 CC		
2,300.00	2,265.21	2,361.51	2,314.74	8.97	10.03	-97.54	1,002.92	-681.58	1,219.00	1,200.12	18.89	64.540 ES		
2,400.00	2,355.84	2,438.00	2,388.88	9.64	10.45	-98.18	1,014.25	-666.57	1,220.74	1,200.79	19.94	61.207		
2,500.00	2,444.94	2,509.59	2,458.55	10.36	10.82	-98.87	1,025.09	-654.19	1,225.21	1,204.21	21.00	58.347		
2,591.69	2,525.19	2,578.31	2,525.62	11.07	11.16	-99.63	1,035.67	-643.61	1,231.72	1,209.71	22.01	55.962		
2,600.00	2,532.40	2,584.48	2,531.64	11.14	11.19	-99.71	1,036.63	-642.72	1,232.42	1,210.32	22.10	55.760		
2,700.00	2,619.15	2,700.00	2,703.91	11.96	11.79	-101.97	1,062.42	-609.74	1,237.03	1,213.57	23.46	52.734		
2,800.00	2,705.89	2,869.37	2,807.44	12.81	12.75	-103.21	1,077.54	-584.94	1,238.96	1,213.80	25.16	49.239		
2,900.00	2,792.64	2,982.58	2,916.31	13.67	13.40	-104.51	1,092.96	-558.05	1,240.61	1,214.05	26.56	46.714		
3,000.00	2,879.39	3,063.73	2,994.66	14.55	13.87	-105.48	1,103.45	-539.69	1,243.31	1,215.52	27.79	44.732		
3,100.00	2,966.14	3,149.76	3,077.62	15.44	14.35	-106.47	1,115.54	-520.39	1,247.35	1,218.30	29.05	42.939		
3,200.00	3,052.88	3,223.57	3,149.03	16.34	14.76	-107.34	1,126.14	-505.03	1,253.36	1,223.13	30.23	41.460		
3,300.00	3,139.63	3,300.06	3,252.07	17.25	15.35	-108.58	1,141.62	-483.05	1,260.09	1,228.53	31.56	39.924		
3,400.00	3,226.38	3,414.58	3,334.10	18.17	15.81	-109.60	1,153.30	-466.37	1,267.76	1,234.99	32.76	38.693		
3,500.00	3,313.12	3,509.79	3,426.31	19.09	16.33	-110.69	1,167.36	-447.28	1,276.16	1,242.15	34.01	37.519		
3,600.00	3,399.87	3,596.89	3,510.82	20.02	16.81	-111.69	1,180.29	-430.67	1,285.91	1,250.70	35.21	36.525		
3,700.00	3,486.62	3,703.76	3,614.49	20.96	17.39	-112.92	1,195.48	-409.60	1,295.30	1,258.82	36.48	35.505		
3,800.00	3,573.37	3,801.63	3,709.33	21.90	17.92	-113.99	1,210.20	-390.46	1,305.73	1,268.02	37.71	34.627		
3,900.00	3,660.11	3,940.36	3,843.31	22.84	18.71	-115.47	1,230.16	-360.53	1,314.59	1,275.47	39.12	33.602		
4,000.00	3,746.86	4,051.15	3,949.96	23.78	19.35	-116.64	1,244.89	-334.36	1,321.60	1,281.22	40.38	32.728		
4,100.00	3,833.61	4,113.42	4,010.06	24.73	19.70	-117.30	1,253.05	-320.32	1,329.95	1,288.55	41.40	32.123		
4,200.00	3,920.35	4,198.91	4,092.99	25.68	20.17	-118.24	1,264.46	-302.94	1,340.82	1,298.32	42.49	31.553		
4,300.00	4,007.10	4,273.57	4,165.12	26.63	20.58	-118.98	1,275.87	-287.44	1,352.56	1,309.03	43.53	31.075		
4,400.00	4,093.85	4,344.16	4,233.78	27.59	20.96	-119.71	1,286.35	-274.81	1,366.98	1,322.49	44.49	30.722		
4,500.00	4,180.60	4,464.38	4,350.49	28.55	21.61	-120.89	1,305.23	-253.05	1,382.08	1,336.34	45.74	30.216		
4,600.00	4,267.34	4,597.79	4,479.40	29.50	22.36	-122.15	1,325.49	-225.32	1,394.78	1,347.74	47.04	29.652		
4,700.00	4,354.09	4,709.16	4,586.73	30.46	23.00	-123.19	1,341.45	-200.24	1,405.97	1,357.77	48.20	29.170		
4,800.00	4,440.84	4,801.22	4,675.34	31.42	23.53	-124.01	1,355.05	-179.33	1,417.49	1,368.23	49.26	28.773		
4,900.00	4,527.58	4,908.51	4,778.68	32.39	24.16	-124.97	1,370.53	-155.01	1,429.33	1,378.96	50.38	28.373		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,614.33	5,004.39	4,870.88	33.35	24.72	-125.81	1,384.27	-132.54	1,440.72	1,389.30	51.43	28.015		
5,100.00	4,701.08	5,081.59	4,945.19	34.31	25.16	-126.48	1,395.66	-115.03	1,453.28	1,400.91	52.38	27.747		
5,200.00	4,787.82	5,157.73	5,018.78	35.28	25.60	-127.13	1,406.85	-98.99	1,467.65	1,414.36	53.29	27.541		
5,300.00	4,874.57	5,249.62	5,107.57	36.25	26.11	-127.88	1,421.47	-80.37	1,483.33	1,429.05	54.28	27.328		
5,400.00	4,961.32	5,341.62	5,196.70	37.21	26.62	-128.66	1,434.63	-61.75	1,499.06	1,443.84	55.23	27.143		
5,500.00	5,048.07	5,419.58	5,272.44	38.18	27.04	-129.34	1,445.54	-46.90	1,516.18	1,460.11	56.07	27.039		
5,600.00	5,134.81	5,530.65	5,380.40	39.15	27.64	-130.26	1,461.63	-26.35	1,534.30	1,477.20	57.10	26.872		
5,700.00	5,221.56	5,650.74	5,496.50	40.12	28.31	-131.19	1,479.61	-1.47	1,550.47	1,492.30	58.17	26.652		
5,800.00	5,308.31	5,732.49	5,575.73	41.09	28.75	-131.85	1,490.68	15.32	1,566.99	1,507.98	59.01	26.554		
5,900.00	5,395.05	5,817.05	5,657.90	42.06	29.21	-132.54	1,501.83	31.90	1,584.65	1,524.81	59.84	26.483		
6,000.00	5,481.80	5,945.83	5,782.82	43.03	29.91	-133.55	1,519.01	58.01	1,601.97	1,541.09	60.88	26.315		
6,100.00	5,568.55	6,046.15	5,879.97	44.00	30.47	-134.33	1,531.96	79.48	1,618.43	1,556.67	61.76	26.203		
6,200.00	5,655.30	6,136.05	5,966.92	44.97	30.97	-135.00	1,544.09	98.84	1,635.09	1,572.49	62.60	26.119		
6,300.00	5,742.04	6,218.60	6,047.05	45.94	31.42	-135.64	1,554.30	115.81	1,652.86	1,589.49	63.37	26.082		
6,400.00	5,828.79	6,307.54	6,133.33	46.92	31.91	-136.28	1,566.25	133.81	1,671.31	1,607.13	64.18	26.042		
6,500.00	5,915.54	6,404.09	6,227.00	47.89	32.43	-136.94	1,580.02	152.71	1,690.67	1,625.63	65.04	25.996		
6,600.00	6,002.28	6,522.43	6,341.34	48.86	33.10	-137.69	1,597.81	177.48	1,708.87	1,642.84	66.03	25.880		
6,700.00	6,089.03	6,595.36	6,411.86	49.83	33.50	-138.15	1,608.56	192.67	1,727.48	1,660.73	66.76	25.877		
6,800.00	6,175.78	6,733.10	6,545.41	50.81	34.26	-139.05	1,627.56	220.43	1,747.27	1,679.47	67.79	25.773		
6,900.00	6,262.53	6,809.52	6,618.98	51.78	34.71	-139.47	1,640.17	236.81	1,765.56	1,696.98	68.58	25.745		
7,000.00	6,349.27	7,170.00	6,961.92	52.76	36.78	-142.24	1,670.22	333.01	1,782.23	1,712.62	69.61	25.602		
7,100.00	6,436.02	7,216.23	7,004.00	53.73	36.94	-143.04	1,658.96	348.46	1,788.26	1,718.30	69.97	25.559		
7,200.00	6,522.77	7,260.00	7,043.69	54.71	37.09	-143.87	1,645.47	360.99	1,798.82	1,728.60	70.22	25.618		
7,300.00	6,609.51	7,260.00	7,043.69	55.68	37.09	-143.87	1,645.47	360.99	1,813.38	1,742.69	70.69	25.653		
7,400.00	6,696.26	7,296.23	7,076.45	56.66	37.15	-144.60	1,632.71	369.75	1,832.16	1,761.43	70.73	25.903		
7,500.00	6,783.01	7,319.83	7,097.79	57.63	37.19	-145.08	1,623.91	374.64	1,855.29	1,784.53	70.76	26.221		
7,600.00	6,869.76	7,349.00	7,124.14	58.61	37.24	-145.68	1,612.51	379.79	1,882.57	1,811.93	70.64	26.650		
7,683.49	6,942.18	7,349.00	7,124.14	59.42	37.24	-145.68	1,612.51	379.79	1,908.47	1,837.89	70.58	27.041		
7,700.00	6,956.57	7,371.55	7,144.42	59.58	37.26	-149.16	1,603.26	383.24	1,913.67	1,843.22	70.46	27.161		
7,750.00	7,000.85	7,387.98	7,159.09	60.04	37.27	-159.62	1,596.23	385.56	1,930.43	1,860.10	70.33	27.449		
7,800.00	7,045.94	7,405.05	7,174.23	60.46	37.28	-171.58	1,588.69	387.81	1,947.71	1,877.51	70.20	27.745		
7,850.00	7,091.49	7,438.00	7,203.18	60.84	37.30	175.19	1,573.43	391.67	1,965.46	1,895.45	70.01	28.073		
7,900.00	7,137.15	7,443.64	7,208.09	61.17	37.30	162.08	1,570.73	392.27	1,983.08	1,913.14	69.93	28.357		
7,950.00	7,182.58	7,481.96	7,241.11	61.44	37.31	149.25	1,551.74	396.40	2,000.52	1,930.78	69.73	28.688		
8,000.00	7,227.43	7,520.78	7,273.90	61.67	37.31	137.83	1,531.39	400.61	2,017.31	1,947.77	69.54	29.010		
8,050.00	7,271.36	7,578.59	7,321.13	61.84	37.30	127.94	1,498.73	407.26	2,033.10	1,963.84	69.25	29.358		
8,100.00	7,314.04	7,629.47	7,360.67	61.96	37.29	119.75	1,467.39	413.78	2,047.46	1,978.48	68.98	29.680		
8,150.00	7,355.14	7,664.12	7,386.31	62.04	37.27	113.08	1,444.54	418.32	2,060.72	1,991.92	68.80	29.952		
8,200.00	7,394.34	7,698.85	7,410.84	62.07	37.26	107.60	1,420.38	422.84	2,072.86	2,004.24	68.62	30.208		
8,250.00	7,431.36	7,729.16	7,431.23	62.06	37.23	103.11	1,398.31	426.72	2,083.83	2,015.36	68.48	30.431		
8,300.00	7,465.90	7,758.57	7,450.04	62.01	37.20	99.42	1,375.99	430.34	2,093.64	2,025.28	68.35	30.630		
8,350.00	7,497.71	7,794.00	7,471.35	61.93	37.17	96.40	1,348.00	434.52	2,102.20	2,034.01	68.20	30.826		
8,400.00	7,526.53	7,794.00	7,471.35	61.81	37.17	93.96	1,348.00	434.52	2,109.65	2,041.32	68.34	30.871		
8,450.00	7,552.17	7,794.00	7,471.35	61.66	37.17	91.92	1,348.00	434.52	2,116.44	2,047.92	68.52	30.888		
8,500.00	7,574.41	7,831.38	7,491.97	61.48	37.10	90.41	1,317.04	438.03	2,121.29	2,052.87	68.42	31.002		
8,550.00	7,593.09	7,844.67	7,498.78	61.29	37.08	89.19	1,305.66	438.91	2,125.60	2,057.04	68.56	31.002		
8,600.00	7,608.07	7,883.00	7,516.80	61.07	37.01	88.45	1,271.86	440.32	2,129.38	2,060.89	68.49	31.089		
8,650.00	7,619.23	7,883.00	7,516.80	60.84	37.01	87.82	1,271.86	440.32	2,131.12	2,062.29	68.84	30.959		
8,700.00	7,626.48	7,887.31	7,518.68	60.60	37.00	87.47	1,267.99	440.39	2,132.08	2,062.89	69.19	30.817		
8,750.00	7,629.78	7,942.23	7,541.33	60.35	36.88	87.90	1,217.97	441.44	2,131.56	2,062.52	69.04	30.875		
8,766.45	7,630.00	7,960.37	7,548.27	60.27	36.84	88.12	1,201.21	441.86	2,130.96	2,061.96	68.99	30.887		
8,800.00	7,630.00	7,973.00	7,552.94	60.10	36.81	88.25	1,189.49	442.18	2,129.63	2,060.47	69.16	30.793		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
8,900.00	7,630.00	8,028.25	7,572.33	59.61	36.68	88.77	1,137.76	442.86	2,127.24	2,057.73	69.50	30.606		
8,927.62	7,630.00	8,040.91	7,576.56	59.48	36.66	88.88	1,125.82	442.81	2,127.07	2,057.43	69.63	30.547		
9,000.00	7,630.00	8,088.96	7,591.89	59.15	36.55	89.30	1,080.30	442.09	2,127.49	2,057.68	69.80	30.478		
9,100.00	7,630.00	8,184.94	7,619.42	58.71	36.35	90.04	988.38	440.60	2,128.61	2,058.79	69.82	30.488		
9,200.00	7,630.00	8,281.58	7,637.14	58.30	36.17	90.51	893.44	438.82	2,130.22	2,060.37	69.85	30.498		
9,300.00	7,630.00	8,376.66	7,646.29	57.91	36.03	90.76	798.84	437.10	2,131.82	2,061.87	69.95	30.475		
9,400.00	7,630.00	8,512.03	7,657.09	57.54	35.94	91.05	663.92	434.79	2,133.48	2,063.46	70.02	30.468		
9,500.00	7,630.00	8,663.44	7,660.10	57.19	36.04	91.13	512.59	436.62	2,131.70	2,061.34	70.36	30.296		
9,600.00	7,630.00	8,760.88	7,660.36	56.87	36.26	91.14	415.16	438.37	2,129.57	2,058.55	71.02	29.985		
9,700.00	7,630.00	8,863.55	7,660.57	56.57	36.62	91.15	312.51	440.19	2,127.47	2,055.62	71.85	29.610		
9,800.00	7,630.00	8,970.86	7,660.41	56.30	37.16	91.14	205.23	442.45	2,125.01	2,052.14	72.88	29.159		
9,900.00	7,630.00	9,063.84	7,660.36	56.05	37.75	91.14	112.26	444.23	2,122.76	2,048.78	73.98	28.694		
10,000.00	7,630.00	9,170.48	7,660.21	55.82	38.55	91.14	5.65	446.52	2,120.26	2,044.94	75.32	28.149		
10,100.00	7,630.00	9,266.77	7,660.13	55.63	39.38	91.14	-90.62	448.49	2,117.88	2,041.16	76.72	27.607		
10,200.00	7,630.00	9,379.61	7,660.12	55.46	40.44	91.14	-203.44	450.96	2,115.36	2,036.94	78.43	26.972		
10,300.00	7,630.00	9,487.16	7,659.13	55.32	41.55	91.12	-310.94	454.00	2,112.18	2,031.96	80.22	26.330		
10,400.00	7,630.00	9,551.84	7,657.57	55.22	42.25	91.07	-375.59	455.35	2,109.71	2,028.21	81.50	25.884		
10,500.00	7,630.00	9,625.17	7,656.28	55.15	43.05	91.04	-448.89	455.74	2,108.79	2,025.84	82.95	25.422		
10,536.12	7,630.00	9,653.49	7,656.57	55.14	43.37	91.05	-477.22	455.70	2,108.72	2,025.20	83.53	25.246		
10,600.00	7,630.00	9,720.05	7,658.25	55.14	44.12	91.09	-543.75	455.49	2,108.74	2,023.90	84.84	24.856		
10,695.86	7,630.00	9,813.29	7,660.69	55.17	45.22	91.16	-636.96	455.39	2,108.58	2,021.81	86.77	24.300		
10,700.00	7,630.00	9,817.03	7,660.78	55.18	45.26	91.16	-640.70	455.37	2,108.58	2,021.73	86.85	24.278		
10,800.00	7,630.00	9,938.51	7,663.52	55.28	46.74	91.24	-762.14	455.40	2,108.30	2,018.88	89.43	23.576		
10,900.00	7,630.00	10,071.41	7,666.87	55.47	48.44	91.33	-894.99	457.50	2,106.42	2,014.03	92.39	22.799		
11,000.00	7,630.00	10,202.24	7,669.84	55.74	50.17	91.41	-1,025.73	461.37	2,103.20	2,007.74	95.45	22.034		
11,100.00	7,630.00	10,243.07	7,670.32	56.11	50.72	91.43	-1,066.55	462.26	2,100.63	2,004.07	96.56	21.755		
11,144.66	7,630.00	10,262.31	7,670.36	56.31	50.98	91.43	-1,085.78	462.31	2,100.36	2,003.29	97.07	21.638		
11,200.00	7,630.00	10,288.00	7,670.22	56.60	51.32	91.42	-1,111.47	462.01	2,100.78	2,003.06	97.72	21.498		
11,300.00	7,630.00	10,424.85	7,668.30	57.20	53.18	91.37	-1,248.30	460.82	2,101.26	2,000.19	101.07	20.790		
11,400.00	7,630.00	10,564.79	7,664.94	57.91	55.13	91.28	-1,388.19	461.93	2,100.12	1,995.51	104.61	20.076		
11,500.00	7,630.00	10,646.31	7,662.58	58.72	56.30	91.22	-1,469.67	462.97	2,098.43	1,991.67	106.76	19.655		
11,600.00	7,630.00	10,755.47	7,659.02	59.63	57.88	91.12	-1,578.75	464.80	2,096.30	1,986.64	109.66	19.116		
11,700.00	7,630.00	10,823.00	7,656.65	60.61	58.86	91.06	-1,646.24	464.76	2,095.74	1,984.25	111.49	18.797		
11,705.11	7,630.00	10,823.00	7,656.65	60.66	58.86	91.06	-1,646.24	464.76	2,095.74	1,984.24	111.49	18.797		
11,800.00	7,630.00	10,929.08	7,652.72	61.67	60.40	90.95	-1,752.24	464.10	2,096.00	1,981.61	114.39	18.324		
11,900.00	7,630.00	11,025.99	7,648.88	62.78	61.84	90.84	-1,849.07	464.44	2,095.25	1,978.18	117.07	17.898		
11,922.64	7,630.00	11,040.70	7,648.21	63.04	62.06	90.83	-1,863.77	464.41	2,095.21	1,977.73	117.48	17.835		
12,000.00	7,630.00	11,091.89	7,645.65	63.95	62.82	90.76	-1,914.89	463.87	2,095.71	1,976.83	118.88	17.628		
12,100.00	7,630.00	11,221.27	7,638.38	65.16	64.76	90.56	-2,044.06	462.61	2,096.29	1,973.75	122.54	17.106		
12,187.26	7,630.00	11,305.76	7,633.15	66.24	66.04	90.41	-2,128.40	462.61	2,095.96	1,971.02	124.95	16.775		
12,200.00	7,630.00	11,314.88	7,632.58	66.41	66.18	90.40	-2,137.50	462.56	2,095.97	1,970.77	125.20	16.740		
12,300.00	7,630.00	11,404.37	7,626.94	67.68	67.54	90.24	-2,226.80	461.59	2,096.66	1,968.90	127.76	16.411		
12,400.00	7,630.00	11,494.81	7,621.03	68.99	68.92	90.08	-2,317.04	460.67	2,097.35	1,966.98	130.36	16.088		
12,500.00	7,630.00	11,573.13	7,615.65	70.33	70.12	89.94	-2,395.16	459.06	2,099.06	1,966.46	132.60	15.830		
12,600.00	7,630.00	11,676.61	7,610.83	71.68	71.72	89.80	-2,498.49	456.23	2,101.49	1,965.82	135.66	15.491		
12,700.00	7,630.00	11,807.67	7,604.78	73.06	73.75	89.64	-2,629.39	454.18	2,102.72	1,963.09	139.64	15.059		
12,800.00	7,630.00	11,928.81	7,599.02	74.45	75.66	89.48	-2,750.39	453.66	2,102.87	1,959.54	143.33	14.672		
12,891.11	7,630.00	12,010.72	7,593.30	75.74	76.96	89.38	-2,832.21	453.97	2,102.30	1,956.49	145.81	14.418		
12,900.00	7,630.00	12,015.77	7,595.06	75.87	77.04	89.37	-2,837.26	453.95	2,102.31	1,956.35	145.95	14.404		
13,000.00	7,630.00	12,074.95	7,591.88	77.29	77.98	89.29	-2,896.35	453.05	2,103.51	1,955.85	147.66	14.246		
13,100.00	7,630.00	12,200.83	7,584.03	78.74	79.97	89.08	-3,021.96	451.05	2,104.82	1,953.25	151.57	13.887		
13,200.00	7,630.00	12,302.76	7,578.15	80.19	81.60	88.92	-3,123.72	449.94	2,105.67	1,950.96	154.71	13.611		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
13,300.00	7,630.00	12,419.16	7,574.47	81.66	83.47	88.82	-3,240.04	448.98	2,106.24	1,947.86	158.38	13.298		
13,400.00	7,630.00	12,539.20	7,573.44	83.14	85.41	88.79	-3,360.08	449.15	2,105.77	1,943.55	162.23	12.980		
13,500.00	7,630.00	12,651.44	7,571.98	84.63	87.24	88.75	-3,472.31	450.15	2,104.58	1,938.75	165.83	12.691		
13,600.00	7,630.00	12,732.35	7,570.93	86.14	88.56	88.72	-3,553.20	451.01	2,103.27	1,934.89	168.38	12.491		
13,631.70	7,630.00	12,751.95	7,570.63	86.62	88.88	88.71	-3,572.80	451.01	2,103.18	1,934.19	168.98	12.446		
13,700.00	7,630.00	12,798.43	7,569.87	87.65	89.64	88.69	-3,619.28	450.58	2,103.58	1,933.17	170.41	12.344		
13,800.00	7,630.00	12,887.49	7,569.43	89.17	91.09	88.68	-3,708.32	449.06	2,104.96	1,931.72	173.24	12.151		
13,900.00	7,630.00	12,999.31	7,569.49	90.70	92.91	88.68	-3,820.12	447.25	2,106.23	1,929.33	176.90	11.907		
14,000.00	7,630.00	13,127.12	7,569.17	92.24	95.01	88.67	-3,947.93	446.22	2,106.74	1,925.62	181.13	11.631		
14,100.00	7,630.00	13,238.40	7,569.67	93.78	96.85	88.69	-4,059.21	446.56	2,106.09	1,921.29	184.80	11.397		
14,150.28	7,630.00	13,270.56	7,570.25	94.56	97.38	88.70	-4,091.36	446.53	2,105.92	1,920.10	185.81	11.334		
14,200.00	7,630.00	13,305.60	7,571.24	95.33	97.96	88.73	-4,126.38	446.27	2,106.09	1,919.17	186.92	11.267		
14,300.00	7,630.00	13,419.84	7,575.64	96.89	99.85	88.85	-4,240.53	445.18	2,106.65	1,915.89	190.76	11.043		
14,393.74	7,630.00	13,514.16	7,579.58	98.36	101.42	88.95	-4,334.77	445.19	2,106.25	1,912.34	193.91	10.862		
14,400.00	7,630.00	13,517.24	7,579.70	98.46	101.47	88.96	-4,337.85	445.18	2,106.25	1,912.25	194.00	10.857		
14,500.00	7,630.00	13,566.56	7,581.19	100.03	102.29	89.00	-4,387.13	444.32	2,107.61	1,912.17	195.44	10.784		
14,600.00	7,630.00	13,649.91	7,582.65	101.61	103.66	89.04	-4,470.41	441.25	2,110.86	1,912.76	198.10	10.655		
14,700.00	7,630.00	13,767.69	7,584.31	103.20	105.60	89.09	-4,588.12	437.30	2,113.87	1,911.77	202.10	10.459		
14,800.00	7,630.00	13,886.72	7,584.31	104.78	107.58	89.09	-4,707.11	434.29	2,116.08	1,909.95	206.13	10.266		
14,900.00	7,630.00	14,039.85	7,581.29	106.38	110.14	89.01	-4,860.20	433.25	2,116.48	1,905.10	211.38	10.013		
14,932.24	7,630.00	14,052.95	7,580.95	106.90	110.36	89.00	-4,873.29	433.22	2,116.39	1,904.62	211.76	9.994		
15,000.00	7,630.00	14,092.18	7,579.99	107.98	111.02	88.97	-4,912.51	432.84	2,116.84	1,903.89	212.95	9.940		
15,100.00	7,630.00	14,197.70	7,577.82	109.58	112.78	88.91	-5,017.99	430.70	2,118.60	1,902.13	216.47	9.787		
15,200.00	7,630.00	14,279.10	7,576.96	111.19	114.15	88.89	-5,099.37	429.32	2,120.01	1,900.91	219.10	9.676		
15,300.00	7,630.00	14,389.55	7,577.64	112.81	116.00	88.91	-5,209.79	426.83	2,121.93	1,899.08	222.85	9.522		
15,400.00	7,630.00	14,454.76	7,578.17	114.42	117.09	88.93	-5,274.97	425.08	2,124.25	1,899.40	224.85	9.447		
15,500.00	7,630.00	14,567.62	7,579.95	116.05	118.97	88.97	-5,387.75	421.15	2,127.40	1,898.68	228.73	9.301		
15,600.00	7,630.00	14,705.69	7,580.43	117.67	121.30	88.99	-5,525.78	418.38	2,129.09	1,895.53	233.56	9.116		
15,700.00	7,630.00	14,827.44	7,578.87	119.30	123.36	88.95	-5,647.52	417.90	2,129.14	1,891.41	237.73	8.956		
15,800.00	7,630.00	14,986.82	7,578.91	120.93	126.08	88.95	-5,806.87	420.18	2,127.34	1,884.11	243.23	8.746		
15,900.00	7,630.00	15,100.99	7,579.66	122.57	128.05	88.96	-5,920.98	424.00	2,123.61	1,876.49	247.12	8.593		
16,000.00	7,630.00	15,199.99	7,580.10	124.21	129.75	88.97	-6,019.92	427.35	2,119.88	1,869.38	250.50	8.463		
16,100.00	7,630.00	15,314.13	7,580.41	125.85	131.72	88.98	-6,133.98	431.65	2,115.76	1,861.38	254.38	8.317		
16,200.00	7,630.00	15,404.20	7,580.50	127.50	133.28	88.98	-6,223.99	435.04	2,111.66	1,854.19	257.47	8.202		
16,300.00	7,630.00	15,507.40	7,580.50	129.15	135.06	88.98	-6,327.12	438.90	2,107.58	1,846.58	260.99	8.075		
16,400.00	7,630.00	15,609.02	7,580.17	130.80	136.82	88.97	-6,428.67	442.62	2,103.59	1,839.12	264.47	7.954		
16,500.00	7,630.00	15,691.52	7,580.69	132.46	138.24	88.98	-6,511.11	445.44	2,099.83	1,832.53	267.30	7.856		
16,600.00	7,630.00	15,759.66	7,582.70	134.11	139.42	89.04	-6,579.20	447.11	2,097.07	1,827.46	269.61	7.778		
16,700.00	7,630.00	15,825.00	7,586.00	135.77	140.54	89.13	-6,644.46	447.07	2,096.49	1,824.73	271.76	7.714		
16,703.35	7,630.00	15,825.00	7,586.00	135.83	140.54	89.13	-6,644.46	447.07	2,096.49	1,824.74	271.75	7.715		
16,800.00	7,630.00	15,870.00	7,588.80	137.43	141.31	89.20	-6,689.36	446.15	2,097.86	1,824.85	273.00	7.684		
16,900.00	7,630.00	15,943.53	7,592.61	139.10	142.56	89.31	-6,762.75	443.69	2,100.84	1,825.52	275.33	7.630		
17,000.00	7,630.00	16,039.44	7,595.96	140.77	144.18	89.40	-6,858.51	439.52	2,104.81	1,826.23	278.59	7.555		
17,100.00	7,630.00	16,125.44	7,598.56	142.44	145.63	89.47	-6,944.37	435.58	2,109.03	1,827.63	281.41	7.495		
17,200.00	7,630.00	16,223.16	7,601.12	144.11	147.29	89.54	-7,041.94	430.66	2,113.71	1,828.98	284.74	7.423		
17,300.00	7,630.00	16,335.92	7,603.90	145.78	149.20	89.62	-7,154.54	425.37	2,118.05	1,829.32	288.73	7.336		
17,400.00	7,630.00	16,434.64	7,606.08	147.46	150.87	89.68	-7,253.14	420.98	2,122.14	1,830.03	292.11	7.265		
17,500.00	7,630.00	16,533.72	7,607.57	149.13	152.55	89.72	-7,352.10	416.48	2,126.34	1,830.84	295.50	7.196		
17,600.00	7,630.00	16,631.93	7,608.29	150.81	154.22	89.74	-7,450.21	412.06	2,130.50	1,831.66	298.85	7.129		
17,700.00	7,630.00	16,728.91	7,608.26	152.49	155.87	89.74	-7,547.09	407.50	2,134.87	1,832.73	302.14	7.066		
17,800.00	7,630.00	16,829.20	7,609.16	154.18	157.57	89.76	-7,647.25	402.75	2,139.26	1,833.68	305.58	7.001		
17,900.00	7,630.00	17,023.83	7,623.19	155.86	160.91	90.14	-7,841.30	399.24	2,140.06	1,827.04	313.03	6.837		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<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		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
18,000.00	7,630.00	17,164.43	7,632.84	157.55	163.35	90.40	-7,981.56	399.95	2,139.31	1,821.25	318.05	6.726	
18,100.00	7,630.00	17,282.80	7,639.00	159.24	165.41	90.56	-8,099.74	402.61	2,136.72	1,814.52	322.20	6.632	
18,200.00	7,630.00	17,408.08	7,644.47	160.92	167.60	90.71	-8,224.84	406.59	2,133.23	1,806.66	326.57	6.532	
18,300.00	7,630.00	17,513.89	7,648.29	162.62	169.45	90.82	-8,330.51	410.45	2,129.30	1,799.05	330.25	6.447	
18,400.00	7,630.00	17,583.00	7,650.55	164.31	170.66	90.88	-8,399.52	413.20	2,125.27	1,792.59	332.68	6.388 SF	
18,458.39	7,630.00	17,583.00	7,650.55	165.30	170.66	90.88	-8,399.52	413.20	2,124.46	1,791.93	332.54	6.389	



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	-51.28	786.52	-981.10	1,257.50				
100.00	100.00	88.67	88.67	0.13	0.15	-51.28	786.56	-981.03	1,257.42	1,257.14	0.28	4,461.397	
200.00	200.00	189.43	189.43	0.49	0.32	-51.27	786.71	-980.81	1,257.34	1,256.53	0.81	1,556.445	
300.00	300.00	290.19	290.19	0.85	0.48	-51.25	786.96	-980.42	1,257.19	1,255.86	1.33	942.561	
400.00	400.00	390.21	390.21	1.21	0.78	-51.23	787.12	-980.06	1,257.01	1,255.02	1.99	632.152	
500.00	500.00	489.95	489.94	1.57	1.12	-51.25	786.66	-980.21	1,256.84	1,254.15	2.69	466.856	
600.00	600.00	591.82	591.81	1.93	1.48	-51.31	785.54	-980.92	1,256.70	1,253.29	3.40	369.247	
700.00	700.00	729.77	729.68	2.29	1.97	-51.22	785.27	-977.39	1,254.46	1,250.21	4.25	295.397	
800.00	800.00	865.54	864.93	2.64	2.46	-50.76	789.12	-966.32	1,249.96	1,244.87	5.09	245.567	
900.00	900.00	967.76	966.07	3.00	2.85	-50.15	795.35	-953.07	1,243.79	1,237.96	5.83	213.192	
1,000.00	1,000.00	1,064.82	1,061.23	3.36	3.25	-49.31	805.44	-936.88	1,237.68	1,231.09	6.59	187.888	
1,100.00	1,100.00	1,159.99	1,153.35	3.72	3.69	-48.23	819.55	-917.61	1,232.05	1,224.68	7.37	167.065	
1,200.00	1,199.98	1,244.79	1,234.81	4.07	4.10	-98.37	834.11	-899.08	1,227.55	1,219.41	8.15	150.712	
1,300.00	1,299.84	1,380.98	1,365.84	4.43	4.80	-97.06	856.82	-869.78	1,224.22	1,215.03	9.19	133.218	
1,400.00	1,399.45	1,482.55	1,462.51	4.79	5.38	-96.13	874.20	-843.95	1,218.90	1,208.78	10.12	120.430	
1,500.00	1,498.70	1,564.43	1,540.01	5.15	5.86	-95.44	889.42	-822.34	1,214.67	1,203.70	10.98	110.662	
1,600.00	1,597.47	1,635.00	1,606.72	5.53	6.29	-94.89	903.89	-804.45	1,213.07	1,201.28	11.79	102.925	
1,700.00	1,695.62	1,739.55	1,705.95	5.93	6.92	-94.26	925.38	-779.48	1,213.03	1,200.22	12.81	94.669	
1,800.00	1,793.06	1,896.49	1,855.78	6.35	7.86	-93.77	952.57	-741.59	1,210.98	1,196.83	14.15	85.568	
1,900.00	1,889.64	2,023.40	1,977.36	6.79	8.60	-93.78	968.90	-709.12	1,204.65	1,189.33	15.32	78.639	
2,000.00	1,985.27	2,108.72	2,059.39	7.27	9.10	-94.01	979.10	-687.98	1,198.57	1,182.28	16.29	73.578	
2,100.00	2,079.82	2,213.23	2,159.95	7.79	9.70	-94.44	992.54	-662.91	1,193.99	1,176.59	17.40	68.638	
2,200.00	2,173.17	2,322.44	2,264.75	8.36	10.34	-95.05	1,005.25	-634.92	1,187.60	1,169.03	18.57	63.959	
2,300.00	2,265.21	2,396.75	2,336.29	8.97	10.77	-95.64	1,014.09	-616.88	1,182.88	1,163.28	19.60	60.351	
2,400.00	2,355.84	2,468.14	2,405.33	9.64	11.17	-96.32	1,023.35	-601.23	1,181.05	1,160.40	20.65	57.199	
2,415.80	2,370.03	2,479.87	2,416.67	9.75	11.24	-96.43	1,024.98	-598.76	1,181.02	1,160.19	20.82	56.719 CC, ES	
2,500.00	2,444.94	2,543.38	2,478.16	10.36	11.59	-97.09	1,034.21	-585.81	1,181.95	1,160.20	21.75	54.344	
2,591.69	2,525.19	2,629.87	2,562.00	11.07	12.06	-98.09	1,047.48	-569.22	1,184.98	1,162.08	22.90	51.752	
2,600.00	2,532.40	2,642.26	2,573.96	11.14	12.13	-98.25	1,049.44	-566.68	1,185.24	1,162.21	23.03	51.467	
2,700.00	2,619.15	2,778.90	2,704.84	11.96	12.95	-99.76	1,071.76	-534.45	1,186.73	1,162.14	24.59	48.263	
2,800.00	2,705.89	2,849.95	2,772.91	12.81	13.37	-100.54	1,083.17	-517.59	1,188.37	1,162.57	25.80	46.062	
2,900.00	2,792.64	2,991.33	2,909.06	13.67	14.19	-102.25	1,102.52	-484.84	1,189.42	1,162.06	27.35	43.486	
2,957.67	2,842.67	3,052.18	2,967.65	14.18	14.55	-103.01	1,109.79	-470.09	1,189.23	1,161.09	28.14	42.265	
3,000.00	2,879.39	3,083.71	2,997.93	14.55	14.74	-103.38	1,113.89	-462.35	1,189.35	1,160.69	28.66	41.497	
3,100.00	2,966.14	3,161.17	3,072.14	15.44	15.20	-104.25	1,125.22	-443.22	1,190.91	1,161.00	29.91	39.820	
3,200.00	3,052.88	3,239.59	3,147.70	16.34	15.66	-105.19	1,136.77	-425.76	1,194.83	1,163.69	31.14	38.370	
3,300.00	3,139.63	3,377.71	3,280.67	17.25	16.46	-106.81	1,156.71	-394.19	1,198.93	1,166.27	32.65	36.716	
3,400.00	3,226.38	3,460.03	3,360.07	18.17	16.93	-107.84	1,166.32	-374.70	1,201.21	1,167.35	33.87	35.470	
3,500.00	3,313.12	3,537.60	3,435.39	19.09	17.36	-108.87	1,175.07	-358.39	1,205.96	1,170.94	35.02	34.435	
3,600.00	3,399.87	3,630.13	3,524.82	20.02	17.88	-109.98	1,188.03	-338.44	1,212.25	1,176.00	36.26	33.436	
3,700.00	3,486.62	3,736.80	3,627.30	20.96	18.51	-111.15	1,204.68	-314.00	1,218.69	1,181.11	37.58	32.427	
3,800.00	3,573.37	3,854.80	3,740.52	21.90	19.21	-112.43	1,222.24	-285.76	1,224.34	1,185.39	38.95	31.434	
3,900.00	3,660.11	3,912.80	3,796.60	22.84	19.52	-113.12	1,229.91	-273.11	1,231.37	1,191.41	39.96	30.815	
4,000.00	3,746.86	3,986.77	3,868.86	23.78	19.92	-114.11	1,238.26	-259.71	1,241.38	1,200.40	40.98	30.290	
4,100.00	3,833.61	4,098.74	3,977.95	24.73	20.51	-115.52	1,251.99	-238.55	1,251.84	1,209.66	42.17	29.683	
4,200.00	3,920.35	4,212.96	4,088.05	25.68	21.16	-116.73	1,269.58	-213.83	1,261.65	1,218.21	43.44	29.042	
4,300.00	4,007.10	4,345.53	4,214.32	26.63	21.99	-117.92	1,292.50	-180.61	1,269.34	1,224.48	44.86	28.296	
4,400.00	4,093.85	4,438.70	4,303.52	27.59	22.56	-118.85	1,306.16	-157.45	1,276.67	1,230.66	46.01	27.745	
4,500.00	4,180.60	4,534.21	4,394.96	28.55	23.14	-119.79	1,320.15	-133.67	1,284.35	1,237.19	47.16	27.236	
4,600.00	4,267.34	4,610.84	4,468.23	29.50	23.61	-120.51	1,332.37	-114.84	1,293.17	1,244.97	48.20	26.828	
4,700.00	4,354.09	4,675.00	4,530.01	30.46	23.99	-121.13	1,342.43	-100.77	1,304.64	1,255.51	49.13	26.553	
4,800.00	4,440.84	4,751.23	4,603.82	31.42	24.41	-121.90	1,354.12	-85.77	1,318.47	1,268.40	50.07	26.332	

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,527.58	4,938.95	4,785.51	32.39	25.45	-123.89	1,377.98	-45.24	1,330.36	1,278.88	51.48	25.843		
5,000.00	4,614.33	5,046.19	4,888.54	33.35	26.09	-125.02	1,389.81	-17.94	1,338.40	1,285.91	52.49	25.497		
5,100.00	4,701.08	5,120.00	4,959.51	34.31	26.53	-125.78	1,398.34	0.42	1,347.59	1,294.20	53.39	25.242		
5,200.00	4,787.82	5,190.85	5,027.89	35.28	26.93	-126.50	1,406.96	16.87	1,358.94	1,304.71	54.23	25.057		
5,300.00	4,874.57	5,259.67	5,094.48	36.25	27.32	-127.17	1,416.02	31.67	1,372.56	1,317.52	55.04	24.937		
5,400.00	4,961.32	5,348.64	5,180.81	37.21	27.80	-128.03	1,428.23	49.34	1,388.21	1,332.28	55.93	24.822		
5,500.00	5,048.07	5,458.16	5,286.78	38.18	28.42	-129.01	1,444.05	72.05	1,403.51	1,346.58	56.93	24.652		
5,600.00	5,134.81	5,585.94	5,409.93	39.15	29.16	-130.11	1,462.77	100.48	1,417.74	1,359.71	58.03	24.432		
5,700.00	5,221.56	5,682.13	5,502.43	40.12	29.72	-130.93	1,476.14	123.24	1,430.75	1,371.81	58.94	24.274		
5,800.00	5,308.31	5,750.01	5,567.92	41.09	30.11	-131.51	1,485.72	138.26	1,445.57	1,385.87	59.70	24.214		
5,900.00	5,395.05	5,862.19	5,676.64	42.06	30.74	-132.52	1,499.71	162.10	1,461.42	1,400.81	60.61	24.110		
6,000.00	5,481.80	5,966.27	5,777.12	43.03	31.33	-133.43	1,512.43	186.09	1,475.72	1,414.24	61.48	24.003		
6,100.00	5,568.55	6,040.69	5,848.94	44.00	31.75	-134.02	1,523.09	202.39	1,491.68	1,429.44	62.23	23.969		
6,200.00	5,655.30	6,118.50	5,924.05	44.97	32.19	-134.59	1,535.15	218.74	1,508.95	1,445.94	63.01	23.949		
6,300.00	5,742.04	6,188.00	5,991.52	45.94	32.57	-135.12	1,545.41	231.88	1,528.33	1,464.64	63.69	23.998		
6,400.00	5,828.79	6,318.44	6,118.82	46.92	33.23	-136.31	1,558.45	256.98	1,547.43	1,482.87	64.56	23.969		
6,500.00	5,915.54	6,437.68	6,235.27	47.89	33.83	-137.53	1,565.82	281.53	1,565.48	1,500.24	65.24	23.995		
6,600.00	6,002.28	6,582.29	6,375.29	48.86	34.63	-138.88	1,577.14	315.69	1,580.83	1,514.78	66.05	23.935		
6,700.00	6,089.03	6,657.86	6,447.81	49.83	35.08	-139.40	1,587.56	334.22	1,596.02	1,529.25	66.76	23.905		
6,800.00	6,175.78	6,723.00	6,510.53	50.81	35.46	-139.81	1,597.57	348.66	1,613.56	1,546.12	67.44	23.927		
6,900.00	6,262.53	6,938.76	6,715.51	51.78	36.84	-140.92	1,636.54	403.22	1,628.06	1,559.09	68.97	23.605		
7,000.00	6,349.27	7,169.00	6,931.05	52.76	38.39	-142.79	1,656.71	479.18	1,634.35	1,564.70	69.65	23.467		
7,100.00	6,436.02	7,230.80	6,988.43	53.73	38.73	-143.63	1,651.97	501.57	1,638.73	1,568.65	70.08	23.385		
7,200.00	6,522.77	7,258.00	7,013.78	54.71	38.88	-144.05	1,648.04	510.60	1,647.12	1,576.56	70.56	23.342		
7,300.00	6,609.51	7,293.67	7,047.12	55.68	39.00	-144.66	1,641.14	521.23	1,659.76	1,588.94	70.82	23.437		
7,400.00	6,696.26	7,318.21	7,070.09	56.66	39.09	-145.11	1,635.23	527.51	1,677.08	1,606.08	70.99	23.623		
7,500.00	6,783.01	7,348.00	7,097.92	57.63	39.19	-145.70	1,626.81	533.98	1,699.01	1,628.01	71.00	23.930		
7,600.00	6,869.76	7,348.00	7,097.92	58.61	39.19	-145.70	1,626.81	533.98	1,725.57	1,654.60	70.97	24.313		
7,683.49	6,942.18	7,384.37	7,131.68	59.42	39.24	-146.45	1,614.87	540.30	1,750.57	1,679.85	70.72	24.754		
7,700.00	6,956.57	7,388.13	7,135.15	59.58	39.25	-149.52	1,613.54	540.87	1,755.90	1,685.23	70.67	24.845		
7,750.00	7,000.85	7,399.77	7,145.88	60.04	39.26	-159.88	1,609.32	542.50	1,772.60	1,702.06	70.54	25.129		
7,800.00	7,045.94	7,437.00	7,179.86	60.46	39.31	-172.15	1,594.70	546.59	1,790.58	1,720.24	70.34	25.455		
7,850.00	7,091.49	7,437.00	7,179.86	60.84	39.31	175.12	1,594.70	546.59	1,807.99	1,737.73	70.25	25.736		
7,900.00	7,137.15	7,437.00	7,179.86	61.17	39.31	162.03	1,594.70	546.59	1,826.00	1,755.84	70.16	26.028		
7,950.00	7,182.58	7,437.00	7,179.86	61.44	39.31	149.49	1,594.70	546.59	1,844.46	1,774.40	70.06	26.328		
8,000.00	7,227.43	7,473.10	7,212.41	61.67	39.32	138.01	1,579.33	549.26	1,862.34	1,792.42	69.92	26.634		
8,050.00	7,271.36	7,491.75	7,229.11	61.84	39.32	128.26	1,571.09	550.28	1,880.12	1,810.29	69.84	26.922		
8,100.00	7,314.04	7,526.00	7,259.55	61.96	39.33	120.08	1,555.43	551.48	1,897.61	1,827.85	69.76	27.203		
8,150.00	7,355.14	7,645.01	7,362.29	62.04	39.33	113.43	1,496.01	559.30	1,912.94	1,843.44	69.50	27.525		
8,200.00	7,394.34	7,686.70	7,396.98	62.07	39.33	108.07	1,473.20	563.13	1,925.83	1,856.41	69.42	27.742		
8,250.00	7,431.36	7,724.71	7,427.88	62.06	39.32	103.72	1,451.35	566.62	1,937.41	1,868.04	69.37	27.928		
8,300.00	7,465.90	7,760.16	7,455.66	62.01	39.31	100.17	1,429.56	569.85	1,947.73	1,878.39	69.34	28.089		
8,350.00	7,497.71	7,799.13	7,484.88	61.93	39.30	97.32	1,404.04	573.35	1,956.74	1,887.44	69.30	28.235		
8,400.00	7,526.53	7,877.72	7,538.24	61.81	39.24	95.20	1,347.03	581.62	1,963.78	1,894.80	68.98	28.467		
8,450.00	7,552.17	8,054.50	7,623.35	61.66	39.13	93.29	1,195.90	611.05	1,966.24	1,898.49	67.75	29.022		
8,500.00	7,574.41	8,081.56	7,631.93	61.48	39.10	92.03	1,170.80	616.40	1,966.42	1,898.69	67.73	29.034		
8,550.00	7,593.09	8,104.55	7,638.64	61.29	39.09	91.17	1,149.23	620.64	1,965.49	1,897.72	67.77	29.002		
8,600.00	7,608.07	8,127.57	7,644.82	61.07	39.07	90.67	1,127.40	624.58	1,963.44	1,895.59	67.84	28.941		
8,650.00	7,619.23	8,149.00	7,650.10	60.84	39.07	90.49	1,106.92	627.98	1,960.28	1,892.32	67.96	28.845		
8,700.00	7,626.48	8,149.00	7,650.10	60.60	39.07	90.55	1,106.92	627.98	1,956.38	1,888.06	68.32	28.636		
8,750.00	7,629.78	8,189.22	7,658.93	60.35	39.02	91.05	1,068.07	633.50	1,950.96	1,882.60	68.36	28.539		
8,766.45	7,630.00	8,195.56	7,660.21	60.27	39.01	91.25	1,061.91	634.25	1,949.07	1,880.62	68.44	28.477		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
8,800.00	7,630.00	8,208.51	7,662.71	60.10	39.00	91.32	1,049.29	635.70	1,945.28	1,876.67	68.61	28.351		
8,900.00	7,630.00	8,255.26	7,670.72	59.61	38.96	91.57	1,003.43	639.91	1,936.06	1,867.00	69.07	28.032		
9,000.00	7,630.00	8,327.00	7,681.80	59.15	38.89	91.90	932.74	645.14	1,928.83	1,859.50	69.33	27.822		
9,100.00	7,630.00	8,404.10	7,692.15	58.71	38.84	92.21	856.48	649.74	1,922.95	1,853.32	69.63	27.618		
9,200.00	7,630.00	8,447.82	7,696.87	58.30	38.81	92.36	813.05	651.59	1,918.98	1,848.79	70.19	27.341		
9,271.74	7,630.00	8,474.46	7,699.02	58.01	38.80	92.42	786.51	651.90	1,918.13	1,847.50	70.63	27.158		
9,300.00	7,630.00	8,506.00	7,700.82	57.91	38.79	92.47	755.02	651.44	1,918.57	1,847.93	70.65	27.158		
9,303.23	7,630.00	8,506.00	7,700.82	57.89	38.79	92.47	755.02	651.44	1,918.57	1,847.89	70.67	27.147		
9,400.00	7,630.00	8,528.17	7,701.74	57.54	38.76	92.50	732.89	650.66	1,920.76	1,849.40	71.35	26.919		
9,500.00	7,630.00	8,595.00	7,703.72	57.19	38.73	92.55	666.20	646.81	1,926.05	1,854.26	71.78	26.831		
9,600.00	7,630.00	8,683.73	7,705.74	56.87	38.71	92.61	577.71	640.65	1,932.66	1,860.50	72.17	26.781		
9,700.00	7,630.00	8,803.66	7,708.72	56.57	38.79	92.69	458.02	633.71	1,938.20	1,865.56	72.63	26.684		
9,800.00	7,630.00	9,013.81	7,715.75	56.30	39.31	92.89	248.12	627.70	1,941.30	1,867.62	73.68	26.347		
9,900.00	7,630.00	9,109.75	7,716.42	56.05	39.74	92.91	152.18	628.11	1,940.59	1,865.86	74.73	25.968		
9,932.76	7,630.00	9,136.37	7,716.59	55.97	39.88	92.91	125.56	628.07	1,940.53	1,865.46	75.07	25.849		
10,000.00	7,630.00	9,188.78	7,717.03	55.82	40.16	92.92	73.16	627.71	1,940.79	1,865.02	75.77	25.613		
10,100.00	7,630.00	9,328.02	7,719.02	55.63	41.07	92.98	-66.06	626.93	1,941.31	1,863.82	77.49	25.052		
10,200.00	7,630.00	9,476.76	7,719.11	55.46	42.30	92.99	-214.73	631.19	1,937.78	1,858.15	79.63	24.335		
10,300.00	7,630.00	9,601.93	7,717.85	55.32	43.49	92.96	-339.79	636.28	1,933.33	1,851.61	81.72	23.658		
10,400.00	7,630.00	9,708.26	7,716.16	55.22	44.60	92.92	-445.98	641.50	1,928.00	1,844.32	83.68	23.039		
10,500.00	7,630.00	9,787.73	7,714.68	55.15	45.47	92.88	-525.35	645.26	1,922.90	1,837.62	85.27	22.549		
10,600.00	7,630.00	9,858.20	7,714.49	55.14	46.26	92.88	-595.78	647.39	1,919.47	1,832.72	86.75	22.126		
10,700.00	7,630.00	9,931.00	7,714.64	55.18	47.10	92.89	-668.55	649.36	1,916.70	1,828.39	88.30	21.706		
10,778.74	7,630.00	9,982.95	7,714.66	55.25	47.69	92.89	-720.50	650.02	1,915.67	1,826.23	89.44	21.419		
10,800.00	7,630.00	9,992.64	7,714.65	55.28	47.80	92.89	-730.19	649.96	1,915.73	1,826.09	89.65	21.370		
10,900.00	7,630.00	10,059.60	7,714.53	55.47	48.58	92.89	-797.13	648.41	1,917.53	1,826.43	91.10	21.048		
11,000.00	7,630.00	10,156.55	7,714.11	55.74	49.72	92.87	-894.04	645.76	1,919.91	1,826.66	93.25	20.590		
11,100.00	7,630.00	10,261.85	7,713.05	56.11	51.00	92.83	-999.29	642.76	1,922.38	1,826.72	95.65	20.097		
11,200.00	7,630.00	10,392.94	7,710.83	56.60	52.66	92.77	-1,130.34	640.26	1,923.89	1,825.11	98.78	19.476		
11,282.08	7,630.00	10,486.41	7,709.63	57.08	53.88	92.73	-1,223.80	639.90	1,923.84	1,822.75	101.09	19.030		
11,300.00	7,630.00	10,498.91	7,709.51	57.20	54.05	92.73	-1,236.30	639.84	1,923.87	1,822.47	101.40	18.974		
11,400.00	7,630.00	10,581.77	7,708.80	57.91	55.15	92.70	-1,319.14	638.64	1,924.87	1,821.41	103.46	18.604		
11,500.00	7,630.00	10,710.61	7,706.67	58.72	56.90	92.64	-1,447.96	637.66	1,925.20	1,818.37	106.82	18.022		
11,600.00	7,630.00	10,805.36	7,703.62	59.63	58.22	92.55	-1,542.66	637.51	1,924.88	1,815.58	109.30	17.611		
11,608.69	7,630.00	10,813.05	7,703.37	59.71	58.33	92.54	-1,550.35	637.48	1,924.88	1,815.38	109.50	17.579		
11,700.00	7,630.00	10,875.74	7,702.04	60.61	59.21	92.50	-1,613.01	636.79	1,925.51	1,814.40	111.11	17.330		
11,800.00	7,630.00	10,949.12	7,702.77	61.67	60.24	92.52	-1,686.37	634.87	1,927.79	1,814.76	113.03	17.055		
11,900.00	7,630.00	11,043.60	7,705.20	62.78	61.57	92.59	-1,780.76	631.60	1,931.01	1,815.38	115.63	16.700		
12,000.00	7,630.00	11,150.78	7,709.14	63.95	63.10	92.70	-1,887.81	628.33	1,933.90	1,815.22	118.68	16.296		
12,100.00	7,630.00	11,323.10	7,714.55	65.16	65.64	92.86	-2,060.02	626.97	1,934.27	1,810.40	123.86	15.616		
12,200.00	7,630.00	11,419.26	7,716.30	66.41	67.08	92.91	-2,156.16	627.59	1,933.38	1,806.72	126.66	15.264		
12,300.00	7,630.00	11,521.46	7,717.68	67.68	68.63	92.96	-2,258.35	628.08	1,932.64	1,802.95	129.68	14.903		
12,400.00	7,630.00	11,624.95	7,718.72	68.99	70.21	92.99	-2,361.84	628.78	1,931.68	1,798.90	132.78	14.548		
12,500.00	7,630.00	11,712.08	7,719.03	70.33	71.54	93.00	-2,448.96	629.12	1,930.97	1,795.63	135.34	14.268		
12,542.60	7,630.00	11,747.41	7,718.99	70.90	72.08	93.00	-2,484.30	629.07	1,930.89	1,794.52	136.37	14.159		
12,600.00	7,630.00	11,794.95	7,718.84	71.68	72.82	92.99	-2,531.83	628.78	1,931.04	1,793.28	137.76	14.017		
12,700.00	7,630.00	11,917.39	7,717.94	73.06	74.71	92.97	-2,654.27	628.56	1,930.82	1,789.26	141.56	13.640		
12,800.00	7,630.00	12,009.95	7,716.60	74.45	76.16	92.93	-2,746.81	628.58	1,930.38	1,786.03	144.35	13.373		
12,900.00	7,630.00	12,119.33	7,714.66	75.87	77.87	92.87	-2,856.18	628.44	1,930.10	1,782.36	147.74	13.064		
13,000.00	7,630.00	12,230.22	7,712.61	77.29	79.63	92.81	-2,967.04	629.28	1,928.91	1,777.69	151.21	12.756		
13,100.00	7,630.00	12,325.70	7,710.49	78.74	81.15	92.75	-3,062.50	630.02	1,927.68	1,773.52	154.16	12.504		
13,173.41	7,630.00	12,378.32	7,709.10	79.81	81.99	92.71	-3,115.11	630.12	1,927.23	1,771.53	155.70	12.378		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
13,200.00	7,630.00	12,396.22	7,708.69	80.19	82.27	92.70	-3,133.00	630.00	1,927.29	1,771.08	156.22	12.337		
13,300.00	7,630.00	12,472.18	7,707.35	81.66	83.48	92.66	-3,208.93	628.76	1,928.47	1,770.01	158.46	12.170		
13,400.00	7,630.00	12,569.71	7,706.91	83.14	85.03	92.64	-3,306.44	626.49	1,930.43	1,768.92	161.51	11.952		
13,500.00	7,630.00	12,703.16	7,708.68	84.63	87.16	92.69	-3,439.86	624.82	1,931.42	1,765.47	165.95	11.638		
13,600.00	7,630.00	12,804.09	7,709.46	86.14	88.79	92.71	-3,540.79	624.01	1,931.91	1,762.73	169.19	11.419		
13,700.00	7,630.00	12,977.48	7,710.51	87.65	91.63	92.75	-3,714.11	628.02	1,928.74	1,753.65	175.09	11.016		
13,800.00	7,630.00	13,049.00	7,710.59	89.17	92.81	92.76	-3,785.61	629.83	1,925.84	1,748.53	177.31	10.861		
13,900.00	7,630.00	13,118.93	7,710.54	90.70	93.96	92.76	-3,855.53	630.53	1,924.45	1,745.01	179.44	10.725		
14,000.00	7,630.00	13,239.48	7,710.38	92.24	95.94	92.75	-3,976.08	631.31	1,923.52	1,740.06	183.46	10.485		
14,072.57	7,630.00	13,277.68	7,710.68	93.36	96.56	92.76	-4,014.28	631.40	1,923.01	1,738.49	184.52	10.422		
14,100.00	7,630.00	13,294.52	7,710.97	93.78	96.84	92.77	-4,031.11	631.31	1,923.08	1,738.08	185.00	10.395		
14,200.00	7,630.00	13,380.24	7,713.41	95.33	98.24	92.84	-4,116.79	630.12	1,924.24	1,736.52	187.72	10.251		
14,300.00	7,630.00	13,487.74	7,716.87	96.89	100.01	92.94	-4,224.23	628.69	1,925.39	1,734.08	191.30	10.064		
14,400.00	7,630.00	13,599.20	7,719.93	98.46	101.85	93.03	-4,335.64	627.70	1,926.10	1,731.04	195.06	9.875		
14,500.00	7,630.00	13,741.35	7,723.53	100.03	104.21	93.14	-4,477.74	628.64	1,925.21	1,725.20	200.01	9.626		
14,600.00	7,630.00	13,853.22	7,726.08	101.61	106.09	93.22	-4,589.56	630.93	1,922.94	1,719.16	203.78	9.436		
14,700.00	7,630.00	13,940.00	7,727.43	103.20	107.55	93.27	-4,676.30	633.10	1,920.27	1,713.66	206.61	9.294		
14,800.00	7,630.00	14,007.55	7,728.16	104.78	108.68	93.29	-4,743.83	633.97	1,918.91	1,710.24	208.67	9.196		
14,900.00	7,630.00	14,158.85	7,729.67	106.38	111.22	93.34	-4,895.09	635.96	1,917.25	1,703.25	213.99	8.959		
15,000.00	7,630.00	14,233.43	7,730.28	107.98	112.48	93.36	-4,969.66	637.31	1,915.14	1,698.78	216.36	8.852		
15,100.00	7,630.00	14,297.00	7,730.67	109.58	113.55	93.37	-5,033.23	637.72	1,914.36	1,696.11	218.24	8.772		
15,111.13	7,630.00	14,312.93	7,730.75	109.76	113.81	93.38	-5,049.16	637.69	1,914.33	1,695.51	218.81	8.749		
15,200.00	7,630.00	14,363.98	7,730.85	111.19	114.66	93.38	-5,100.20	636.92	1,915.37	1,695.18	220.20	8.698		
15,300.00	7,630.00	14,444.28	7,730.74	112.81	116.00	93.37	-5,180.46	634.26	1,918.28	1,695.61	222.68	8.615		
15,400.00	7,630.00	14,571.24	7,730.59	114.42	118.11	93.36	-5,307.35	630.38	1,921.05	1,693.88	227.17	8.457		
15,500.00	7,630.00	14,702.30	7,730.51	116.05	120.31	93.36	-5,438.41	628.87	1,921.81	1,689.99	231.81	8.290		
15,600.00	7,630.00	14,814.23	7,730.19	117.67	122.19	93.35	-5,550.33	628.62	1,921.67	1,686.02	235.66	8.154		
15,700.00	7,630.00	14,944.32	7,729.57	119.30	124.40	93.33	-5,680.42	629.67	1,920.53	1,680.31	240.22	7.995		
15,800.00	7,630.00	15,047.08	7,729.11	120.93	126.15	93.32	-5,783.15	631.87	1,918.01	1,674.30	243.71	7.870		
15,900.00	7,630.00	15,118.19	7,728.69	122.57	127.36	93.31	-5,854.26	632.61	1,916.61	1,670.67	245.94	7.793		
16,000.00	7,630.00	15,219.53	7,728.35	124.21	129.08	93.30	-5,955.59	632.45	1,916.41	1,667.04	249.38	7.685		
16,100.00	7,630.00	15,367.81	7,731.31	125.85	131.62	93.40	-6,103.81	635.52	1,913.99	1,659.31	254.68	7.515		
16,200.00	7,630.00	15,455.39	7,733.13	127.50	133.13	93.45	-6,191.33	637.82	1,911.14	1,653.53	257.61	7.419		
16,300.00	7,630.00	15,557.58	7,735.12	129.15	134.88	93.52	-6,293.48	640.25	1,908.55	1,647.44	261.11	7.309		
16,400.00	7,630.00	15,650.58	7,737.04	130.80	136.48	93.58	-6,386.43	642.60	1,905.83	1,641.58	264.25	7.212		
16,500.00	7,630.00	15,728.89	7,738.66	132.46	137.82	93.63	-6,464.71	643.85	1,904.04	1,637.24	266.80	7.137		
16,591.64	7,630.00	15,797.60	7,740.07	133.97	139.00	93.68	-6,533.40	644.15	1,903.46	1,634.49	268.97	7.077		
16,600.00	7,630.00	15,803.28	7,740.19	134.11	139.10	93.68	-6,539.09	644.14	1,903.47	1,634.32	269.14	7.072		
16,700.00	7,630.00	15,875.00	7,741.59	135.77	140.32	93.72	-6,610.79	643.25	1,904.45	1,633.13	271.32	7.019		
16,800.00	7,630.00	15,935.55	7,742.74	137.43	141.34	93.75	-6,671.30	641.42	1,907.20	1,634.29	272.91	6.988		
16,900.00	7,630.00	16,049.91	7,744.54	139.10	143.27	93.80	-6,785.54	636.76	1,911.10	1,634.12	276.98	6.900		
17,000.00	7,630.00	16,191.34	7,745.37	140.77	145.67	93.82	-6,926.94	633.57	1,913.11	1,630.87	282.24	6.778		
17,100.00	7,630.00	16,303.90	7,745.91	142.44	147.60	93.83	-7,039.49	633.04	1,913.23	1,627.04	286.19	6.685		
17,200.00	7,630.00	16,392.16	7,746.14	144.11	149.10	93.84	-7,127.75	632.42	1,913.62	1,624.52	289.10	6.619		
17,300.00	7,630.00	16,497.01	7,746.46	145.78	150.90	93.85	-7,232.59	631.36	1,914.32	1,621.59	292.73	6.540		
17,400.00	7,630.00	16,595.54	7,746.59	147.46	152.58	93.85	-7,331.12	630.51	1,914.85	1,618.77	296.09	6.467		
17,500.00	7,630.00	16,704.45	7,746.85	149.13	154.45	93.86	-7,440.02	629.85	1,915.13	1,615.24	299.89	6.386		
17,600.00	7,630.00	16,801.58	7,747.15	150.81	156.12	93.87	-7,537.16	629.47	1,915.21	1,612.01	303.20	6.317		
17,700.00	7,630.00	16,894.14	7,747.40	152.49	157.71	93.87	-7,629.71	628.71	1,915.71	1,609.40	306.30	6.254		
17,800.00	7,630.00	16,993.88	7,747.44	154.18	159.42	93.87	-7,729.45	627.74	1,916.35	1,606.63	309.72	6.187		
17,900.00	7,630.00	17,095.28	7,746.99	155.86	161.16	93.86	-7,830.84	626.74	1,916.96	1,603.75	313.21	6.120		
18,000.00	7,630.00	17,195.24	7,746.00	157.55	162.88	93.83	-7,930.79	625.78	1,917.52	1,600.87	316.64	6.056		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<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	
18,100.00	7,630.00	17,310.74	7,744.08	159.24	164.87	93.77	-8,046.27	625.00	1,917.75	1,597.01	320.75	5.979	
18,107.13	7,630.00	17,319.21	7,743.91	159.36	165.01	93.76	-8,054.74	624.99	1,917.73	1,596.69	321.05	5.973	
18,200.00	7,630.00	17,375.38	7,743.39	160.92	165.98	93.75	-8,110.90	624.18	1,918.55	1,595.93	322.63	5.947	
18,300.00	7,630.00	17,493.96	7,743.32	162.62	168.01	93.74	-8,229.46	622.17	1,919.95	1,593.06	326.89	5.873	
18,400.00	7,630.00	17,573.73	7,743.53	164.31	169.38	93.75	-8,309.22	620.80	1,921.30	1,591.87	329.43	5.832	
18,458.39	7,630.00	17,632.62	7,743.66	165.30	170.39	93.75	-8,368.10	619.63	1,922.27	1,590.82	331.46	5.799 SF	



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	-50.99	786.51	-971.02	1,249.65				
100.00	100.00	81.57	81.57	0.13	0.14	-50.99	786.71	-971.13	1,249.82	1,249.55	0.27	4,612.780	
200.00	200.00	174.25	174.25	0.49	0.29	-50.98	787.40	-971.53	1,250.63	1,249.84	0.78	1,595.819	
300.00	300.00	266.93	266.91	0.85	0.45	-50.95	788.59	-972.23	1,252.02	1,250.72	1.30	965.810	
400.00	400.00	361.22	361.18	1.21	0.69	-50.92	790.29	-973.22	1,253.97	1,252.07	1.90	661.592	
500.00	500.00	457.51	457.45	1.57	1.03	-50.89	792.24	-974.47	1,256.25	1,253.65	2.60	483.271	
600.00	600.00	553.80	553.70	1.93	1.38	-50.86	794.36	-975.94	1,258.83	1,255.53	3.30	381.158	
700.00	700.00	673.92	673.74	2.29	1.81	-50.73	798.25	-976.15	1,261.06	1,256.97	4.09	308.406	
800.00	800.00	807.93	807.22	2.64	2.30	-50.20	807.02	-968.49	1,260.81	1,255.87	4.93	255.630	
900.00	900.00	976.72	973.83	3.00	2.95	-49.02	822.13	-946.56	1,256.68	1,250.75	5.94	211.674	
1,000.00	1,000.00	1,159.25	1,150.99	3.36	3.77	-47.20	839.50	-906.51	1,246.23	1,239.15	7.08	175.993	
1,100.00	1,100.00	1,256.09	1,243.61	3.72	4.28	-46.01	849.52	-880.11	1,233.08	1,225.16	7.93	155.572	
1,200.00	1,199.98	1,327.86	1,312.04	4.07	4.67	-96.42	858.30	-860.31	1,221.75	1,213.07	8.67	140.841	
1,300.00	1,299.84	1,413.85	1,394.37	4.43	5.15	-95.68	869.69	-838.28	1,213.24	1,203.73	9.51	127.627	
1,400.00	1,399.45	1,545.57	1,520.05	4.79	5.92	-94.61	886.68	-802.74	1,204.38	1,193.78	10.60	113.655	
1,500.00	1,498.70	1,622.83	1,593.29	5.15	6.39	-94.11	897.20	-780.50	1,195.28	1,183.84	11.44	104.472	
1,600.00	1,597.47	1,692.36	1,659.32	5.53	6.82	-93.73	907.69	-761.42	1,188.66	1,176.40	12.25	97.011	
1,700.00	1,695.62	1,776.31	1,739.37	5.93	7.33	-93.38	921.30	-740.15	1,184.58	1,171.42	13.16	90.013	
1,800.00	1,793.06	1,886.55	1,844.20	6.35	8.00	-93.00	939.89	-711.53	1,180.92	1,166.67	14.25	82.851	
1,900.00	1,889.64	2,007.98	1,959.63	6.79	8.76	-92.82	958.87	-678.95	1,175.98	1,160.54	15.44	76.152	
2,000.00	1,985.27	2,116.81	2,063.46	7.27	9.43	-92.96	973.18	-649.67	1,169.26	1,152.69	16.57	70.553	
2,100.00	2,079.82	2,211.86	2,154.43	7.79	10.01	-93.30	985.71	-625.16	1,163.53	1,145.88	17.65	65.904	
2,200.00	2,173.17	2,306.27	2,244.83	8.36	10.58	-93.80	997.68	-600.69	1,157.63	1,138.86	18.77	61.684	
2,300.00	2,265.21	2,412.05	2,346.54	8.97	11.20	-94.60	1,010.98	-574.87	1,153.01	1,133.04	19.97	57.742	
2,400.00	2,355.84	2,500.80	2,432.00	9.64	11.72	-95.47	1,021.16	-553.20	1,148.07	1,126.95	21.11	54.374	
2,500.00	2,444.94	2,583.33	2,511.85	10.36	12.18	-96.44	1,030.75	-534.68	1,145.22	1,122.97	22.26	51.454	
2,562.10	2,499.45	2,628.87	2,556.08	10.84	12.42	-97.05	1,036.03	-525.20	1,144.61	1,121.66	22.95	49.871	CC
2,591.69	2,525.19	2,649.54	2,576.21	11.07	12.53	-97.34	1,038.45	-521.18	1,144.76	1,121.48	23.27	49.188	ES
2,600.00	2,532.40	2,655.32	2,581.85	11.14	12.56	-97.43	1,039.13	-520.08	1,144.85	1,121.48	23.36	48.998	
2,700.00	2,619.15	2,756.03	2,680.38	11.96	13.06	-98.99	1,050.06	-502.42	1,146.79	1,122.18	24.60	46.609	
2,800.00	2,705.89	2,861.16	2,783.59	12.81	13.57	-100.72	1,058.88	-484.46	1,148.32	1,122.48	25.84	44.441	
2,900.00	2,792.64	2,969.25	2,889.53	13.67	14.10	-102.47	1,067.52	-464.84	1,149.78	1,122.69	27.09	42.443	
3,000.00	2,879.39	3,064.68	2,982.65	14.55	14.59	-103.93	1,076.37	-445.95	1,151.67	1,123.35	28.31	40.678	
3,100.00	2,966.14	3,165.50	3,080.55	15.44	15.13	-105.34	1,087.44	-424.54	1,154.19	1,124.61	29.58	39.018	
3,200.00	3,052.88	3,274.52	3,186.18	16.34	15.74	-106.85	1,099.23	-400.32	1,156.53	1,125.64	30.89	37.445	
3,300.00	3,139.63	3,370.23	3,278.72	17.25	16.28	-108.13	1,109.67	-378.19	1,158.84	1,126.71	32.13	36.068	
3,400.00	3,226.38	3,450.50	3,356.29	18.17	16.73	-109.18	1,119.14	-359.86	1,162.50	1,129.20	33.30	34.912	
3,500.00	3,313.12	3,531.39	3,434.57	19.09	17.18	-110.23	1,129.57	-342.37	1,168.27	1,133.82	34.45	33.911	
3,600.00	3,399.87	3,622.25	3,522.62	20.02	17.68	-111.39	1,141.64	-323.49	1,175.53	1,139.90	35.63	32.992	
3,700.00	3,486.62	3,730.91	3,628.14	20.96	18.27	-112.82	1,154.93	-301.21	1,183.16	1,146.30	36.86	32.097	
3,800.00	3,573.37	3,848.18	3,742.06	21.90	18.90	-114.41	1,167.08	-276.16	1,189.85	1,151.77	38.08	31.246	
3,900.00	3,660.11	3,939.52	3,830.76	22.84	19.40	-115.65	1,175.99	-256.28	1,196.57	1,157.40	39.17	30.549	
4,000.00	3,746.86	4,024.44	3,913.23	23.78	19.86	-116.78	1,184.72	-238.02	1,204.41	1,164.20	40.21	29.953	
4,100.00	3,833.61	4,112.17	3,998.60	24.73	20.33	-117.94	1,193.89	-220.01	1,213.79	1,172.55	41.24	29.434	
4,200.00	3,920.35	4,218.17	4,101.43	25.68	20.91	-119.25	1,206.55	-197.62	1,223.81	1,181.45	42.35	28.895	
4,300.00	4,007.10	4,336.98	4,215.97	26.63	21.59	-120.59	1,222.06	-170.16	1,232.89	1,189.35	43.54	28.315	
4,400.00	4,093.85	4,438.00	4,313.53	27.59	22.17	-121.78	1,233.51	-146.60	1,241.70	1,197.10	44.60	27.839	
4,500.00	4,180.60	4,587.45	4,456.72	28.55	23.08	-123.40	1,251.61	-107.85	1,248.97	1,203.13	45.84	27.249	
4,600.00	4,267.34	4,711.13	4,572.98	29.50	23.92	-124.50	1,269.74	-69.81	1,252.41	1,205.35	47.06	26.614	
4,700.00	4,354.09	4,784.48	4,641.77	30.46	24.43	-125.11	1,281.28	-47.10	1,256.47	1,208.35	48.12	26.113	
4,800.00	4,440.84	4,837.99	4,692.48	31.42	24.78	-125.58	1,289.66	-32.23	1,263.78	1,214.75	49.04	25.773	
4,900.00	4,527.58	4,908.26	4,759.70	32.39	25.21	-126.23	1,300.59	-14.92	1,274.37	1,224.41	49.96	25.509	

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,614.33	5,013.36	4,860.47	33.35	25.85	-127.18	1,317.01	10.00	1,286.28	1,235.26	51.02	25.210		
5,100.00	4,701.08	5,112.02	4,954.65	34.31	26.46	-128.02	1,333.23	34.52	1,297.52	1,245.46	52.07	24.920		
5,200.00	4,787.82	5,199.91	5,038.76	35.28	26.99	-128.78	1,347.12	55.86	1,309.49	1,256.46	53.02	24.696		
5,300.00	4,874.57	5,277.54	5,113.65	36.25	27.44	-129.54	1,357.48	73.51	1,322.82	1,268.97	53.85	24.563		
5,400.00	4,961.32	5,359.31	5,192.91	37.21	27.89	-130.36	1,367.60	90.83	1,337.85	1,283.20	54.65	24.481		
5,500.00	5,048.07	5,457.55	5,288.54	38.18	28.41	-131.41	1,378.00	110.81	1,353.85	1,298.39	55.46	24.410		
5,600.00	5,134.81	5,604.78	5,431.06	39.15	29.24	-132.95	1,392.89	144.50	1,367.51	1,311.05	56.45	24.223		
5,700.00	5,221.56	5,686.79	5,509.98	40.12	29.72	-133.70	1,403.26	164.26	1,380.93	1,323.69	57.25	24.123		
5,800.00	5,308.31	5,760.35	5,580.82	41.09	30.14	-134.32	1,413.50	181.21	1,395.89	1,337.89	58.00	24.068		
5,900.00	5,395.05	5,818.25	5,636.96	42.06	30.46	-134.83	1,421.13	193.15	1,413.41	1,354.80	58.61	24.114		
6,000.00	5,481.80	5,890.87	5,707.84	43.03	30.83	-135.51	1,429.76	206.36	1,433.47	1,374.23	59.24	24.196		
6,100.00	5,568.55	6,034.44	5,847.87	44.00	31.58	-136.84	1,445.75	233.66	1,453.16	1,392.92	60.24	24.123		
6,200.00	5,655.30	6,121.99	5,932.98	44.97	32.05	-137.60	1,455.97	251.43	1,471.86	1,410.91	60.95	24.148		
6,300.00	5,742.04	6,248.14	6,055.70	45.94	32.72	-138.79	1,467.65	278.22	1,489.91	1,428.14	61.77	24.120		
6,400.00	5,828.79	6,418.51	6,219.37	46.92	33.74	-140.15	1,488.06	320.50	1,504.69	1,441.86	62.82	23.951		
6,500.00	5,915.54	6,500.56	6,296.87	47.89	34.27	-140.58	1,503.42	342.63	1,517.68	1,453.99	63.69	23.829		
6,600.00	6,002.28	6,567.87	6,360.75	48.86	34.70	-140.92	1,516.44	359.36	1,532.82	1,468.34	64.47	23.775		
6,700.00	6,089.03	6,652.67	6,441.83	49.83	35.22	-141.39	1,531.37	379.24	1,549.57	1,484.27	65.29	23.732		
6,800.00	6,175.78	6,808.69	6,591.24	50.81	36.17	-142.43	1,553.50	418.23	1,565.20	1,498.85	66.35	23.591		
6,900.00	6,262.53	6,947.69	6,722.81	51.78	37.10	-143.33	1,573.19	458.51	1,576.56	1,509.28	67.28	23.432		
7,000.00	6,349.27	7,019.69	6,790.79	52.76	37.57	-143.75	1,584.58	479.30	1,588.48	1,520.45	68.03	23.348		
7,100.00	6,436.02	7,081.00	6,849.25	53.73	37.97	-144.15	1,592.91	495.81	1,602.64	1,533.96	68.68	23.334		
7,200.00	6,522.77	7,169.20	6,934.05	54.71	38.49	-144.86	1,600.87	518.64	1,618.39	1,549.09	69.30	23.354		
7,300.00	6,609.51	7,258.65	7,020.39	55.68	38.99	-145.72	1,604.40	541.74	1,634.88	1,565.10	69.79	23.427		
7,400.00	6,696.26	7,334.90	7,094.14	56.66	39.39	-146.52	1,605.05	561.07	1,652.53	1,582.35	70.18	23.546		
7,500.00	6,783.01	7,423.07	7,179.37	57.63	39.81	-147.58	1,601.15	583.16	1,671.45	1,600.98	70.47	23.720		
7,600.00	6,869.76	7,513.64	7,265.80	58.61	40.20	-148.96	1,587.80	606.58	1,691.24	1,620.71	70.53	23.979		
7,683.49	6,942.18	7,683.49	7,419.71	59.42	40.86	-152.11	1,541.97	657.21	1,706.01	1,636.04	69.97	24.382		
7,700.00	6,956.57	7,727.23	7,459.29	59.58	41.04	-155.71	1,527.02	672.40	1,708.66	1,638.90	69.75	24.495		
7,750.00	7,000.85	7,763.34	7,490.45	60.04	41.18	-165.54	1,513.75	684.93	1,716.27	1,646.53	69.74	24.610		
7,800.00	7,045.94	7,794.00	7,516.64	60.46	41.30	-176.64	1,501.87	695.54	1,723.70	1,653.93	69.77	24.704		
7,850.00	7,091.49	7,827.18	7,544.60	60.84	41.41	171.24	1,488.06	706.88	1,730.90	1,661.11	69.79	24.800		
7,900.00	7,137.15	7,855.72	7,568.20	61.17	41.51	158.97	1,475.16	716.43	1,737.87	1,668.02	69.84	24.883		
7,950.00	7,182.58	7,883.00	7,590.33	61.44	41.61	147.39	1,461.97	725.38	1,744.48	1,674.59	69.89	24.960		
8,000.00	7,227.43	7,883.00	7,590.33	61.67	41.61	137.40	1,461.97	725.38	1,751.09	1,681.01	70.08	24.987		
8,050.00	7,271.36	7,924.89	7,623.46	61.84	41.70	128.58	1,439.93	738.42	1,756.79	1,686.75	70.04	25.083		
8,100.00	7,314.04	7,945.52	7,639.37	61.96	41.76	121.48	1,428.24	744.43	1,762.43	1,692.32	70.11	25.138		
8,150.00	7,355.14	7,972.00	7,659.34	62.04	41.82	115.68	1,412.46	751.73	1,767.67	1,697.52	70.15	25.198		
8,200.00	7,394.34	7,972.00	7,659.34	62.07	41.82	111.06	1,412.46	751.73	1,772.54	1,702.20	70.34	25.199		
8,250.00	7,431.36	8,005.01	7,683.49	62.06	41.86	107.26	1,391.59	760.10	1,776.67	1,706.31	70.36	25.251		
8,300.00	7,465.90	8,024.17	7,697.12	62.01	41.88	104.21	1,378.86	764.55	1,780.44	1,709.97	70.47	25.266		
8,350.00	7,497.71	8,061.00	7,722.40	61.93	41.93	101.82	1,353.22	772.25	1,783.89	1,713.41	70.48	25.311		
8,400.00	7,526.53	8,061.00	7,722.40	61.81	41.93	99.83	1,353.22	772.25	1,786.34	1,715.58	70.75	25.247		
8,450.00	7,552.17	8,061.00	7,722.40	61.66	41.93	98.18	1,353.22	772.25	1,788.75	1,717.68	71.07	25.168		
8,500.00	7,574.41	8,061.00	7,722.40	61.48	41.93	96.83	1,353.22	772.25	1,791.11	1,719.67	71.44	25.073		
8,550.00	7,593.09	8,101.79	7,749.40	61.29	41.93	96.22	1,323.41	778.95	1,791.72	1,720.19	71.53	25.049		
8,600.00	7,608.07	8,114.50	7,757.68	61.07	41.93	95.62	1,313.89	780.54	1,792.72	1,720.84	71.87	24.942		
8,650.00	7,619.23	8,150.00	7,780.38	60.84	41.93	95.62	1,286.80	783.75	1,793.89	1,721.83	72.06	24.894		
8,700.00	7,626.48	8,150.00	7,780.38	60.60	41.93	95.32	1,286.80	783.75	1,793.79	1,721.20	72.59	24.710		
8,750.00	7,629.78	8,150.00	7,780.38	60.35	41.93	95.20	1,286.80	783.75	1,793.67	1,720.50	73.17	24.513		
8,766.45	7,630.00	8,150.00	7,780.38	60.27	41.93	95.19	1,286.80	783.75	1,793.63	1,720.26	73.37	24.446		
8,785.93	7,630.00	8,165.70	7,790.16	60.17	41.91	95.51	1,274.55	784.69	1,793.56	1,720.11	73.46	24.417		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
8,800.00	7,630.00	8,171.84	7,793.92	60.10	41.90	95.63	1,269.71	785.02	1,793.62	1,720.05	73.56	24.382		
8,900.00	7,630.00	8,217.83	7,820.79	59.61	41.86	96.49	1,232.43	786.82	1,796.05	1,721.76	74.29	24.175		
9,000.00	7,630.00	8,301.40	7,863.31	59.15	41.75	97.84	1,160.57	787.94	1,801.38	1,726.87	74.51	24.177		
9,100.00	7,630.00	8,428.98	7,907.06	58.71	41.56	99.22	1,041.10	787.85	1,806.55	1,732.49	74.06	24.392		
9,200.00	7,630.00	8,528.70	7,926.20	58.30	41.41	99.81	943.28	785.78	1,811.53	1,737.55	73.97	24.489		
9,300.00	7,630.00	8,657.98	7,940.14	57.91	41.27	100.23	814.84	783.33	1,814.82	1,741.09	73.73	24.614		
9,400.00	7,630.00	8,816.38	7,944.32	57.54	41.24	100.35	656.53	781.14	1,816.30	1,742.68	73.62	24.670		
9,500.00	7,630.00	8,957.62	7,939.90	57.19	41.36	100.22	515.38	781.22	1,815.46	1,741.45	74.01	24.531		
9,600.00	7,630.00	9,043.97	7,935.94	56.87	41.52	100.10	429.12	781.86	1,813.57	1,738.91	74.66	24.290		
9,666.76	7,630.00	9,082.06	7,934.71	56.67	41.59	100.06	391.05	781.80	1,813.07	1,737.94	75.13	24.133		
9,700.00	7,630.00	9,101.54	7,934.25	56.57	41.63	100.04	371.58	781.58	1,813.19	1,737.84	75.35	24.064		
9,800.00	7,630.00	9,198.68	7,932.84	56.30	41.89	99.99	274.47	779.65	1,814.55	1,738.35	76.20	23.813		
9,900.00	7,630.00	9,284.96	7,932.12	56.05	42.17	99.96	188.20	778.30	1,815.64	1,738.52	77.12	23.543		
10,000.00	7,630.00	9,465.47	7,933.04	55.82	43.01	99.99	7.72	777.16	1,816.77	1,737.76	79.01	22.994		
10,100.00	7,630.00	9,557.21	7,933.84	55.63	43.58	100.00	-83.99	779.68	1,813.74	1,733.40	80.33	22.578		
10,200.00	7,630.00	9,679.62	7,933.73	55.46	44.45	100.05	-206.34	782.72	1,811.15	1,728.96	82.19	22.037		
10,300.00	7,630.00	9,718.53	7,934.66	55.32	44.74	100.08	-245.23	783.17	1,809.60	1,726.67	82.94	21.819		
10,305.95	7,630.00	9,721.45	7,934.73	55.31	44.76	100.08	-248.15	783.18	1,809.60	1,726.61	82.99	21.805		
10,400.00	7,630.00	9,772.22	7,935.84	55.22	45.15	100.11	-298.91	782.50	1,810.81	1,726.92	83.89	21.587		
10,500.00	7,630.00	9,843.00	7,936.94	55.15	45.71	100.13	-369.63	780.02	1,814.15	1,729.04	85.11	21.316		
10,600.00	7,630.00	9,950.72	7,937.15	55.14	46.61	100.12	-477.26	775.70	1,817.79	1,730.77	87.02	20.890		
10,700.00	7,630.00	10,021.00	7,938.48	55.18	47.24	100.14	-547.45	772.43	1,822.31	1,733.99	88.32	20.634		
10,800.00	7,630.00	10,088.12	7,941.35	55.28	47.85	100.21	-614.39	768.44	1,828.53	1,738.93	89.59	20.409		
10,900.00	7,630.00	10,223.84	7,946.54	55.47	49.17	100.33	-749.76	760.30	1,834.87	1,742.49	92.38	19.862		
11,000.00	7,630.00	10,385.77	7,949.18	55.74	50.91	100.38	-911.53	754.02	1,838.92	1,742.95	95.96	19.162		
11,100.00	7,630.00	10,441.52	7,950.70	56.11	51.54	100.41	-967.23	752.31	1,841.96	1,744.83	97.13	18.964		
11,200.00	7,630.00	10,593.93	7,959.02	56.60	53.34	100.65	-1,119.35	748.31	1,845.53	1,744.69	100.83	18.303		
11,300.00	7,630.00	10,836.40	7,966.27	57.20	56.52	100.93	-1,361.37	758.15	1,840.15	1,732.94	107.21	17.164		
11,400.00	7,630.00	10,884.00	7,966.43	57.91	57.18	100.95	-1,408.92	760.41	1,835.15	1,726.83	108.32	16.941		
11,500.00	7,630.00	11,009.81	7,966.34	58.72	58.91	100.98	-1,534.62	765.55	1,830.79	1,719.11	111.68	16.393		
11,600.00	7,630.00	11,106.33	7,966.20	59.63	60.27	101.01	-1,631.03	770.26	1,825.65	1,711.40	114.25	15.980		
11,700.00	7,630.00	11,177.36	7,966.15	60.61	61.27	101.03	-1,701.99	773.15	1,821.38	1,705.31	116.07	15.692		
11,800.00	7,630.00	11,241.00	7,966.09	61.67	62.17	101.03	-1,765.62	774.16	1,819.34	1,701.70	117.64	15.465		
11,823.45	7,630.00	11,241.00	7,966.09	61.93	62.17	101.03	-1,765.62	774.16	1,819.19	1,701.66	117.53	15.478		
11,900.00	7,630.00	11,282.29	7,966.03	62.78	62.74	101.03	-1,806.91	773.71	1,819.83	1,701.37	118.46	15.362		
12,000.00	7,630.00	11,330.96	7,965.95	63.95	63.42	101.01	-1,855.54	771.85	1,823.19	1,703.74	119.45	15.263		
12,100.00	7,630.00	11,578.42	7,965.55	65.16	66.93	100.98	-2,102.86	767.26	1,825.76	1,698.60	127.16	14.358		
12,200.00	7,630.00	11,661.64	7,965.28	66.41	68.17	100.99	-2,186.04	769.67	1,822.58	1,693.12	129.46	14.078		
12,300.00	7,630.00	11,777.83	7,965.02	67.68	69.91	101.00	-2,302.20	772.17	1,820.15	1,687.26	132.90	13.696		
12,400.00	7,630.00	11,903.56	7,963.29	68.99	71.83	100.97	-2,427.84	776.66	1,816.03	1,679.33	136.70	13.285		
12,500.00	7,630.00	11,988.42	7,961.69	70.33	73.13	100.95	-2,512.61	780.14	1,811.38	1,672.24	139.14	13.018		
12,600.00	7,630.00	12,043.00	7,960.66	71.68	73.97	100.92	-2,567.17	781.40	1,808.57	1,668.06	140.50	12.872		
12,667.40	7,630.00	12,085.71	7,959.85	72.61	74.62	100.90	-2,609.86	781.55	1,807.96	1,666.35	141.60	12.768		
12,700.00	7,630.00	12,103.26	7,959.52	73.06	74.89	100.89	-2,627.41	781.36	1,808.09	1,666.08	142.01	12.732		
12,800.00	7,630.00	12,800.00	7,957.56	74.45	85.59	100.82	-2,730.13	779.69	1,808.99	1,654.62	154.37	11.718		
12,900.00	7,630.00	12,329.00	7,955.26	75.87	78.35	100.75	-2,853.09	779.55	1,808.29	1,659.33	148.96	12.139		
13,000.00	7,630.00	12,452.02	7,953.20	77.29	80.26	100.69	-2,976.09	779.70	1,807.64	1,654.78	152.86	11.825		
13,100.00	7,630.00	12,590.38	7,952.83	78.74	82.45	100.70	-3,114.40	783.63	1,804.38	1,647.03	157.35	11.467		
13,200.00	7,630.00	12,677.60	7,952.53	80.19	83.85	100.71	-3,201.57	786.35	1,800.89	1,640.91	159.98	11.257		
13,300.00	7,630.00	12,779.76	7,952.18	81.66	85.48	100.72	-3,303.68	789.52	1,797.45	1,634.27	163.18	11.015		
13,400.00	7,630.00	12,859.75	7,952.08	83.14	86.77	100.73	-3,383.64	791.77	1,794.38	1,628.83	165.55	10.839		
13,490.80	7,630.00	12,909.17	7,952.04	84.50	87.56	100.74	-3,433.05	792.18	1,793.33	1,626.57	166.76	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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
13,500.00	7,630.00	12,914.17	7,952.04	84.63	87.64	100.73	-3,438.06	792.16	1,793.34	1,626.47	166.88	10.747		
13,600.00	7,630.00	12,971.48	7,951.96	86.14	88.54	100.73	-3,495.35	791.09	1,794.79	1,626.56	168.24	10.668		
13,700.00	7,630.00	13,037.29	7,951.85	87.65	89.57	100.71	-3,561.10	788.29	1,798.52	1,628.63	169.90	10.586		
13,800.00	7,630.00	13,151.00	7,951.58	89.17	91.35	100.67	-3,674.69	783.09	1,802.65	1,629.03	173.62	10.383		
13,900.00	7,630.00	13,253.64	7,951.44	90.70	92.97	100.65	-3,777.25	779.01	1,806.19	1,629.32	176.87	10.212		
14,000.00	7,630.00	13,360.86	7,951.22	92.24	94.67	100.62	-3,884.38	774.77	1,809.72	1,629.38	180.35	10.035		
14,100.00	7,630.00	13,457.61	7,950.90	93.78	96.22	100.59	-3,981.07	771.23	1,812.92	1,629.55	183.38	9.886		
14,200.00	7,630.00	13,568.91	7,950.73	95.33	98.00	100.56	-4,092.30	767.31	1,816.04	1,628.99	187.05	9.709		
14,300.00	7,630.00	13,683.01	7,950.78	96.89	99.84	100.55	-4,206.36	764.00	1,818.59	1,627.73	190.86	9.528		
14,400.00	7,630.00	13,886.58	7,953.76	98.46	103.19	100.66	-4,409.83	766.69	1,816.73	1,618.41	198.31	9.161		
14,500.00	7,630.00	14,012.22	7,956.76	100.03	105.30	100.79	-4,535.31	772.24	1,812.55	1,610.01	202.54	8.949		
14,600.00	7,630.00	14,079.13	7,958.41	101.61	106.43	100.86	-4,602.13	775.08	1,808.46	1,603.93	204.52	8.842		
14,700.00	7,630.00	14,157.71	7,959.73	103.20	107.74	100.91	-4,680.68	777.21	1,805.77	1,598.84	206.93	8.727		
14,800.00	7,630.00	14,238.05	7,961.06	104.78	109.08	100.96	-4,761.00	778.49	1,804.18	1,594.81	209.37	8.617		
14,890.81	7,630.00	14,310.08	7,962.26	106.23	110.28	101.00	-4,833.02	778.87	1,803.70	1,592.16	211.54	8.527		
14,900.00	7,630.00	14,317.30	7,962.37	106.38	110.40	101.01	-4,840.23	778.87	1,803.71	1,591.95	211.75	8.518		
15,000.00	7,630.00	14,393.26	7,963.64	107.98	111.66	101.04	-4,916.18	778.29	1,804.44	1,590.48	213.96	8.433		
15,100.00	7,630.00	14,494.28	7,965.34	109.58	113.33	101.09	-5,017.17	776.24	1,806.44	1,589.17	217.27	8.314		
15,200.00	7,630.00	14,628.04	7,967.30	111.19	115.56	101.15	-5,150.90	775.91	1,806.55	1,584.54	222.01	8.137		
15,300.00	7,630.00	14,722.75	7,968.68	112.81	117.14	101.20	-5,245.60	776.18	1,806.22	1,581.16	225.06	8.026		
15,336.99	7,630.00	14,756.40	7,969.15	113.41	117.70	101.21	-5,279.25	776.20	1,806.18	1,580.05	226.13	7.987		
15,400.00	7,630.00	14,815.45	7,969.99	114.42	118.69	101.24	-5,338.29	776.08	1,806.27	1,578.25	228.03	7.921		
15,500.00	7,630.00	14,921.84	7,971.60	116.05	120.48	101.29	-5,444.68	776.06	1,806.25	1,574.66	231.59	7.799		
15,600.00	7,630.00	15,033.58	7,973.21	117.67	122.36	101.34	-5,556.40	776.28	1,806.04	1,570.65	235.39	7.673		
15,700.00	7,630.00	15,131.46	7,973.97	119.30	124.01	101.37	-5,654.27	777.15	1,804.99	1,566.39	238.60	7.565		
15,756.04	7,630.00	15,175.44	7,973.30	120.22	124.75	101.35	-5,698.25	777.04	1,804.78	1,564.85	239.93	7.522		
15,800.00	7,630.00	15,207.16	7,972.73	120.93	125.28	101.33	-5,729.95	776.71	1,804.93	1,564.09	240.85	7.494		
15,900.00	7,630.00	15,289.76	7,971.32	122.57	126.66	101.28	-5,812.53	774.99	1,806.27	1,562.89	243.38	7.422		
16,000.00	7,630.00	15,384.92	7,968.94	124.21	128.25	101.19	-5,907.62	772.54	1,807.99	1,561.50	246.49	7.335		
16,100.00	7,630.00	15,470.82	7,967.93	125.85	129.68	101.15	-5,993.48	770.10	1,810.23	1,561.08	249.15	7.266		
16,200.00	7,630.00	15,551.12	7,967.86	127.50	131.02	101.13	-6,073.73	767.19	1,813.44	1,561.92	251.52	7.210		
16,300.00	7,630.00	15,632.89	7,968.32	129.15	132.38	101.12	-6,155.41	763.38	1,817.78	1,563.84	253.94	7.158		
16,400.00	7,630.00	16,115.27	7,973.62	130.80	140.63	101.41	-6,635.53	780.85	1,821.79	1,550.52	271.27	6.716		
16,500.00	7,630.00	16,177.27	7,976.01	132.46	141.74	101.55	-6,696.67	790.80	1,806.54	1,532.87	273.67	6.601		
16,600.00	7,630.00	16,232.00	7,979.80	134.11	142.71	101.72	-6,750.72	798.52	1,793.72	1,517.98	275.74	6.505		
16,700.00	7,630.00	16,284.29	7,984.49	135.77	143.63	101.91	-6,802.42	804.76	1,783.45	1,505.89	277.56	6.426		
16,800.00	7,630.00	16,321.00	7,988.08	137.43	144.27	102.05	-6,838.77	808.42	1,775.92	1,497.31	278.61	6.374		
16,900.00	7,630.00	16,375.00	7,993.05	139.10	145.21	102.23	-6,892.41	812.05	1,771.32	1,491.27	280.05	6.325		
16,984.01	7,630.00	16,410.00	7,995.72	140.50	145.82	102.32	-6,927.30	813.03	1,770.11	1,489.44	280.67	6.307		
17,000.00	7,630.00	16,420.55	7,996.43	140.77	146.00	102.34	-6,937.83	813.13	1,770.13	1,489.19	280.95	6.301		
17,100.00	7,630.00	16,489.38	7,999.36	142.44	147.17	102.44	-7,006.58	812.74	1,771.27	1,488.51	282.76	6.264		
17,200.00	7,630.00	16,604.28	8,001.15	144.11	149.12	102.48	-7,121.44	810.69	1,773.05	1,486.24	286.81	6.182		
17,300.00	7,630.00	16,707.75	8,002.64	145.78	150.88	102.52	-7,224.90	809.66	1,774.00	1,483.69	290.30	6.111		
17,400.00	7,630.00	16,806.03	8,004.02	147.46	152.55	102.56	-7,323.16	808.38	1,775.24	1,481.69	293.55	6.047		
17,500.00	7,630.00	16,917.04	8,005.52	149.13	154.45	102.60	-7,434.16	807.60	1,775.88	1,478.47	297.41	5.971		
17,600.00	7,630.00	17,013.68	8,006.82	150.81	156.10	102.64	-7,530.79	807.07	1,776.39	1,475.80	300.59	5.910		
17,700.00	7,630.00	17,129.30	8,008.41	152.49	158.08	102.69	-7,646.40	806.65	1,776.73	1,472.08	304.65	5.832		
17,706.93	7,630.00	17,137.72	8,008.53	152.61	158.23	102.70	-7,654.82	806.67	1,776.71	1,471.76	304.95	5.826		
17,800.00	7,630.00	17,203.96	8,009.47	154.18	159.36	102.73	-7,721.05	806.20	1,777.28	1,470.48	306.80	5.793		
17,900.00	7,630.00	17,269.70	8,010.07	155.86	160.48	102.74	-7,786.77	804.69	1,779.41	1,470.96	308.44	5.769		
18,000.00	7,630.00	17,334.71	8,009.87	157.55	161.57	102.71	-7,851.70	801.69	1,783.52	1,473.56	309.96	5.754 SF		
18,100.00	7,630.00	17,390.00	8,009.27	159.24	162.50	102.67	-7,906.87	798.03	1,789.60	1,478.79	310.81	5.758		

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



## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<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	
18,200.00	7,630.00	17,453.74	8,008.33	160.92	163.55	102.60	-7,970.34	792.30	1,797.89	1,485.87	312.02	5.762	
18,300.00	7,630.00	17,501.42	8,007.70	162.62	164.33	102.54	-8,017.69	786.72	1,808.79	1,496.72	312.07	5.796	
18,400.00	7,630.00	17,542.69	8,007.85	164.31	165.00	102.50	-8,058.52	780.71	1,822.78	1,511.33	311.45	5.853	
18,458.39	7,630.00	17,568.00	8,008.31	165.30	165.41	102.49	-8,083.46	776.44	1,832.41	1,521.35	311.05	5.891	



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	-50.71	786.15	-960.94	1,241.60					
100.00	100.00	88.26	88.26	0.13	0.15	-50.71	786.30	-960.85	1,241.57	1,241.29	0.28	4,413.329		
200.00	200.00	187.42	187.42	0.49	0.31	-50.68	786.81	-960.55	1,241.67	1,240.86	0.80	1,542.767		
300.00	300.00	286.58	286.57	0.85	0.48	-50.63	787.69	-960.04	1,241.83	1,240.50	1.33	934.882		
400.00	400.00	384.76	384.75	1.21	0.77	-50.57	788.89	-959.38	1,242.09	1,240.11	1.98	627.747		
500.00	500.00	482.49	482.46	1.57	1.12	-50.50	790.30	-958.77	1,242.52	1,239.83	2.69	462.319		
600.00	600.00	580.22	580.17	1.93	1.47	-50.43	791.92	-958.22	1,243.14	1,239.74	3.40	365.989		
700.00	700.00	760.64	760.30	2.29	2.12	-50.07	795.02	-949.78	1,240.65	1,236.25	4.40	281.810		
800.00	800.00	926.75	924.57	2.64	2.77	-49.14	801.11	-926.27	1,232.13	1,226.74	5.38	228.936		
900.00	900.00	1,018.61	1,014.41	3.00	3.17	-48.36	807.37	-908.20	1,221.63	1,215.51	6.12	199.477		
1,000.00	1,000.00	1,126.21	1,118.41	3.36	3.69	-47.18	818.27	-882.93	1,210.73	1,203.75	6.98	173.477		
1,100.00	1,100.00	1,203.82	1,192.63	3.72	4.10	-46.15	829.00	-862.93	1,201.09	1,193.35	7.74	155.164		
1,200.00	1,199.98	1,288.89	1,273.46	4.07	4.58	-96.20	843.02	-840.42	1,193.55	1,184.98	8.57	139.240		
1,300.00	1,299.84	1,391.70	1,370.07	4.43	5.21	-94.92	861.92	-810.81	1,186.68	1,177.13	9.55	124.289		
1,400.00	1,399.45	1,470.28	1,443.71	4.79	5.71	-94.02	877.47	-788.22	1,181.73	1,171.31	10.41	113.495		
1,500.00	1,498.70	1,634.52	1,596.94	5.15	6.80	-92.24	909.43	-738.58	1,177.04	1,165.19	11.86	99.279		
1,600.00	1,597.47	1,703.05	1,660.54	5.53	7.28	-91.67	921.81	-716.24	1,169.70	1,156.97	12.73	91.887		
1,700.00	1,695.62	1,790.71	1,742.05	5.93	7.90	-91.00	938.81	-688.88	1,164.63	1,150.89	13.75	84.718		
1,800.00	1,793.06	1,920.85	1,863.26	6.35	8.82	-90.21	962.48	-647.82	1,158.75	1,143.68	15.07	76.872		
1,900.00	1,889.64	2,021.11	1,957.10	6.79	9.52	-89.90	978.84	-616.57	1,151.82	1,135.60	16.22	71.030		
2,000.00	1,985.27	2,142.72	2,071.56	7.27	10.34	-89.83	996.34	-579.40	1,143.83	1,126.33	17.50	65.360		
2,100.00	2,079.82	2,230.82	2,154.87	7.79	10.93	-90.06	1,007.54	-553.04	1,134.96	1,116.36	18.60	61.019		
2,200.00	2,173.17	2,332.09	2,251.19	8.36	11.58	-90.54	1,020.44	-524.52	1,127.20	1,107.40	19.79	56.946		
2,300.00	2,265.21	2,438.32	2,352.69	8.97	12.25	-91.33	1,032.22	-495.51	1,118.78	1,097.75	21.03	53.193		
2,400.00	2,355.84	2,518.04	2,428.94	9.64	12.74	-92.11	1,041.34	-474.13	1,111.19	1,089.02	22.17	50.115		
2,500.00	2,444.94	2,599.11	2,506.51	10.36	13.24	-93.00	1,051.78	-452.98	1,105.53	1,082.17	23.37	47.312		
2,591.69	2,525.19	2,673.16	2,577.39	11.07	13.70	-93.89	1,062.23	-434.26	1,102.14	1,077.64	24.50	44.989		
2,600.00	2,532.40	2,679.85	2,583.79	11.14	13.74	-93.97	1,063.22	-432.60	1,101.92	1,077.32	24.60	44.790		
2,700.00	2,619.15	2,777.67	2,677.44	11.96	14.34	-95.15	1,077.75	-408.37	1,099.68	1,073.71	25.96	42.355		
2,800.00	2,705.89	2,903.93	2,797.99	12.81	15.13	-96.64	1,095.46	-375.26	1,096.28	1,068.78	27.50	39.859		
2,900.00	2,792.64	3,013.65	2,902.32	13.67	15.84	-97.90	1,110.03	-344.60	1,091.68	1,062.72	28.96	37.692		
3,000.00	2,879.39	3,125.34	3,008.44	14.55	16.57	-99.21	1,123.87	-312.64	1,086.45	1,056.02	30.43	35.703		
3,100.00	2,966.14	3,224.70	3,102.03	15.44	17.25	-100.26	1,137.30	-282.13	1,080.86	1,048.99	31.87	33.910		
3,200.00	3,052.88	3,286.13	3,159.73	16.34	17.68	-100.86	1,147.11	-263.44	1,077.34	1,044.21	33.14	32.511		
3,300.00	3,139.63	3,400.16	3,266.82	17.25	18.47	-101.95	1,166.81	-229.61	1,075.71	1,041.02	34.69	31.009		
3,400.00	3,226.38	3,497.83	3,358.46	18.17	19.16	-102.90	1,182.64	-199.76	1,072.93	1,036.79	36.14	29.686		
3,500.00	3,313.12	3,583.74	3,438.71	19.09	19.78	-103.67	1,197.85	-173.13	1,071.01	1,033.47	37.54	28.529		
3,546.89	3,353.80	3,618.88	3,471.61	19.53	20.02	-103.99	1,204.27	-162.60	1,070.74	1,032.59	38.16	28.061 CC		
3,600.00	3,399.87	3,658.46	3,508.91	20.02	20.30	-104.38	1,211.33	-151.40	1,071.09	1,032.25	38.84	27.575		
3,700.00	3,486.62	3,767.95	3,612.37	20.96	21.03	-105.51	1,230.32	-121.02	1,072.17	1,031.86	40.31	26.599		
3,800.00	3,573.37	3,860.16	3,699.61	21.90	21.64	-106.48	1,245.64	-95.40	1,073.14	1,031.50	41.65	25.767 ES		
3,900.00	3,660.11	3,936.84	3,772.47	22.84	22.14	-107.32	1,258.51	-75.26	1,075.83	1,032.97	42.86	25.100		
4,000.00	3,746.86	4,024.03	3,855.72	23.78	22.68	-108.31	1,273.28	-53.95	1,080.50	1,036.41	44.09	24.505		
4,100.00	3,833.61	4,145.02	3,971.83	24.73	23.41	-109.81	1,291.40	-25.17	1,085.26	1,039.80	45.45	23.877		
4,200.00	3,920.35	4,267.33	4,089.15	25.68	24.16	-111.38	1,306.84	5.75	1,088.04	1,041.29	46.74	23.278		
4,300.00	4,007.10	4,360.13	4,177.89	26.63	24.73	-112.56	1,317.86	30.56	1,089.76	1,041.88	47.88	22.760		
4,400.00	4,093.85	4,447.18	4,261.84	27.59	25.24	-113.77	1,327.22	51.56	1,093.73	1,044.80	48.93	22.354		
4,500.00	4,180.60	4,549.95	4,360.64	28.55	25.85	-115.14	1,338.77	77.36	1,097.72	1,047.70	50.02	21.945		
4,600.00	4,267.34	4,631.07	4,438.27	29.50	26.35	-116.12	1,349.75	98.19	1,102.76	1,051.71	51.04	21.604		
4,700.00	4,354.09	4,720.58	4,524.48	30.46	26.88	-117.25	1,361.38	119.28	1,109.91	1,057.86	52.05	21.324		
4,800.00	4,440.84	4,873.57	4,670.69	31.42	27.83	-119.08	1,380.87	159.74	1,114.79	1,061.49	53.30	20.916		
4,900.00	4,527.58	4,940.00	4,734.27	32.39	28.24	-119.93	1,388.08	177.58	1,119.24	1,065.05	54.19	20.654		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
5,000.00	4,614.33	5,007.43	4,799.27	33.35	28.63	-120.80	1,395.57	193.88	1,126.83	1,071.83	55.00	20.490		
5,100.00	4,701.08	5,116.03	4,903.77	34.31	29.28	-122.08	1,410.43	219.40	1,136.41	1,080.41	56.00	20.293		
5,200.00	4,787.82	5,202.66	4,986.58	35.28	29.81	-122.98	1,423.96	240.92	1,145.68	1,088.74	56.94	20.120		
5,300.00	4,874.57	5,268.84	5,050.19	36.25	30.20	-123.69	1,434.12	256.10	1,157.08	1,099.37	57.70	20.052		
5,400.00	4,961.32	5,378.28	5,156.16	37.21	30.81	-124.96	1,449.17	278.90	1,170.54	1,111.90	58.64	19.962		
5,500.00	5,048.07	5,495.46	5,269.40	38.18	31.48	-126.33	1,463.71	305.30	1,182.46	1,122.90	59.56	19.853		
5,600.00	5,134.81	5,613.32	5,382.37	39.15	32.19	-127.60	1,479.00	335.20	1,192.04	1,131.54	60.50	19.703		
5,700.00	5,221.56	5,682.35	5,448.58	40.12	32.60	-128.32	1,488.32	352.32	1,202.94	1,141.73	61.21	19.652		
5,800.00	5,308.31	5,742.00	5,506.36	41.09	32.94	-128.98	1,495.91	365.07	1,217.23	1,155.45	61.79	19.700		
5,900.00	5,395.05	5,827.13	5,589.42	42.06	33.38	-130.01	1,505.06	381.31	1,233.91	1,171.51	62.40	19.774		
6,000.00	5,481.80	5,945.70	5,704.94	43.03	34.00	-131.38	1,517.85	404.71	1,250.49	1,187.30	63.19	19.791		
6,100.00	5,568.55	6,077.00	5,831.70	44.00	34.75	-132.68	1,535.36	434.05	1,265.34	1,201.21	64.13	19.732		
6,200.00	5,655.30	6,161.12	5,912.30	44.97	35.25	-133.40	1,548.44	454.23	1,279.18	1,214.30	64.88	19.717		
6,300.00	5,742.04	6,243.05	5,991.41	45.94	35.72	-134.17	1,559.65	472.39	1,294.84	1,229.30	65.55	19.755		
6,400.00	5,828.79	6,322.04	6,067.74	46.92	36.16	-134.87	1,571.02	489.23	1,311.77	1,245.59	66.19	19.820		
6,500.00	5,915.54	6,405.12	6,148.46	47.89	36.61	-135.65	1,581.95	505.56	1,330.48	1,263.68	66.80	19.918		
6,600.00	6,002.28	6,517.15	6,257.50	48.86	37.20	-136.73	1,595.10	527.65	1,349.45	1,281.91	67.54	19.980		
6,700.00	6,089.03	6,686.54	6,421.13	49.83	38.17	-138.31	1,614.71	566.68	1,365.54	1,297.02	68.52	19.928		
6,800.00	6,175.78	6,828.70	6,556.46	50.81	39.07	-139.47	1,633.68	605.82	1,377.36	1,307.96	69.40	19.847		
6,900.00	6,262.53	6,880.33	6,605.65	51.78	39.40	-139.86	1,641.17	619.61	1,390.03	1,320.05	69.98	19.863		
7,000.00	6,349.27	6,965.85	6,687.58	52.76	39.93	-140.52	1,653.07	641.02	1,404.91	1,334.26	70.65	19.886		
7,100.00	6,436.02	7,035.99	6,755.04	53.73	40.34	-141.09	1,661.75	658.16	1,420.80	1,349.61	71.19	19.959		
7,200.00	6,522.77	7,095.98	6,813.17	54.71	40.68	-141.61	1,668.48	671.32	1,439.36	1,367.75	71.61	20.100		
7,300.00	6,609.51	7,156.28	6,871.99	55.68	40.99	-142.14	1,674.62	683.12	1,460.58	1,388.61	71.97	20.295		
7,400.00	6,696.26	7,400.00	7,035.95	56.66	42.07	-144.31	1,672.47	719.21	1,480.71	1,408.20	72.51	20.420		
7,500.00	6,783.01	7,465.50	7,164.82	57.63	42.24	-147.36	1,634.05	758.07	1,495.95	1,424.44	71.51	20.919		
7,600.00	6,869.76	7,501.03	7,196.74	58.61	42.34	-148.21	1,621.62	767.48	1,515.54	1,444.19	71.36	21.239		
7,683.49	6,942.18	7,525.00	7,218.49	59.42	42.41	-148.77	1,613.40	773.29	1,535.35	1,464.17	71.18	21.569		
7,700.00	6,956.57	7,525.00	7,218.49	59.58	42.41	-151.65	1,613.40	773.29	1,539.68	1,468.52	71.16	21.636		
7,750.00	7,000.85	7,558.41	7,248.87	60.04	42.47	-162.11	1,601.67	780.77	1,552.84	1,481.87	70.96	21.882		
7,800.00	7,045.94	7,579.51	7,267.97	60.46	42.52	-173.74	1,593.88	785.16	1,566.57	1,495.73	70.84	22.114		
7,850.00	7,091.49	7,614.00	7,299.06	60.84	42.59	173.41	1,580.51	791.81	1,580.68	1,510.00	70.69	22.362		
7,900.00	7,137.15	7,635.35	7,318.20	61.17	42.62	160.55	1,571.90	795.73	1,594.62	1,524.02	70.60	22.587		
7,950.00	7,182.58	7,687.14	7,364.21	61.44	42.71	148.08	1,550.22	805.49	1,607.91	1,537.48	70.44	22.827		
8,000.00	7,227.43	7,722.08	7,394.88	61.67	42.76	137.21	1,534.86	812.16	1,620.31	1,549.95	70.36	23.029		
8,050.00	7,271.36	7,749.58	7,418.67	61.84	42.80	128.03	1,522.03	817.18	1,632.20	1,561.88	70.32	23.212		
8,100.00	7,314.04	7,777.18	7,442.22	61.96	42.83	120.42	1,508.44	821.96	1,643.51	1,573.21	70.30	23.380		
8,150.00	7,355.14	7,822.88	7,480.27	62.04	42.88	114.17	1,484.34	829.60	1,654.01	1,583.79	70.22	23.555		
8,200.00	7,394.34	7,889.70	7,533.03	62.07	42.94	109.09	1,445.21	841.78	1,662.77	1,592.74	70.03	23.744		
8,250.00	7,431.36	7,954.70	7,581.80	62.06	42.99	105.07	1,404.22	854.63	1,669.58	1,599.73	69.86	23.900		
8,300.00	7,465.90	7,970.00	7,592.99	62.01	43.00	101.87	1,394.27	857.78	1,674.98	1,605.01	69.97	23.939		
8,350.00	7,497.71	8,007.53	7,619.16	61.93	43.01	99.35	1,368.41	865.13	1,679.25	1,609.28	69.97	23.999		
8,400.00	7,526.53	8,028.80	7,632.94	61.81	43.02	97.30	1,352.65	868.90	1,682.97	1,612.89	70.09	24.013		
8,450.00	7,552.17	8,059.00	7,651.09	61.66	43.03	95.72	1,329.02	873.74	1,685.99	1,615.84	70.15	24.034		
8,500.00	7,574.41	8,059.00	7,651.09	61.48	43.03	94.38	1,329.02	873.74	1,688.23	1,617.72	70.51	23.942		
8,550.00	7,593.09	8,099.18	7,672.81	61.29	43.00	93.62	1,295.70	879.37	1,689.39	1,618.86	70.53	23.951		
8,600.00	7,608.07	8,124.66	7,685.21	61.07	42.98	93.08	1,273.67	882.50	1,689.79	1,619.07	70.72	23.894		
8,650.00	7,619.23	8,151.45	7,697.06	60.84	42.96	92.86	1,249.83	885.43	1,689.30	1,618.38	70.92	23.821		
8,700.00	7,626.48	8,190.71	7,712.95	60.60	42.91	93.07	1,214.14	889.38	1,687.73	1,616.73	71.01	23.769		
8,750.00	7,629.78	8,229.87	7,727.45	60.35	42.87	93.61	1,177.96	893.08	1,684.96	1,613.85	71.12	23.693		
8,766.45	7,630.00	8,237.00	7,729.94	60.27	42.87	93.79	1,171.31	893.73	1,683.81	1,612.59	71.23	23.640		
8,800.00	7,630.00	8,265.02	7,739.43	60.10	42.83	94.12	1,145.06	896.17	1,681.44	1,610.14	71.31	23.580		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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 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		
8,900.00	7,630.00	8,327.00	7,758.92	59.61	42.76	94.79	1,086.42	900.90	1,675.79	1,604.01	71.79	23.344		
9,000.00	7,630.00	8,391.20	7,776.22	59.15	42.68	95.39	1,024.70	904.34	1,672.51	1,600.26	72.25	23.150		
9,076.66	7,630.00	8,433.80	7,785.61	58.81	42.63	95.72	983.17	905.53	1,671.78	1,599.12	72.67	23.006		
9,100.00	7,630.00	8,445.89	7,787.87	58.71	42.61	95.80	971.30	905.65	1,671.90	1,599.10	72.79	22.967		
9,200.00	7,630.00	8,505.00	7,796.00	58.30	42.54	96.07	912.77	904.86	1,674.20	1,600.94	73.26	22.854		
9,300.00	7,630.00	8,691.03	7,802.63	57.91	42.39	96.29	726.95	903.27	1,675.23	1,602.70	72.53	23.097		
9,400.00	7,630.00	8,803.65	7,804.49	57.54	42.44	96.37	614.40	906.45	1,672.17	1,599.32	72.85	22.954		
9,500.00	7,630.00	8,861.00	7,804.98	57.19	42.49	96.39	557.06	907.10	1,670.83	1,597.37	73.46	22.744		
9,500.40	7,630.00	8,861.00	7,804.98	57.19	42.49	96.39	557.06	907.10	1,670.83	1,597.37	73.47	22.743		
9,600.00	7,630.00	8,922.05	7,804.68	56.87	42.53	96.38	496.01	906.20	1,671.94	1,597.84	74.10	22.564		
9,700.00	7,630.00	9,002.10	7,803.66	56.57	42.63	96.33	416.03	903.19	1,675.13	1,600.40	74.73	22.416		
9,800.00	7,630.00	9,150.35	7,803.53	56.30	42.94	96.32	267.84	899.42	1,677.38	1,601.75	75.62	22.180		
9,900.00	7,630.00	9,252.11	7,802.55	56.05	43.27	96.28	166.09	898.21	1,678.12	1,601.48	76.64	21.895		
10,000.00	7,630.00	9,368.03	7,803.18	55.82	43.77	96.30	50.17	897.92	1,678.08	1,600.12	77.96	21.525		
10,100.00	7,630.00	9,479.23	7,803.31	55.63	44.37	96.31	-61.03	898.41	1,677.32	1,597.90	79.42	21.119		
10,200.00	7,630.00	9,571.07	7,802.73	55.46	44.95	96.29	-152.87	898.86	1,676.44	1,595.64	80.79	20.750		
10,300.00	7,630.00	9,675.14	7,801.21	55.32	45.69	96.24	-256.92	899.10	1,675.71	1,593.29	82.43	20.329		
10,329.32	7,630.00	9,690.14	7,800.80	55.28	45.80	96.23	-271.91	899.01	1,675.64	1,592.93	82.70	20.261		
10,400.00	7,630.00	9,736.28	7,798.97	55.22	46.16	96.16	-318.01	898.32	1,676.16	1,592.68	83.48	20.079		
10,500.00	7,630.00	9,887.63	7,794.05	55.15	47.44	95.99	-469.24	896.40	1,677.08	1,590.95	86.13	19.472		
10,600.00	7,630.00	10,019.00	7,797.84	55.14	48.72	96.14	-600.49	900.35	1,673.90	1,585.12	88.78	18.854		
10,700.00	7,630.00	10,108.95	7,800.98	55.18	49.67	96.26	-690.33	903.23	1,670.75	1,580.06	90.68	18.424		
10,800.00	7,630.00	10,218.30	7,804.45	55.28	50.88	96.39	-799.57	906.72	1,667.59	1,574.47	93.12	17.908		
10,900.00	7,630.00	10,318.87	7,807.45	55.47	52.04	96.51	-900.03	910.29	1,664.06	1,568.63	95.43	17.438		
11,000.00	7,630.00	10,447.37	7,809.50	55.74	53.59	96.60	-1,028.43	914.96	1,660.45	1,561.91	98.54	16.850		
11,100.00	7,630.00	10,517.09	7,810.85	56.11	54.46	96.66	-1,098.06	918.21	1,655.86	1,555.71	100.15	16.534		
11,200.00	7,630.00	10,583.67	7,811.00	56.60	55.29	96.67	-1,164.62	919.39	1,653.70	1,552.05	101.65	16.269		
11,300.00	7,630.00	10,667.40	7,810.46	57.20	56.34	96.65	-1,248.35	919.73	1,652.88	1,549.25	103.64	15.949		
11,340.65	7,630.00	10,702.36	7,810.10	57.47	56.79	96.64	-1,283.31	919.63	1,652.81	1,548.33	104.48	15.819		
11,400.00	7,630.00	10,757.86	7,809.43	57.91	57.49	96.62	-1,338.80	919.25	1,652.93	1,547.08	105.85	15.616		
11,500.00	7,630.00	10,862.49	7,807.71	58.72	58.85	96.56	-1,443.41	918.59	1,653.04	1,544.50	108.54	15.230		
11,600.00	7,630.00	10,967.02	7,804.24	59.63	60.24	96.44	-1,547.88	918.05	1,652.84	1,541.57	111.27	14.854		
11,700.00	7,630.00	11,072.86	7,797.74	60.61	61.68	96.21	-1,653.52	917.49	1,652.36	1,538.29	114.07	14.486		
11,800.00	7,630.00	11,172.32	7,790.67	61.67	63.05	95.97	-1,752.72	917.11	1,651.65	1,534.95	116.70	14.153		
11,900.00	7,630.00	11,263.69	7,783.75	62.78	64.32	95.73	-1,843.83	916.33	1,651.39	1,532.30	119.09	13.867		
12,000.00	7,630.00	11,365.91	7,775.65	63.95	65.77	95.44	-1,945.73	915.34	1,651.24	1,529.36	121.88	13.548		
12,100.00	7,630.00	11,472.15	7,766.47	65.16	67.28	95.12	-2,051.56	914.43	1,650.97	1,526.12	124.84	13.224		
12,200.00	7,630.00	11,588.97	7,754.41	66.41	68.98	94.71	-2,167.76	914.16	1,649.98	1,521.78	128.20	12.870		
12,292.84	7,630.00	11,656.97	7,748.55	67.59	69.98	94.51	-2,235.49	914.01	1,649.24	1,519.32	129.92	12.694		
12,300.00	7,630.00	11,662.14	7,748.25	67.68	70.05	94.49	-2,240.66	913.97	1,649.25	1,519.20	130.05	12.682		
12,400.00	7,630.00	11,782.47	7,743.90	68.99	71.83	94.34	-2,360.91	913.64	1,648.93	1,515.22	133.71	12.332		
12,486.72	7,630.00	11,850.95	7,743.03	70.15	72.85	94.32	-2,429.37	913.73	1,648.45	1,512.87	135.58	12.159		
12,500.00	7,630.00	11,861.75	7,743.03	70.33	73.01	94.32	-2,440.18	913.68	1,648.46	1,512.58	135.88	12.132		
12,600.00	7,630.00	11,951.97	7,744.25	71.68	74.36	94.36	-2,530.38	913.04	1,648.93	1,510.44	138.49	11.906		
12,700.00	7,630.00	12,076.68	7,746.70	73.06	76.25	94.44	-2,655.07	912.58	1,649.17	1,506.66	142.51	11.573		
12,800.00	7,630.00	12,178.06	7,749.42	74.45	77.80	94.54	-2,756.40	913.78	1,647.85	1,502.22	145.63	11.315		
12,900.00	7,630.00	12,278.96	7,753.79	75.87	79.36	94.69	-2,857.21	914.30	1,647.36	1,498.58	148.78	11.073		
13,000.00	7,630.00	12,391.48	7,758.77	77.29	81.12	94.87	-2,969.60	915.83	1,646.02	1,493.61	152.42	10.799		
13,100.00	7,630.00	12,500.82	7,763.24	78.74	82.84	95.04	-3,078.83	918.13	1,643.93	1,487.98	155.95	10.541		
13,200.00	7,630.00	12,587.53	7,767.49	80.19	84.21	95.19	-3,165.42	919.64	1,642.27	1,483.70	158.57	10.357		
13,300.00	7,630.00	12,689.64	7,772.62	81.66	85.83	95.37	-3,267.38	921.62	1,640.46	1,478.62	161.84	10.136		
13,400.00	7,630.00	12,768.55	7,777.02	83.14	87.08	95.53	-3,346.17	922.28	1,639.77	1,475.63	164.14	9.990		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
13,500.00	7,630.00	12,887.44	7,783.66	84.63	88.98	95.77	-3,464.87	923.36	1,639.10	1,470.94	168.16	9.748		
13,600.00	7,630.00	12,976.43	7,788.77	86.14	90.41	95.95	-3,553.70	924.87	1,637.71	1,466.81	170.90	9.583		
13,637.85	7,630.00	13,003.26	7,790.44	86.71	90.84	96.01	-3,580.47	925.05	1,637.58	1,465.94	171.64	9.541		
13,700.00	7,630.00	13,070.82	7,794.68	87.65	91.92	96.16	-3,647.90	925.24	1,637.62	1,463.75	173.88	9.418		
13,800.00	7,630.00	13,193.22	7,801.59	89.17	93.90	96.41	-3,770.09	926.84	1,636.60	1,458.51	178.08	9.190		
13,900.00	7,630.00	13,267.42	7,805.25	90.70	95.10	96.54	-3,844.19	927.70	1,635.68	1,455.49	180.19	9.077		
13,905.51	7,630.00	13,271.45	7,805.43	90.78	95.17	96.54	-3,848.22	927.71	1,635.68	1,455.38	180.31	9.072		
14,000.00	7,630.00	13,344.26	7,808.00	92.24	96.34	96.63	-3,920.99	927.25	1,636.33	1,453.95	182.38	8.972		
14,100.00	7,630.00	13,440.30	7,809.24	93.78	97.88	96.67	-4,017.00	925.46	1,637.99	1,452.57	185.42	8.834		
14,200.00	7,630.00	13,553.28	7,808.12	95.33	99.70	96.63	-4,129.95	923.58	1,639.20	1,449.97	189.23	8.662		
14,300.00	7,630.00	13,632.46	7,807.40	96.89	100.98	96.60	-4,209.11	922.09	1,640.62	1,449.12	191.50	8.567		
14,400.00	7,630.00	13,664.16	7,809.96	98.46	104.81	96.71	-4,440.63	927.83	1,637.03	1,436.53	200.51	8.165		
14,500.00	7,630.00	13,946.90	7,811.61	100.03	106.20	96.79	-4,523.23	932.34	1,631.53	1,428.42	203.11	8.033		
14,600.00	7,630.00	14,016.02	7,812.47	101.61	107.35	96.83	-4,592.28	935.19	1,627.33	1,422.22	205.11	7.934		
14,700.00	7,630.00	14,067.23	7,812.77	103.20	108.20	96.84	-4,643.48	935.85	1,625.79	1,419.57	206.22	7.884		
14,701.53	7,630.00	14,068.01	7,812.77	103.22	108.21	96.85	-4,644.26	935.85	1,625.79	1,419.55	206.24	7.883		
14,800.00	7,630.00	14,133.91	7,812.50	104.78	109.29	96.83	-4,710.15	934.77	1,626.94	1,419.02	207.92	7.825		
14,900.00	7,630.00	14,227.43	7,810.74	106.38	110.82	96.76	-4,803.61	931.86	1,629.45	1,418.57	210.88	7.727		
15,000.00	7,630.00	14,338.48	7,811.63	107.98	112.64	96.78	-4,914.62	929.34	1,631.46	1,416.75	214.71	7.598		
15,100.00	7,630.00	14,461.11	7,812.15	109.58	114.66	96.79	-5,037.23	927.65	1,632.55	1,413.46	219.09	7.451		
15,200.00	7,630.00	14,553.70	7,813.20	111.19	116.19	96.83	-5,129.82	926.69	1,633.37	1,411.31	222.05	7.356		
15,300.00	7,630.00	14,672.54	7,815.02	112.81	118.17	96.89	-5,248.64	926.14	1,633.69	1,407.42	226.27	7.220		
15,400.00	7,630.00	14,787.82	7,816.14	114.42	120.10	96.94	-5,363.91	926.97	1,632.75	1,402.44	230.30	7.090		
15,500.00	7,630.00	14,877.00	7,817.67	116.05	121.60	96.99	-5,453.07	927.79	1,631.71	1,398.57	233.14	6.999		
15,600.00	7,630.00	14,988.25	7,819.51	117.67	123.46	97.06	-5,564.30	928.63	1,630.84	1,393.83	237.00	6.881		
15,700.00	7,630.00	15,068.62	7,821.92	119.30	124.82	97.15	-5,644.64	929.14	1,630.23	1,390.80	239.43	6.809		
15,800.00	7,630.00	15,184.56	7,826.10	120.93	126.77	97.30	-5,760.49	930.03	1,629.58	1,386.06	243.53	6.692		
15,900.00	7,630.00	15,288.56	7,828.52	122.57	128.53	97.39	-5,864.46	931.35	1,628.28	1,381.21	247.06	6.591		
16,000.00	7,630.00	15,384.01	7,829.99	124.21	130.15	97.45	-5,959.89	932.38	1,627.07	1,376.86	250.21	6.503		
16,100.00	7,630.00	15,467.65	7,831.33	125.85	131.56	97.50	-6,043.52	932.91	1,626.35	1,373.57	252.79	6.434		
16,102.91	7,630.00	15,469.78	7,831.38	125.90	131.60	97.50	-6,045.65	932.91	1,626.35	1,373.51	252.85	6.432		
16,200.00	7,630.00	15,551.47	7,833.49	127.50	132.97	97.58	-6,127.30	932.30	1,627.03	1,371.69	255.35	6.372		
16,300.00	7,630.00	15,673.01	7,837.21	129.15	135.03	97.71	-6,248.78	931.83	1,627.52	1,367.77	259.75	6.266		
16,400.00	7,630.00	15,789.04	7,840.95	130.80	137.00	97.84	-6,364.75	933.07	1,626.56	1,362.69	263.87	6.164		
16,500.00	7,630.00	15,889.28	7,843.87	132.46	138.71	97.95	-6,464.94	934.45	1,625.26	1,358.01	267.25	6.081		
16,600.00	7,630.00	15,989.74	7,846.86	134.11	140.42	98.07	-6,565.34	936.19	1,623.63	1,352.99	270.63	5.999		
16,700.00	7,630.00	16,069.77	7,848.79	135.77	141.79	98.14	-6,645.34	936.72	1,622.95	1,349.90	273.05	5.944		
16,800.00	7,630.00	16,179.99	7,851.66	137.43	143.66	98.24	-6,755.52	937.02	1,622.75	1,345.84	276.90	5.860		
16,900.00	7,630.00	16,322.36	7,854.65	139.10	146.10	98.37	-6,897.83	940.01	1,620.63	1,338.40	282.23	5.742		
17,000.00	7,630.00	16,394.59	7,855.18	140.77	147.34	98.39	-6,970.03	941.68	1,618.11	1,333.76	284.35	5.691		
17,100.00	7,630.00	16,479.49	7,855.49	142.44	148.79	98.41	-7,054.93	942.40	1,616.97	1,329.95	287.02	5.634		
17,200.00	7,630.00	16,574.89	7,855.79	144.11	150.42	98.42	-7,150.32	942.67	1,616.41	1,326.23	290.18	5.570		
17,300.00	7,630.00	16,669.42	7,856.13	145.78	152.04	98.44	-7,244.86	942.70	1,616.10	1,322.80	293.30	5.510		
17,400.00	7,630.00	16,774.82	7,857.15	147.46	153.84	98.48	-7,350.26	942.78	1,615.83	1,318.88	296.95	5.441		
17,500.00	7,630.00	16,885.09	7,859.14	149.13	155.73	98.55	-7,460.50	943.50	1,615.13	1,314.30	300.83	5.369		
17,600.00	7,630.00	17,003.66	7,861.29	150.81	157.77	98.64	-7,579.03	945.46	1,613.43	1,308.33	305.10	5.288		
17,700.00	7,630.00	17,116.96	7,863.18	152.49	159.73	98.72	-7,692.28	948.44	1,610.74	1,301.65	309.09	5.211		
17,800.00	7,630.00	17,224.91	7,864.56	154.18	161.60	98.79	-7,800.17	951.92	1,607.41	1,294.57	312.85	5.138		
17,900.00	7,630.00	17,313.63	7,865.11	155.86	163.13	98.83	-7,888.85	954.55	1,604.25	1,288.50	315.75	5.081		
18,000.00	7,630.00	17,400.55	7,865.23	157.55	164.63	98.84	-7,975.74	956.44	1,601.79	1,283.24	318.55	5.028		
18,100.00	7,630.00	17,490.04	7,865.75	159.24	166.18	98.87	-8,065.23	957.74	1,600.10	1,278.65	321.45	4.978		
18,200.00	7,630.00	17,587.80	7,866.92	160.92	167.86	98.92	-8,162.96	959.00	1,598.68	1,273.94	324.74	4.923		

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



## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<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						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	17,673.70	7,867.89	162.62	169.34	98.96	-8,248.86	959.55	1,597.89	1,270.45	327.44	4.880	
18,367.83	7,630.00	17,735.51	7,868.49	163.76	170.41	98.98	-8,310.66	959.55	1,597.76	1,268.32	329.44	4.850	
18,400.00	7,630.00	17,764.83	7,868.76	164.31	170.91	98.99	-8,339.98	959.47	1,597.79	1,267.40	330.39	4.836	
18,458.39	7,630.00	17,821.94	7,869.27	165.30	171.89	99.01	-8,397.09	959.22	1,597.94	1,265.63	332.31	4.809 SF	



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	-18.58	218.21	-73.36	230.43				
100.00	100.00	92.65	92.65	0.13	0.16	-18.66	217.60	-73.49	229.69	229.40	0.29	788.715	
200.00	200.00	196.74	196.71	0.49	0.39	-18.97	215.36	-74.03	227.83	226.95	0.88	258.657	
300.00	300.00	301.50	301.29	0.85	0.78	-19.99	209.79	-76.33	223.53	221.90	1.63	137.516	
400.00	400.00	399.40	398.80	1.21	1.15	-21.85	202.74	-81.29	218.61	216.26	2.35	93.167	
500.00	500.00	495.49	494.44	1.57	1.53	-24.18	196.72	-88.35	215.69	212.61	3.07	70.146	
600.00	600.00	593.48	591.73	1.93	1.92	-27.28	190.47	-98.24	214.32	210.49	3.83	55.974	
648.41	648.41	640.68	638.41	2.10	2.12	-29.15	186.98	-104.29	214.10	209.90	4.20	50.956 CC	
700.00	700.00	690.27	687.33	2.29	2.33	-31.31	183.17	-111.42	214.41	209.81	4.60	46.571 ES	
800.00	800.00	786.02	781.38	2.64	2.76	-36.03	175.33	-127.54	216.98	211.58	5.40	40.168	
900.00	900.00	879.58	872.59	3.00	3.22	-41.30	166.85	-146.60	222.78	216.57	6.21	35.878	
1,000.00	1,000.00	979.98	970.10	3.36	3.73	-46.97	157.28	-168.46	231.32	224.27	7.06	32.774	
1,100.00	1,100.00	1,079.43	1,066.96	3.72	4.24	-52.03	147.20	-188.64	240.38	232.49	7.89	30.479	
1,200.00	1,199.98	1,177.66	1,162.53	4.07	4.75	-108.06	136.34	-208.57	251.22	242.53	8.69	28.918	
1,300.00	1,299.84	1,277.28	1,259.71	4.43	5.27	-113.16	125.32	-227.54	264.21	254.74	9.47	27.908	
1,400.00	1,399.45	1,373.62	1,353.97	4.79	5.75	-117.96	115.18	-244.65	279.87	269.67	10.20	27.444 SF	
1,500.00	1,498.70	1,464.64	1,442.89	5.15	6.22	-122.52	105.38	-261.41	299.93	289.06	10.87	27.582	
1,600.00	1,597.47	1,553.23	1,529.20	5.53	6.68	-126.82	95.95	-279.04	325.59	314.06	11.52	28.261	
1,700.00	1,695.62	1,643.10	1,616.56	5.93	7.17	-130.95	86.12	-297.70	356.30	344.13	12.17	29.278	
1,800.00	1,793.06	1,733.82	1,704.70	6.35	7.65	-134.82	75.81	-316.51	391.29	378.46	12.82	30.512	
1,900.00	1,889.64	1,824.78	1,793.26	6.79	8.14	-138.22	66.31	-334.97	430.08	416.60	13.48	31.897	
2,000.00	1,985.27	1,917.22	1,883.53	7.27	8.61	-141.23	57.48	-352.81	471.90	457.75	14.16	33.336	
2,100.00	2,079.82	2,005.31	1,969.82	7.79	9.05	-143.55	51.07	-369.31	516.74	501.94	14.80	34.904	
2,200.00	2,173.17	2,084.82	2,047.70	8.36	9.45	-145.27	46.30	-384.62	565.34	549.94	15.40	36.706	
2,300.00	2,265.21	2,159.33	2,120.52	8.97	9.82	-146.63	42.24	-399.88	618.15	602.18	15.98	38.695	
2,400.00	2,355.84	2,234.33	2,193.64	9.64	10.21	-147.81	38.53	-416.15	674.96	658.39	16.57	40.742	
2,500.00	2,444.94	2,309.28	2,266.62	10.36	10.60	-148.89	34.54	-432.75	735.16	717.99	17.17	42.814	
2,591.69	2,525.19	2,378.39	2,333.88	11.07	10.96	-149.76	31.04	-448.22	792.99	775.25	17.74	44.699	
2,600.00	2,532.40	2,385.07	2,340.38	11.14	11.00	-149.92	30.72	-449.71	798.33	780.53	17.80	44.852	
2,700.00	2,619.15	2,466.14	2,419.38	11.96	11.42	-151.61	26.98	-467.54	862.53	844.07	18.47	46.711	
2,800.00	2,705.89	2,530.91	2,482.47	12.81	11.76	-152.83	23.42	-481.75	927.24	908.22	19.01	48.768	
2,900.00	2,792.64	2,606.16	2,555.68	13.67	12.16	-154.16	18.21	-498.36	992.69	973.05	19.65	50.527	
3,000.00	2,879.39	2,685.46	2,632.94	14.55	12.58	-155.40	12.60	-515.35	1,057.99	1,037.67	20.32	52.076	
3,100.00	2,966.14	2,765.37	2,710.86	15.44	13.00	-156.53	6.71	-532.06	1,123.24	1,102.25	20.99	53.506	
3,200.00	3,052.88	2,852.20	2,795.70	16.34	13.45	-157.61	0.63	-549.52	1,188.01	1,166.29	21.72	54.686	
3,300.00	3,139.63	2,935.02	2,876.75	17.25	13.87	-158.52	-4.93	-565.58	1,252.37	1,229.94	22.43	55.844	
3,400.00	3,226.38	2,992.58	2,933.02	18.17	14.16	-159.09	-8.76	-577.06	1,317.22	1,294.27	22.94	57.418	
3,500.00	3,313.12	3,047.63	2,986.70	19.09	14.45	-159.59	-12.48	-588.71	1,383.10	1,359.67	23.44	59.016	
3,600.00	3,399.87	3,097.92	3,035.55	20.02	14.73	-160.01	-16.19	-600.07	1,450.26	1,426.37	23.89	60.702	
3,700.00	3,486.62	3,165.19	3,100.70	20.96	15.10	-160.54	-21.58	-615.94	1,518.36	1,493.87	24.49	62.003	
3,800.00	3,573.37	3,256.03	3,188.78	21.90	15.60	-161.22	-29.14	-636.83	1,586.29	1,561.01	25.28	62.745	
3,900.00	3,660.11	3,361.93	3,291.93	22.84	16.17	-161.96	-37.92	-659.12	1,652.89	1,626.70	26.19	63.116	
4,000.00	3,746.86	3,432.75	3,361.10	23.78	16.54	-162.42	-43.55	-673.24	1,718.72	1,691.91	26.82	64.095	
4,100.00	3,833.61	3,490.00	3,416.87	24.73	16.84	-162.76	-48.17	-685.30	1,785.38	1,758.04	27.34	65.313	
4,200.00	3,920.35	3,536.16	3,461.71	25.68	17.10	-163.00	-51.86	-695.64	1,852.97	1,825.20	27.77	66.730	
4,300.00	4,007.10	3,586.57	3,510.51	26.63	17.38	-163.24	-55.69	-707.70	1,921.52	1,893.29	28.23	68.056	
4,400.00	4,093.85	3,709.67	3,629.85	27.59	18.06	-163.74	-64.08	-736.67	1,989.64	1,960.33	29.31	67.875	
4,500.00	4,180.60	3,802.41	3,720.29	28.55	18.55	-164.14	-70.89	-756.00	2,056.03	2,025.90	30.13	68.244	
4,600.00	4,267.34	3,856.41	3,772.90	29.50	18.84	-164.35	-74.97	-767.47	2,122.86	2,092.23	30.63	69.307	
4,700.00	4,354.09	3,939.61	3,853.90	30.46	19.28	-164.68	-81.50	-785.33	2,189.99	2,158.62	31.37	69.812	
4,800.00	4,440.84	4,017.26	3,929.59	31.42	19.70	-164.98	-87.96	-801.43	2,256.81	2,224.75	32.06	70.385	
4,900.00	4,527.58	4,082.30	3,992.97	32.39	20.04	-165.21	-93.31	-814.99	2,323.71	2,291.05	32.66	71.155	

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,614.33	4,137.35	4,046.54	33.35	20.34	-165.42	-98.30	-826.63	2,391.13	2,357.97	33.17	72.090		
5,100.00	4,701.08	4,194.17	4,101.74	34.31	20.65	-165.62	-103.87	-838.90	2,459.12	2,425.43	33.69	72.982		
5,200.00	4,787.82	4,373.02	4,276.04	35.28	21.60	-166.20	-119.72	-875.60	2,526.51	2,491.31	35.20	71.770		
5,300.00	4,874.57	4,469.90	4,371.02	36.25	22.08	-166.49	-126.97	-893.26	2,591.50	2,555.45	36.04	71.901		
5,400.00	4,961.32	4,873.34	4,770.64	37.21	23.75	-167.56	-146.49	-942.45	2,651.70	2,612.79	38.91	68.143		
5,500.00	5,048.07	5,140.11	5,037.23	38.18	24.52	-168.21	-148.56	-949.73	2,701.86	2,661.29	40.58	66.588		
5,600.00	5,134.81	5,225.74	5,122.86	39.15	24.73	-168.43	-148.85	-949.57	2,750.83	2,709.56	41.27	66.648		
5,700.00	5,221.56	5,313.02	5,210.14	40.12	24.95	-168.65	-149.55	-949.30	2,799.93	2,757.96	41.98	66.700		
5,800.00	5,308.31	5,405.96	5,303.07	41.09	25.17	-168.89	-150.61	-948.63	2,848.90	2,806.19	42.71	66.708		
5,900.00	5,395.05	5,488.01	5,385.10	42.06	25.37	-169.10	-151.71	-947.85	2,897.80	2,854.42	43.39	66.792		
6,000.00	5,481.80	5,560.09	5,457.18	43.03	25.56	-169.27	-152.62	-947.57	2,947.12	2,903.10	44.02	66.950		
6,100.00	5,568.55	5,646.76	5,543.85	44.00	25.79	-169.46	-153.26	-947.70	2,996.66	2,951.92	44.74	66.986		
6,200.00	5,655.30	5,745.27	5,642.35	44.97	26.06	-169.64	-153.14	-948.10	3,046.04	3,000.53	45.51	66.925		
6,300.00	5,742.04	5,834.38	5,731.46	45.94	26.30	-169.80	-152.64	-948.46	3,095.24	3,049.00	46.24	66.937		
6,400.00	5,828.79	5,916.30	5,813.38	46.92	26.52	-169.94	-152.13	-948.85	3,144.49	3,097.56	46.93	67.000		
6,500.00	5,915.54	5,992.50	5,889.58	47.89	26.73	-170.06	-151.70	-949.39	3,193.96	3,146.36	47.60	67.101		
6,600.00	6,002.28	6,069.64	5,966.71	48.86	26.95	-170.18	-151.34	-950.19	3,243.72	3,195.44	48.27	67.197		
6,700.00	6,089.03	6,151.01	6,048.08	49.83	27.19	-170.30	-150.89	-951.30	3,293.70	3,244.73	48.97	67.259		
6,800.00	6,175.78	6,229.71	6,126.76	50.81	27.42	-170.42	-150.69	-952.31	3,343.78	3,294.12	49.66	67.340		
6,900.00	6,262.53	6,299.00	6,196.05	51.78	27.62	-170.52	-150.63	-953.54	3,394.28	3,343.99	50.29	67.497		
7,000.00	6,349.27	6,390.57	6,287.60	52.76	27.90	-170.64	-150.49	-955.37	3,444.95	3,393.90	51.05	67.483		
7,100.00	6,436.02	6,475.00	6,372.01	53.73	28.16	-170.75	-150.21	-957.03	3,495.52	3,443.75	51.77	67.520		
7,200.00	6,522.77	6,566.61	6,463.61	54.71	28.43	-170.87	-149.90	-958.80	3,546.07	3,493.54	52.53	67.502		
7,300.00	6,609.51	6,670.50	6,567.48	55.68	28.75	-171.01	-149.95	-960.17	3,596.36	3,543.00	53.37	67.391		
7,400.00	6,696.26	6,793.10	6,690.08	56.66	29.09	-171.20	-151.09	-959.93	3,645.91	3,591.62	54.28	67.164		
7,500.00	6,783.01	6,879.32	6,776.29	57.63	29.32	-171.33	-151.70	-959.40	3,695.09	3,640.09	55.00	67.189		
7,600.00	6,869.76	6,950.05	6,847.02	58.61	29.51	-171.43	-152.13	-959.25	3,744.52	3,688.89	55.63	67.315		
7,683.49	6,942.18	7,011.09	6,908.06	59.42	29.69	-171.51	-152.55	-959.34	3,786.07	3,729.90	56.17	67.404		
7,700.00	6,956.57	7,023.23	6,920.20	59.58	29.73	-174.79	-152.64	-959.38	3,794.21	3,737.94	56.28	67.420		
7,750.00	7,000.85	7,060.36	6,957.33	60.04	29.84	174.49	-152.90	-959.57	3,817.74	3,761.15	56.60	67.456		
7,800.00	7,045.94	7,097.64	6,994.61	60.46	29.95	162.66	-153.20	-959.81	3,839.42	3,782.51	56.90	67.472		
7,850.00	7,091.49	7,135.27	7,032.23	60.84	30.06	150.07	-153.57	-960.10	3,859.10	3,801.90	57.20	67.466		
7,900.00	7,137.15	7,173.73	7,070.69	61.17	30.18	137.48	-153.99	-960.46	3,876.64	3,819.15	57.49	67.433		
7,950.00	7,182.58	7,212.12	7,109.07	61.44	30.30	125.76	-154.39	-960.91	3,891.95	3,834.19	57.76	67.379		
8,000.00	7,227.43	7,256.45	7,153.39	61.67	30.43	115.59	-154.87	-961.50	3,904.92	3,846.87	58.06	67.259		
8,050.00	7,271.36	7,309.74	7,206.68	61.84	30.60	107.23	-155.52	-962.05	3,915.38	3,856.99	58.39	67.052		
8,100.00	7,314.04	7,350.42	7,247.36	61.96	30.72	100.49	-156.11	-962.35	3,923.30	3,864.65	58.64	66.902		
8,150.00	7,355.14	7,383.30	7,280.23	62.04	30.82	95.15	-156.69	-962.60	3,928.82	3,869.98	58.83	66.777		
8,200.00	7,394.34	7,414.83	7,311.75	62.07	30.92	91.03	-157.34	-962.87	3,931.97	3,872.95	59.01	66.630		
8,250.00	7,431.36	7,463.38	7,360.28	62.06	31.07	88.10	-158.44	-963.23	3,932.70	3,873.41	59.29	66.333		
8,300.00	7,465.90	8,300.00	7,465.07	62.01	31.43	86.65	-160.51	-962.77	3,930.58	3,868.32	62.26	63.132		
8,350.00	7,497.71	7,666.54	7,563.39	61.93	31.64	85.96	-161.63	-960.91	3,925.70	3,865.28	60.42	64.969		
8,400.00	7,526.53	7,704.29	7,601.13	61.81	31.74	85.25	-161.73	-959.99	3,918.48	3,857.85	60.63	64.626		
8,450.00	7,552.17	7,752.00	7,648.83	61.66	31.86	85.23	-161.64	-958.73	3,909.19	3,848.29	60.90	64.188		
8,500.00	7,574.41	7,792.81	7,689.61	61.48	31.97	85.63	-161.38	-957.51	3,897.95	3,836.81	61.15	63.748		
8,550.00	7,593.09	7,861.65	7,758.40	61.29	32.14	86.89	-160.50	-954.99	3,884.88	3,823.33	61.55	63.119		
8,600.00	7,608.07	8,600.00	7,759.32	61.07	34.01	87.59	-160.37	-954.82	3,870.05	3,806.17	63.87	60.590		
8,650.00	7,619.23	7,919.97	7,816.65	60.84	32.29	89.51	-159.29	-952.33	3,854.02	3,792.04	61.98	62.178		
8,700.00	7,626.48	7,930.53	7,827.19	60.60	32.31	91.06	-159.04	-951.82	3,836.72	3,774.59	62.13	61.753		
8,750.00	7,629.78	7,934.09	7,830.75	60.35	32.32	92.81	-158.95	-951.64	3,818.38	3,756.12	62.26	61.331		
8,766.45	7,630.00	7,933.75	7,830.41	60.27	32.32	93.42	-158.95	-951.66	3,812.15	3,749.85	62.30	61.193		
8,800.00	7,630.00	7,932.33	7,828.99	60.10	32.32	93.40	-158.99	-951.73	3,799.45	3,737.08	62.37	60.914		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
8,900.00	7,630.00	7,928.17	7,824.84	59.61	32.31	93.33	-159.09	-951.93	3,763.15	3,700.52	62.64	60.079		
9,000.00	7,630.00	7,924.16	7,820.83	59.15	32.30	93.27	-159.19	-952.13	3,729.18	3,666.23	62.95	59.244		
9,100.00	7,630.00	7,920.27	7,816.95	58.71	32.29	93.20	-159.29	-952.32	3,697.59	3,634.29	63.30	58.413		
9,200.00	7,630.00	7,916.51	7,813.20	58.30	32.28	93.14	-159.38	-952.50	3,668.46	3,604.76	63.70	57.588		
9,300.00	7,630.00	7,912.87	7,809.56	57.91	32.27	93.08	-159.46	-952.67	3,641.84	3,577.69	64.15	56.773		
9,400.00	7,630.00	9,400.00	7,769.66	57.54	36.05	92.43	-160.22	-954.41	3,617.78	3,548.72	69.06	52.389		
9,500.00	7,630.00	9,500.00	7,768.17	57.19	36.31	92.41	-160.24	-954.47	3,596.32	3,526.43	69.89	51.454		
9,600.00	7,630.00	9,600.00	7,766.67	56.87	36.56	92.39	-160.26	-954.53	3,577.53	3,506.76	70.77	50.552		
9,700.00	7,630.00	7,906.35	7,803.04	56.57	32.25	92.98	-159.61	-952.97	3,561.51	3,495.12	66.39	53.644		
9,800.00	7,630.00	7,900.71	7,797.42	56.30	32.24	92.89	-159.73	-953.24	3,548.19	3,481.17	67.02	52.943		
9,900.00	7,630.00	7,895.42	7,792.13	56.05	32.23	92.80	-159.85	-953.49	3,537.65	3,469.97	67.68	52.270		
10,000.00	7,630.00	7,890.44	7,787.16	55.82	32.21	92.72	-159.95	-953.73	3,529.91	3,461.54	68.37	51.630		
10,100.00	7,630.00	7,885.75	7,782.48	55.63	32.20	92.64	-160.05	-953.94	3,524.99	3,455.90	69.08	51.025		
10,200.00	7,630.00	7,881.33	7,778.06	55.46	32.19	92.57	-160.14	-954.14	3,522.90	3,453.08	69.82	50.458		
10,223.81	7,630.00	7,880.31	7,777.04	55.42	32.19	92.55	-160.16	-954.19	3,522.82	3,452.81	70.00	50.324		
10,300.00	7,630.00	7,877.14	7,773.87	55.32	32.18	92.50	-160.22	-954.33	3,523.64	3,453.07	70.57	49.931		
10,400.00	7,630.00	7,873.17	7,769.91	55.22	32.17	92.44	-160.30	-954.50	3,527.22	3,455.88	71.33	49.447		
10,500.00	7,630.00	7,869.41	7,766.16	55.15	32.16	92.38	-160.36	-954.66	3,533.62	3,461.51	72.10	49.007		
10,600.00	7,630.00	7,865.84	7,762.59	55.14	32.15	92.32	-160.43	-954.82	3,542.83	3,469.95	72.88	48.612		
10,700.00	7,630.00	7,862.45	7,759.20	55.18	32.14	92.26	-160.49	-954.96	3,554.83	3,481.18	73.65	48.264		
10,800.00	7,630.00	7,859.21	7,755.97	55.28	32.13	92.21	-160.54	-955.09	3,569.59	3,495.17	74.43	47.962		
10,900.00	7,630.00	7,856.13	7,752.89	55.47	32.13	92.16	-160.59	-955.22	3,587.08	3,511.89	75.19	47.708		
11,000.00	7,630.00	7,853.19	7,749.95	55.74	32.12	92.11	-160.64	-955.34	3,607.26	3,531.31	75.94	47.500		
11,100.00	7,630.00	7,850.38	7,747.15	56.11	32.11	92.07	-160.69	-955.45	3,630.07	3,553.39	76.68	47.339		
11,200.00	7,630.00	7,847.70	7,744.46	56.60	32.11	92.02	-160.73	-955.56	3,655.48	3,578.08	77.41	47.225		
11,300.00	7,630.00	7,845.12	7,741.89	57.20	32.10	91.98	-160.77	-955.66	3,683.43	3,605.32	78.11	47.156		
11,400.00	7,630.00	7,842.66	7,739.43	57.91	32.09	91.94	-160.80	-955.76	3,713.86	3,635.07	78.80	47.132		
11,500.00	7,630.00	7,840.30	7,737.07	58.72	32.09	91.90	-160.84	-955.85	3,746.72	3,667.26	79.46	47.151		
11,600.00	7,630.00	7,838.03	7,734.81	59.63	32.08	91.87	-160.87	-955.94	3,781.93	3,701.83	80.10	47.214		
11,700.00	7,630.00	7,835.85	7,732.63	60.61	32.08	91.83	-160.90	-956.02	3,819.43	3,738.72	80.72	47.317		
11,800.00	7,630.00	7,833.76	7,730.54	61.67	32.07	91.80	-160.93	-956.10	3,859.17	3,777.86	81.31	47.461		
11,900.00	7,630.00	7,831.74	7,728.52	62.78	32.07	91.77	-160.96	-956.17	3,901.06	3,819.18	81.88	47.644		
12,000.00	7,630.00	7,829.80	7,726.59	63.95	32.06	91.73	-160.98	-956.25	3,945.04	3,862.62	82.42	47.865		
12,100.00	7,630.00	7,827.94	7,724.72	65.16	32.06	91.70	-161.01	-956.31	3,991.04	3,908.10	82.94	48.121		
12,200.00	7,630.00	7,826.13	7,722.92	66.41	32.05	91.67	-161.03	-956.38	4,038.99	3,955.56	83.43	48.413		
12,300.00	7,630.00	7,824.40	7,721.18	67.68	32.05	91.65	-161.05	-956.44	4,088.83	4,004.93	83.89	48.738		
12,400.00	7,630.00	7,822.72	7,719.51	68.99	32.04	91.62	-161.07	-956.50	4,140.48	4,056.14	84.34	49.095		
12,500.00	7,630.00	7,821.10	7,717.89	70.33	32.04	91.59	-161.09	-956.56	4,193.88	4,109.13	84.75	49.483		
12,600.00	7,630.00	7,819.53	7,716.32	71.68	32.03	91.57	-161.11	-956.62	4,248.96	4,163.81	85.15	49.901		
12,700.00	7,630.00	7,818.02	7,714.81	73.06	32.03	91.54	-161.13	-956.67	4,305.66	4,220.14	85.52	50.347		
12,800.00	7,630.00	7,816.55	7,713.34	74.45	32.03	91.52	-161.15	-956.72	4,363.92	4,278.05	85.87	50.820		
12,900.00	7,630.00	7,815.13	7,711.92	75.87	32.02	91.50	-161.16	-956.77	4,423.66	4,337.46	86.20	51.319		
13,000.00	7,630.00	7,813.76	7,710.55	77.29	32.02	91.47	-161.18	-956.82	4,484.85	4,398.34	86.51	51.842		
13,100.00	7,630.00	7,812.43	7,709.22	78.74	32.02	91.45	-161.19	-956.86	4,547.40	4,460.60	86.80	52.390		
13,200.00	7,630.00	7,811.13	7,707.93	80.19	32.01	91.43	-161.21	-956.91	4,611.28	4,524.21	87.07	52.960		
13,300.00	7,630.00	7,809.88	7,706.68	81.66	32.01	91.41	-161.22	-956.95	4,676.42	4,589.10	87.33	53.551		
13,400.00	7,630.00	7,808.67	7,705.46	83.14	32.01	91.39	-161.23	-956.99	4,742.78	4,655.21	87.56	54.163		
13,500.00	7,630.00	7,807.49	7,704.28	84.63	32.00	91.37	-161.24	-957.03	4,810.30	4,722.51	87.79	54.795		
13,600.00	7,630.00	7,806.34	7,703.14	86.14	32.00	91.35	-161.25	-957.07	4,878.93	4,790.94	88.00	55.445		
13,700.00	7,630.00	7,805.23	7,702.02	87.65	32.00	91.33	-161.27	-957.11	4,948.64	4,860.45	88.19	56.114		
13,800.00	7,630.00	7,804.14	7,700.94	89.17	32.00	91.32	-161.28	-957.14	5,019.36	4,930.99	88.37	56.799		
13,900.00	7,630.00	7,803.09	7,699.89	90.70	31.99	91.30	-161.29	-957.18	5,091.07	5,002.53	88.54	57.501		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
14,000.00	7,630.00	7,802.06	7,698.86	92.24	31.99	91.28	-161.30	-957.21	5,163.72	5,075.03	88.70	58.218		
14,100.00	7,630.00	7,801.07	7,697.87	93.78	31.99	91.27	-161.31	-957.24	5,237.28	5,148.43	88.84	58.950		
14,200.00	7,630.00	7,800.10	7,696.90	95.33	31.99	91.25	-161.32	-957.28	5,311.69	5,222.71	88.98	59.696		
14,300.00	7,630.00	7,799.15	7,695.95	96.89	31.98	91.24	-161.32	-957.31	5,386.93	5,297.83	89.11	60.456		
14,400.00	7,630.00	7,798.23	7,695.03	98.46	31.98	91.22	-161.33	-957.34	5,462.97	5,373.75	89.22	61.228		
14,500.00	7,630.00	7,797.33	7,694.13	100.03	31.98	91.21	-161.34	-957.37	5,539.77	5,450.44	89.33	62.013		
14,600.00	7,630.00	7,796.52	7,693.32	101.61	31.98	91.19	-161.35	-957.39	5,617.30	5,527.87	89.43	62.809		
14,700.00	7,630.00	7,795.76	7,692.56	103.20	31.97	91.18	-161.35	-957.42	5,695.53	5,606.00	89.53	63.617		
14,800.00	7,630.00	7,795.01	7,691.81	104.78	31.97	91.17	-161.36	-957.44	5,774.43	5,684.82	89.62	64.435		
14,900.00	7,630.00	7,794.28	7,691.08	106.38	31.97	91.16	-161.37	-957.46	5,853.98	5,764.28	89.70	65.263		
15,000.00	7,630.00	7,793.55	7,690.36	107.98	31.97	91.14	-161.37	-957.49	5,934.14	5,844.37	89.77	66.101		
15,100.00	7,630.00	7,792.84	7,689.65	109.58	31.97	91.13	-161.38	-957.51	6,014.90	5,925.06	89.84	66.949		
15,200.00	7,630.00	7,792.14	7,688.95	111.19	31.97	91.12	-161.38	-957.53	6,096.23	6,006.32	89.91	67.805		
15,300.00	7,630.00	7,791.46	7,688.26	112.81	31.96	91.11	-161.39	-957.55	6,178.11	6,088.14	89.97	68.670		
15,400.00	7,630.00	7,790.78	7,687.59	114.42	31.96	91.10	-161.40	-957.57	6,260.51	6,170.49	90.02	69.542		
15,500.00	7,630.00	7,790.11	7,686.92	116.05	31.96	91.09	-161.40	-957.59	6,343.42	6,253.35	90.08	70.423		
15,600.00	7,630.00	7,789.46	7,686.27	117.67	31.96	91.08	-161.41	-957.61	6,426.82	6,336.69	90.12	71.310		
15,700.00	7,630.00	7,788.82	7,685.62	119.30	31.96	91.07	-161.41	-957.63	6,510.68	6,420.51	90.17	72.205		
15,800.00	7,630.00	7,788.18	7,684.99	120.93	31.96	91.06	-161.42	-957.65	6,595.00	6,504.79	90.21	73.107		
15,900.00	7,630.00	7,787.56	7,684.37	122.57	31.95	91.05	-161.42	-957.67	6,679.74	6,589.49	90.25	74.014		
16,000.00	7,630.00	7,786.94	7,683.75	124.21	31.95	91.04	-161.43	-957.69	6,764.90	6,674.62	90.29	74.928		
16,100.00	7,630.00	7,786.34	7,683.15	125.85	31.95	91.03	-161.43	-957.71	6,850.47	6,760.15	90.32	75.848		
16,200.00	7,630.00	7,785.74	7,682.55	127.50	31.95	91.02	-161.44	-957.73	6,936.42	6,846.07	90.35	76.773		
16,300.00	7,630.00	7,785.16	7,681.97	129.15	31.95	91.01	-161.44	-957.75	7,022.74	6,932.36	90.38	77.703		
16,400.00	7,630.00	7,784.58	7,681.39	130.80	31.95	91.00	-161.45	-957.77	7,109.42	7,019.01	90.41	78.639		
16,500.00	7,630.00	7,784.01	7,680.82	132.46	31.94	90.99	-161.45	-957.78	7,196.45	7,106.01	90.43	79.579		
16,600.00	7,630.00	7,783.45	7,680.26	134.11	31.94	90.98	-161.45	-957.80	7,283.81	7,193.35	90.46	80.524		
16,700.00	7,630.00	7,782.90	7,679.71	135.77	31.94	90.97	-161.46	-957.82	7,371.49	7,281.01	90.48	81.473		
16,800.00	7,630.00	7,782.35	7,679.16	137.43	31.94	90.96	-161.46	-957.84	7,459.48	7,368.98	90.50	82.426		
16,900.00	7,630.00	7,781.82	7,678.63	139.10	31.94	90.95	-161.47	-957.85	7,547.76	7,457.25	90.52	83.383		
17,000.00	7,630.00	7,781.29	7,678.10	140.77	31.94	90.94	-161.47	-957.87	7,636.34	7,545.80	90.54	84.344		
17,100.00	7,630.00	7,780.77	7,677.58	142.44	31.94	90.94	-161.47	-957.88	7,725.20	7,634.64	90.56	85.308		
17,200.00	7,630.00	7,780.25	7,677.07	144.11	31.93	90.93	-161.48	-957.90	7,814.32	7,723.75	90.57	86.276		
17,300.00	7,630.00	7,779.75	7,676.56	145.78	31.93	90.92	-161.48	-957.91	7,903.71	7,813.12	90.59	87.247		
17,400.00	7,630.00	7,779.25	7,676.06	147.46	31.93	90.91	-161.48	-957.93	7,993.35	7,902.74	90.61	88.221		
17,500.00	7,630.00	7,778.76	7,675.57	149.13	31.93	90.90	-161.49	-957.95	8,083.23	7,992.61	90.62	89.198		
17,600.00	7,630.00	7,778.27	7,675.08	150.81	31.93	90.90	-161.49	-957.96	8,173.34	8,082.71	90.64	90.178		
17,700.00	7,630.00	7,777.79	7,674.60	152.49	31.93	90.89	-161.49	-957.97	8,263.69	8,173.04	90.65	91.160		
17,800.00	7,630.00	7,777.32	7,674.13	154.18	31.93	90.88	-161.50	-957.99	8,354.25	8,263.59	90.66	92.145		
17,900.00	7,630.00	7,776.85	7,673.67	155.86	31.93	90.87	-161.50	-958.00	8,445.03	8,354.35	90.68	93.132		
18,000.00	7,630.00	7,776.39	7,673.21	157.55	31.92	90.87	-161.50	-958.02	8,536.01	8,445.32	90.69	94.121		
18,100.00	7,630.00	7,775.94	7,672.75	159.24	31.92	90.86	-161.51	-958.03	8,627.19	8,536.48	90.71	95.112		
18,200.00	7,630.00	7,775.49	7,672.31	160.92	31.92	90.85	-161.51	-958.04	8,718.56	8,627.85	90.72	96.105		
18,300.00	7,630.00	7,775.05	7,671.87	162.62	31.92	90.84	-161.51	-958.06	8,810.13	8,719.39	90.73	97.100		
18,400.00	7,630.00	7,774.62	7,671.43	164.31	31.92	90.84	-161.52	-958.07	8,901.87	8,811.12	90.75	98.097		
18,458.39	7,630.00	7,774.36	7,671.18	165.30	31.92	90.83	-161.52	-958.08	8,955.52	8,864.77	90.75	98.679		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	-25.52	218.21	-104.16	242.00				
100.00	100.00	88.31	88.30	0.13	0.15	-25.41	218.68	-103.89	242.11	241.83	0.28	867.172 ES	
200.00	200.00	182.05	182.03	0.49	0.39	-25.13	220.46	-103.43	243.64	242.76	0.88	276.260	
300.00	300.00	272.35	272.19	0.85	0.72	-25.15	224.81	-105.53	248.99	247.41	1.58	158.045	
400.00	400.00	363.51	362.95	1.21	1.06	-25.72	230.99	-111.26	257.81	255.55	2.26	113.861	
500.00	500.00	454.02	452.72	1.57	1.42	-26.50	239.29	-119.30	269.97	267.01	2.96	91.317	
600.00	600.00	543.77	541.31	1.93	1.80	-27.29	249.92	-128.95	285.41	281.77	3.64	78.369	
700.00	700.00	631.79	627.70	2.29	2.20	-28.00	262.83	-139.75	304.12	299.80	4.32	70.398	
800.00	800.00	718.46	712.11	2.64	2.63	-28.71	277.99	-152.28	326.40	321.41	4.99	65.405	
900.00	900.00	804.26	794.98	3.00	3.09	-29.55	294.62	-167.00	351.73	346.08	5.66	62.194	
1,000.00	1,000.00	887.50	874.53	3.36	3.57	-30.35	312.92	-183.25	380.57	374.27	6.31	60.338	
1,100.00	1,100.00	978.27	960.63	3.72	4.12	-31.21	334.27	-202.49	411.68	404.68	7.00	58.848	
1,200.00	1,199.98	1,073.24	1,050.74	4.07	4.72	-32.66	356.40	-222.75	442.55	434.83	7.72	57.325	
1,300.00	1,299.84	1,162.36	1,135.01	4.43	5.29	-33.23	377.99	-242.09	474.15	465.75	8.40	56.432	
1,400.00	1,399.45	1,253.49	1,220.99	4.79	5.89	-33.99	400.98	-261.70	506.34	497.23	9.10	55.627	
1,500.00	1,498.70	1,340.63	1,303.01	5.15	6.48	-34.88	423.32	-280.80	539.12	529.34	9.78	55.109	
1,600.00	1,597.47	1,419.52	1,376.73	5.53	7.03	-35.72	444.79	-298.92	573.94	563.52	10.42	55.106	
1,700.00	1,695.62	1,496.06	1,447.58	5.93	7.59	-36.50	467.44	-316.98	611.28	600.23	11.05	55.324	
1,800.00	1,793.06	1,568.07	1,513.51	6.35	8.15	-37.25	489.93	-335.18	651.35	639.67	11.67	55.797	
1,900.00	1,889.64	1,654.41	1,591.92	6.79	8.84	-38.50	517.05	-359.09	693.74	681.28	12.46	55.683	
2,000.00	1,985.27	1,742.69	1,672.34	7.27	9.55	-39.85	544.11	-383.46	736.40	723.10	13.31	55.348	
2,100.00	2,079.82	1,826.51	1,748.68	7.79	10.22	-41.15	569.24	-407.26	780.22	766.06	14.16	55.098	
2,200.00	2,173.17	1,907.85	1,822.74	8.36	10.88	-42.45	592.99	-431.07	825.41	810.36	15.05	54.855	
2,300.00	2,265.21	1,990.01	1,897.44	8.97	11.56	-43.74	617.13	-455.32	872.27	856.27	16.00	54.521	
2,400.00	2,355.84	2,086.94	1,985.90	9.64	12.34	-45.38	645.52	-482.97	919.90	902.75	17.15	53.645	
2,500.00	2,444.94	2,188.68	2,079.61	10.36	13.13	-47.09	674.61	-509.82	967.15	948.76	18.40	52.567	
2,591.69	2,525.19	2,268.91	2,153.85	11.07	13.74	-48.25	697.47	-529.91	1,011.03	991.55	19.48	51.898	
2,600.00	2,532.40	2,275.82	2,160.25	11.14	13.79	-48.43	699.44	-531.61	1,015.06	995.48	19.58	51.845	
2,700.00	2,619.15	2,358.33	2,236.68	11.96	14.41	-100.52	723.14	-551.71	1,064.01	1,043.26	20.75	51.271	
2,800.00	2,705.89	2,437.10	2,309.73	12.81	15.01	-102.39	745.33	-571.11	1,114.04	1,092.14	21.90	50.858	
2,900.00	2,792.64	2,522.84	2,389.36	13.67	15.65	-104.29	769.05	-592.25	1,164.89	1,141.76	23.13	50.367	
3,000.00	2,879.39	2,602.69	2,463.56	14.55	16.24	-105.91	791.27	-611.65	1,216.38	1,192.08	24.30	50.052	
3,100.00	2,966.14	2,682.22	2,537.43	15.44	16.84	-107.40	813.63	-630.88	1,268.65	1,243.17	25.48	49.798	
3,200.00	3,052.88	2,761.76	2,611.34	16.34	17.43	-108.80	835.70	-650.27	1,321.61	1,294.97	26.65	49.594	
3,300.00	3,139.63	2,844.10	2,687.95	17.25	18.04	-110.17	858.06	-670.53	1,375.16	1,347.32	27.85	49.385	
3,400.00	3,226.38	2,930.10	2,768.16	18.17	18.67	-111.52	880.92	-691.53	1,428.95	1,399.88	29.07	49.148	
3,500.00	3,313.12	3,012.70	2,845.36	19.09	19.27	-112.75	902.34	-711.59	1,482.96	1,452.69	30.26	49.004	
3,600.00	3,399.87	3,087.16	2,914.99	20.02	19.80	-113.80	921.38	-729.87	1,537.54	1,506.18	31.36	49.027	
3,700.00	3,486.62	3,157.92	2,980.96	20.96	20.33	-114.72	940.04	-747.38	1,592.91	1,560.49	32.42	49.126	
3,800.00	3,573.37	3,238.99	3,056.21	21.90	20.93	-115.66	962.70	-767.31	1,648.90	1,615.30	33.60	49.072	
3,900.00	3,660.11	3,313.76	3,125.56	22.84	21.50	-116.46	983.89	-785.49	1,705.07	1,670.36	34.71	49.121	
4,000.00	3,746.86	3,382.95	3,189.66	23.78	22.02	-117.18	1,003.31	-802.87	1,762.06	1,726.30	35.76	49.280	
4,100.00	3,833.61	3,475.07	3,275.10	24.73	22.72	-118.08	1,028.87	-825.92	1,819.17	1,782.12	37.05	49.102	
4,200.00	3,920.35	3,556.88	3,351.13	25.68	23.33	-118.84	1,051.33	-846.16	1,876.21	1,837.99	38.22	49.086	
4,300.00	4,007.10	3,640.54	3,428.98	26.63	23.95	-119.58	1,073.96	-866.77	1,933.31	1,893.90	39.41	49.054	
4,400.00	4,093.85	3,729.75	3,512.16	27.59	24.60	-120.34	1,097.74	-888.55	1,990.34	1,949.69	40.66	48.957	
4,500.00	4,180.60	3,857.94	3,632.44	28.55	25.51	-121.37	1,131.00	-917.85	2,046.03	2,003.72	42.31	48.363	
4,600.00	4,267.34	3,914.17	3,685.20	29.50	25.91	-121.79	1,145.77	-930.51	2,101.81	2,058.62	43.19	48.669	
4,700.00	4,354.09	3,964.14	3,731.83	30.46	26.27	-122.14	1,159.31	-942.28	2,158.77	2,114.78	43.99	49.072	
4,800.00	4,440.84	4,023.00	3,786.44	31.42	26.71	-122.53	1,175.56	-957.08	2,217.11	2,172.22	44.89	49.389	
4,900.00	4,527.58	4,061.57	3,822.07	32.39	27.01	-122.78	1,186.23	-967.28	2,276.58	2,231.03	45.54	49.987	
5,000.00	4,614.33	4,117.00	3,873.19	33.35	27.44	-123.14	1,201.25	-982.56	2,337.14	2,290.75	46.39	50.385	

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,701.08	4,174.53	3,926.10	34.31	27.90	-123.50	1,216.82	-998.92	2,398.52	2,351.28	47.25	50.764		
5,200.00	4,787.82	4,281.72	4,024.55	35.28	28.75	-124.13	1,246.31	-1,029.38	2,460.19	2,411.46	48.72	50.492		
5,300.00	4,874.57	4,342.63	4,080.72	36.25	29.23	-124.47	1,262.87	-1,046.12	2,521.10	2,471.48	49.63	50.802		
5,400.00	4,961.32	4,397.00	4,130.71	37.21	29.66	-124.78	1,277.28	-1,061.92	2,583.15	2,532.71	50.44	51.212		
5,500.00	5,048.07	4,444.16	4,173.91	38.18	30.04	-125.03	1,289.84	-1,076.06	2,646.02	2,594.86	51.16	51.719		
5,600.00	5,134.81	4,556.89	4,276.96	39.15	30.95	-125.60	1,320.78	-1,109.71	2,709.24	2,656.53	52.71	51.394		
5,700.00	5,221.56	4,733.79	4,440.28	40.12	32.33	-126.39	1,369.71	-1,156.79	2,769.38	2,714.34	55.04	50.313		
5,800.00	5,308.31	4,799.65	4,501.19	41.09	32.84	-126.65	1,388.48	-1,173.37	2,828.91	2,772.89	56.02	50.498		
5,900.00	5,395.05	4,847.39	4,545.12	42.06	33.21	-126.83	1,402.44	-1,185.80	2,889.26	2,832.48	56.77	50.891		
6,000.00	5,481.80	4,892.91	4,586.80	43.03	33.58	-126.98	1,415.97	-1,198.10	2,950.52	2,893.02	57.49	51.320		
6,100.00	5,568.55	4,936.74	4,626.88	44.00	33.93	-127.14	1,428.72	-1,210.47	3,012.70	2,954.51	58.18	51.779		
6,200.00	5,655.30	5,192.03	4,863.84	44.97	35.86	-128.13	1,496.51	-1,276.75	3,072.36	3,010.95	61.42	50.025		
6,300.00	5,742.04	5,624.48	5,279.24	45.94	38.39	-130.13	1,583.49	-1,356.74	3,125.71	3,059.95	65.76	47.533		
6,400.00	5,828.79	5,879.45	5,530.89	46.92	39.42	-131.58	1,612.55	-1,385.33	3,172.88	3,105.06	67.82	46.783		
6,500.00	5,915.54	6,008.82	5,659.50	47.89	39.85	-132.37	1,622.14	-1,395.49	3,216.82	3,147.85	68.97	46.640		
6,600.00	6,002.28	6,185.46	5,835.59	48.86	40.35	-133.49	1,630.25	-1,406.43	3,259.68	3,189.42	70.26	46.396		
6,700.00	6,089.03	6,700.00	5,989.33	49.83	41.42	-134.52	1,631.84	-1,411.85	3,300.09	3,227.98	72.11	45.764		
6,800.00	6,175.78	6,494.81	6,144.81	50.81	40.98	-135.55	1,631.52	-1,413.47	3,338.36	3,266.02	72.33	46.151		
6,900.00	6,262.53	6,558.55	6,208.54	51.78	41.10	-135.96	1,631.86	-1,414.09	3,377.32	3,304.24	73.08	46.215		
7,000.00	6,349.27	6,626.04	6,276.02	52.76	41.24	-136.38	1,632.47	-1,415.14	3,417.09	3,343.27	73.83	46.286		
7,100.00	6,436.02	7,100.00	6,433.29	53.73	42.19	-137.32	1,633.78	-1,416.92	3,456.98	3,381.43	75.55	45.756 SF		
7,200.00	6,522.77	6,908.52	6,558.47	54.71	41.80	-138.06	1,634.37	-1,415.58	3,494.89	3,419.15	75.74	46.145		
7,300.00	6,609.51	6,978.00	6,627.94	55.68	41.93	-138.47	1,634.40	-1,414.84	3,533.20	3,456.74	76.46	46.209		
7,400.00	6,696.26	7,044.69	6,694.63	56.66	42.05	-138.86	1,634.13	-1,414.48	3,572.23	3,495.07	77.16	46.294		
7,500.00	6,783.01	7,110.00	6,759.94	57.63	42.17	-139.23	1,633.70	-1,414.52	3,612.05	3,534.21	77.85	46.398		
7,600.00	6,869.76	7,175.25	6,825.18	58.61	42.29	-139.60	1,633.27	-1,414.95	3,652.64	3,574.11	78.53	46.515		
7,683.49	6,942.18	7,231.31	6,881.24	59.42	42.40	-139.92	1,633.02	-1,415.59	3,687.06	3,607.97	79.09	46.618		
7,700.00	6,956.57	7,242.49	6,892.42	59.58	42.43	-143.16	1,632.97	-1,415.75	3,693.94	3,614.74	79.20	46.641		
7,750.00	7,000.85	7,276.85	6,926.78	60.04	42.50	-154.00	1,632.80	-1,416.29	3,715.04	3,635.53	79.51	46.726		
7,800.00	7,045.94	7,311.78	6,961.70	60.46	42.57	-166.28	1,632.61	-1,416.93	3,736.39	3,656.62	79.77	46.838		
7,850.00	7,091.49	7,347.02	6,996.93	60.84	42.64	-179.57	1,632.40	-1,417.66	3,757.80	3,677.80	80.00	46.973		
7,900.00	7,137.15	7,382.28	7,032.18	61.17	42.71	166.92	1,632.18	-1,418.49	3,779.11	3,698.93	80.18	47.132		
7,950.00	7,182.58	7,445.36	7,095.25	61.44	42.84	154.19	1,631.71	-1,419.94	3,800.03	3,719.60	80.43	47.248		
8,000.00	7,227.43	7,499.93	7,149.80	61.67	42.96	142.85	1,631.17	-1,420.90	3,820.18	3,739.58	80.60	47.395		
8,050.00	7,271.36	7,535.51	7,185.38	61.84	43.03	133.09	1,630.74	-1,421.54	3,839.74	3,759.06	80.68	47.595		
8,100.00	7,314.04	7,570.11	7,219.96	61.96	43.10	124.91	1,630.26	-1,422.24	3,858.64	3,777.93	80.71	47.807		
8,150.00	7,355.14	7,594.36	7,244.20	62.04	43.15	118.03	1,629.94	-1,422.79	3,876.83	3,796.15	80.69	48.047		
8,200.00	7,394.34	7,615.03	7,264.86	62.07	43.20	112.26	1,629.80	-1,423.37	3,894.31	3,813.68	80.63	48.301		
8,250.00	7,431.36	7,634.31	7,284.14	62.06	43.24	107.43	1,629.77	-1,424.01	3,910.98	3,830.44	80.54	48.562		
8,300.00	7,465.90	7,989.17	7,638.69	62.01	43.95	107.01	1,626.51	-1,422.30	3,925.70	3,844.17	81.52	48.155		
8,350.00	7,497.71	8,014.69	7,664.18	61.93	44.00	103.92	1,626.19	-1,421.13	3,937.73	3,856.29	81.43	48.354		
8,400.00	7,526.53	8,037.74	7,687.21	61.81	44.04	101.34	1,625.95	-1,420.12	3,948.94	3,867.61	81.33	48.556		
8,450.00	7,552.17	8,058.45	7,707.90	61.66	44.07	99.17	1,625.77	-1,419.24	3,959.30	3,878.09	81.21	48.755		
8,500.00	7,574.41	8,076.53	7,725.96	61.48	44.11	97.36	1,625.63	-1,418.49	3,968.80	3,887.73	81.07	48.953		
8,550.00	7,593.09	8,091.69	7,741.11	61.29	44.13	95.86	1,625.52	-1,417.89	3,977.41	3,896.49	80.93	49.147		
8,600.00	7,608.07	8,103.84	7,753.26	61.07	44.16	94.62	1,625.45	-1,417.41	3,985.13	3,904.35	80.77	49.337		
8,650.00	7,619.23	8,112.92	7,762.33	60.84	44.17	93.63	1,625.39	-1,417.06	3,991.92	3,911.31	80.61	49.519		
8,700.00	7,626.48	8,118.87	7,768.27	60.60	44.18	92.86	1,625.36	-1,416.84	3,997.78	3,917.33	80.45	49.694		
8,750.00	7,629.78	8,121.67	7,771.07	60.35	44.19	92.31	1,625.35	-1,416.73	4,002.67	3,922.39	80.28	49.859		
8,766.45	7,630.00	8,121.90	7,771.30	60.27	44.19	92.17	1,625.35	-1,416.72	4,004.06	3,923.84	80.22	49.912		
8,800.00	7,630.00	8,122.02	7,771.42	60.10	44.19	92.17	1,625.35	-1,416.72	4,006.94	3,926.83	80.11	50.019		
8,900.00	7,630.00	8,122.39	7,771.79	59.61	44.19	92.18	1,625.35	-1,416.70	4,017.16	3,937.38	79.79	50.348		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
9,000.00	7,630.00	8,122.75	7,772.15	59.15	44.19	92.18	1,625.34	-1,416.69	4,029.84	3,950.36	79.49	50.698		
9,100.00	7,630.00	8,123.11	7,772.51	58.71	44.19	92.19	1,625.34	-1,416.68	4,044.95	3,965.75	79.21	51.067		
9,200.00	7,630.00	8,123.47	7,772.87	58.30	44.19	92.20	1,625.34	-1,416.66	4,062.47	3,983.52	78.95	51.455		
9,300.00	7,630.00	8,123.83	7,773.22	57.91	44.19	92.20	1,625.34	-1,416.65	4,082.37	4,003.65	78.72	51.860		
9,400.00	7,630.00	8,124.18	7,773.58	57.54	44.19	92.21	1,625.34	-1,416.64	4,104.60	4,026.09	78.51	52.282		
9,500.00	7,630.00	8,124.53	7,773.93	57.19	44.19	92.21	1,625.34	-1,416.62	4,129.14	4,050.81	78.32	52.721		
9,600.00	7,630.00	8,124.88	7,774.27	56.87	44.19	92.22	1,625.33	-1,416.61	4,155.93	4,077.78	78.16	53.175		
9,700.00	7,630.00	8,125.22	7,774.62	56.57	44.20	92.22	1,625.33	-1,416.60	4,184.95	4,106.94	78.01	53.644		
9,800.00	7,630.00	8,125.56	7,774.96	56.30	44.20	92.23	1,625.33	-1,416.59	4,216.14	4,138.25	77.89	54.128		
9,900.00	7,630.00	8,125.90	7,775.30	56.05	44.20	92.23	1,625.33	-1,416.57	4,249.45	4,171.66	77.79	54.625		
10,000.00	7,630.00	8,126.23	7,775.63	55.82	44.20	92.23	1,625.33	-1,416.56	4,284.84	4,207.13	77.72	55.135		
10,100.00	7,630.00	8,126.57	7,775.96	55.63	44.20	92.24	1,625.33	-1,416.55	4,322.26	4,244.60	77.66	55.658		
10,200.00	7,630.00	8,126.90	7,776.29	55.46	44.20	92.24	1,625.33	-1,416.54	4,361.64	4,284.02	77.62	56.193		
10,300.00	7,630.00	8,127.23	7,776.62	55.32	44.20	92.25	1,625.32	-1,416.52	4,402.95	4,325.35	77.60	56.740		
10,400.00	7,630.00	8,127.55	7,776.95	55.22	44.20	92.25	1,625.32	-1,416.51	4,446.12	4,368.52	77.60	57.298		
10,500.00	7,630.00	8,127.88	7,777.27	55.15	44.20	92.26	1,625.32	-1,416.50	4,491.10	4,413.49	77.61	57.867		
10,600.00	7,630.00	8,128.20	7,777.59	55.14	44.20	92.26	1,625.32	-1,416.49	4,537.84	4,460.20	77.64	58.446		
10,700.00	7,630.00	8,128.51	7,777.91	55.18	44.20	92.27	1,625.32	-1,416.48	4,586.29	4,508.60	77.69	59.035		
10,800.00	7,630.00	8,128.83	7,778.22	55.28	44.20	92.27	1,625.32	-1,416.46	4,636.38	4,558.64	77.75	59.634		
10,900.00	7,630.00	8,129.14	7,778.54	55.47	44.20	92.28	1,625.31	-1,416.45	4,688.08	4,610.26	77.82	60.243		
11,000.00	7,630.00	8,129.45	7,778.85	55.74	44.20	92.28	1,625.31	-1,416.44	4,741.32	4,663.41	77.90	60.861		
11,100.00	7,630.00	8,129.76	7,779.16	56.11	44.20	92.29	1,625.31	-1,416.43	4,796.05	4,718.05	78.00	61.487		
11,200.00	7,630.00	8,130.07	7,779.46	56.60	44.20	92.29	1,625.31	-1,416.42	4,852.23	4,774.12	78.11	62.122		
11,300.00	7,630.00	8,130.37	7,779.77	57.20	44.20	92.29	1,625.31	-1,416.41	4,909.80	4,831.58	78.22	62.766		
11,400.00	7,630.00	8,138.00	7,787.39	57.91	44.22	92.40	1,625.28	-1,416.13	4,968.73	4,890.36	78.37	63.404		
11,500.00	7,630.00	8,138.00	7,787.39	58.72	44.22	92.40	1,625.28	-1,416.13	5,028.94	4,950.44	78.50	64.064		
11,600.00	7,630.00	8,138.00	7,787.39	59.63	44.22	92.40	1,625.28	-1,416.13	5,090.41	5,011.77	78.64	64.732		
11,700.00	7,630.00	8,138.00	7,787.39	60.61	44.22	92.40	1,625.28	-1,416.13	5,153.09	5,074.30	78.78	65.408		
11,800.00	7,630.00	8,138.00	7,787.39	61.67	44.22	92.40	1,625.28	-1,416.13	5,216.92	5,137.99	78.94	66.091		
11,900.00	7,630.00	8,138.00	7,787.39	62.78	44.22	92.40	1,625.28	-1,416.13	5,281.89	5,202.79	79.09	66.782		
12,000.00	7,630.00	8,138.00	7,787.39	63.95	44.22	92.40	1,625.28	-1,416.13	5,347.93	5,268.67	79.25	67.479		
12,100.00	7,630.00	8,138.00	7,787.39	65.16	44.22	92.40	1,625.28	-1,416.13	5,415.01	5,335.59	79.42	68.184		
12,200.00	7,630.00	8,138.00	7,787.39	66.41	44.22	92.40	1,625.28	-1,416.13	5,483.10	5,403.51	79.59	68.895		
12,300.00	7,630.00	8,138.00	7,787.39	67.68	44.22	92.40	1,625.28	-1,416.13	5,552.15	5,472.39	79.76	69.613		
12,400.00	7,630.00	8,138.00	7,787.39	68.99	44.22	92.40	1,625.28	-1,416.13	5,622.13	5,542.20	79.93	70.337		
12,500.00	7,630.00	8,138.00	7,787.39	70.33	44.22	92.40	1,625.28	-1,416.13	5,693.01	5,612.91	80.11	71.067		
12,600.00	7,630.00	8,138.00	7,787.39	71.68	44.22	92.40	1,625.28	-1,416.13	5,764.76	5,684.47	80.28	71.804		
12,700.00	7,630.00	8,138.00	7,787.39	73.06	44.22	92.40	1,625.28	-1,416.13	5,837.33	5,756.87	80.46	72.547		
12,800.00	7,630.00	8,138.00	7,787.39	74.45	44.22	92.40	1,625.28	-1,416.13	5,910.71	5,830.06	80.64	73.295		
12,900.00	7,630.00	8,138.00	7,787.39	75.87	44.22	92.40	1,625.28	-1,416.13	5,984.85	5,904.03	80.82	74.050		
13,000.00	7,630.00	8,138.00	7,787.39	77.29	44.22	92.40	1,625.28	-1,416.13	6,059.74	5,978.74	81.00	74.810		
13,100.00	7,630.00	8,138.00	7,787.39	78.74	44.22	92.40	1,625.28	-1,416.13	6,135.35	6,054.16	81.18	75.575		
13,200.00	7,630.00	8,138.00	7,787.39	80.19	44.22	92.40	1,625.28	-1,416.13	6,211.64	6,130.28	81.36	76.346		
13,300.00	7,630.00	8,138.00	7,787.39	81.66	44.22	92.40	1,625.28	-1,416.13	6,288.60	6,207.06	81.54	77.122		
13,400.00	7,630.00	8,138.00	7,787.39	83.14	44.22	92.40	1,625.28	-1,416.13	6,366.20	6,284.48	81.72	77.903		
13,500.00	7,630.00	8,138.00	7,787.39	84.63	44.22	92.40	1,625.28	-1,416.13	6,444.42	6,362.52	81.90	78.689		
13,600.00	7,630.00	8,138.00	7,787.39	86.14	44.22	92.40	1,625.28	-1,416.13	6,523.23	6,441.16	82.07	79.479		
13,700.00	7,630.00	8,138.00	7,787.39	87.65	44.22	92.40	1,625.28	-1,416.13	6,602.62	6,520.37	82.25	80.275		
13,800.00	7,630.00	8,138.00	7,787.39	89.17	44.22	92.40	1,625.28	-1,416.13	6,682.56	6,600.13	82.43	81.074		
13,900.00	7,630.00	8,138.00	7,787.39	90.70	44.22	92.40	1,625.28	-1,416.13	6,763.03	6,680.43	82.60	81.878		
14,000.00	7,630.00	8,138.00	7,787.39	92.24	44.22	92.40	1,625.28	-1,416.13	6,844.02	6,761.25	82.77	82.687		
14,100.00	7,630.00	8,138.00	7,787.39	93.78	44.22	92.40	1,625.28	-1,416.13	6,925.50	6,842.56	82.94	83.499		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
14,200.00	7,630.00	8,138.00	7,787.39	95.33	44.22	92.40	1,625.28	-1,416.13	7,007.47	6,924.36	83.11	84.316		
14,300.00	7,630.00	8,138.00	7,787.39	96.89	44.22	92.40	1,625.28	-1,416.13	7,089.90	7,006.62	83.28	85.136		
14,400.00	7,630.00	8,138.00	7,787.39	98.46	44.22	92.40	1,625.28	-1,416.13	7,172.77	7,089.33	83.44	85.960		
14,500.00	7,630.00	8,138.00	7,787.39	100.03	44.22	92.40	1,625.28	-1,416.13	7,256.08	7,172.47	83.61	86.787		
14,600.00	7,630.00	8,138.00	7,787.39	101.61	44.22	92.40	1,625.28	-1,416.13	7,339.80	7,256.03	83.77	87.618		
14,700.00	7,630.00	8,138.00	7,787.39	103.20	44.22	92.40	1,625.28	-1,416.13	7,423.93	7,340.00	83.93	88.453		
14,800.00	7,630.00	8,138.00	7,787.39	104.78	44.22	92.40	1,625.28	-1,416.13	7,508.44	7,424.35	84.09	89.290		
14,900.00	7,630.00	8,138.00	7,787.39	106.38	44.22	92.40	1,625.28	-1,416.13	7,593.33	7,509.09	84.25	90.131		
15,000.00	7,630.00	8,138.00	7,787.39	107.98	44.22	92.40	1,625.28	-1,416.13	7,678.59	7,594.19	84.40	90.975		
15,100.00	7,630.00	8,138.00	7,787.39	109.58	44.22	92.40	1,625.28	-1,416.13	7,764.20	7,679.64	84.56	91.822		
15,200.00	7,630.00	8,138.00	7,787.39	111.19	44.22	92.40	1,625.28	-1,416.13	7,850.14	7,765.43	84.71	92.671		
15,300.00	7,630.00	8,138.00	7,787.39	112.81	44.22	92.40	1,625.28	-1,416.13	7,936.42	7,851.56	84.86	93.523		
15,400.00	7,630.00	8,138.00	7,787.39	114.42	44.22	92.40	1,625.28	-1,416.13	8,023.02	7,938.01	85.01	94.378		
15,500.00	7,630.00	8,138.00	7,787.39	116.05	44.22	92.40	1,625.28	-1,416.13	8,109.92	8,024.76	85.16	95.235		
15,600.00	7,630.00	8,138.00	7,787.39	117.67	44.22	92.40	1,625.28	-1,416.13	8,197.12	8,111.82	85.30	96.095		
15,700.00	7,630.00	8,138.00	7,787.39	119.30	44.22	92.40	1,625.28	-1,416.13	8,284.61	8,199.17	85.45	96.957		
15,800.00	7,630.00	8,138.00	7,787.39	120.93	44.22	92.40	1,625.28	-1,416.13	8,372.39	8,286.80	85.59	97.821		
15,900.00	7,630.00	8,138.00	7,787.39	122.57	44.22	92.40	1,625.28	-1,416.13	8,460.43	8,374.70	85.73	98.687		
16,000.00	7,630.00	8,138.00	7,787.39	124.21	44.22	92.40	1,625.28	-1,416.13	8,548.73	8,462.87	85.87	99.556		
16,100.00	7,630.00	8,138.00	7,787.39	125.85	44.22	92.40	1,625.28	-1,416.13	8,637.30	8,551.29	86.01	100.426		
16,200.00	7,630.00	8,138.00	7,787.39	127.50	44.22	92.40	1,625.28	-1,416.13	8,726.10	8,639.96	86.14	101.298		
16,300.00	7,630.00	8,138.00	7,787.39	129.15	44.22	92.40	1,625.28	-1,416.13	8,815.15	8,728.87	86.28	102.172		
16,400.00	7,630.00	8,138.00	7,787.39	130.80	44.22	92.40	1,625.28	-1,416.13	8,904.43	8,818.02	86.41	103.048		
16,500.00	7,630.00	8,138.00	7,787.39	132.46	44.22	92.40	1,625.28	-1,416.13	8,993.94	8,907.40	86.54	103.925		
16,600.00	7,630.00	8,138.00	7,787.39	134.11	44.22	92.40	1,625.28	-1,416.13	9,083.66	8,996.99	86.67	104.803		
16,700.00	7,630.00	8,138.00	7,787.39	135.77	44.22	92.40	1,625.28	-1,416.13	9,173.60	9,086.80	86.80	105.683		
16,800.00	7,630.00	8,138.00	7,787.39	137.43	44.22	92.40	1,625.28	-1,416.13	9,263.74	9,176.81	86.93	106.565		
16,900.00	7,630.00	8,138.00	7,787.39	139.10	44.22	92.40	1,625.28	-1,416.13	9,354.09	9,267.03	87.06	107.448		
17,000.00	7,630.00	8,138.00	7,787.39	140.77	44.22	92.40	1,625.28	-1,416.13	9,444.63	9,357.45	87.18	108.332		
17,100.00	7,630.00	8,138.00	7,787.39	142.44	44.22	92.40	1,625.28	-1,416.13	9,535.36	9,448.05	87.31	109.217		
17,200.00	7,630.00	8,138.00	7,787.39	144.11	44.22	92.40	1,625.28	-1,416.13	9,626.27	9,538.84	87.43	110.103		
17,300.00	7,630.00	8,138.00	7,787.39	145.78	44.22	92.40	1,625.28	-1,416.13	9,717.36	9,629.81	87.55	110.991		
17,400.00	7,630.00	8,138.00	7,787.39	147.46	44.22	92.40	1,625.28	-1,416.13	9,808.62	9,720.95	87.67	111.879		
17,500.00	7,630.00	8,138.00	7,787.39	149.13	44.22	92.40	1,625.28	-1,416.13	9,900.05	9,812.26	87.79	112.768		
17,600.00	7,630.00	8,138.00	7,787.39	150.81	44.22	92.40	1,625.28	-1,416.13	9,991.65	9,903.74	87.91	113.658		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	-21.18	218.21	-84.56	234.23					
100.00	100.00	89.24	89.24	0.13	0.14	-21.17	218.36	-84.57	234.17	233.89	0.28	837.675 CC, ES		
200.00	200.00	187.21	187.21	0.49	0.40	-21.04	219.12	-84.31	234.80	233.90	0.89	262.680		
300.00	300.00	282.56	282.49	0.85	0.75	-20.34	221.97	-82.28	236.85	235.25	1.60	148.190		
400.00	400.00	378.06	377.76	1.21	1.10	-19.11	227.51	-78.81	241.08	238.77	2.31	104.457		
500.00	500.00	472.15	471.32	1.57	1.46	-17.22	235.48	-73.00	247.24	244.22	3.02	81.843		
600.00	600.00	563.58	561.77	1.93	1.83	-14.85	246.39	-65.31	256.46	252.72	3.74	68.642		
700.00	700.00	653.08	649.79	2.29	2.22	-12.35	260.21	-56.99	269.39	264.94	4.45	60.588		
800.00	800.00	745.84	740.52	2.64	2.65	-9.84	277.35	-48.10	285.80	280.63	5.17	55.292		
900.00	900.00	837.76	830.16	3.00	3.09	-7.54	295.63	-39.14	304.15	298.27	5.88	51.691		
1,000.00	1,000.00	928.73	918.51	3.36	3.54	-5.57	315.61	-30.75	325.06	318.47	6.59	49.312		
1,100.00	1,100.00	1,025.32	1,012.10	3.72	4.04	-3.80	338.00	-22.43	347.58	340.26	7.32	47.506		
1,200.00	1,199.98	1,124.06	1,107.91	4.07	4.55	-53.17	360.35	-13.99	368.82	360.76	8.06	45.756		
1,300.00	1,299.84	1,225.59	1,206.42	4.43	5.07	-51.92	382.90	-4.34	387.72	378.89	8.82	43.946		
1,400.00	1,399.45	1,332.37	1,310.45	4.79	5.61	-51.30	405.03	5.19	403.05	393.43	9.62	41.878		
1,500.00	1,498.70	1,420.96	1,396.78	5.15	6.06	-51.20	423.46	12.66	416.31	405.99	10.32	40.331		
1,600.00	1,597.47	1,516.06	1,488.96	5.53	6.57	-51.36	445.10	21.39	429.39	418.31	11.08	38.744		
1,700.00	1,695.62	1,608.45	1,578.10	5.93	7.08	-51.59	467.13	31.69	441.43	429.58	11.85	37.248		
1,800.00	1,793.06	1,712.79	1,678.51	6.35	7.66	-52.09	492.43	44.52	451.75	439.01	12.74	35.460		
1,900.00	1,889.64	1,818.29	1,780.36	6.79	8.24	-53.00	516.70	57.41	458.77	445.10	13.67	33.558		
2,000.00	1,985.27	1,931.04	1,889.85	7.27	8.83	-54.50	540.15	70.54	461.65	446.97	14.69	31.430		
2,100.00	2,079.82	2,042.52	1,998.91	7.79	9.38	-56.67	560.18	82.08	460.13	444.39	15.73	29.245		
2,200.00	2,173.17	2,146.75	2,101.55	8.36	9.86	-59.50	576.24	90.37	455.11	438.31	16.80	27.092		
2,300.00	2,265.21	2,244.09	2,197.37	8.97	10.30	-62.47	590.83	99.35	448.83	430.92	17.91	25.066		
2,400.00	2,355.84	2,334.20	2,285.92	9.64	10.73	-65.54	605.01	108.28	442.85	423.78	19.07	23.218		
2,500.00	2,444.94	2,425.02	2,374.80	10.36	11.17	-68.91	620.99	117.95	438.59	418.24	20.35	21.557		
2,591.69	2,525.19	2,512.24	2,460.06	11.07	11.60	-72.49	636.84	127.19	435.80	414.17	21.63	20.147		
2,600.00	2,532.40	2,520.29	2,467.93	11.14	11.64	-72.83	638.28	128.05	435.58	413.83	21.75	20.025		
2,683.98	2,605.25	2,597.53	2,543.45	11.83	12.03	-76.13	652.24	136.31	434.38	411.41	22.97	18.909		
2,700.00	2,619.15	2,611.76	2,557.35	11.96	12.10	-76.73	654.90	137.84	434.43	411.23	23.20	18.723		
2,800.00	2,705.89	2,702.60	2,645.95	12.81	12.56	-80.55	672.48	147.46	436.69	412.02	24.67	17.701		
2,900.00	2,792.64	2,815.27	2,756.00	13.67	13.12	-85.25	693.26	159.62	440.60	414.32	26.28	16.768		
3,000.00	2,879.39	2,911.34	2,850.13	14.55	13.58	-89.23	708.16	171.80	443.35	415.60	27.76	15.973		
3,100.00	2,966.14	3,002.31	2,939.07	15.44	14.03	-92.83	723.30	183.45	449.09	419.91	29.18	15.392		
3,200.00	3,052.88	3,101.35	3,035.58	16.34	14.54	-96.49	740.89	196.97	457.05	426.44	30.61	14.933		
3,300.00	3,139.63	3,189.09	3,120.76	17.25	15.00	-99.44	757.55	209.89	466.79	434.85	31.94	14.617		
3,400.00	3,226.38	3,284.76	3,213.89	18.17	15.49	-102.66	775.57	222.28	479.30	446.05	33.25	14.417		
3,500.00	3,313.12	3,377.62	3,304.59	19.09	15.96	-105.79	791.95	233.61	493.31	458.85	34.47	14.313 SF		
3,600.00	3,399.87	3,461.96	3,386.72	20.02	16.39	-108.37	808.28	243.64	509.95	474.38	35.57	14.335		
3,700.00	3,486.62	3,564.23	3,486.26	20.96	16.92	-111.27	828.86	254.87	529.01	492.22	36.79	14.380		
3,800.00	3,573.37	3,660.00	3,579.43	21.90	17.42	-113.79	847.54	266.83	547.59	509.68	37.91	14.444		
3,900.00	3,660.11	3,759.67	3,676.17	22.84	17.95	-116.15	867.79	279.68	567.11	528.06	39.04	14.525		
4,000.00	3,746.86	3,848.92	3,762.95	23.78	18.42	-118.20	885.28	291.00	587.43	547.38	40.05	14.668		
4,100.00	3,833.61	3,952.09	3,862.85	24.73	18.98	-120.23	907.24	304.43	608.76	567.58	41.18	14.782		
4,200.00	3,920.35	4,033.27	3,941.25	25.68	19.42	-121.66	925.35	315.13	630.83	588.71	42.12	14.978		
4,300.00	4,007.10	4,124.76	4,030.19	26.63	19.91	-123.34	944.41	324.97	655.26	612.18	43.08	15.210		
4,400.00	4,093.85	4,215.14	4,118.14	27.59	20.38	-124.92	962.95	334.42	680.47	636.46	44.00	15.464		
4,500.00	4,180.60	4,315.05	4,215.67	28.55	20.88	-126.65	982.26	344.28	706.52	661.55	44.97	15.711		
4,600.00	4,267.34	4,425.48	4,323.79	29.50	21.42	-128.60	1,001.04	356.54	731.57	685.62	45.95	15.921		
4,700.00	4,354.09	4,509.05	4,405.74	30.46	21.82	-130.05	1,014.35	366.07	756.76	710.09	46.67	16.213		
4,800.00	4,440.84	4,588.90	4,484.30	31.42	22.18	-131.42	1,026.39	373.75	784.10	736.79	47.31	16.572		
4,900.00	4,527.58	4,669.61	4,564.11	32.39	22.52	-132.88	1,036.69	379.89	813.69	765.82	47.88	16.996		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
5,000.00	4,614.33	4,748.10	4,642.07	33.35	22.83	-134.38	1,044.46	384.55	845.30	796.97	48.33	17.490		
5,100.00	4,701.08	4,824.42	4,718.11	34.31	23.10	-135.87	1,050.27	387.66	879.23	830.54	48.69	18.056		
5,200.00	4,787.82	4,902.95	4,796.48	35.28	23.36	-137.42	1,054.76	389.73	915.20	866.18	49.02	18.669		
5,300.00	4,874.57	4,983.05	4,876.52	36.25	23.60	-139.01	1,057.45	391.03	952.89	903.58	49.31	19.324		
5,400.00	4,961.32	5,071.06	4,964.51	37.21	23.84	-140.73	1,058.89	392.07	991.83	942.19	49.64	19.982		
5,500.00	5,048.07	5,155.42	5,048.87	38.18	24.07	-142.30	1,059.61	393.06	1,031.61	981.69	49.92	20.665		
5,600.00	5,134.81	5,227.02	5,120.46	39.15	24.25	-143.59	1,059.57	393.41	1,072.81	1,022.71	50.09	21.416		
5,700.00	5,221.56	5,299.82	5,193.25	40.12	24.44	-144.78	1,060.13	392.44	1,116.10	1,065.80	50.30	22.189		
5,800.00	5,308.31	5,384.60	5,278.01	41.09	24.66	-146.07	1,060.98	390.81	1,160.44	1,109.79	50.65	22.911		
5,900.00	5,395.05	5,475.11	5,368.50	42.06	24.89	-147.35	1,061.90	389.23	1,205.12	1,154.04	51.08	23.593		
6,000.00	5,481.80	5,562.21	5,455.59	43.03	25.12	-148.51	1,062.48	387.99	1,250.02	1,198.53	51.49	24.279		
6,100.00	5,568.55	5,639.10	5,532.47	44.00	25.32	-149.48	1,062.63	386.66	1,295.66	1,243.86	51.80	25.013		
6,200.00	5,655.30	5,728.94	5,622.30	44.97	25.55	-150.56	1,062.64	384.92	1,341.90	1,289.64	52.26	25.679		
6,300.00	5,742.04	5,814.39	5,707.73	45.94	25.77	-151.51	1,062.78	383.38	1,388.32	1,335.63	52.69	26.349		
6,400.00	5,828.79	5,914.61	5,807.94	46.92	26.04	-152.55	1,063.20	381.88	1,434.74	1,381.45	53.29	26.922		
6,500.00	5,915.54	5,991.05	5,884.37	47.89	26.24	-153.29	1,063.60	380.99	1,481.13	1,427.45	53.68	27.593		
6,600.00	6,002.28	6,082.27	5,975.58	48.86	26.49	-154.13	1,063.84	379.53	1,528.20	1,473.98	54.22	28.186		
6,700.00	6,089.03	6,175.84	6,069.14	49.83	26.74	-154.95	1,063.99	378.72	1,574.89	1,520.10	54.79	28.744		
6,800.00	6,175.78	6,254.96	6,148.26	50.81	26.96	-155.61	1,064.19	378.05	1,621.77	1,566.53	55.24	29.361		
6,900.00	6,262.53	6,336.75	6,230.04	51.78	27.18	-156.24	1,064.42	376.79	1,669.38	1,613.66	55.72	29.959		
7,000.00	6,349.27	6,429.30	6,322.59	52.76	27.44	-156.92	1,064.64	375.62	1,716.97	1,660.64	56.32	30.485		
7,100.00	6,436.02	6,528.36	6,421.64	53.73	27.71	-157.63	1,064.51	374.88	1,764.41	1,707.43	56.98	30.965		
7,200.00	6,522.77	6,628.71	6,521.98	54.71	27.98	-158.36	1,063.25	375.64	1,811.08	1,753.45	57.63	31.424		
7,300.00	6,609.51	6,714.51	6,607.76	55.68	28.21	-158.96	1,061.99	376.57	1,857.74	1,799.58	58.16	31.942		
7,400.00	6,696.26	6,799.06	6,692.31	56.66	28.44	-159.51	1,061.09	377.23	1,904.68	1,845.99	58.69	32.453		
7,500.00	6,783.01	6,889.96	6,783.20	57.63	28.69	-160.06	1,060.47	377.82	1,951.75	1,892.45	59.30	32.915		
7,600.00	6,869.76	6,986.09	6,879.33	58.61	28.97	-160.61	1,060.32	378.71	1,998.54	1,938.57	59.97	33.326		
7,683.49	6,942.18	7,060.44	6,953.68	59.42	29.19	-160.99	1,060.81	379.33	2,037.54	1,977.04	60.49	33.681		
7,700.00	6,956.57	7,074.70	6,967.93	59.58	29.23	-164.31	1,060.94	379.44	2,045.19	1,984.60	60.60	33.751		
7,750.00	7,000.85	7,118.54	7,011.77	60.04	29.36	-175.17	1,061.30	379.78	2,067.61	2,006.70	60.92	33.942		
7,800.00	7,045.94	7,168.64	7,061.86	60.46	29.52	172.85	1,061.67	380.21	2,088.71	2,027.40	61.30	34.073		
7,850.00	7,091.49	7,225.55	7,118.77	60.84	29.69	160.18	1,062.22	380.91	2,108.13	2,046.37	61.76	34.136		
7,900.00	7,137.15	7,288.56	7,181.77	61.17	29.89	147.62	1,062.88	382.10	2,125.66	2,063.39	62.27	34.136		
7,950.00	7,182.58	7,345.46	7,238.64	61.44	30.06	135.96	1,063.33	383.71	2,141.15	2,078.41	62.73	34.132		
8,000.00	7,227.43	7,389.36	7,282.52	61.67	30.20	125.73	1,063.55	385.06	2,154.85	2,091.76	63.09	34.157		
8,050.00	7,271.36	7,432.19	7,325.33	61.84	30.33	117.25	1,063.64	386.40	2,166.83	2,103.38	63.44	34.153		
8,100.00	7,314.04	7,472.91	7,366.03	61.96	30.46	110.43	1,063.87	387.57	2,177.09	2,113.29	63.80	34.123		
8,150.00	7,355.14	7,511.76	7,404.86	62.04	30.58	105.05	1,064.32	388.56	2,185.70	2,121.53	64.16	34.065		
8,200.00	7,394.34	7,553.22	7,446.30	62.07	30.71	100.95	1,064.97	389.56	2,192.65	2,128.08	64.57	33.958		
8,250.00	7,431.36	7,592.63	7,485.70	62.06	30.84	97.83	1,065.65	390.53	2,197.99	2,133.01	64.98	33.826		
8,300.00	7,465.90	7,628.72	7,521.77	62.01	30.95	95.48	1,066.30	391.44	2,201.81	2,136.43	65.39	33.674		
8,350.00	7,497.71	7,661.62	7,554.66	61.93	31.06	93.75	1,066.84	392.32	2,204.24	2,138.45	65.79	33.504		
8,400.00	7,526.53	7,691.54	7,584.56	61.81	31.15	92.52	1,067.26	393.15	2,205.40	2,139.20	66.20	33.316		
8,450.00	7,552.17	7,713.99	7,607.00	61.66	31.23	91.61	1,067.54	393.79	2,205.41	2,138.84	66.57	33.130		
8,500.00	7,574.41	7,730.70	7,623.71	61.48	31.28	90.95	1,067.72	394.23	2,204.43	2,137.51	66.92	32.940		
8,550.00	7,593.09	7,744.72	7,637.72	61.29	31.32	90.58	1,067.85	394.58	2,202.58	2,135.29	67.28	32.735		
8,600.00	7,608.07	7,755.93	7,648.93	61.07	31.36	90.43	1,067.95	394.83	2,199.91	2,132.26	67.66	32.516		
8,650.00	7,619.23	7,764.24	7,657.23	60.84	31.38	90.47	1,068.02	395.01	2,196.52	2,128.48	68.03	32.285		
8,700.00	7,626.48	7,769.56	7,662.55	60.60	31.40	90.68	1,068.06	395.12	2,192.46	2,124.04	68.42	32.045		
8,750.00	7,629.78	7,771.84	7,664.83	60.35	31.41	91.04	1,068.07	395.16	2,187.79	2,118.99	68.80	31.797		
8,766.45	7,630.00	7,771.92	7,664.91	60.27	31.41	91.18	1,068.07	395.17	2,186.13	2,117.20	68.93	31.714		
8,800.00	7,630.00	7,771.73	7,664.72	60.10	31.41	91.18	1,068.07	395.16	2,182.94	2,113.75	69.19	31.549		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
8,900.00	7,630.00	7,771.18	7,664.17	59.61	31.40	91.16	1,068.07	395.15	2,176.47	2,106.49	69.98	31.101		
8,991.05	7,630.00	7,770.67	7,663.66	59.19	31.40	91.15	1,068.06	395.14	2,174.56	2,103.85	70.71	30.753		
9,000.00	7,630.00	7,770.62	7,663.61	59.15	31.40	91.15	1,068.06	395.14	2,174.58	2,103.80	70.78	30.724		
9,100.00	7,630.00	7,770.05	7,663.04	58.71	31.40	91.13	1,068.06	395.13	2,177.29	2,105.72	71.57	30.420		
9,200.00	7,630.00	7,769.48	7,662.47	58.30	31.40	91.12	1,068.05	395.12	2,184.58	2,112.22	72.36	30.192		
9,300.00	7,630.00	7,768.90	7,661.89	57.91	31.40	91.10	1,068.05	395.11	2,196.40	2,123.28	73.12	30.039		
9,400.00	7,630.00	7,768.31	7,661.30	57.54	31.40	91.09	1,068.05	395.09	2,212.68	2,138.83	73.85	29.963		
9,500.00	7,630.00	7,767.72	7,660.71	57.19	31.39	91.07	1,068.04	395.08	2,233.33	2,158.79	74.54	29.961		
9,600.00	7,630.00	7,767.11	7,660.11	56.87	31.39	91.06	1,068.04	395.07	2,258.22	2,183.02	75.19	30.032		
9,700.00	7,630.00	7,766.50	7,659.50	56.57	31.39	91.04	1,068.03	395.06	2,287.21	2,211.41	75.80	30.175		
9,800.00	7,630.00	7,765.89	7,658.88	56.30	31.39	91.02	1,068.03	395.04	2,320.15	2,243.80	76.35	30.387		
9,900.00	7,630.00	7,765.26	7,658.25	56.05	31.39	91.01	1,068.02	395.03	2,356.88	2,280.02	76.86	30.664		
10,000.00	7,630.00	7,764.63	7,657.62	55.82	31.38	90.99	1,068.02	395.02	2,397.22	2,319.90	77.32	31.005		
10,100.00	7,630.00	7,763.98	7,656.98	55.63	31.38	90.97	1,068.01	395.00	2,440.99	2,363.27	77.72	31.406		
10,200.00	7,630.00	7,763.33	7,656.33	55.46	31.38	90.96	1,068.01	394.99	2,488.02	2,409.93	78.08	31.864		
10,300.00	7,630.00	7,762.68	7,655.67	55.32	31.38	90.94	1,068.00	394.98	2,538.11	2,459.71	78.40	32.375		
10,400.00	7,630.00	7,762.01	7,655.00	55.22	31.38	90.92	1,068.00	394.96	2,591.10	2,512.43	78.67	32.937		
10,500.00	7,630.00	7,761.33	7,654.33	55.15	31.37	90.90	1,067.99	394.95	2,646.80	2,567.90	78.90	33.546		
10,600.00	7,630.00	7,760.65	7,653.64	55.14	31.37	90.89	1,067.99	394.93	2,705.06	2,625.96	79.10	34.199		
10,700.00	7,630.00	7,759.95	7,652.95	55.18	31.37	90.87	1,067.98	394.92	2,765.70	2,686.44	79.26	34.894		
10,800.00	7,630.00	7,759.25	7,652.25	55.28	31.37	90.85	1,067.98	394.90	2,828.58	2,749.19	79.39	35.627		
10,900.00	7,630.00	7,758.54	7,651.53	55.47	31.37	90.83	1,067.97	394.89	2,893.55	2,814.05	79.50	36.396		
11,000.00	7,630.00	7,757.82	7,650.81	55.74	31.36	90.81	1,067.97	394.87	2,960.48	2,880.89	79.58	37.199		
11,100.00	7,630.00	7,757.08	7,650.08	56.11	31.36	90.79	1,067.96	394.86	3,029.22	2,949.58	79.65	38.034		
11,200.00	7,630.00	7,756.34	7,649.34	56.60	31.36	90.77	1,067.95	394.84	3,099.67	3,019.98	79.69	38.897		
11,300.00	7,630.00	7,755.59	7,648.58	57.20	31.36	90.75	1,067.95	394.82	3,171.71	3,091.99	79.72	39.788		
11,400.00	7,630.00	7,754.82	7,647.82	57.91	31.35	90.73	1,067.94	394.81	3,245.23	3,165.50	79.73	40.704		
11,500.00	7,630.00	7,754.05	7,647.05	58.72	31.35	90.71	1,067.93	394.79	3,320.13	3,240.40	79.73	41.643		
11,600.00	7,630.00	7,753.26	7,646.26	59.63	31.35	90.69	1,067.93	394.77	3,396.32	3,316.61	79.72	42.604		
11,700.00	7,630.00	7,752.47	7,645.46	60.61	31.35	90.67	1,067.92	394.75	3,473.73	3,394.03	79.70	43.586		
11,800.00	7,630.00	7,751.66	7,644.66	61.67	31.34	90.65	1,067.91	394.74	3,552.26	3,472.59	79.67	44.587		
11,900.00	7,630.00	7,750.84	7,643.84	62.78	31.34	90.63	1,067.91	394.72	3,631.85	3,552.21	79.64	45.605		
12,000.00	7,630.00	7,750.01	7,643.00	63.95	31.34	90.61	1,067.90	394.70	3,712.42	3,632.82	79.60	46.641		
12,100.00	7,630.00	7,749.16	7,642.16	65.16	31.34	90.58	1,067.89	394.68	3,793.92	3,714.37	79.55	47.691		
12,200.00	7,630.00	7,748.31	7,641.30	66.41	31.33	90.56	1,067.88	394.66	3,876.28	3,796.78	79.50	48.756		
12,300.00	7,630.00	7,747.44	7,640.43	67.68	31.33	90.54	1,067.88	394.64	3,959.46	3,880.01	79.45	49.834		
12,400.00	7,630.00	7,746.55	7,639.55	68.99	31.33	90.52	1,067.87	394.62	4,043.40	3,964.00	79.40	50.925		
12,500.00	7,630.00	7,745.66	7,638.66	70.33	31.32	90.49	1,067.86	394.60	4,128.05	4,048.71	79.34	52.027		
12,600.00	7,630.00	7,744.75	7,637.75	71.68	31.32	90.47	1,067.85	394.58	4,213.38	4,134.09	79.29	53.141		
12,700.00	7,630.00	7,743.82	7,636.82	73.06	31.32	90.44	1,067.84	394.55	4,299.34	4,220.11	79.23	54.264		
12,800.00	7,630.00	7,742.88	7,635.88	74.45	31.32	90.42	1,067.84	394.53	4,385.89	4,306.72	79.17	55.397		
12,900.00	7,630.00	7,741.93	7,634.93	75.87	31.31	90.39	1,067.83	394.51	4,473.01	4,393.90	79.11	56.539		
13,000.00	7,630.00	7,740.96	7,633.96	77.29	31.31	90.37	1,067.82	394.49	4,560.65	4,481.60	79.06	57.689		
13,100.00	7,630.00	7,739.98	7,632.98	78.74	31.31	90.34	1,067.81	394.46	4,648.79	4,569.80	79.00	58.847		
13,200.00	7,630.00	7,738.98	7,631.98	80.19	31.30	90.32	1,067.80	394.44	4,737.41	4,658.47	78.94	60.012		
13,300.00	7,630.00	7,737.97	7,630.97	81.66	31.30	90.29	1,067.79	394.41	4,826.46	4,747.58	78.88	61.184		
13,400.00	7,630.00	7,736.93	7,629.93	83.14	31.30	90.26	1,067.78	394.39	4,915.94	4,837.11	78.83	62.363		
13,500.00	7,630.00	7,735.88	7,628.89	84.63	31.29	90.23	1,067.77	394.36	5,005.82	4,927.05	78.77	63.547		
13,600.00	7,630.00	7,734.82	7,627.82	86.14	31.29	90.21	1,067.76	394.34	5,096.07	5,017.35	78.72	64.736		
13,700.00	7,630.00	7,733.73	7,626.74	87.65	31.29	90.18	1,067.75	394.31	5,186.68	5,108.02	78.67	65.931		
13,800.00	7,630.00	7,732.63	7,625.63	89.17	31.28	90.15	1,067.74	394.28	5,277.63	5,199.02	78.62	67.131		
13,900.00	7,630.00	7,731.51	7,624.51	90.70	31.28	90.12	1,067.73	394.25	5,368.90	5,290.34	78.57	68.335		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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				
14,000.00	7,630.00	7,730.37	7,623.37	92.24	31.28	90.09	1,067.71	394.23	5,460.48	5,381.96	78.52	69.543				
14,100.00	7,630.00	7,729.21	7,622.21	93.78	31.27	90.06	1,067.70	394.20	5,552.35	5,473.88	78.47	70.755				
14,200.00	7,630.00	7,728.03	7,621.03	95.33	31.27	90.03	1,067.69	394.17	5,644.49	5,566.06	78.43	71.970				
14,300.00	7,630.00	7,726.83	7,619.83	96.89	31.27	90.00	1,067.68	394.14	5,736.90	5,658.51	78.38	73.189				
14,400.00	7,630.00	7,725.60	7,618.61	98.46	31.26	89.96	1,067.66	394.10	5,829.55	5,751.21	78.34	74.411				
14,500.00	7,630.00	7,724.36	7,617.36	100.03	31.26	89.93	1,067.65	394.07	5,922.45	5,844.15	78.30	75.636				
14,600.00	7,630.00	7,723.09	7,616.10	101.61	31.25	89.90	1,067.64	394.04	6,015.57	5,937.31	78.26	76.863				
14,700.00	7,630.00	7,721.80	7,614.81	103.20	31.25	89.86	1,067.62	394.00	6,108.91	6,030.69	78.23	78.093				
14,800.00	7,630.00	7,720.49	7,613.49	104.78	31.25	89.83	1,067.61	393.97	6,202.46	6,124.27	78.19	79.325				
14,900.00	7,630.00	7,719.15	7,612.16	106.38	31.24	89.79	1,067.59	393.93	6,296.21	6,218.05	78.16	80.559				
15,000.00	7,630.00	7,717.78	7,610.79	107.98	31.24	89.76	1,067.58	393.90	6,390.14	6,312.02	78.12	81.795				
15,100.00	7,630.00	15,100.00	7,583.52	109.58	55.32	89.04	1,067.21	393.15	6,484.26	6,381.10	103.15	62.860				
15,200.00	7,630.00	7,722.43	7,615.43	111.19	31.25	89.88	1,067.63	394.05	6,578.54	6,500.47	78.07	84.259				
15,300.00	7,630.00	7,720.16	7,613.16	112.81	31.25	89.82	1,067.61	393.98	6,673.00	6,594.95	78.05	85.501				
15,400.00	7,630.00	7,717.82	7,610.83	114.42	31.24	89.76	1,067.58	393.92	6,767.62	6,689.60	78.02	86.745				
15,500.00	7,630.00	7,715.42	7,608.43	116.05	31.23	89.70	1,067.55	393.85	6,862.38	6,784.39	77.99	87.989				
15,600.00	7,630.00	7,712.95	7,605.96	117.67	31.22	89.63	1,067.52	393.77	6,957.30	6,879.33	77.97	89.235				
15,700.00	7,630.00	7,710.41	7,603.42	119.30	31.21	89.56	1,067.49	393.70	7,052.35	6,974.41	77.94	90.481				
15,800.00	7,630.00	7,707.79	7,600.80	120.93	31.21	89.49	1,067.46	393.62	7,147.54	7,069.62	77.92	91.728				
15,900.00	7,630.00	7,705.09	7,598.11	122.57	31.20	89.42	1,067.43	393.54	7,242.86	7,164.96	77.90	92.976				
16,000.00	7,630.00	7,702.32	7,595.33	124.21	31.19	89.35	1,067.40	393.46	7,338.30	7,260.42	77.88	94.224				
16,100.00	7,630.00	7,699.45	7,592.47	125.85	31.18	89.28	1,067.36	393.38	7,433.86	7,356.00	77.86	95.473				
16,200.00	7,630.00	7,696.50	7,589.51	127.50	31.17	89.20	1,067.32	393.30	7,529.54	7,451.69	77.85	96.723				
16,300.00	7,630.00	7,693.45	7,586.47	129.15	31.16	89.12	1,067.28	393.21	7,625.33	7,547.49	77.83	97.972				
16,400.00	7,630.00	7,690.30	7,583.32	130.80	31.15	89.03	1,067.24	393.12	7,721.22	7,643.40	77.82	99.222				
16,500.00	7,630.00	7,687.04	7,580.07	132.46	31.14	88.95	1,067.20	393.03	7,817.21	7,739.41	77.81	100.472				
16,600.00	7,630.00	7,683.68	7,576.71	134.11	31.13	88.86	1,067.15	392.93	7,913.31	7,835.52	77.79	101.722				
16,700.00	7,630.00	7,680.20	7,573.23	135.77	31.12	88.77	1,067.11	392.84	8,009.50	7,931.71	77.78	102.971				
16,800.00	7,630.00	7,676.60	7,569.63	137.43	31.11	88.67	1,067.06	392.73	8,105.78	8,028.00	77.77	104.221				
16,900.00	7,630.00	7,672.88	7,565.91	139.10	31.09	88.58	1,067.00	392.63	8,202.15	8,124.38	77.77	105.471				
17,000.00	7,630.00	7,669.01	7,562.05	140.77	31.08	88.47	1,066.95	392.52	8,298.60	8,220.84	77.76	106.720				
17,100.00	7,630.00	7,665.01	7,558.05	142.44	31.07	88.37	1,066.89	392.41	8,395.14	8,317.38	77.75	107.969				
17,200.00	7,630.00	7,660.86	7,553.90	144.11	31.06	88.26	1,066.83	392.30	8,491.76	8,414.01	77.75	109.218				
17,300.00	7,630.00	7,656.55	7,549.59	145.78	31.04	88.15	1,066.76	392.18	8,588.45	8,510.70	77.75	110.466				
17,400.00	7,630.00	7,652.07	7,545.11	147.46	31.03	88.03	1,066.69	392.06	8,685.22	8,607.47	77.74	111.714				
17,500.00	7,630.00	7,647.41	7,540.46	149.13	31.01	87.91	1,066.62	391.94	8,782.05	8,704.31	77.74	112.962				
17,600.00	7,630.00	7,642.57	7,535.61	150.81	31.00	87.78	1,066.54	391.81	8,878.96	8,801.22	77.74	114.208				
17,700.00	7,630.00	7,637.52	7,530.57	152.49	30.98	87.65	1,066.45	391.67	8,975.94	8,898.19	77.74	115.455				
17,800.00	7,630.00	7,632.27	7,525.32	154.18	30.96	87.51	1,066.36	391.54	9,072.98	8,995.23	77.75	116.700				
17,900.00	7,630.00	7,626.78	7,519.83	155.86	30.95	87.37	1,066.27	391.39	9,170.08	9,092.33	77.75	117.945				
18,000.00	7,630.00	7,621.06	7,514.11	157.55	30.93	87.22	1,066.17	391.25	9,267.24	9,189.49	77.75	119.190				
18,100.00	7,630.00	7,615.07	7,508.13	159.24	30.91	87.06	1,066.06	391.09	9,364.46	9,286.71	77.76	120.433				
18,200.00	7,630.00	7,609.00	7,502.06	160.92	30.89	86.90	1,065.95	390.94	9,461.74	9,383.98	77.76	121.676				
18,300.00	7,630.00	7,609.00	7,502.06	162.62	30.89	86.90	1,065.95	390.94	9,559.07	9,481.30	77.78	122.907				
18,400.00	7,630.00	7,609.00	7,502.06	164.31	30.89	86.90	1,065.95	390.94	9,656.46	9,578.67	77.79	124.136				
18,458.39	7,630.00	7,609.00	7,502.06	165.30	30.89	86.90	1,065.95	390.94	9,713.35	9,635.55	77.80	124.853				



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	-13.84	218.21	-53.76	224.96					
100.00	100.00	89.00	89.00	0.13	0.14	-13.83	218.41	-53.77	224.93	224.65	0.28	805.167		
200.00	200.00	188.44	188.44	0.49	0.40	-13.81	219.04	-53.84	225.56	224.66	0.90	251.175		
300.00	300.00	288.17	288.16	0.85	0.76	-13.81	219.74	-54.02	226.29	224.68	1.61	140.223		
400.00	400.00	391.55	391.55	1.21	1.12	-13.75	220.13	-53.87	226.63	224.29	2.33	97.143		
500.00	500.00	499.51	499.46	1.57	1.49	-13.42	217.98	-52.00	224.29	221.23	3.06	73.299		
600.00	600.00	607.25	606.94	1.93	1.87	-12.55	212.46	-47.29	218.32	214.52	3.79	57.568		
700.00	700.00	714.59	713.59	2.29	2.27	-10.84	203.62	-38.99	208.65	204.12	4.53	46.054		
800.00	800.00	819.85	817.50	2.64	2.69	-7.91	192.27	-26.70	196.06	190.78	5.27	37.173		
900.00	900.00	923.18	918.64	3.00	3.15	-3.50	178.25	-10.90	180.87	174.83	6.04	29.956		
1,000.00	1,000.00	1,021.30	1,014.07	3.36	3.61	2.26	163.46	6.45	165.35	158.52	6.83	24.203		
1,100.00	1,100.00	1,121.27	1,111.04	3.72	4.11	9.55	147.52	24.81	151.07	143.38	7.68	19.664		
1,200.00	1,199.98	1,216.09	1,203.01	4.07	4.60	-33.92	132.34	42.16	138.05	129.49	8.57	16.117		
1,300.00	1,299.84	1,314.20	1,298.56	4.43	5.10	-26.01	117.49	58.73	125.34	115.88	9.46	13.244		
1,400.00	1,399.45	1,411.87	1,393.85	4.79	5.60	-17.46	102.72	74.29	111.78	101.42	10.36	10.792		
1,500.00	1,498.70	1,508.94	1,488.41	5.15	6.10	-6.80	87.59	90.15	97.96	86.72	11.24	8.717		
1,600.00	1,597.47	1,605.31	1,581.96	5.53	6.61	7.76	71.54	106.80	85.46	73.43	12.03	7.106		
1,700.00	1,695.62	1,701.09	1,674.94	5.93	7.12	26.33	55.75	123.58	77.40	64.82	12.58	6.152		
1,763.76	1,757.84	1,762.32	1,734.46	6.19	7.45	39.74	46.05	134.11	75.78	62.97	12.81	5.916 CC, ES		
1,800.00	1,793.06	1,797.07	1,768.29	6.35	7.63	47.60	40.65	139.99	76.34	63.42	12.92	5.908 SF		
1,900.00	1,889.64	1,893.02	1,861.79	6.79	8.13	68.63	25.98	155.73	83.96	70.58	13.38	6.273		
2,000.00	1,985.27	1,989.70	1,956.44	7.27	8.62	86.58	12.54	170.09	98.94	84.69	14.24	6.947		
2,100.00	2,079.82	2,085.12	2,050.24	7.79	9.07	100.48	0.90	183.24	119.83	104.50	15.33	7.816		
2,200.00	2,173.17	2,176.51	2,140.24	8.36	9.50	111.32	-10.51	194.25	146.96	130.52	16.44	8.937		
2,300.00	2,265.21	2,263.37	2,225.51	8.97	9.92	119.08	-22.94	205.09	181.46	163.98	17.48	10.383		
2,400.00	2,355.84	2,348.70	2,308.84	9.64	10.36	124.50	-36.91	217.05	222.36	203.90	18.46	12.043		
2,500.00	2,444.94	2,437.74	2,395.59	10.36	10.83	128.66	-51.80	230.43	267.19	247.69	19.50	13.701		
2,591.69	2,525.19	2,520.56	2,476.35	11.07	11.26	131.69	-64.89	243.36	310.33	289.86	20.47	15.164		
2,600.00	2,532.40	2,528.06	2,483.66	11.14	11.30	132.00	-66.02	244.55	314.31	293.75	20.55	15.292		
2,700.00	2,619.15	2,615.36	2,568.74	11.96	11.76	135.00	-79.20	259.04	362.50	340.94	21.55	16.819		
2,800.00	2,705.89	2,707.60	2,658.61	12.81	12.24	137.33	-92.42	275.03	410.47	387.87	22.60	18.162		
2,900.00	2,792.64	2,795.54	2,744.37	13.67	12.70	139.09	-104.32	290.45	458.11	434.52	23.59	19.420		
3,000.00	2,879.39	2,874.97	2,821.85	14.55	13.12	140.43	-115.45	303.94	506.55	482.07	24.48	20.696		
3,100.00	2,966.14	2,957.70	2,902.58	15.44	13.55	141.66	-127.90	317.10	556.34	530.95	25.39	21.911		
3,200.00	3,052.88	3,042.10	2,984.86	16.34	14.00	142.70	-140.93	330.66	606.58	580.25	26.33	23.039		
3,300.00	3,139.63	3,126.08	3,066.62	17.25	14.44	143.54	-154.22	344.43	657.18	629.91	27.26	24.104		
3,400.00	3,226.38	3,216.16	3,154.48	18.17	14.91	144.39	-168.32	358.42	708.00	679.73	28.26	25.049		
3,500.00	3,313.12	3,309.15	3,245.34	19.09	15.39	145.17	-181.63	373.03	757.74	728.45	29.29	25.871		
3,600.00	3,399.87	3,392.40	3,326.73	20.02	15.82	145.79	-193.50	385.89	807.61	777.40	30.20	26.738		
3,700.00	3,486.62	3,476.72	3,409.12	20.96	16.25	146.34	-205.84	398.96	857.84	826.70	31.13	27.553		
3,800.00	3,573.37	3,564.25	3,494.67	21.90	16.70	146.87	-218.58	412.38	908.11	876.01	32.10	28.292		
3,900.00	3,660.11	3,650.93	3,579.43	22.84	17.14	147.34	-231.08	425.56	958.38	925.33	33.05	28.997		
4,000.00	3,746.86	3,747.04	3,673.61	23.78	17.62	147.87	-244.12	439.54	1,008.22	974.13	34.09	29.573		
4,100.00	3,833.61	3,829.75	3,754.65	24.73	18.04	148.27	-255.22	451.80	1,057.90	1,022.91	34.99	30.232		
4,200.00	3,920.35	3,913.74	3,836.66	25.68	18.47	148.56	-267.20	465.38	1,107.82	1,071.89	35.93	30.831		
4,300.00	4,007.10	4,018.63	3,939.10	26.63	19.02	148.89	-281.66	482.68	1,157.30	1,120.20	37.10	31.197		
4,400.00	4,093.85	4,104.88	4,023.53	27.59	19.45	149.17	-292.55	496.55	1,205.99	1,167.94	38.05	31.694		
4,500.00	4,180.60	4,166.89	4,084.05	28.55	19.78	149.32	-301.17	506.95	1,255.52	1,216.76	38.76	32.392		
4,600.00	4,267.34	4,232.43	4,147.71	29.50	20.13	149.43	-312.01	518.12	1,306.94	1,267.43	39.51	33.080		
4,700.00	4,354.09	4,321.93	4,234.86	30.46	20.61	149.61	-326.58	532.35	1,358.62	1,318.10	40.52	33.527		
4,800.00	4,440.84	4,402.80	4,314.17	31.42	21.01	149.91	-338.68	542.52	1,410.47	1,369.08	41.39	34.077		
4,900.00	4,527.58	4,522.10	4,431.96	32.39	21.53	150.50	-353.33	554.34	1,461.18	1,418.59	42.59	34.311		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,614.33	4,618.33	4,527.45	33.35	21.93	151.07	-362.74	561.61	1,510.95	1,467.45	43.49	34.739		
5,100.00	4,701.08	4,718.87	4,627.46	34.31	22.31	151.71	-370.95	567.85	1,560.08	1,515.68	44.40	35.137		
5,200.00	4,787.82	4,819.59	4,727.84	35.28	22.66	152.38	-377.48	572.78	1,608.53	1,563.26	45.27	35.533		
5,300.00	4,874.57	4,906.93	4,815.04	36.25	22.95	153.01	-381.69	575.48	1,656.54	1,610.55	46.00	36.015		
5,400.00	4,961.32	4,981.52	4,889.52	37.21	23.19	153.55	-385.28	577.03	1,705.10	1,658.49	46.61	36.581		
5,500.00	5,048.07	5,052.00	4,959.91	38.18	23.41	154.05	-388.86	577.68	1,754.50	1,707.32	47.18	37.186		
5,600.00	5,134.81	5,119.59	5,027.39	39.15	23.62	154.53	-392.73	577.80	1,804.83	1,757.11	47.72	37.820		
5,700.00	5,221.56	5,288.71	5,196.36	40.12	24.12	155.67	-398.98	578.58	1,853.58	1,804.61	48.97	37.849		
5,800.00	5,308.31	5,380.22	5,287.86	41.09	24.36	156.30	-399.60	578.40	1,900.60	1,850.96	49.64	38.287		
5,900.00	5,395.05	5,466.50	5,374.14	42.06	24.58	156.90	-399.68	577.70	1,947.62	1,897.36	50.26	38.752		
6,000.00	5,481.80	5,549.92	5,457.56	43.03	24.78	157.45	-399.83	576.87	1,994.96	1,944.10	50.86	39.228		
6,100.00	5,568.55	5,637.72	5,545.35	44.00	25.00	158.01	-399.90	575.84	2,042.44	1,990.97	51.48	39.676		
6,200.00	5,655.30	5,725.23	5,632.86	44.97	25.22	158.54	-399.95	574.89	2,090.03	2,037.93	52.10	40.115		
6,300.00	5,742.04	5,814.68	5,722.30	45.94	25.45	159.06	-399.97	574.06	2,137.64	2,084.91	52.74	40.533		
6,400.00	5,828.79	5,902.86	5,810.48	46.92	25.67	159.54	-399.92	573.29	2,185.30	2,131.92	53.37	40.945		
6,500.00	5,915.54	5,992.46	5,900.08	47.89	25.90	160.02	-399.70	572.45	2,232.96	2,178.95	54.01	41.342		
6,600.00	6,002.28	6,074.43	5,982.04	48.86	26.11	160.45	-399.45	571.56	2,280.78	2,226.17	54.61	41.768		
6,700.00	6,089.03	6,162.72	6,070.32	49.83	26.33	160.89	-399.16	570.46	2,328.75	2,273.51	55.24	42.157		
6,800.00	6,175.78	6,254.21	6,161.80	50.81	26.57	161.33	-398.66	569.29	2,376.69	2,320.79	55.89	42.522		
6,900.00	6,262.53	6,345.20	6,252.79	51.78	26.80	161.75	-398.06	568.30	2,424.54	2,367.99	56.55	42.875		
7,000.00	6,349.27	6,429.32	6,336.90	52.76	27.02	162.12	-397.53	567.54	2,472.43	2,415.26	57.16	43.251		
7,100.00	6,436.02	6,513.50	6,421.08	53.73	27.25	162.48	-397.07	566.66	2,520.51	2,462.73	57.78	43.621		
7,200.00	6,522.77	6,605.14	6,512.71	54.71	27.49	162.85	-396.68	565.88	2,568.67	2,510.21	58.45	43.944		
7,300.00	6,609.51	6,693.40	6,600.97	55.68	27.73	163.19	-396.34	565.56	2,616.68	2,557.57	59.11	44.269		
7,400.00	6,696.26	6,776.93	6,684.50	56.66	27.96	163.49	-396.19	565.34	2,664.84	2,605.10	59.74	44.606		
7,500.00	6,783.01	6,859.65	6,767.22	57.63	28.21	163.77	-396.31	565.33	2,713.16	2,652.78	60.38	44.933		
7,600.00	6,869.76	6,941.38	6,848.94	58.61	28.46	164.02	-396.89	565.66	2,761.70	2,700.67	61.03	45.251		
7,683.49	6,942.18	7,014.55	6,922.11	59.42	28.68	164.24	-397.59	566.12	2,802.31	2,740.70	61.61	45.483		
7,700.00	6,956.57	7,028.16	6,935.72	59.58	28.73	161.29	-397.73	566.22	2,810.18	2,748.46	61.72	45.531		
7,750.00	7,000.85	7,069.49	6,977.04	60.04	28.86	151.59	-398.21	566.55	2,832.02	2,769.97	62.05	45.644		
7,800.00	7,045.94	7,111.61	7,019.16	60.46	28.99	140.76	-398.78	566.92	2,850.57	2,788.40	62.37	45.708		
7,850.00	7,091.49	7,152.44	7,059.99	60.84	29.12	129.15	-399.41	567.29	2,866.32	2,803.64	62.68	45.733		
7,900.00	7,137.15	7,193.42	7,100.96	61.17	29.25	117.51	-400.10	567.61	2,878.61	2,815.64	62.97	45.713		
7,950.00	7,182.58	7,239.11	7,146.64	61.44	29.39	106.74	-400.91	567.95	2,887.56	2,824.27	63.29	45.626		
8,000.00	7,227.43	7,286.00	7,193.52	61.67	29.54	97.46	-401.73	568.32	2,893.08	2,829.48	63.60	45.490		
8,050.00	7,271.36	7,331.83	7,239.34	61.84	29.69	89.90	-402.52	568.71	2,895.17	2,831.28	63.89	45.318		
8,100.00	7,314.04	7,376.39	7,283.89	61.96	29.83	84.01	-403.27	569.11	2,893.88	2,829.73	64.15	45.111		
8,150.00	7,355.14	7,421.68	7,329.18	62.04	29.98	79.61	-404.01	569.54	2,889.26	2,824.85	64.41	44.858		
8,200.00	7,394.34	7,466.06	7,373.55	62.07	30.12	76.47	-404.68	569.99	2,881.37	2,816.72	64.65	44.569		
8,250.00	7,431.36	7,516.11	7,423.59	62.06	30.28	74.49	-405.32	570.58	2,870.31	2,805.39	64.92	44.210		
8,300.00	7,465.90	7,568.38	7,475.85	62.01	30.45	73.48	-405.78	571.39	2,856.11	2,790.90	65.21	43.797		
8,350.00	7,497.71	7,595.84	7,503.31	61.93	30.54	72.93	-405.95	571.85	2,839.06	2,773.75	65.31	43.470		
8,400.00	7,526.53	7,616.01	7,523.48	61.81	30.60	72.96	-406.07	572.09	2,819.52	2,754.17	65.35	43.143		
8,450.00	7,552.17	7,633.92	7,541.39	61.66	30.66	73.59	-406.18	572.23	2,797.67	2,732.29	65.38	42.790		
8,500.00	7,574.41	7,649.45	7,556.92	61.48	30.70	74.78	-406.27	572.30	2,773.69	2,708.30	65.40	42.413		
8,550.00	7,593.09	7,662.51	7,569.97	61.29	30.75	76.49	-406.36	572.31	2,747.77	2,682.37	65.40	42.013		
8,600.00	7,608.07	7,672.00	7,579.46	61.07	30.78	78.67	-406.42	572.30	2,720.10	2,654.70	65.40	41.595		
8,650.00	7,619.23	7,682.22	7,589.68	60.84	30.81	81.41	-406.49	572.27	2,690.88	2,625.47	65.41	41.139		
8,700.00	7,626.48	7,688.21	7,595.68	60.60	30.82	84.57	-406.53	572.24	2,660.33	2,594.92	65.41	40.670		
8,750.00	7,629.78	7,691.09	7,598.56	60.35	30.83	88.13	-406.55	572.23	2,628.66	2,563.25	65.42	40.184		
8,766.45	7,630.00	7,691.35	7,598.82	60.27	30.83	89.39	-406.55	572.23	2,618.04	2,552.62	65.42	40.020		
8,800.00	7,630.00	7,691.54	7,599.00	60.10	30.83	89.40	-406.55	572.23	2,596.39	2,530.97	65.42	39.688		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
8,900.00	7,630.00	7,692.09	7,599.55	59.61	30.84	89.41	-406.55	572.22	2,533.42	2,467.98	65.45	38.709		
9,000.00	7,630.00	7,692.64	7,600.10	59.15	30.84	89.43	-406.56	572.22	2,472.90	2,407.39	65.51	37.749		
9,100.00	7,630.00	7,693.20	7,600.66	58.71	30.84	89.44	-406.56	572.22	2,415.00	2,349.39	65.61	36.810		
9,200.00	7,630.00	7,693.75	7,601.21	58.30	30.84	89.46	-406.57	572.22	2,359.91	2,294.17	65.75	35.894		
9,300.00	7,630.00	7,694.31	7,601.77	57.91	30.84	89.48	-406.57	572.21	2,307.85	2,241.92	65.93	35.005		
9,400.00	7,630.00	7,694.87	7,602.33	57.54	30.84	89.49	-406.57	572.21	2,259.02	2,192.86	66.16	34.144		
9,500.00	7,630.00	7,695.43	7,602.90	57.19	30.84	89.51	-406.58	572.21	2,213.63	2,147.19	66.44	33.317		
9,600.00	7,630.00	7,696.00	7,603.46	56.87	30.85	89.52	-406.58	572.20	2,171.90	2,105.12	66.77	32.527		
9,700.00	7,630.00	7,696.56	7,604.03	56.57	30.85	89.54	-406.59	572.20	2,134.04	2,066.88	67.15	31.778		
9,800.00	7,630.00	7,697.13	7,604.59	56.30	30.85	89.56	-406.59	572.20	2,100.26	2,032.68	67.58	31.076		
9,900.00	7,630.00	7,697.70	7,605.16	56.05	30.85	89.57	-406.59	572.19	2,070.77	2,002.71	68.06	30.426		
10,000.00	7,630.00	7,698.27	7,605.74	55.82	30.85	89.59	-406.60	572.19	2,045.74	1,977.16	68.58	29.832		
10,100.00	7,630.00	7,698.85	7,606.31	55.63	30.86	89.61	-406.60	572.19	2,025.35	1,956.22	69.13	29.300		
10,200.00	7,630.00	7,699.42	7,606.89	55.46	30.86	89.62	-406.61	572.19	2,009.73	1,940.03	69.70	28.834		
10,300.00	7,630.00	7,700.00	7,607.47	55.32	30.86	89.64	-406.61	572.18	1,999.00	1,928.70	70.29	28.438		
10,400.00	7,630.00	7,700.58	7,608.05	55.22	30.86	89.66	-406.61	572.18	1,993.23	1,922.33	70.89	28.115		
10,465.13	7,630.00	7,700.96	7,608.43	55.17	30.86	89.67	-406.62	572.18	1,992.16	1,920.87	71.29	27.943		
10,500.00	7,630.00	7,701.17	7,608.63	55.15	30.86	89.67	-406.62	572.18	1,992.47	1,920.97	71.49	27.869		
10,600.00	7,630.00	7,701.75	7,609.21	55.14	30.86	89.69	-406.62	572.17	1,996.72	1,924.64	72.09	27.700		
10,700.00	7,630.00	7,702.34	7,609.80	55.18	30.87	89.71	-406.63	572.17	2,005.96	1,933.30	72.66	27.608		
10,800.00	7,630.00	7,702.93	7,610.39	55.28	30.87	89.72	-406.63	572.16	2,020.11	1,946.91	73.21	27.595		
10,900.00	7,630.00	7,703.52	7,610.98	55.47	30.87	89.74	-406.63	572.16	2,039.07	1,965.35	73.72	27.659		
11,000.00	7,630.00	7,704.11	7,611.57	55.74	30.87	89.76	-406.64	572.16	2,062.72	1,988.51	74.21	27.797		
11,100.00	7,630.00	7,704.71	7,612.17	56.11	30.87	89.77	-406.64	572.15	2,090.88	2,016.23	74.65	28.009		
11,200.00	7,630.00	7,705.30	7,612.77	56.60	30.87	89.79	-406.65	572.15	2,123.38	2,048.32	75.06	28.290		
11,300.00	7,630.00	7,705.90	7,613.37	57.20	30.88	89.81	-406.65	572.15	2,160.02	2,084.60	75.42	28.638		
11,400.00	7,630.00	7,706.51	7,613.97	57.91	30.88	89.83	-406.66	572.14	2,200.61	2,124.85	75.75	29.050		
11,500.00	7,630.00	7,707.11	7,614.57	58.72	30.88	89.84	-406.66	572.14	2,244.91	2,168.87	76.04	29.521		
11,600.00	7,630.00	7,707.72	7,615.18	59.63	30.88	89.86	-406.66	572.13	2,292.73	2,216.43	76.30	30.049		
11,700.00	7,630.00	7,708.33	7,615.79	60.61	30.88	89.88	-406.67	572.13	2,343.84	2,267.31	76.52	30.629		
11,800.00	7,630.00	7,708.94	7,616.40	61.67	30.89	89.90	-406.67	572.13	2,398.03	2,321.31	76.72	31.259		
11,900.00	7,630.00	7,709.55	7,617.01	62.78	30.89	89.91	-406.68	572.12	2,455.10	2,378.22	76.88	31.934		
12,000.00	7,630.00	7,710.17	7,617.63	63.95	30.89	89.93	-406.68	572.12	2,514.85	2,437.83	77.02	32.653		
12,100.00	7,630.00	7,710.78	7,618.25	65.16	30.89	89.95	-406.69	572.11	2,577.09	2,499.96	77.13	33.410		
12,200.00	7,630.00	7,711.40	7,618.87	66.41	30.89	89.97	-406.69	572.11	2,641.66	2,564.43	77.23	34.205		
12,300.00	7,630.00	7,712.03	7,619.49	67.68	30.89	89.99	-406.70	572.10	2,708.38	2,631.07	77.31	35.034		
12,400.00	7,630.00	7,712.65	7,620.11	68.99	30.90	90.00	-406.70	572.10	2,777.10	2,699.73	77.37	35.894		
12,500.00	7,630.00	7,713.28	7,620.74	70.33	30.90	90.02	-406.71	572.10	2,847.67	2,770.26	77.42	36.783		
12,600.00	7,630.00	7,713.91	7,621.37	71.68	30.90	90.04	-406.71	572.09	2,919.97	2,842.51	77.46	37.699		
12,700.00	7,630.00	7,714.54	7,622.00	73.06	30.90	90.06	-406.72	572.09	2,993.85	2,916.37	77.48	38.640		
12,800.00	7,630.00	7,715.17	7,622.63	74.45	30.90	90.08	-406.72	572.08	3,069.22	2,991.72	77.50	39.604		
12,900.00	7,630.00	7,715.81	7,623.27	75.87	30.91	90.09	-406.72	572.08	3,145.96	3,068.45	77.51	40.589		
13,000.00	7,630.00	7,716.45	7,623.91	77.29	30.91	90.11	-406.73	572.07	3,223.98	3,146.47	77.51	41.594		
13,100.00	7,630.00	7,717.09	7,624.55	78.74	30.91	90.13	-406.73	572.07	3,303.18	3,225.67	77.51	42.617		
13,200.00	7,630.00	7,717.73	7,625.19	80.19	30.91	90.15	-406.74	572.06	3,383.48	3,305.98	77.50	43.657		
13,300.00	7,630.00	7,718.38	7,625.84	81.66	30.91	90.17	-406.74	572.06	3,464.81	3,387.31	77.49	44.712		
13,400.00	7,630.00	7,719.03	7,626.49	83.14	30.92	90.19	-406.75	572.05	3,547.09	3,469.61	77.48	45.782		
13,500.00	7,630.00	7,719.68	7,627.14	84.63	30.92	90.21	-406.75	572.05	3,630.26	3,552.80	77.46	46.866		
13,600.00	7,630.00	7,720.33	7,627.79	86.14	30.92	90.22	-406.76	572.04	3,714.26	3,636.82	77.44	47.962		
13,700.00	7,630.00	7,720.99	7,628.45	87.65	30.92	90.24	-406.76	572.04	3,799.03	3,721.61	77.42	49.069		
13,800.00	7,630.00	7,721.65	7,629.11	89.17	30.92	90.26	-406.77	572.03	3,884.53	3,807.13	77.40	50.187		
13,900.00	7,630.00	7,722.31	7,629.77	90.70	30.92	90.28	-406.77	572.03	3,970.71	3,893.33	77.38	51.315		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
14,000.00	7,630.00	7,722.97	7,630.43	92.24	30.93	90.30	-406.78	572.02	4,057.52	3,980.17	77.36	52.451		
14,100.00	7,630.00	7,723.64	7,631.10	93.78	30.93	90.32	-406.78	572.01	4,144.93	4,067.59	77.34	53.597		
14,200.00	7,630.00	7,724.31	7,631.77	95.33	30.93	90.34	-406.79	572.01	4,232.89	4,155.58	77.31	54.750		
14,300.00	7,630.00	7,724.98	7,632.44	96.89	30.93	90.36	-406.79	572.00	4,321.38	4,244.09	77.29	55.911		
14,400.00	7,630.00	7,725.65	7,633.11	98.46	30.93	90.38	-406.80	572.00	4,410.36	4,333.09	77.27	57.078		
14,500.00	7,630.00	7,726.33	7,633.79	100.03	30.94	90.40	-406.80	571.99	4,499.80	4,422.55	77.25	58.251		
14,600.00	7,630.00	7,727.01	7,634.47	101.61	30.94	90.42	-406.81	571.99	4,589.68	4,512.45	77.23	59.430		
14,700.00	7,630.00	7,727.69	7,635.15	103.20	30.94	90.44	-406.81	571.98	4,679.96	4,602.76	77.21	60.615		
14,800.00	7,630.00	7,728.37	7,635.83	104.78	30.94	90.46	-406.82	571.97	4,770.64	4,693.45	77.19	61.805		
14,900.00	7,630.00	7,729.06	7,636.52	106.38	30.95	90.48	-406.83	571.97	4,861.68	4,784.51	77.17	62.999		
15,000.00	7,630.00	7,729.75	7,637.21	107.98	30.95	90.49	-406.83	571.96	4,953.07	4,875.91	77.15	64.197		
15,100.00	7,630.00	7,730.44	7,637.90	109.58	30.95	90.51	-406.84	571.96	5,044.78	4,967.64	77.14	65.399		
15,200.00	7,630.00	7,731.14	7,638.60	111.19	30.95	90.53	-406.84	571.95	5,136.80	5,059.68	77.12	66.605		
15,300.00	7,630.00	7,731.84	7,639.30	112.81	30.95	90.55	-406.85	571.94	5,229.12	5,152.01	77.11	67.814		
15,400.00	7,630.00	7,732.54	7,640.00	114.42	30.96	90.58	-406.85	571.94	5,321.71	5,244.61	77.10	69.026		
15,500.00	7,630.00	7,733.24	7,640.70	116.05	30.96	90.60	-406.86	571.93	5,414.56	5,337.48	77.09	70.240		
15,600.00	7,630.00	7,733.95	7,641.41	117.67	30.96	90.62	-406.86	571.92	5,507.67	5,430.59	77.08	71.458		
15,700.00	7,630.00	7,734.66	7,642.12	119.30	30.96	90.64	-406.87	571.92	5,601.01	5,523.95	77.07	72.677		
15,800.00	7,630.00	7,735.37	7,642.83	120.93	30.96	90.66	-406.87	571.91	5,694.58	5,617.52	77.06	73.899		
15,900.00	7,630.00	7,736.08	7,643.54	122.57	30.97	90.68	-406.88	571.90	5,788.37	5,711.32	77.05	75.122		
16,000.00	7,630.00	7,736.80	7,644.26	124.21	30.97	90.70	-406.89	571.89	5,882.36	5,805.31	77.05	76.347		
16,100.00	7,630.00	7,737.52	7,644.98	125.85	30.97	90.72	-406.89	571.89	5,976.54	5,899.50	77.04	77.574		
16,200.00	7,630.00	7,738.24	7,645.70	127.50	30.97	90.74	-406.90	571.88	6,070.91	5,993.87	77.04	78.801		
16,300.00	7,630.00	7,738.97	7,646.43	129.15	30.97	90.76	-406.90	571.87	6,165.46	6,088.42	77.04	80.030		
16,400.00	7,630.00	7,739.70	7,647.16	130.80	30.98	90.78	-406.91	571.87	6,260.18	6,183.14	77.04	81.260		
16,500.00	7,630.00	7,740.43	7,647.89	132.46	30.98	90.80	-406.91	571.86	6,355.05	6,278.02	77.04	82.491		
16,600.00	7,630.00	7,741.17	7,648.63	134.11	30.98	90.82	-406.92	571.85	6,450.09	6,373.05	77.04	83.722		
16,700.00	7,630.00	7,741.91	7,649.37	135.77	30.98	90.84	-406.93	571.84	6,545.27	6,468.22	77.04	84.954		
16,800.00	7,630.00	7,742.65	7,650.11	137.43	30.99	90.87	-406.93	571.83	6,640.59	6,563.54	77.05	86.186		
16,900.00	7,630.00	7,743.39	7,650.85	139.10	30.99	90.89	-406.94	571.83	6,736.05	6,659.00	77.05	87.419		
17,000.00	7,630.00	7,744.14	7,651.60	140.77	30.99	90.91	-406.94	571.82	6,831.64	6,754.58	77.06	88.652		
17,100.00	7,630.00	7,744.89	7,652.35	142.44	30.99	90.93	-406.95	571.81	6,927.35	6,850.28	77.07	89.885		
17,200.00	7,630.00	7,745.64	7,653.10	144.11	30.99	90.95	-406.96	571.80	7,023.18	6,946.10	77.08	91.118		
17,300.00	7,630.00	7,746.40	7,653.86	145.78	31.00	90.97	-406.96	571.79	7,119.13	7,042.04	77.09	92.350		
17,400.00	7,630.00	7,747.16	7,654.62	147.46	31.00	91.00	-406.97	571.79	7,215.19	7,138.09	77.10	93.583		
17,500.00	7,630.00	7,747.92	7,655.38	149.13	31.00	91.02	-406.97	571.78	7,311.35	7,234.24	77.11	94.815		
17,600.00	7,630.00	7,748.69	7,656.15	150.81	31.00	91.04	-406.98	571.77	7,407.61	7,330.49	77.13	96.047		
17,700.00	7,630.00	7,749.45	7,656.91	152.49	31.01	91.06	-406.99	571.76	7,503.97	7,426.83	77.14	97.278		
17,800.00	7,630.00	7,750.23	7,657.69	154.18	31.01	91.08	-406.99	571.75	7,600.43	7,523.27	77.16	98.508		
17,900.00	7,630.00	7,751.00	7,658.46	155.86	31.01	91.11	-407.00	571.74	7,696.97	7,619.80	77.17	99.738		
18,000.00	7,630.00	7,751.78	7,659.24	157.55	31.01	91.13	-407.01	571.73	7,793.61	7,716.42	77.19	100.967		
18,100.00	7,630.00	7,752.56	7,660.02	159.24	31.01	91.15	-407.01	571.72	7,890.32	7,813.12	77.21	102.196		
18,200.00	7,630.00	7,753.35	7,660.81	160.92	31.02	91.17	-407.02	571.72	7,987.12	7,909.89	77.23	103.423		
18,300.00	7,630.00	7,754.14	7,661.60	162.62	31.02	91.20	-407.03	571.71	8,084.00	8,006.75	77.25	104.649		
18,400.00	7,630.00	7,754.93	7,662.39	164.31	31.02	91.22	-407.03	571.70	8,180.95	8,103.68	77.27	105.875		
18,458.39	7,630.00	7,755.39	7,662.85	165.30	31.02	91.23	-407.04	571.69	8,237.59	8,160.31	77.28	106.590		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	-23.69	218.21	-95.76	238.51					
100.00	100.00	90.99	90.99	0.13	0.15	-23.81	217.84	-96.13	238.11	237.83	0.28	840.899		
169.85	169.85	159.86	159.85	0.38	0.30	-24.04	217.18	-96.85	237.80	237.11	0.69	346.237 CC		
200.00	200.00	188.10	188.09	0.49	0.40	-24.08	217.20	-97.08	237.92	237.02	0.89	266.274 ES		
300.00	300.00	279.49	279.45	0.85	0.72	-23.92	219.46	-97.33	240.31	238.73	1.58	152.138		
400.00	400.00	370.42	370.15	1.21	1.06	-23.36	225.73	-97.48	246.68	244.41	2.26	108.941		
500.00	500.00	462.09	461.31	1.57	1.39	-22.45	235.39	-97.25	256.30	253.35	2.95	86.775		
600.00	600.00	552.17	550.54	1.93	1.75	-21.50	247.71	-97.60	269.15	265.52	3.64	73.969		
700.00	700.00	640.45	637.46	2.29	2.13	-20.46	263.10	-98.15	285.68	281.37	4.32	66.194		
800.00	800.00	727.59	722.63	2.64	2.53	-19.41	281.44	-99.14	305.91	300.92	4.99	61.361		
900.00	900.00	812.81	805.22	3.00	2.95	-18.37	302.40	-100.43	329.73	324.09	5.64	58.435		
1,000.00	1,000.00	898.84	887.71	3.36	3.41	-17.32	326.75	-101.92	357.23	350.93	6.30	56.670		
1,100.00	1,100.00	993.80	978.42	3.72	3.95	-16.33	354.77	-103.91	386.15	379.14	7.01	55.092		
1,200.00	1,199.98	1,088.50	1,068.96	4.07	4.49	-66.22	382.49	-105.81	414.24	406.50	7.73	53.585		
1,300.00	1,299.84	1,178.75	1,154.84	4.43	5.02	-65.53	410.14	-107.70	442.34	433.92	8.42	52.543		
1,400.00	1,399.45	1,276.53	1,247.85	4.79	5.60	-65.31	440.22	-109.98	469.25	460.07	9.17	51.168		
1,500.00	1,498.70	1,371.23	1,337.94	5.15	6.18	-65.43	469.32	-112.09	494.72	484.81	9.92	49.890		
1,600.00	1,597.47	1,462.25	1,424.27	5.53	6.74	-65.78	498.13	-113.93	519.72	509.07	10.66	48.772		
1,700.00	1,695.62	1,553.57	1,510.53	5.93	7.31	-66.33	528.06	-115.47	544.48	533.05	11.43	47.655		
1,800.00	1,793.06	1,646.66	1,598.23	6.35	7.91	-67.13	559.23	-117.34	568.89	556.65	12.24	46.464		
1,900.00	1,889.64	1,743.57	1,689.52	6.79	8.53	-68.27	591.64	-119.85	592.49	579.35	13.13	45.110		
2,000.00	1,985.27	1,842.14	1,782.58	7.27	9.16	-69.71	623.98	-123.09	614.97	600.88	14.09	43.652		
2,100.00	2,079.82	1,943.47	1,878.52	7.79	9.80	-71.48	656.33	-127.06	636.40	621.27	15.12	42.088		
2,200.00	2,173.17	2,044.20	1,974.39	8.36	10.42	-73.51	686.90	-131.58	656.44	640.23	16.21	40.490		
2,300.00	2,265.21	2,143.72	2,069.39	8.97	11.02	-75.74	716.16	-136.51	676.07	658.70	17.37	38.925		
2,400.00	2,355.84	2,245.85	2,167.15	9.64	11.63	-78.12	745.44	-140.47	695.08	676.46	18.62	37.323		
2,500.00	2,444.94	2,345.89	2,263.18	10.36	12.21	-80.55	773.34	-143.34	713.73	693.79	19.95	35.785		
2,591.69	2,525.19	2,439.01	2,352.81	11.07	12.74	-82.91	798.49	-145.44	730.86	709.62	21.24	34.410		
2,600.00	2,532.40	2,447.50	2,360.99	11.14	12.79	-83.17	800.75	-145.59	732.42	711.06	21.36	34.288		
2,700.00	2,619.15	2,539.25	2,449.47	11.96	13.30	-85.81	824.98	-147.03	751.89	729.13	22.75	33.046		
2,800.00	2,705.89	2,631.65	2,538.57	12.81	13.82	-88.34	849.42	-148.46	773.02	748.85	24.17	31.986		
2,900.00	2,792.64	2,725.51	2,629.16	13.67	14.35	-90.80	873.92	-149.92	795.47	769.87	25.60	31.072		
3,000.00	2,879.39	2,828.66	2,728.81	14.55	14.92	-93.34	900.55	-150.67	818.61	791.50	27.11	30.194		
3,100.00	2,966.14	2,919.60	2,816.61	15.44	15.42	-95.40	924.24	-150.18	842.26	813.73	28.53	29.526		
3,200.00	3,052.88	3,007.87	2,901.88	16.34	15.91	-97.33	947.05	-150.22	867.32	837.41	29.91	28.999		
3,300.00	3,139.63	3,095.49	2,986.43	17.25	16.40	-99.14	970.04	-150.51	893.86	862.58	31.28	28.578		
3,400.00	3,226.38	3,175.85	3,063.55	18.17	16.87	-100.62	992.63	-150.40	922.01	889.43	32.58	28.300		
3,500.00	3,313.12	3,272.53	3,155.88	19.09	17.44	-102.23	1,021.29	-150.23	951.73	917.69	34.03	27.966		
3,600.00	3,399.87	3,365.64	3,244.86	20.02	18.00	-103.68	1,048.71	-149.21	981.21	945.77	35.44	27.683		
3,700.00	3,486.62	3,463.81	3,338.57	20.96	18.59	-105.10	1,077.94	-148.07	1,011.40	974.50	36.90	27.407		
3,800.00	3,573.37	3,564.87	3,434.93	21.90	19.20	-106.42	1,108.30	-145.64	1,041.19	1,002.80	38.38	27.126		
3,900.00	3,660.11	3,635.84	3,502.76	22.84	19.62	-107.34	1,129.11	-144.52	1,071.83	1,032.27	39.55	27.099		
4,000.00	3,746.86	3,713.38	3,576.84	23.78	20.08	-108.36	1,152.01	-145.42	1,105.10	1,064.34	40.75	27.116		
4,100.00	3,833.61	3,812.71	3,672.29	24.73	20.66	-109.69	1,179.43	-147.23	1,138.59	1,096.43	42.16	27.008		
4,200.00	3,920.35	3,908.14	3,764.21	25.68	21.20	-110.93	1,205.05	-148.92	1,172.24	1,128.74	43.50	26.948		
4,300.00	4,007.10	4,003.82	3,856.18	26.63	21.75	-112.06	1,231.39	-149.83	1,205.88	1,161.04	44.84	26.892		
4,400.00	4,093.85	4,106.48	3,954.96	27.59	22.34	-113.21	1,259.35	-150.54	1,239.62	1,193.37	46.24	26.806		
4,500.00	4,180.60	4,204.19	4,049.16	28.55	22.89	-114.27	1,285.29	-150.33	1,272.65	1,225.07	47.59	26.744		
4,600.00	4,267.34	4,296.95	4,138.20	29.50	23.42	-115.15	1,311.28	-149.65	1,306.08	1,257.20	48.88	26.718 SF		
4,700.00	4,354.09	4,382.20	4,220.03	30.46	23.92	-115.92	1,335.19	-149.00	1,339.78	1,289.68	50.10	26.742		
4,800.00	4,440.84	4,458.39	4,293.20	31.42	24.36	-116.59	1,356.41	-149.28	1,374.64	1,323.44	51.20	26.847		
4,900.00	4,527.58	4,538.56	4,370.32	32.39	24.82	-117.32	1,378.23	-150.80	1,410.87	1,358.54	52.33	26.963		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,614.33	4,657.34	4,484.39	33.35	25.51	-118.28	1,411.34	-151.70	1,446.53	1,392.65	53.88	26.847		
5,100.00	4,701.08	4,754.96	4,577.75	34.31	26.09	-118.96	1,439.88	-150.75	1,481.27	1,426.05	55.22	26.825		
5,200.00	4,787.82	4,848.44	4,667.09	35.28	26.64	-119.57	1,467.33	-149.91	1,516.28	1,459.77	56.51	26.832		
5,300.00	4,874.57	4,942.06	4,757.14	36.25	27.18	-120.24	1,492.97	-149.31	1,551.15	1,493.38	57.77	26.850		
5,400.00	4,961.32	5,026.18	4,838.37	37.21	27.65	-120.86	1,514.80	-149.38	1,586.48	1,527.58	58.90	26.935		
5,500.00	5,048.07	5,108.04	4,917.68	38.18	28.09	-121.48	1,535.08	-150.22	1,622.56	1,562.58	59.98	27.053		
5,600.00	5,134.81	5,194.15	5,001.22	39.15	28.55	-122.14	1,555.89	-151.69	1,659.32	1,598.24	61.08	27.168		
5,700.00	5,221.56	5,296.20	5,100.83	40.12	29.06	-122.98	1,577.92	-153.87	1,696.13	1,633.84	62.29	27.231		
5,800.00	5,308.31	5,404.66	5,207.55	41.09	29.55	-123.98	1,597.15	-156.11	1,732.36	1,668.89	63.47	27.295		
5,900.00	5,395.05	5,506.31	5,308.17	42.06	29.95	-125.00	1,611.38	-158.09	1,768.15	1,703.64	64.50	27.411		
6,000.00	5,481.80	5,601.21	5,402.50	43.03	30.30	-126.01	1,621.55	-160.09	1,803.93	1,738.52	65.41	27.577		
6,100.00	5,568.55	5,690.54	5,491.47	44.00	30.59	-126.99	1,629.19	-162.13	1,840.02	1,773.79	66.23	27.784		
6,200.00	5,655.30	5,790.85	5,591.59	44.97	30.89	-128.14	1,634.66	-164.78	1,876.53	1,809.49	67.04	27.991		
6,300.00	5,742.04	5,923.94	5,724.62	45.94	31.24	-129.70	1,638.49	-166.54	1,912.19	1,844.23	67.96	28.139		
6,400.00	5,828.79	6,008.16	5,808.82	46.92	31.45	-130.67	1,640.09	-166.73	1,947.34	1,878.75	68.59	28.390		
6,500.00	5,915.54	6,085.30	5,885.94	47.89	31.63	-131.55	1,641.05	-167.19	1,983.36	1,914.20	69.17	28.675		
6,600.00	6,002.28	6,165.84	5,966.48	48.86	31.82	-132.47	1,641.07	-168.14	2,020.37	1,950.65	69.72	28.977		
6,700.00	6,089.03	6,255.73	6,056.37	49.83	32.03	-133.45	1,641.46	-169.25	2,058.02	1,987.70	70.32	29.266		
6,800.00	6,175.78	6,341.73	6,142.36	50.81	32.23	-134.36	1,641.97	-170.09	2,095.99	2,025.09	70.90	29.564		
6,900.00	6,262.53	6,426.55	6,227.17	51.78	32.44	-135.22	1,642.64	-171.14	2,134.68	2,063.22	71.46	29.871		
7,000.00	6,349.27	6,520.19	6,320.80	52.76	32.67	-136.14	1,643.56	-172.02	2,173.59	2,101.51	72.07	30.158		
7,100.00	6,436.02	6,613.50	6,414.11	53.73	32.89	-137.04	1,643.81	-172.76	2,212.82	2,140.16	72.67	30.452		
7,200.00	6,522.77	6,715.35	6,515.96	54.71	33.14	-137.98	1,644.17	-172.87	2,251.87	2,178.57	73.30	30.722		
7,300.00	6,609.51	6,798.93	6,599.54	55.68	33.36	-138.72	1,645.08	-172.75	2,291.11	2,217.26	73.85	31.024		
7,400.00	6,696.26	6,873.69	6,674.28	56.66	33.55	-139.34	1,646.33	-173.00	2,331.11	2,256.75	74.36	31.350		
7,500.00	6,783.01	6,954.61	6,755.18	57.63	33.77	-140.00	1,647.94	-173.59	2,371.78	2,296.88	74.90	31.664		
7,600.00	6,869.76	7,055.47	6,856.02	58.61	34.05	-140.78	1,650.23	-174.19	2,412.63	2,337.06	75.58	31.924		
7,683.49	6,942.18	7,125.50	6,926.03	59.42	34.24	-141.31	1,651.75	-174.45	2,446.82	2,370.77	76.05	32.175		
7,700.00	6,956.57	7,139.61	6,940.14	59.58	34.28	-144.58	1,652.02	-174.51	2,453.62	2,377.48	76.14	32.224		
7,750.00	7,000.85	7,182.49	6,983.00	60.04	34.40	-155.47	1,652.82	-174.69	2,474.37	2,397.94	76.42	32.377		
7,800.00	7,045.94	7,226.00	7,026.51	60.46	34.52	-167.71	1,653.63	-174.91	2,495.17	2,418.47	76.70	32.532		
7,850.00	7,091.49	7,275.49	7,075.98	60.84	34.66	179.11	1,654.65	-175.15	2,515.82	2,438.81	77.01	32.669		
7,900.00	7,137.15	7,326.50	7,126.98	61.17	34.80	165.83	1,656.05	-175.32	2,536.05	2,458.72	77.33	32.797		
7,950.00	7,182.58	7,402.63	7,203.05	61.44	35.03	153.48	1,658.85	-175.10	2,555.52	2,477.72	77.80	32.846		
8,000.00	7,227.43	7,454.65	7,255.03	61.67	35.17	142.49	1,660.88	-174.50	2,574.05	2,495.93	78.12	32.951		
8,050.00	7,271.36	7,497.99	7,298.36	61.84	35.29	133.10	1,661.47	-173.92	2,591.93	2,513.57	78.36	33.077		
8,100.00	7,314.04	7,534.81	7,335.18	61.96	35.38	125.24	1,661.17	-173.40	2,609.15	2,530.60	78.55	33.217		
8,150.00	7,355.14	7,566.73	7,367.09	62.04	35.45	118.71	1,660.57	-173.04	2,625.75	2,547.04	78.70	33.363		
8,200.00	7,394.34	7,597.47	7,397.81	62.07	35.52	113.31	1,659.73	-172.80	2,641.68	2,562.83	78.85	33.503		
8,250.00	7,431.36	7,652.44	7,452.76	62.06	35.64	109.20	1,657.90	-172.34	2,656.79	2,577.69	79.11	33.585		
8,300.00	7,465.90	7,719.83	7,520.10	62.01	35.79	106.13	1,655.84	-171.09	2,670.67	2,591.25	79.42	33.628		
8,350.00	7,497.71	7,738.86	7,539.12	61.93	35.84	102.98	1,655.30	-170.74	2,683.69	2,604.16	79.53	33.745		
8,400.00	7,526.53	7,764.50	7,564.74	61.81	35.89	100.46	1,654.60	-170.27	2,695.97	2,616.29	79.67	33.838		
8,450.00	7,552.17	7,787.34	7,587.58	61.66	35.95	98.33	1,654.00	-169.88	2,707.51	2,627.70	79.81	33.923		
8,500.00	7,574.41	7,811.17	7,611.40	61.48	36.00	96.61	1,653.39	-169.51	2,718.32	2,638.36	79.97	33.994		
8,550.00	7,593.09	7,834.61	7,634.83	61.29	36.05	95.22	1,652.78	-169.11	2,728.37	2,648.25	80.12	34.052		
8,600.00	7,608.07	7,853.82	7,654.03	61.07	36.10	94.06	1,652.26	-168.77	2,737.66	2,657.39	80.27	34.105		
8,650.00	7,619.23	7,868.62	7,668.82	60.84	36.13	93.07	1,651.86	-168.49	2,746.22	2,665.82	80.41	34.154		
8,700.00	7,626.48	7,878.87	7,679.06	60.60	36.15	92.24	1,651.57	-168.29	2,754.05	2,673.52	80.53	34.199		
8,750.00	7,629.78	7,884.45	7,684.64	60.35	36.17	91.56	1,651.42	-168.18	2,761.14	2,680.50	80.64	34.240		
8,766.45	7,630.00	7,885.26	7,685.44	60.27	36.17	91.37	1,651.39	-168.16	2,763.30	2,682.63	80.67	34.253		
8,800.00	7,630.00	7,886.37	7,686.56	60.10	36.17	91.39	1,651.36	-168.14	2,767.84	2,687.10	80.74	34.281		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
8,900.00	7,630.00	7,889.73	7,689.91	59.61	36.18	91.46	1,651.27	-168.07	2,783.70	2,702.78	80.92	34.400		
9,000.00	7,630.00	7,895.06	7,695.24	59.15	36.19	91.57	1,651.12	-167.96	2,803.04	2,721.94	81.09	34.566		
9,100.00	7,630.00	7,900.81	7,700.98	58.71	36.20	91.69	1,650.95	-167.84	2,825.78	2,744.53	81.25	34.781		
9,200.00	7,630.00	7,906.83	7,707.00	58.30	36.22	91.82	1,650.77	-167.70	2,851.84	2,770.46	81.38	35.044		
9,300.00	7,630.00	7,913.13	7,713.30	57.91	36.23	91.95	1,650.57	-167.55	2,881.13	2,799.64	81.49	35.356		
9,400.00	7,630.00	7,919.75	7,719.91	57.54	36.25	92.09	1,650.37	-167.39	2,913.56	2,831.98	81.58	35.713		
9,500.00	7,630.00	7,926.71	7,726.86	57.19	36.26	92.23	1,650.14	-167.21	2,949.01	2,867.36	81.66	36.115		
9,600.00	7,630.00	7,934.02	7,734.17	56.87	36.28	92.39	1,649.90	-167.02	2,987.39	2,905.67	81.71	36.560		
9,700.00	7,630.00	7,941.72	7,741.86	56.57	36.30	92.55	1,649.64	-166.81	3,028.57	2,946.82	81.75	37.046		
9,800.00	7,630.00	7,949.84	7,749.97	56.30	36.31	92.72	1,649.36	-166.57	3,072.45	2,990.67	81.77	37.573		
9,900.00	7,630.00	9,900.00	7,827.54	56.05	40.51	94.34	1,646.04	-163.29	3,118.64	3,032.19	86.46	36.071		
10,000.00	7,630.00	10,000.00	7,832.21	55.82	40.72	94.44	1,645.82	-163.06	3,167.48	3,080.78	86.70	36.534		
10,100.00	7,630.00	10,100.00	7,836.88	55.63	40.94	94.54	1,645.60	-162.82	3,218.67	3,131.74	86.93	37.025		
10,200.00	7,630.00	10,200.00	7,841.54	55.46	41.15	94.63	1,645.38	-162.59	3,272.12	3,184.96	87.16	37.543		
10,300.00	7,630.00	8,118.69	7,918.40	55.32	36.68	96.24	1,641.37	-158.01	3,327.68	3,245.73	81.95	40.604		
10,400.00	7,630.00	8,127.91	7,927.58	55.22	36.69	96.43	1,640.84	-157.37	3,385.19	3,303.29	81.90	41.335		
10,500.00	7,630.00	8,137.35	7,936.98	55.15	36.71	96.63	1,640.28	-156.70	3,444.62	3,362.79	81.83	42.094		
10,600.00	7,630.00	8,147.04	7,946.62	55.14	36.73	96.83	1,639.70	-156.02	3,505.88	3,424.12	81.76	42.880		
10,700.00	7,630.00	8,156.96	7,956.50	55.18	36.75	97.04	1,639.10	-155.31	3,568.88	3,487.19	81.68	43.691		
10,800.00	7,630.00	8,167.14	7,966.64	55.28	36.78	97.25	1,638.48	-154.57	3,633.52	3,551.91	81.61	44.525		
10,900.00	7,630.00	8,177.59	7,977.04	55.47	36.80	97.46	1,637.83	-153.80	3,699.72	3,618.19	81.52	45.382		
11,000.00	7,630.00	8,188.31	7,987.70	55.74	36.82	97.69	1,637.16	-153.01	3,767.39	3,685.95	81.44	46.260		
11,100.00	7,630.00	11,100.00	7,966.57	56.11	42.86	97.25	1,638.47	-154.56	3,836.51	3,747.71	88.80	43.203		
11,200.00	7,630.00	11,200.00	7,972.35	56.60	43.07	97.37	1,638.13	-154.16	3,906.95	3,817.96	88.99	43.904		
11,300.00	7,630.00	11,300.00	7,978.13	57.20	43.28	97.49	1,637.80	-153.75	3,978.65	3,889.48	89.18	44.616		
11,400.00	7,630.00	8,171.00	7,970.48	57.91	36.78	97.33	1,638.24	-154.29	4,051.57	3,970.56	81.01	50.012		
11,500.00	7,630.00	8,171.00	7,970.48	58.72	36.78	97.33	1,638.24	-154.29	4,125.61	4,044.70	80.91	50.988		
11,600.00	7,630.00	8,171.00	7,970.48	59.63	36.78	97.33	1,638.24	-154.29	4,200.73	4,119.91	80.81	51.980		
11,700.00	7,630.00	8,171.00	7,970.48	60.61	36.78	97.33	1,638.24	-154.29	4,276.86	4,196.15	80.72	52.985		
11,800.00	7,630.00	8,171.00	7,970.48	61.67	36.78	97.33	1,638.24	-154.29	4,353.97	4,273.34	80.62	54.004		
11,900.00	7,630.00	8,171.00	7,970.48	62.78	36.78	97.33	1,638.24	-154.29	4,431.98	4,351.45	80.53	55.035		
12,000.00	7,630.00	8,171.00	7,970.48	63.95	36.78	97.33	1,638.24	-154.29	4,510.87	4,430.43	80.44	56.078		
12,100.00	7,630.00	8,171.00	7,970.48	65.16	36.78	97.33	1,638.24	-154.29	4,590.58	4,510.23	80.35	57.132		
12,200.00	7,630.00	8,171.00	7,970.48	66.41	36.78	97.33	1,638.24	-154.29	4,671.06	4,590.80	80.26	58.197		
12,300.00	7,630.00	8,171.00	7,970.48	67.68	36.78	97.33	1,638.24	-154.29	4,752.29	4,672.12	80.18	59.271		
12,400.00	7,630.00	8,171.00	7,970.48	68.99	36.78	97.33	1,638.24	-154.29	4,834.23	4,754.13	80.10	60.354		
12,500.00	7,630.00	8,171.00	7,970.48	70.33	36.78	97.33	1,638.24	-154.29	4,916.83	4,836.81	80.02	61.446		
12,600.00	7,630.00	8,171.00	7,970.48	71.68	36.78	97.33	1,638.24	-154.29	5,000.07	4,920.12	79.94	62.546		
12,700.00	7,630.00	8,171.00	7,970.48	73.06	36.78	97.33	1,638.24	-154.29	5,083.91	5,004.04	79.87	63.653		
12,800.00	7,630.00	8,171.00	7,970.48	74.45	36.78	97.33	1,638.24	-154.29	5,168.32	5,088.53	79.80	64.768		
12,900.00	7,630.00	8,171.00	7,970.48	75.87	36.78	97.33	1,638.24	-154.29	5,253.29	5,173.56	79.73	65.889		
13,000.00	7,630.00	8,171.00	7,970.48	77.29	36.78	97.33	1,638.24	-154.29	5,338.77	5,259.11	79.66	67.016		
13,100.00	7,630.00	8,171.00	7,970.48	78.74	36.78	97.33	1,638.24	-154.29	5,424.75	5,345.15	79.60	68.150		
13,200.00	7,630.00	8,171.00	7,970.48	80.19	36.78	97.33	1,638.24	-154.29	5,511.21	5,431.67	79.54	69.289		
13,300.00	7,630.00	8,171.00	7,970.48	81.66	36.78	97.33	1,638.24	-154.29	5,598.11	5,518.63	79.48	70.433		
13,400.00	7,630.00	8,171.00	7,970.48	83.14	36.78	97.33	1,638.24	-154.29	5,685.45	5,606.02	79.43	71.582		
13,500.00	7,630.00	8,171.00	7,970.48	84.63	36.78	97.33	1,638.24	-154.29	5,773.19	5,693.82	79.37	72.736		
13,600.00	7,630.00	8,171.00	7,970.48	86.14	36.78	97.33	1,638.24	-154.29	5,861.33	5,782.01	79.32	73.894		
13,700.00	7,630.00	8,206.61	8,005.96	87.65	36.86	98.07	1,636.36	-151.98	5,949.32	5,870.00	79.32	75.005		
13,800.00	7,630.00	8,207.48	8,006.83	89.17	36.87	98.09	1,636.32	-151.93	6,038.17	5,958.89	79.27	76.168		
13,900.00	7,630.00	8,208.34	8,007.69	90.70	36.87	98.10	1,636.28	-151.88	6,127.36	6,048.13	79.23	77.335		
14,000.00	7,630.00	8,209.18	8,008.52	92.24	36.87	98.12	1,636.25	-151.83	6,216.88	6,137.69	79.19	78.506		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
14,100.00	7,630.00	8,210.00	8,009.34	93.78	36.87	98.14	1,636.21	-151.79	6,306.72	6,227.56	79.15	79.679		
14,200.00	7,630.00	8,210.81	8,010.15	95.33	36.87	98.15	1,636.18	-151.74	6,396.85	6,317.74	79.11	80.855		
14,300.00	7,630.00	8,211.60	8,010.94	96.89	36.88	98.17	1,636.15	-151.70	6,487.28	6,408.20	79.08	82.034		
14,400.00	7,630.00	8,212.37	8,011.71	98.46	36.88	98.19	1,636.11	-151.66	6,577.98	6,498.93	79.05	83.215		
14,500.00	7,630.00	8,213.14	8,012.47	100.03	36.88	98.20	1,636.08	-151.62	6,668.94	6,589.93	79.02	84.398		
14,600.00	7,630.00	8,213.88	8,013.22	101.61	36.88	98.22	1,636.05	-151.58	6,760.17	6,681.18	78.99	85.584		
14,700.00	7,630.00	8,214.62	8,013.95	103.20	36.88	98.23	1,636.02	-151.54	6,851.63	6,772.67	78.96	86.771		
14,800.00	7,630.00	8,215.34	8,014.67	104.78	36.88	98.25	1,636.00	-151.50	6,943.33	6,864.39	78.94	87.960		
14,900.00	7,630.00	8,216.04	8,015.38	106.38	36.89	98.26	1,635.97	-151.46	7,035.26	6,956.34	78.91	89.150		
15,000.00	7,630.00	8,216.74	8,016.07	107.98	36.89	98.28	1,635.94	-151.43	7,127.40	7,048.51	78.89	90.342		
15,100.00	7,630.00	8,217.42	8,016.75	109.58	36.89	98.29	1,635.91	-151.39	7,219.75	7,140.88	78.87	91.535		
15,200.00	7,630.00	8,218.09	8,017.42	111.19	36.89	98.31	1,635.89	-151.36	7,312.31	7,233.45	78.86	92.729		
15,300.00	7,630.00	8,218.75	8,018.08	112.81	36.89	98.32	1,635.86	-151.33	7,405.05	7,326.21	78.84	93.925		
15,400.00	7,630.00	8,219.40	8,018.72	114.42	36.89	98.33	1,635.84	-151.29	7,497.99	7,419.16	78.83	95.121		
15,500.00	7,630.00	8,220.03	8,019.36	116.05	36.89	98.35	1,635.82	-151.26	7,591.10	7,512.29	78.81	96.318		
15,600.00	7,630.00	8,220.66	8,019.98	117.67	36.90	98.36	1,635.79	-151.23	7,684.38	7,605.58	78.80	97.515		
15,700.00	7,630.00	8,221.27	8,020.59	119.30	36.90	98.37	1,635.77	-151.20	7,777.84	7,699.04	78.79	98.713		
15,800.00	7,630.00	8,221.88	8,021.20	120.93	36.90	98.38	1,635.75	-151.17	7,871.45	7,792.66	78.78	99.912		
15,900.00	7,630.00	8,222.47	8,021.79	122.57	36.90	98.40	1,635.73	-151.14	7,965.21	7,886.44	78.78	101.110		
16,000.00	7,630.00	8,223.06	8,022.37	124.21	36.90	98.41	1,635.71	-151.11	8,059.13	7,980.36	78.77	102.309		
16,100.00	7,630.00	8,223.63	8,022.95	125.85	36.90	98.42	1,635.69	-151.08	8,153.19	8,074.42	78.77	103.508		
16,200.00	7,630.00	8,224.20	8,023.51	127.50	36.90	98.43	1,635.67	-151.06	8,247.39	8,168.63	78.77	104.708		
16,300.00	7,630.00	8,224.75	8,024.07	129.15	36.90	98.44	1,635.65	-151.03	8,341.73	8,262.96	78.76	105.907		
16,400.00	7,630.00	8,225.30	8,024.61	130.80	36.91	98.45	1,635.63	-151.00	8,436.19	8,357.43	78.77	107.106		
16,500.00	7,630.00	8,225.84	8,025.15	132.46	36.91	98.47	1,635.61	-150.98	8,530.79	8,452.02	78.77	108.304		
16,600.00	7,630.00	8,226.40	8,025.72	134.11	36.91	98.48	1,634.67	-149.50	8,626.03	8,547.21	78.82	109.442		
16,700.00	7,630.00	8,226.94	8,026.27	135.77	36.91	98.49	1,634.67	-149.50	8,720.84	8,642.02	78.82	110.640		
16,800.00	7,630.00	8,227.48	8,026.82	137.43	36.91	98.50	1,634.67	-149.50	8,815.77	8,736.94	78.83	111.838		
16,900.00	7,630.00	8,228.02	8,027.37	139.10	36.91	98.51	1,634.67	-149.50	8,910.81	8,831.98	78.83	113.035		
17,000.00	7,630.00	8,228.56	8,027.92	140.77	36.91	98.52	1,634.67	-149.50	9,005.96	8,927.12	78.84	114.232		
17,100.00	7,630.00	8,229.10	8,028.47	142.44	36.91	98.53	1,634.67	-149.50	9,101.21	9,022.36	78.85	115.428		
17,200.00	7,630.00	8,229.64	8,029.02	144.11	36.91	98.54	1,634.67	-149.50	9,196.56	9,117.71	78.86	116.623		
17,300.00	7,630.00	8,230.18	8,029.57	145.78	36.91	98.55	1,634.67	-149.50	9,292.01	9,213.15	78.87	117.817		
17,400.00	7,630.00	8,230.72	8,030.12	147.46	36.91	98.56	1,634.67	-149.50	9,387.56	9,308.68	78.88	119.011		
17,500.00	7,630.00	8,231.26	8,030.67	149.13	36.91	98.57	1,634.67	-149.50	9,483.20	9,404.30	78.89	120.204		
17,600.00	7,630.00	8,231.80	8,031.22	150.81	36.91	98.58	1,634.67	-149.50	9,578.92	9,500.02	78.91	121.396		
17,700.00	7,630.00	8,232.34	8,031.77	152.49	36.91	98.59	1,634.67	-149.50	9,674.74	9,595.81	78.92	122.587		
17,800.00	7,630.00	8,232.88	8,032.32	154.18	36.91	98.60	1,634.67	-149.50	9,770.63	9,691.69	78.94	123.777		
17,900.00	7,630.00	8,233.42	8,032.87	155.86	36.91	98.61	1,634.67	-149.50	9,866.61	9,787.66	78.95	124.965		
18,000.00	7,630.00	8,233.96	8,033.42	157.55	36.91	98.62	1,634.67	-149.50	9,962.67	9,883.69	78.97	126.153		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	-16.58	218.21	-64.96	227.89				
100.00	100.00	89.71	89.71	0.13	0.14	-16.63	218.21	-65.16	227.73	227.45	0.28	825.724	
200.00	200.00	190.39	190.39	0.49	0.47	-16.77	218.06	-65.70	227.75	226.79	0.96	237.290	
300.00	300.00	293.11	293.10	0.85	0.83	-16.97	217.13	-66.28	227.05	225.36	1.68	134.805	
400.00	400.00	402.11	402.02	1.21	1.22	-17.32	213.18	-66.48	223.63	221.19	2.43	91.844	
500.00	500.00	509.86	509.45	1.57	1.62	-18.08	204.96	-66.91	216.49	213.30	3.18	68.024	
600.00	600.00	617.54	616.38	1.93	2.04	-19.38	192.34	-67.65	205.59	201.66	3.93	52.292	
700.00	700.00	726.87	724.30	2.29	2.50	-20.91	174.93	-66.84	190.38	185.69	4.68	40.637	
800.00	800.00	832.10	827.14	2.64	2.98	-23.20	152.75	-65.46	170.29	164.86	5.43	31.384	
900.00	900.00	932.69	924.67	3.00	3.49	-26.65	128.16	-64.33	147.53	141.35	6.18	23.888	
1,000.00	1,000.00	1,030.35	1,018.81	3.36	4.00	-32.07	102.16	-64.00	123.94	116.98	6.96	17.808	
1,100.00	1,100.00	1,127.75	1,112.39	3.72	4.54	-40.39	75.17	-63.96	101.21	93.38	7.82	12.934	
1,200.00	1,199.98	1,223.54	1,204.01	4.07	5.09	-106.23	47.24	-64.15	81.34	72.49	8.85	9.187	
1,300.00	1,299.84	1,318.88	1,295.07	4.43	5.66	-129.36	18.97	-63.98	71.12	61.09	10.03	7.091	
1,316.85	1,316.64	1,334.89	1,310.35	4.49	5.75	-133.82	14.19	-63.81	70.87	60.65	10.21	6.939	CC, ES, SF
1,400.00	1,399.45	1,412.65	1,384.39	4.79	6.22	-155.31	-9.53	-62.68	77.53	66.60	10.93	7.094	
1,500.00	1,498.70	1,504.96	1,472.07	5.15	6.79	-174.92	-38.36	-61.08	101.24	89.77	11.46	8.832	
1,600.00	1,597.47	1,595.46	1,558.09	5.53	7.35	173.44	-66.45	-59.48	135.55	123.57	11.98	11.314	
1,700.00	1,695.62	1,686.70	1,644.67	5.93	7.92	166.29	-95.13	-57.59	176.23	163.63	12.60	13.990	
1,800.00	1,793.06	1,777.75	1,731.40	6.35	8.49	161.94	-122.75	-55.17	220.12	206.84	13.28	16.573	
1,900.00	1,889.64	1,866.61	1,816.18	6.79	9.04	159.16	-149.23	-52.35	266.85	252.86	13.99	19.074	
2,000.00	1,985.27	1,958.28	1,903.75	7.27	9.59	157.20	-176.14	-48.96	316.09	301.33	14.76	21.412	
2,100.00	2,079.82	2,049.96	1,991.86	7.79	10.13	155.98	-201.19	-45.19	366.44	350.88	15.56	23.552	
2,200.00	2,173.17	2,135.31	2,074.16	8.36	10.62	155.28	-223.57	-41.92	418.80	402.48	16.32	25.665	
2,300.00	2,265.21	2,218.58	2,154.50	8.97	11.10	154.89	-245.29	-39.49	474.12	457.04	17.08	27.762	
2,400.00	2,355.84	2,299.74	2,233.01	9.64	11.56	154.74	-265.78	-37.84	531.77	513.94	17.84	29.815	
2,500.00	2,444.94	2,371.66	2,302.56	10.36	11.96	154.67	-284.10	-37.43	592.74	574.22	18.52	32.001	
2,591.69	2,525.19	2,437.31	2,366.02	11.07	12.33	154.73	-300.90	-38.18	651.56	632.40	19.16	34.010	
2,600.00	2,532.40	2,443.13	2,371.65	11.14	12.36	154.79	-302.38	-38.30	657.00	637.79	19.22	34.186	
2,700.00	2,619.15	2,518.70	2,444.76	11.96	12.78	155.68	-321.37	-40.46	722.71	702.77	19.94	36.244	
2,800.00	2,705.89	2,597.10	2,520.72	12.81	13.22	156.49	-340.58	-43.04	788.25	767.56	20.69	38.095	
2,900.00	2,792.64	2,675.77	2,596.82	13.67	13.66	157.01	-360.54	-43.82	853.49	832.04	21.45	39.785	
3,000.00	2,879.39	2,750.80	2,669.24	14.55	14.09	157.32	-380.14	-43.36	918.61	896.42	22.19	41.394	
3,100.00	2,966.14	2,814.28	2,730.29	15.44	14.46	157.50	-397.50	-42.62	984.32	961.49	22.83	43.112	
3,200.00	3,052.88	2,900.38	2,812.87	16.34	14.98	157.64	-421.82	-40.99	1,050.37	1,026.66	23.70	44.317	
3,300.00	3,139.63	2,978.94	2,888.29	17.25	15.45	157.70	-443.65	-38.33	1,115.45	1,090.95	24.50	45.519	
3,400.00	3,226.38	3,046.84	2,953.42	18.17	15.85	157.74	-462.72	-36.15	1,180.83	1,155.62	25.21	46.839	
3,500.00	3,313.12	3,109.73	3,013.55	19.09	16.24	157.76	-481.02	-34.18	1,246.90	1,221.03	25.87	48.198	
3,600.00	3,399.87	3,172.16	3,073.13	20.02	16.62	157.78	-499.61	-32.65	1,313.70	1,287.17	26.53	49.524	
3,700.00	3,486.62	3,248.04	3,145.58	20.96	17.09	157.86	-522.14	-31.87	1,381.01	1,353.70	27.32	50.552	
3,800.00	3,573.37	3,342.00	3,235.65	21.90	17.66	157.98	-548.89	-30.87	1,447.50	1,419.21	28.29	51.166	
3,900.00	3,660.11	3,425.05	3,315.37	22.84	18.16	158.05	-572.09	-29.12	1,513.21	1,484.06	29.15	51.903	
4,000.00	3,746.86	3,495.86	3,383.23	23.78	18.59	158.08	-592.22	-27.08	1,578.95	1,549.05	29.90	52.800	
4,100.00	3,833.61	3,546.23	3,431.36	24.73	18.90	158.08	-607.03	-25.78	1,645.42	1,614.96	30.45	54.032	
4,200.00	3,920.35	3,598.72	3,481.35	25.68	19.23	158.10	-622.99	-24.88	1,712.90	1,681.89	31.02	55.223	
4,300.00	4,007.10	3,655.66	3,535.56	26.63	19.59	158.14	-640.43	-24.78	1,781.17	1,749.54	31.63	56.320	
4,400.00	4,093.85	3,724.38	3,601.01	27.59	20.02	158.23	-661.33	-25.78	1,849.94	1,817.59	32.35	57.184	
4,500.00	4,180.60	3,804.06	3,677.03	28.55	20.51	158.35	-685.15	-27.33	1,918.60	1,885.42	33.19	57.814	
4,600.00	4,267.34	3,889.13	3,758.31	29.50	21.04	158.47	-710.22	-28.75	1,986.87	1,952.79	34.08	58.308	
4,700.00	4,354.09	3,978.28	3,843.56	30.46	21.58	158.56	-736.29	-29.53	2,054.69	2,019.68	35.01	58.690	
4,800.00	4,440.84	4,101.72	3,961.97	31.42	22.32	158.67	-771.18	-29.24	2,121.49	2,085.20	36.28	58.472	
4,900.00	4,527.58	4,196.02	4,052.95	32.39	22.87	158.76	-795.95	-28.34	2,186.55	2,149.29	37.25	58.693	

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,614.33	4,256.46	4,111.32	33.35	23.22	158.84	-811.63	-28.25	2,251.82	2,213.92	37.90	59.421		
5,100.00	4,701.08	4,302.49	4,155.69	34.31	23.48	158.90	-823.83	-28.66	2,317.90	2,279.51	38.39	60.372		
5,200.00	4,787.82	4,357.62	4,208.73	35.28	23.80	158.98	-838.88	-29.74	2,384.88	2,345.90	38.98	61.187		
5,300.00	4,874.57	4,438.79	4,286.83	36.25	24.28	159.10	-860.90	-31.60	2,451.94	2,412.13	39.81	61.586		
5,400.00	4,961.32	4,486.61	4,332.78	37.21	24.56	159.16	-874.05	-32.85	2,519.35	2,479.02	40.32	62.480		
5,500.00	5,048.07	4,544.09	4,387.90	38.18	24.91	159.24	-890.30	-34.52	2,587.38	2,546.45	40.93	63.217		
5,600.00	5,134.81	4,619.52	4,460.12	39.15	25.36	159.32	-912.01	-36.38	2,655.57	2,613.85	41.72	63.653		
5,700.00	5,221.56	4,800.63	4,634.03	40.12	26.44	159.42	-962.48	-36.65	2,722.20	2,678.64	43.57	62.486		
5,800.00	5,308.31	5,001.60	4,829.41	41.09	27.53	159.61	-1,009.40	-34.53	2,784.99	2,739.51	45.48	61.234		
5,900.00	5,395.05	5,136.19	4,961.03	42.06	28.20	159.74	-1,037.34	-31.53	2,845.98	2,799.23	46.75	60.870		
6,000.00	5,481.80	5,679.71	5,501.55	43.03	30.08	161.28	-1,084.70	-32.88	2,901.80	2,851.55	50.26	57.739		
6,100.00	5,568.55	5,762.87	5,584.70	44.00	30.26	161.55	-1,084.52	-31.80	2,948.74	2,897.79	50.95	57.875		
6,200.00	5,655.30	5,850.50	5,672.33	44.97	30.45	161.84	-1,084.12	-30.95	2,995.73	2,944.08	51.65	57.995		
6,300.00	5,742.04	5,930.72	5,752.55	45.94	30.62	162.10	-1,083.73	-30.41	3,042.91	2,990.59	52.32	58.156		
6,400.00	5,828.79	6,017.72	5,839.55	46.92	30.80	162.38	-1,083.35	-29.94	3,090.25	3,037.23	53.02	58.286		
6,500.00	5,915.54	6,105.55	5,927.37	47.89	30.99	162.65	-1,082.91	-29.53	3,137.63	3,083.91	53.72	58.412		
6,600.00	6,002.28	6,190.96	6,012.78	48.86	31.17	162.91	-1,082.38	-29.28	3,185.07	3,130.68	54.40	58.552		
6,700.00	6,089.03	6,271.40	6,093.22	49.83	31.34	163.16	-1,081.84	-29.26	3,232.68	3,177.62	55.05	58.719		
6,800.00	6,175.78	6,345.26	6,167.08	50.81	31.50	163.38	-1,081.41	-29.50	3,280.58	3,224.90	55.68	58.920		
6,900.00	6,262.53	6,434.95	6,256.77	51.78	31.70	163.64	-1,081.03	-29.98	3,328.74	3,272.37	56.37	59.048		
7,000.00	6,349.27	6,546.62	6,368.43	52.76	31.95	163.95	-1,080.20	-30.24	3,376.59	3,319.42	57.17	59.066		
7,100.00	6,436.02	6,620.88	6,442.68	53.73	32.11	164.16	-1,079.53	-30.27	3,424.27	3,366.48	57.79	59.250		
7,200.00	6,522.77	6,716.46	6,538.27	54.71	32.32	164.41	-1,078.74	-30.49	3,472.14	3,413.63	58.52	59.337		
7,300.00	6,609.51	6,820.27	6,642.06	55.68	32.55	164.68	-1,077.44	-30.52	3,519.66	3,460.38	59.28	59.378		
7,400.00	6,696.26	6,907.93	6,729.72	56.66	32.75	164.90	-1,076.40	-30.09	3,566.98	3,507.02	59.97	59.480		
7,500.00	6,783.01	7,012.98	6,834.76	57.63	33.00	165.14	-1,075.49	-28.83	3,614.19	3,553.44	60.76	59.488		
7,600.00	6,869.76	7,091.33	6,913.09	58.61	33.19	165.30	-1,074.95	-27.49	3,661.27	3,599.85	61.42	59.609		
7,683.49	6,942.18	7,151.38	6,973.14	59.42	33.33	165.42	-1,074.71	-26.53	3,700.82	3,638.87	61.95	59.736		
7,700.00	6,956.57	7,162.92	6,984.67	59.58	33.36	162.46	-1,074.67	-26.37	3,708.52	3,646.46	62.06	59.761		
7,750.00	7,000.85	7,198.34	7,020.09	60.04	33.45	152.70	-1,074.60	-25.95	3,729.89	3,667.52	62.37	59.801		
7,800.00	7,045.94	7,236.76	7,058.52	60.46	33.55	141.81	-1,074.55	-25.59	3,748.25	3,685.55	62.70	59.777		
7,850.00	7,091.49	7,275.94	7,097.69	60.84	33.65	130.14	-1,074.49	-25.35	3,763.46	3,700.42	63.04	59.701		
7,900.00	7,137.15	7,312.12	7,133.87	61.17	33.74	118.42	-1,074.43	-25.23	3,775.43	3,712.08	63.35	59.592		
7,950.00	7,182.58	7,344.23	7,165.98	61.44	33.82	107.49	-1,074.45	-25.20	3,784.19	3,720.54	63.64	59.459		
8,000.00	7,227.43	7,375.90	7,197.64	61.67	33.90	98.03	-1,074.55	-25.24	3,789.70	3,725.77	63.92	59.287		
8,050.00	7,271.36	7,425.56	7,247.31	61.84	34.04	90.41	-1,074.85	-25.32	3,791.89	3,727.61	64.29	58.982		
8,100.00	7,314.04	7,491.48	7,313.23	61.96	34.22	84.59	-1,075.26	-24.89	3,790.50	3,725.76	64.74	58.552		
8,150.00	7,355.14	7,533.90	7,355.64	62.04	34.34	80.07	-1,075.61	-24.34	3,785.65	3,720.60	65.06	58.191		
8,200.00	7,394.34	7,576.58	7,398.31	62.07	34.46	76.80	-1,076.06	-23.61	3,777.53	3,712.17	65.37	57.788		
8,250.00	7,431.36	7,607.61	7,429.33	62.06	34.54	74.49	-1,076.46	-23.02	3,766.29	3,700.68	65.61	57.401		
8,300.00	7,465.90	7,636.40	7,458.12	62.01	34.63	73.04	-1,076.90	-22.48	3,752.10	3,686.25	65.84	56.987		
8,350.00	7,497.71	7,663.09	7,484.80	61.93	34.70	72.36	-1,077.35	-21.98	3,735.08	3,669.03	66.05	56.546		
8,400.00	7,526.53	7,686.47	7,508.17	61.81	34.77	72.35	-1,077.79	-21.56	3,715.40	3,649.15	66.25	56.082		
8,450.00	7,552.17	7,706.87	7,528.56	61.66	34.83	72.94	-1,078.18	-21.24	3,693.23	3,626.80	66.43	55.597		
8,500.00	7,574.41	7,724.67	7,546.36	61.48	34.88	74.12	-1,078.53	-20.99	3,668.74	3,602.15	66.60	55.089		
8,550.00	7,593.09	7,739.77	7,561.45	61.29	34.93	75.85	-1,078.84	-20.80	3,642.14	3,575.39	66.76	54.560		
8,600.00	7,608.07	7,752.04	7,573.72	61.07	34.97	78.13	-1,079.08	-20.66	3,613.63	3,546.72	66.91	54.010		
8,650.00	7,619.23	7,761.40	7,583.07	60.84	34.99	80.93	-1,079.28	-20.57	3,583.41	3,516.36	67.05	53.443		
8,700.00	7,626.48	7,766.00	7,587.68	60.60	35.01	84.20	-1,079.37	-20.52	3,551.71	3,484.53	67.18	52.869		
8,750.00	7,629.78	7,766.00	7,587.68	60.35	35.01	87.94	-1,079.37	-20.52	3,518.76	3,451.46	67.29	52.289		
8,766.45	7,630.00	7,766.00	7,587.68	60.27	35.01	89.28	-1,079.37	-20.52	3,507.68	3,440.35	67.34	52.092		
8,800.00	7,630.00	7,766.00	7,587.68	60.10	35.01	89.28	-1,079.37	-20.52	3,485.07	3,417.64	67.42	51.689		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
8,900.00	7,630.00	7,766.00	7,587.68	59.61	35.01	89.28	-1,079.37	-20.52	3,418.73	3,351.02	67.70	50.495		
9,000.00	7,630.00	7,766.00	7,587.68	59.15	35.01	89.28	-1,079.37	-20.52	3,354.06	3,286.04	68.02	49.309		
9,100.00	7,630.00	7,766.00	7,587.68	58.71	35.01	89.28	-1,079.37	-20.52	3,291.16	3,222.79	68.38	48.133		
9,200.00	7,630.00	7,766.00	7,587.68	58.30	35.01	89.28	-1,079.37	-20.52	3,230.14	3,161.37	68.77	46.969		
9,300.00	7,630.00	7,766.00	7,587.68	57.91	35.01	89.28	-1,079.37	-20.52	3,171.09	3,101.88	69.21	45.820		
9,400.00	7,630.00	7,778.60	7,600.28	57.54	35.05	89.56	-1,079.64	-20.42	3,114.09	3,044.31	69.79	44.623		
9,500.00	7,630.00	7,779.96	7,601.63	57.19	35.05	89.59	-1,079.67	-20.41	3,059.34	2,989.01	70.32	43.504		
9,600.00	7,630.00	7,781.33	7,603.01	56.87	35.05	89.62	-1,079.70	-20.40	3,006.91	2,936.01	70.91	42.407		
9,700.00	7,630.00	7,782.72	7,604.39	56.57	35.06	89.65	-1,079.73	-20.39	2,956.94	2,885.40	71.53	41.338		
9,800.00	7,630.00	7,784.13	7,605.80	56.30	35.06	89.68	-1,079.76	-20.39	2,909.54	2,837.34	72.20	40.298		
9,900.00	7,630.00	7,785.54	7,607.22	56.05	35.07	89.72	-1,079.79	-20.38	2,864.85	2,791.94	72.91	39.291		
10,000.00	7,630.00	7,786.98	7,608.65	55.82	35.07	89.75	-1,079.83	-20.37	2,823.00	2,749.33	73.67	38.322		
10,100.00	7,630.00	7,788.43	7,610.10	55.63	35.07	89.78	-1,079.86	-20.36	2,784.10	2,709.65	74.45	37.394		
10,200.00	7,630.00	7,789.90	7,611.57	55.46	35.08	89.81	-1,079.89	-20.35	2,748.30	2,673.03	75.27	36.511		
10,300.00	7,630.00	7,791.38	7,613.05	55.32	35.08	89.85	-1,079.93	-20.35	2,715.71	2,639.59	76.12	35.676		
10,400.00	7,630.00	7,792.88	7,614.55	55.22	35.09	89.88	-1,079.96	-20.34	2,686.45	2,609.46	76.99	34.894		
10,500.00	7,630.00	7,794.40	7,616.07	55.15	35.09	89.91	-1,080.00	-20.33	2,660.62	2,582.75	77.87	34.166		
10,600.00	7,630.00	7,795.93	7,617.60	55.14	35.10	89.95	-1,080.03	-20.33	2,638.33	2,559.57	78.76	33.497		
10,700.00	7,630.00	7,797.49	7,619.15	55.18	35.10	89.98	-1,080.07	-20.32	2,619.67	2,540.02	79.65	32.888		
10,800.00	7,630.00	7,799.06	7,620.72	55.28	35.11	90.02	-1,080.10	-20.32	2,604.72	2,524.18	80.54	32.342		
10,900.00	7,630.00	7,800.64	7,622.31	55.47	35.11	90.05	-1,080.14	-20.31	2,593.54	2,512.13	81.40	31.860		
11,000.00	7,630.00	7,802.25	7,623.92	55.74	35.12	90.09	-1,080.18	-20.31	2,586.18	2,503.93	82.25	31.444		
11,100.00	7,630.00	7,803.88	7,625.54	56.11	35.12	90.12	-1,080.22	-20.30	2,582.67	2,499.61	83.06	31.093		
11,140.73	7,630.00	7,804.55	7,626.21	56.29	35.12	90.14	-1,080.23	-20.30	2,582.35	2,498.96	83.39	30.968		
11,200.00	7,630.00	7,805.53	7,627.19	56.60	35.13	90.16	-1,080.26	-20.30	2,583.03	2,499.19	83.84	30.810		
11,300.00	7,630.00	7,807.19	7,628.86	57.20	35.13	90.20	-1,080.30	-20.30	2,587.25	2,502.68	84.57	30.592		
11,400.00	7,630.00	7,808.88	7,630.54	57.91	35.14	90.23	-1,080.34	-20.29	2,595.32	2,510.07	85.26	30.441		
11,500.00	7,630.00	7,810.58	7,632.25	58.72	35.14	90.27	-1,080.38	-20.29	2,607.21	2,521.32	85.89	30.355		
11,600.00	7,630.00	7,812.31	7,633.97	59.63	35.15	90.31	-1,080.42	-20.29	2,622.85	2,536.38	86.47	30.332		
11,700.00	7,630.00	7,814.06	7,635.72	60.61	35.15	90.35	-1,080.47	-20.29	2,642.19	2,555.20	86.99	30.372		
11,800.00	7,630.00	7,815.83	7,637.49	61.67	35.16	90.39	-1,080.51	-20.29	2,665.14	2,577.68	87.46	30.473		
11,900.00	7,630.00	7,817.62	7,639.28	62.78	35.16	90.43	-1,080.56	-20.29	2,691.61	2,603.74	87.87	30.633		
12,000.00	7,630.00	7,819.43	7,641.09	63.95	35.17	90.47	-1,080.60	-20.29	2,721.50	2,633.28	88.22	30.850		
12,100.00	7,630.00	7,821.27	7,642.93	65.16	35.17	90.51	-1,080.65	-20.29	2,754.69	2,666.18	88.51	31.122		
12,200.00	7,630.00	7,823.13	7,644.79	66.41	35.18	90.55	-1,080.70	-20.29	2,791.07	2,702.31	88.76	31.446		
12,300.00	7,630.00	7,825.01	7,646.67	67.68	35.19	90.59	-1,080.74	-20.29	2,830.52	2,741.57	88.95	31.821		
12,400.00	7,630.00	7,826.92	7,648.58	68.99	35.19	90.63	-1,080.79	-20.29	2,872.91	2,783.80	89.10	32.243		
12,500.00	7,630.00	7,828.85	7,650.51	70.33	35.20	90.68	-1,080.84	-20.30	2,918.10	2,828.90	89.21	32.712		
12,600.00	7,630.00	7,830.81	7,652.47	71.68	35.20	90.72	-1,080.90	-20.30	2,965.98	2,876.71	89.27	33.224		
12,700.00	7,630.00	7,832.79	7,654.45	73.06	35.21	90.76	-1,080.95	-20.31	3,016.42	2,927.11	89.30	33.777		
12,800.00	7,630.00	7,834.80	7,656.46	74.45	35.22	90.81	-1,081.00	-20.31	3,069.28	2,979.98	89.30	34.370		
12,900.00	7,630.00	7,836.84	7,658.49	75.87	35.22	90.85	-1,081.06	-20.32	3,124.45	3,035.17	89.27	34.999		
13,000.00	7,630.00	7,838.90	7,660.55	77.29	35.23	90.90	-1,081.11	-20.33	3,181.80	3,092.58	89.22	35.664		
13,100.00	7,630.00	7,840.99	7,662.64	78.74	35.23	90.95	-1,081.17	-20.34	3,241.22	3,152.08	89.14	36.362		
13,200.00	7,630.00	7,843.11	7,664.76	80.19	35.24	90.99	-1,081.23	-20.34	3,302.60	3,213.56	89.04	37.091		
13,300.00	7,630.00	7,845.25	7,666.91	81.66	35.25	91.04	-1,081.28	-20.35	3,365.83	3,276.90	88.93	37.849		
13,400.00	7,630.00	7,847.43	7,669.08	83.14	35.25	91.09	-1,081.34	-20.37	3,430.81	3,342.01	88.80	38.635		
13,500.00	7,630.00	7,849.64	7,671.29	84.63	35.26	91.14	-1,081.41	-20.38	3,497.44	3,408.78	88.66	39.446		
13,600.00	7,630.00	7,851.87	7,673.52	86.14	35.27	91.19	-1,081.47	-20.39	3,565.63	3,477.11	88.51	40.283		
13,700.00	7,630.00	7,854.14	7,675.79	87.65	35.27	91.24	-1,081.53	-20.41	3,635.29	3,546.93	88.36	41.142		
13,800.00	7,630.00	7,856.44	7,678.09	89.17	35.28	91.29	-1,081.60	-20.42	3,706.33	3,618.13	88.20	42.023		
13,900.00	7,630.00	7,859.00	7,680.65	90.70	35.29	91.35	-1,081.67	-20.44	3,778.69	3,690.65	88.03	42.924		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
14,000.00	7,630.00	7,859.00	7,680.65	92.24	35.29	91.35	-1,081.67	-20.44	3,852.28	3,764.43	87.85	43.851		
14,100.00	7,630.00	7,859.00	7,680.65	93.78	35.29	91.35	-1,081.67	-20.44	3,927.03	3,839.37	87.67	44.795		
14,200.00	7,630.00	7,859.00	7,680.65	95.33	35.29	91.35	-1,081.67	-20.44	4,002.89	3,915.41	87.48	45.756		
14,300.00	7,630.00	7,859.00	7,680.65	96.89	35.29	91.35	-1,081.67	-20.44	4,079.79	3,992.50	87.30	46.734		
14,400.00	7,630.00	7,868.68	7,690.32	98.46	35.32	91.56	-1,081.95	-20.52	4,157.66	4,070.50	87.16	47.701		
14,500.00	7,630.00	7,870.71	7,692.35	100.03	35.32	91.60	-1,082.01	-20.55	4,236.47	4,149.48	86.99	48.702		
14,600.00	7,630.00	7,872.77	7,694.41	101.61	35.33	91.65	-1,082.07	-20.57	4,316.15	4,229.34	86.81	49.717		
14,700.00	7,630.00	7,874.85	7,696.49	103.20	35.34	91.70	-1,082.14	-20.59	4,396.66	4,310.02	86.65	50.743		
14,800.00	7,630.00	7,876.95	7,698.59	104.78	35.34	91.74	-1,082.20	-20.62	4,477.96	4,391.48	86.48	51.781		
14,900.00	7,630.00	7,879.07	7,700.71	106.38	35.35	91.79	-1,082.26	-20.64	4,559.99	4,473.68	86.31	52.830		
15,000.00	7,630.00	7,881.22	7,702.85	107.98	35.36	91.84	-1,082.33	-20.67	4,642.74	4,556.58	86.15	53.889		
15,100.00	7,630.00	7,883.39	7,705.02	109.58	35.36	91.89	-1,082.39	-20.70	4,726.14	4,640.15	86.00	54.958		
15,200.00	7,630.00	7,885.58	7,707.22	111.19	35.37	91.93	-1,082.46	-20.73	4,810.18	4,724.34	85.84	56.036		
15,300.00	7,630.00	7,887.80	7,709.43	112.81	35.38	91.98	-1,082.53	-20.77	4,894.82	4,809.13	85.69	57.121		
15,400.00	7,630.00	7,890.04	7,711.68	114.42	35.38	92.03	-1,082.60	-20.80	4,980.02	4,894.48	85.54	58.215		
15,500.00	7,630.00	7,892.31	7,713.94	116.05	35.39	92.08	-1,082.67	-20.84	5,065.77	4,980.36	85.40	59.316		
15,600.00	7,630.00	7,894.61	7,716.23	117.67	35.40	92.13	-1,082.74	-20.88	5,152.02	5,066.76	85.26	60.424		
15,700.00	7,630.00	7,896.93	7,718.55	119.30	35.41	92.19	-1,082.81	-20.92	5,238.77	5,153.64	85.13	61.539		
15,800.00	7,630.00	7,899.27	7,720.90	120.93	35.41	92.24	-1,082.89	-20.96	5,325.98	5,240.98	85.00	62.659		
15,900.00	7,630.00	7,901.65	7,723.27	122.57	35.42	92.29	-1,082.96	-21.01	5,413.63	5,328.75	84.87	63.785		
16,000.00	7,630.00	7,904.05	7,725.67	124.21	35.43	92.34	-1,083.04	-21.05	5,501.69	5,416.94	84.75	64.917		
16,100.00	7,630.00	7,906.47	7,728.09	125.85	35.43	92.40	-1,083.12	-21.10	5,590.16	5,505.53	84.63	66.053		
16,200.00	7,630.00	7,908.93	7,730.55	127.50	35.44	92.45	-1,083.20	-21.15	5,679.01	5,594.50	84.52	67.193		
16,300.00	7,630.00	7,911.41	7,733.03	129.15	35.45	92.51	-1,083.28	-21.21	5,768.23	5,683.82	84.41	68.338		
16,400.00	7,630.00	7,913.93	7,735.54	130.80	35.46	92.56	-1,083.36	-21.26	5,857.79	5,773.49	84.30	69.487		
16,500.00	7,630.00	7,916.47	7,738.08	132.46	35.47	92.62	-1,083.45	-21.32	5,947.68	5,863.48	84.20	70.640		
16,600.00	7,630.00	7,919.05	7,740.66	134.11	35.47	92.67	-1,083.53	-21.38	6,037.89	5,953.79	84.10	71.795		
16,700.00	7,630.00	7,921.65	7,743.26	135.77	35.48	92.73	-1,083.62	-21.44	6,128.40	6,044.40	84.00	72.954		
16,800.00	7,630.00	16,800.00	7,808.76	137.43	63.69	94.18	-1,086.06	-22.82	6,219.19	6,105.21	113.98	54.565		
16,900.00	7,630.00	16,900.00	8,110.68	139.10	67.88	100.77	-1,101.54	-17.25	6,310.11	6,196.80	113.31	55.690		
17,000.00	7,630.00	17,000.00	8,117.38	140.77	68.25	100.92	-1,101.99	-16.98	6,401.17	6,287.62	113.55	56.372		
17,100.00	7,630.00	8,345.76	8,166.60	142.44	36.89	101.98	-1,105.49	-15.03	6,492.49	6,407.52	84.97	76.412		
17,200.00	7,630.00	8,349.57	8,170.39	144.11	36.91	102.06	-1,105.77	-14.89	6,584.01	6,499.13	84.88	77.567		
17,300.00	7,630.00	8,353.33	8,174.14	145.78	36.92	102.14	-1,106.05	-14.75	6,675.77	6,590.97	84.80	78.724		
17,400.00	7,630.00	8,357.04	8,177.84	147.46	36.93	102.22	-1,106.33	-14.61	6,767.76	6,683.04	84.72	79.882		
17,500.00	7,630.00	8,360.71	8,181.50	149.13	36.95	102.29	-1,106.60	-14.48	6,859.97	6,775.32	84.65	81.043		
17,600.00	7,630.00	8,364.34	8,185.12	150.81	36.96	102.37	-1,106.86	-14.34	6,952.39	6,867.81	84.57	82.204		
17,700.00	7,630.00	8,367.92	8,188.69	152.49	36.97	102.45	-1,107.13	-14.21	7,045.01	6,960.51	84.51	83.367		
17,800.00	7,630.00	8,371.47	8,192.22	154.18	36.99	102.52	-1,107.38	-14.09	7,137.83	7,053.39	84.44	84.532		
17,900.00	7,630.00	8,374.97	8,195.71	155.86	37.00	102.60	-1,107.63	-13.96	7,230.84	7,146.46	84.38	85.697		
18,000.00	7,630.00	8,378.43	8,199.16	157.55	37.01	102.67	-1,107.88	-13.84	7,324.03	7,239.71	84.32	86.863		
18,100.00	7,630.00	8,381.85	8,202.57	159.24	37.02	102.74	-1,108.13	-13.72	7,417.39	7,333.13	84.26	88.030		
18,200.00	7,630.00	8,385.23	8,205.94	160.92	37.04	102.82	-1,108.36	-13.61	7,510.92	7,426.72	84.21	89.197		
18,300.00	7,630.00	8,388.57	8,209.27	162.62	37.05	102.89	-1,108.60	-13.49	7,604.62	7,520.46	84.15	90.366		
18,400.00	7,630.00	8,391.88	8,212.56	164.31	37.06	102.96	-1,108.83	-13.38	7,698.46	7,614.36	84.11	91.534		
18,458.39	7,630.00	8,393.79	8,214.47	165.30	37.07	103.00	-1,108.96	-13.32	7,753.33	7,669.26	84.08	92.216		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	-11.74	218.21	-45.36	223.10				
100.00	100.00	87.92	87.92	0.13	0.14	-11.70	218.64	-45.30	223.29	223.01	0.28	799.582	
200.00	200.00	189.15	189.14	0.49	0.40	-11.49	219.86	-44.71	224.37	223.47	0.90	249.933	
300.00	300.00	294.58	294.50	0.85	0.78	-10.59	219.72	-41.07	223.57	221.94	1.63	136.854	
400.00	400.00	397.91	397.50	1.21	1.16	-8.66	218.08	-33.21	220.72	218.35	2.37	93.001	
500.00	500.00	498.01	496.82	1.57	1.56	-5.51	216.23	-20.87	217.34	214.22	3.12	69.566	
600.00	600.00	604.13	601.59	1.93	2.01	-1.20	212.74	-4.47	213.11	209.18	3.93	54.242	
700.00	700.00	700.32	695.99	2.29	2.45	3.69	208.40	13.45	208.92	204.18	4.73	44.152	
761.72	761.72	757.43	751.72	2.51	2.73	7.13	206.40	25.80	208.01	202.77	5.24	39.724	
800.00	800.00	791.21	784.55	2.64	2.90	9.30	205.62	33.69	208.43	202.89	5.54	37.599	
900.00	900.00	873.43	864.22	3.00	3.33	14.57	207.37	53.89	215.81	209.50	6.30	34.235	
1,000.00	1,000.00	975.05	962.40	3.36	3.88	20.64	211.65	79.73	227.84	220.67	7.17	31.764	
1,100.00	1,100.00	1,073.24	1,057.25	3.72	4.42	26.18	213.70	105.04	240.36	232.36	8.00	30.040	
1,200.00	1,199.98	1,168.82	1,149.31	4.07	4.96	-19.88	215.54	130.69	253.70	244.92	8.79	28.865	
1,300.00	1,299.84	1,266.19	1,243.15	4.43	5.51	-15.60	217.78	156.57	265.64	256.08	9.56	27.781	
1,400.00	1,399.45	1,358.90	1,332.85	4.79	6.03	-12.55	221.73	179.63	275.90	265.63	10.27	26.858	
1,500.00	1,498.70	1,453.96	1,424.49	5.15	6.56	-10.01	228.45	203.99	286.10	275.10	11.00	26.016	
1,600.00	1,597.47	1,551.47	1,518.47	5.53	7.12	-7.69	235.42	229.05	293.52	281.80	11.72	25.044	
1,700.00	1,695.62	1,646.73	1,609.98	5.93	7.67	-5.59	242.90	254.38	299.11	286.69	12.42	24.079	
1,800.00	1,793.06	1,747.44	1,706.70	6.35	8.26	-3.74	252.24	280.86	302.36	289.19	13.17	22.953	
1,900.00	1,889.64	1,848.90	1,804.44	6.79	8.84	-2.06	261.51	306.47	301.49	287.56	13.93	21.649	
2,000.00	1,985.27	1,956.99	1,908.88	7.27	9.44	-0.14	269.93	332.98	295.98	281.24	14.74	20.086	
2,100.00	2,079.82	2,056.35	2,005.21	7.79	9.99	1.95	275.70	356.67	285.50	270.05	15.46	18.471	
2,200.00	2,173.17	2,151.19	2,097.00	8.36	10.52	4.17	281.55	379.79	272.63	256.50	16.13	16.899	
2,300.00	2,265.21	2,248.86	2,191.36	8.97	11.08	6.70	288.29	404.06	257.61	240.78	16.83	15.304	
2,400.00	2,355.84	2,351.72	2,291.05	9.64	11.65	9.90	294.70	428.57	238.50	220.92	17.58	13.567	
2,500.00	2,444.94	2,448.78	2,385.39	10.36	12.17	13.71	300.31	450.69	215.68	197.40	18.29	11.796	
2,591.69	2,525.19	2,535.72	2,469.92	11.07	12.64	18.06	305.64	470.29	192.75	173.80	18.96	10.168	
2,600.00	2,532.40	2,543.35	2,477.33	11.14	12.69	18.50	306.09	472.04	190.64	171.61	19.02	10.022	
2,700.00	2,619.15	2,636.00	2,567.11	11.96	13.20	25.11	310.47	494.52	167.17	147.29	19.88	8.410	
2,800.00	2,705.89	2,731.22	2,659.33	12.81	13.74	34.24	313.85	518.01	147.04	125.92	21.12	6.961	
2,900.00	2,792.64	2,825.12	2,750.14	13.67	14.27	45.18	317.84	541.53	132.09	109.14	22.95	5.755	
3,000.00	2,879.39	2,919.21	2,841.06	14.55	14.81	58.31	321.10	565.50	124.16	98.64	25.52	4.865	
3,044.31	2,917.82	2,961.03	2,881.47	14.95	15.05	64.56	322.32	576.22	123.32	96.50	26.81	4.599 CC	
3,100.00	2,966.14	3,013.81	2,932.45	15.44	15.36	72.41	323.89	589.80	124.63	96.19	28.44	4.383 ES	
3,200.00	3,052.88	3,110.25	3,025.49	16.34	15.92	85.48	327.78	614.89	132.58	101.54	31.04	4.271 SF	
3,300.00	3,139.63	3,207.93	3,119.83	17.25	16.48	96.73	333.46	639.55	145.00	111.94	33.07	4.385	
3,400.00	3,226.38	3,303.81	3,212.50	18.17	17.03	105.90	339.59	663.35	161.46	126.92	34.54	4.675	
3,500.00	3,313.12	3,399.27	3,304.99	19.09	17.56	113.56	345.71	686.21	181.16	145.53	35.63	5.085	
3,600.00	3,399.87	3,492.50	3,395.39	20.02	18.08	119.64	351.30	708.33	203.84	167.37	36.48	5.589	
3,700.00	3,486.62	3,584.03	3,484.26	20.96	18.59	124.50	355.30	729.84	229.96	192.76	37.19	6.183	
3,800.00	3,573.37	3,678.72	3,576.08	21.90	19.11	128.39	358.77	752.69	258.07	220.10	37.96	6.798	
3,900.00	3,660.11	3,774.23	3,668.84	22.84	19.64	131.70	362.77	775.09	286.66	247.93	38.73	7.401	
4,000.00	3,746.86	3,868.38	3,760.18	23.78	20.16	134.27	366.51	797.64	316.10	276.58	39.52	7.999	
4,100.00	3,833.61	3,963.63	3,852.64	24.73	20.68	136.49	370.44	820.14	345.96	305.63	40.33	8.579	
4,200.00	3,920.35	4,061.27	3,947.49	25.68	21.21	138.46	374.80	842.93	375.97	334.79	41.17	9.131	
4,300.00	4,007.10	4,157.49	4,041.13	26.63	21.73	140.31	380.50	864.32	405.20	363.24	41.96	9.656	
4,400.00	4,093.85	4,250.64	4,131.77	27.59	22.23	141.82	385.29	885.21	435.44	392.70	42.74	10.188	
4,500.00	4,180.60	4,346.00	4,224.53	28.55	22.74	143.16	390.58	906.71	465.53	421.97	43.57	10.686	
4,600.00	4,267.34	4,436.28	4,312.63	29.50	23.21	144.42	395.36	925.83	496.46	452.16	44.30	11.207	
4,700.00	4,354.09	4,529.24	4,403.08	30.46	23.71	145.36	399.11	946.96	528.24	483.10	45.15	11.701	
4,800.00	4,440.84	4,626.34	4,497.56	31.42	24.23	146.25	403.25	968.99	559.95	513.89	46.06	12.157	

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,527.58	4,720.39	4,589.08	32.39	24.73	147.05	407.71	990.16	591.40	544.46	46.93	12.601		
5,000.00	4,614.33	4,804.17	4,670.65	33.35	25.18	147.67	410.98	1,009.01	623.72	576.03	47.69	13.079		
5,100.00	4,701.08	4,881.18	4,745.90	34.31	25.57	148.23	412.26	1,025.31	658.50	610.17	48.33	13.625		
5,200.00	4,787.82	4,964.37	4,827.66	35.28	25.97	148.94	412.93	1,040.64	695.11	646.13	48.99	14.190		
5,300.00	4,874.57	5,048.63	4,910.87	36.25	26.33	149.78	413.48	1,053.84	733.00	683.42	49.58	14.783		
5,400.00	4,961.32	5,133.61	4,995.06	37.21	26.68	150.67	413.89	1,065.43	771.94	721.80	50.14	15.395		
5,500.00	5,048.07	5,217.24	5,078.10	38.18	27.00	151.56	414.18	1,075.36	811.86	761.21	50.65	16.029		
5,600.00	5,134.81	5,297.31	5,157.78	39.15	27.28	152.46	414.37	1,083.14	852.92	801.85	51.07	16.701		
5,700.00	5,221.56	5,376.78	5,237.06	40.12	27.54	153.42	414.54	1,088.65	895.34	843.91	51.43	17.410		
5,800.00	5,308.31	5,457.86	5,318.04	41.09	27.78	154.42	414.69	1,092.58	938.90	887.13	51.78	18.133		
5,900.00	5,395.05	5,541.81	5,401.94	42.06	28.02	155.42	414.76	1,095.71	983.30	931.14	52.16	18.852		
6,000.00	5,481.80	5,628.10	5,488.18	43.03	28.26	156.40	414.93	1,098.38	1,028.13	975.56	52.58	19.555		
6,100.00	5,568.55	5,708.05	5,568.11	44.00	28.48	157.29	415.19	1,099.91	1,073.65	1,020.73	52.92	20.290		
6,200.00	5,655.30	5,787.93	5,648.00	44.97	28.68	158.15	415.40	1,100.43	1,120.01	1,066.77	53.24	21.035		
6,300.00	5,742.04	5,874.48	5,734.55	45.94	28.89	159.06	415.64	1,100.35	1,166.95	1,113.30	53.65	21.750		
6,400.00	5,828.79	5,958.88	5,818.95	46.92	29.09	159.88	415.94	1,100.12	1,214.14	1,160.09	54.05	22.464		
6,500.00	5,915.54	6,044.21	5,904.28	47.89	29.29	160.65	416.08	1,099.79	1,261.70	1,207.23	54.47	23.163		
6,600.00	6,002.28	6,130.24	5,990.30	48.86	29.49	161.39	416.33	1,099.24	1,309.49	1,254.57	54.91	23.846		
6,700.00	6,089.03	6,215.16	6,075.22	49.83	29.69	162.07	416.58	1,098.59	1,357.49	1,302.13	55.36	24.521		
6,800.00	6,175.78	6,298.88	6,158.94	50.81	29.88	162.69	416.65	1,097.96	1,405.79	1,349.98	55.81	25.188		
6,900.00	6,262.53	6,382.78	6,242.83	51.78	30.08	163.29	416.70	1,097.03	1,454.40	1,398.13	56.27	25.845		
7,000.00	6,349.27	6,468.40	6,328.44	52.76	30.28	163.88	416.97	1,095.72	1,503.20	1,446.44	56.76	26.483		
7,100.00	6,436.02	6,551.01	6,411.04	53.73	30.47	164.41	417.17	1,094.29	1,552.25	1,495.02	57.23	27.123		
7,200.00	6,522.77	6,627.87	6,487.89	54.71	30.65	164.88	416.99	1,092.94	1,601.75	1,544.10	57.65	27.784		
7,300.00	6,609.51	6,722.85	6,582.85	55.68	30.87	165.40	416.50	1,091.45	1,651.45	1,593.17	58.28	28.335		
7,400.00	6,696.26	6,836.85	6,696.85	56.66	31.16	165.98	416.76	1,090.70	1,700.24	1,641.11	59.14	28.750		
7,500.00	6,783.01	6,934.58	6,794.57	57.63	31.43	166.42	417.42	1,091.28	1,748.11	1,688.26	59.86	29.206		
7,600.00	6,869.76	7,022.41	6,882.40	58.61	31.68	166.77	417.96	1,092.30	1,795.76	1,735.27	60.49	29.688		
7,683.49	6,942.18	7,097.02	6,957.00	59.42	31.89	167.06	418.49	1,093.19	1,835.52	1,774.49	61.03	30.074		
7,700.00	6,956.57	7,111.89	6,971.87	59.58	31.93	164.11	418.62	1,093.35	1,843.22	1,782.08	61.14	30.148		
7,750.00	7,000.85	7,160.17	7,020.14	60.04	32.07	154.47	419.03	1,093.96	1,864.54	1,803.07	61.48	30.329		
7,800.00	7,045.94	7,209.41	7,069.38	60.46	32.22	143.74	419.45	1,094.75	1,882.76	1,820.96	61.80	30.466		
7,850.00	7,091.49	7,255.45	7,115.41	60.84	32.35	132.26	419.85	1,095.53	1,897.81	1,835.75	62.06	30.580		
7,900.00	7,137.15	7,301.92	7,161.87	61.17	32.49	120.77	420.28	1,096.31	1,909.67	1,847.37	62.30	30.654		
7,950.00	7,182.58	7,347.29	7,207.23	61.44	32.62	110.15	420.82	1,096.94	1,918.33	1,855.84	62.49	30.697		
8,000.00	7,227.43	7,391.82	7,251.76	61.67	32.75	101.03	421.54	1,097.34	1,923.82	1,861.17	62.65	30.707		
8,050.00	7,271.36	7,425.41	7,285.34	61.84	32.84	93.50	422.07	1,097.51	1,926.29	1,863.62	62.67	30.739		
8,100.00	7,314.04	7,458.17	7,318.10	61.96	32.93	87.63	422.46	1,097.58	1,925.92	1,863.26	62.65	30.740		
8,150.00	7,355.14	7,490.97	7,350.90	62.04	33.03	83.23	422.71	1,097.54	1,922.76	1,860.15	62.62	30.706		
8,200.00	7,394.34	7,527.62	7,387.54	62.07	33.12	80.14	422.94	1,097.43	1,916.85	1,854.23	62.61	30.613		
8,250.00	7,431.36	7,562.20	7,422.12	62.06	33.22	78.08	423.13	1,097.30	1,908.25	1,845.67	62.58	30.491		
8,300.00	7,465.90	7,594.42	7,454.34	62.01	33.30	76.88	423.30	1,097.13	1,897.14	1,834.61	62.53	30.341		
8,350.00	7,497.71	7,623.98	7,483.90	61.93	33.38	76.39	423.46	1,096.93	1,883.68	1,821.24	62.45	30.163		
8,400.00	7,526.53	7,650.68	7,510.60	61.81	33.45	76.51	423.61	1,096.71	1,868.07	1,805.72	62.35	29.959		
8,450.00	7,552.17	7,674.48	7,534.40	61.66	33.52	77.16	423.76	1,096.47	1,850.51	1,788.26	62.25	29.727		
8,500.00	7,574.41	7,696.37	7,556.29	61.48	33.57	78.30	423.89	1,096.25	1,831.19	1,769.04	62.15	29.462		
8,550.00	7,593.09	7,714.77	7,574.68	61.29	33.62	79.83	423.98	1,096.07	1,810.33	1,748.27	62.06	29.173		
8,600.00	7,608.07	7,729.51	7,589.43	61.07	33.66	81.70	424.05	1,095.94	1,788.14	1,726.18	61.96	28.859		
8,650.00	7,619.23	7,740.48	7,600.40	60.84	33.69	83.84	424.10	1,095.84	1,764.84	1,702.96	61.87	28.524		
8,700.00	7,626.48	7,747.56	7,607.48	60.60	33.71	86.21	424.13	1,095.78	1,740.63	1,678.83	61.79	28.168		
8,750.00	7,629.78	7,750.69	7,610.60	60.35	33.72	88.77	424.14	1,095.75	1,715.71	1,653.99	61.73	27.794		
8,766.45	7,630.00	7,750.84	7,610.76	60.27	33.72	89.64	424.14	1,095.75	1,707.40	1,645.69	61.71	27.667		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
8,800.00	7,630.00	7,750.72	7,610.63	60.10	33.72	89.64	424.14	1,095.75	1,690.62	1,628.94	61.68	27.408		
8,900.00	7,630.00	7,750.34	7,610.25	59.61	33.72	89.62	424.14	1,095.76	1,643.68	1,582.00	61.68	26.646		
9,000.00	7,630.00	7,749.96	7,609.87	59.15	33.71	89.61	424.14	1,095.76	1,601.61	1,539.78	61.83	25.903		
9,100.00	7,630.00	7,749.57	7,609.48	58.71	33.71	89.59	424.14	1,095.76	1,564.81	1,502.67	62.14	25.183		
9,200.00	7,630.00	7,749.18	7,609.10	58.30	33.71	89.58	424.13	1,095.77	1,533.66	1,471.04	62.62	24.492		
9,300.00	7,630.00	7,748.79	7,608.71	57.91	33.71	89.56	424.13	1,095.77	1,508.51	1,445.23	63.28	23.840		
9,400.00	7,630.00	7,748.40	7,608.32	57.54	33.71	89.54	424.13	1,095.77	1,489.65	1,425.55	64.11	23.237		
9,500.00	7,630.00	7,748.01	7,607.92	57.19	33.71	89.53	424.13	1,095.78	1,477.34	1,412.25	65.09	22.696		
9,600.00	7,630.00	7,747.61	7,607.52	56.87	33.71	89.51	424.13	1,095.78	1,471.74	1,405.53	66.21	22.229		
9,632.63	7,630.00	7,747.48	7,607.39	56.77	33.71	89.51	424.13	1,095.78	1,471.38	1,404.78	66.60	22.092		
9,700.00	7,630.00	7,747.21	7,607.12	56.57	33.71	89.50	424.13	1,095.78	1,472.92	1,405.50	67.42	21.847		
9,800.00	7,630.00	7,746.81	7,606.72	56.30	33.71	89.48	424.13	1,095.79	1,480.87	1,412.17	68.70	21.557		
9,900.00	7,630.00	7,746.40	7,606.31	56.05	33.70	89.47	424.12	1,095.79	1,495.47	1,425.48	69.99	21.366		
10,000.00	7,630.00	7,745.99	7,605.91	55.82	33.70	89.45	424.12	1,095.79	1,516.55	1,445.27	71.28	21.275		
10,100.00	7,630.00	7,745.58	7,605.49	55.63	33.70	89.44	424.12	1,095.80	1,543.82	1,471.30	72.53	21.286		
10,200.00	7,630.00	7,745.17	7,605.08	55.46	33.70	89.42	424.12	1,095.80	1,576.98	1,503.27	73.71	21.395		
10,300.00	7,630.00	7,744.75	7,604.66	55.32	33.70	89.40	424.12	1,095.80	1,615.65	1,540.85	74.80	21.599		
10,400.00	7,630.00	7,744.33	7,604.25	55.22	33.70	89.39	424.12	1,095.81	1,659.46	1,583.65	75.81	21.891		
10,500.00	7,630.00	7,743.91	7,603.82	55.15	33.70	89.37	424.11	1,095.81	1,708.00	1,631.30	76.71	22.266		
10,600.00	7,630.00	7,743.48	7,603.40	55.14	33.70	89.35	424.11	1,095.82	1,760.90	1,683.38	77.51	22.717		
10,700.00	7,630.00	7,743.06	7,602.97	55.18	33.70	89.34	424.11	1,095.82	1,817.75	1,739.53	78.22	23.238		
10,800.00	7,630.00	7,742.62	7,602.54	55.28	33.69	89.32	424.11	1,095.82	1,878.22	1,799.37	78.84	23.822		
10,900.00	7,630.00	7,742.19	7,602.10	55.47	33.69	89.30	424.11	1,095.83	1,941.95	1,862.57	79.38	24.464		
11,000.00	7,630.00	7,741.75	7,601.67	55.74	33.69	89.29	424.11	1,095.83	2,008.64	1,928.80	79.84	25.157		
11,100.00	7,630.00	7,741.31	7,601.23	56.11	33.69	89.27	424.10	1,095.83	2,078.01	1,997.77	80.24	25.897		
11,200.00	7,630.00	7,740.87	7,600.78	56.60	33.69	89.25	424.10	1,095.84	2,149.79	2,069.21	80.58	26.680		
11,300.00	7,630.00	7,740.42	7,600.34	57.20	33.69	89.23	424.10	1,095.84	2,223.75	2,142.88	80.86	27.500		
11,400.00	7,630.00	7,739.97	7,599.89	57.91	33.69	89.22	424.10	1,095.85	2,299.68	2,218.57	81.10	28.355		
11,500.00	7,630.00	7,739.52	7,599.44	58.72	33.69	89.20	424.10	1,095.85	2,377.39	2,296.08	81.31	29.240		
11,600.00	7,630.00	7,739.07	7,598.98	59.63	33.69	89.18	424.09	1,095.85	2,456.72	2,375.24	81.47	30.154		
11,700.00	7,630.00	7,738.61	7,598.52	60.61	33.68	89.16	424.09	1,095.86	2,537.50	2,455.89	81.61	31.092		
11,800.00	7,630.00	7,738.14	7,598.06	61.67	33.68	89.15	424.09	1,095.86	2,619.62	2,537.89	81.73	32.053		
11,900.00	7,630.00	7,737.68	7,597.59	62.78	33.68	89.13	424.09	1,095.87	2,702.93	2,621.12	81.82	33.035		
12,000.00	7,630.00	7,737.21	7,597.12	63.95	33.68	89.11	424.09	1,095.87	2,787.35	2,705.46	81.89	34.036		
12,100.00	7,630.00	7,736.74	7,596.65	65.16	33.68	89.09	424.08	1,095.87	2,872.77	2,790.81	81.95	35.054		
12,200.00	7,630.00	7,736.26	7,596.18	66.41	33.68	89.07	424.08	1,095.88	2,959.10	2,877.10	82.00	36.087		
12,300.00	7,630.00	7,735.78	7,595.70	67.68	33.68	89.05	424.08	1,095.88	3,046.26	2,964.23	82.03	37.134		
12,400.00	7,630.00	7,735.30	7,595.21	68.99	33.68	89.03	424.08	1,095.89	3,134.20	3,052.14	82.06	38.194		
12,500.00	7,630.00	7,734.81	7,594.73	70.33	33.67	89.02	424.08	1,095.89	3,222.83	3,140.76	82.08	39.266		
12,600.00	7,630.00	7,734.32	7,594.24	71.68	33.67	89.00	424.07	1,095.90	3,312.12	3,230.03	82.09	40.348		
12,700.00	7,630.00	7,733.83	7,593.74	73.06	33.67	88.98	424.07	1,095.90	3,402.00	3,319.90	82.09	41.440		
12,800.00	7,630.00	7,733.33	7,593.25	74.45	33.67	88.96	424.07	1,095.90	3,492.43	3,410.33	82.10	42.541		
12,900.00	7,630.00	7,732.83	7,592.75	75.87	33.67	88.94	424.07	1,095.91	3,583.37	3,501.27	82.09	43.650		
13,000.00	7,630.00	7,732.33	7,592.24	77.29	33.67	88.92	424.07	1,095.91	3,674.77	3,592.69	82.09	44.767		
13,100.00	7,630.00	7,731.82	7,591.73	78.74	33.67	88.90	424.06	1,095.92	3,766.62	3,684.54	82.08	45.891		
13,200.00	7,630.00	7,731.31	7,591.22	80.19	33.67	88.88	424.06	1,095.92	3,858.87	3,776.81	82.07	47.021		
13,300.00	7,630.00	7,730.79	7,590.70	81.66	33.66	88.86	424.06	1,095.93	3,951.50	3,869.45	82.06	48.157		
13,400.00	7,630.00	7,730.27	7,590.18	83.14	33.66	88.84	424.06	1,095.93	4,044.48	3,962.44	82.04	49.298		
13,500.00	7,630.00	7,729.75	7,589.66	84.63	33.66	88.82	424.05	1,095.94	4,137.79	4,055.76	82.03	50.444		
13,600.00	7,630.00	7,729.22	7,589.13	86.14	33.66	88.80	424.05	1,095.94	4,231.40	4,149.39	82.01	51.594		
13,700.00	7,630.00	7,728.69	7,588.60	87.65	33.66	88.78	424.05	1,095.95	4,325.30	4,243.30	82.00	52.748		
13,800.00	7,630.00	7,728.15	7,588.06	89.17	33.66	88.76	424.05	1,095.95	4,419.46	4,337.48	81.98	53.907		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference 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: 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		
13,900.00	7,630.00	7,727.61	7,587.52	90.70	33.66	88.74	424.04	1,095.96	4,513.88	4,431.91	81.97	55.068		
14,000.00	7,630.00	7,727.06	7,586.98	92.24	33.65	88.71	424.04	1,095.96	4,608.53	4,526.58	81.95	56.233		
14,100.00	7,630.00	7,726.52	7,586.43	93.78	33.65	88.69	424.04	1,095.97	4,703.41	4,621.47	81.94	57.401		
14,200.00	7,630.00	7,725.96	7,585.88	95.33	33.65	88.67	424.04	1,095.97	4,798.49	4,716.56	81.93	58.571		
14,300.00	7,630.00	7,725.40	7,585.32	96.89	33.65	88.65	424.03	1,095.98	4,893.77	4,811.85	81.91	59.743		
14,400.00	7,630.00	7,724.84	7,584.76	98.46	33.65	88.63	424.03	1,095.98	4,989.23	4,907.33	81.90	60.918		
14,500.00	7,630.00	7,724.28	7,584.19	100.03	33.65	88.61	424.03	1,095.99	5,084.87	5,002.98	81.89	62.095		
14,600.00	7,630.00	7,723.71	7,583.62	101.61	33.65	88.58	424.03	1,095.99	5,180.67	5,098.79	81.88	63.273		
14,700.00	7,630.00	7,723.13	7,583.05	103.20	33.64	88.56	424.02	1,096.00	5,276.62	5,194.76	81.87	64.453		
14,800.00	7,630.00	7,722.55	7,582.47	104.78	33.64	88.54	424.02	1,096.00	5,372.73	5,290.87	81.86	65.635		
14,900.00	7,630.00	7,721.97	7,581.88	106.38	33.64	88.52	424.02	1,096.01	5,468.97	5,387.12	81.85	66.817		
15,000.00	7,630.00	7,721.38	7,581.29	107.98	33.64	88.49	424.02	1,096.01	5,565.35	5,483.51	81.84	68.001		
15,100.00	7,630.00	7,720.78	7,580.70	109.58	33.64	88.47	424.01	1,096.02	5,661.85	5,580.02	81.84	69.185		
15,200.00	7,630.00	7,720.18	7,580.10	111.19	33.64	88.45	424.01	1,096.02	5,758.47	5,676.64	81.83	70.371		
15,300.00	7,630.00	7,719.58	7,579.50	112.81	33.63	88.42	424.01	1,096.03	5,855.21	5,773.38	81.83	71.557		
15,400.00	7,630.00	7,718.97	7,578.89	114.42	33.63	88.40	424.00	1,096.04	5,952.05	5,870.23	81.82	72.743		
15,500.00	7,630.00	7,718.36	7,578.27	116.05	33.63	88.38	424.00	1,096.04	6,049.00	5,967.18	81.82	73.930		
15,600.00	7,630.00	7,717.74	7,577.65	117.67	33.63	88.35	424.00	1,096.05	6,146.04	6,064.22	81.82	75.117		
15,700.00	7,630.00	7,717.12	7,577.03	119.30	33.63	88.33	424.00	1,096.05	6,243.18	6,161.36	81.82	76.305		
15,800.00	7,630.00	7,716.49	7,576.40	120.93	33.63	88.30	423.99	1,096.06	6,340.40	6,258.59	81.82	77.493		
15,900.00	7,630.00	7,715.85	7,575.77	122.57	33.62	88.28	423.99	1,096.06	6,437.72	6,355.89	81.82	78.680		
16,000.00	7,630.00	7,715.21	7,575.13	124.21	33.62	88.25	423.99	1,096.07	6,535.11	6,453.28	81.82	79.868		
16,100.00	7,630.00	7,714.57	7,574.48	125.85	33.62	88.23	423.98	1,096.08	6,632.58	6,550.75	81.83	81.055		
16,200.00	7,630.00	7,713.92	7,573.83	127.50	33.62	88.20	423.98	1,096.08	6,730.12	6,648.29	81.83	82.242		
16,300.00	7,630.00	7,713.26	7,573.18	129.15	33.62	88.18	423.98	1,096.09	6,827.74	6,745.90	81.84	83.429		
16,400.00	7,630.00	7,712.60	7,572.51	130.80	33.62	88.15	423.97	1,096.10	6,925.42	6,843.57	81.85	84.616		
16,500.00	7,630.00	7,711.93	7,571.85	132.46	33.61	88.13	423.97	1,096.10	7,023.17	6,941.31	81.85	85.802		
16,600.00	7,630.00	7,711.26	7,571.17	134.11	33.61	88.10	423.97	1,096.11	7,120.98	7,039.11	81.86	86.987		
16,700.00	7,630.00	7,710.58	7,570.49	135.77	33.61	88.07	423.96	1,096.11	7,218.85	7,136.97	81.87	88.172		
16,800.00	7,630.00	7,709.89	7,569.81	137.43	33.61	88.05	423.96	1,096.12	7,316.77	7,234.89	81.88	89.357		
16,900.00	7,630.00	7,709.20	7,569.12	139.10	33.61	88.02	423.96	1,096.13	7,414.76	7,332.86	81.89	90.540		
17,000.00	7,630.00	7,708.51	7,568.42	140.77	33.61	87.99	423.95	1,096.13	7,512.79	7,430.89	81.91	91.723		
17,100.00	7,630.00	7,707.80	7,567.72	142.44	33.60	87.96	423.95	1,096.14	7,610.88	7,528.96	81.92	92.905		
17,200.00	7,630.00	7,707.09	7,567.01	144.11	33.60	87.94	423.95	1,096.15	7,709.02	7,627.08	81.94	94.086		
17,300.00	7,630.00	7,706.38	7,566.29	145.78	33.60	87.91	423.94	1,096.15	7,807.20	7,725.25	81.95	95.266		
17,400.00	7,630.00	7,705.66	7,565.57	147.46	33.60	87.88	423.94	1,096.16	7,905.43	7,823.46	81.97	96.445		
17,500.00	7,630.00	7,704.93	7,564.84	149.13	33.60	87.85	423.93	1,096.17	8,003.70	7,921.72	81.99	97.623		
17,600.00	7,630.00	7,704.19	7,564.11	150.81	33.59	87.82	423.93	1,096.18	8,102.02	8,020.01	82.00	98.800		
17,700.00	7,630.00	7,703.45	7,563.37	152.49	33.59	87.80	423.93	1,096.18	8,200.37	8,118.35	82.02	99.976		
17,800.00	7,630.00	7,702.70	7,562.62	154.18	33.59	87.77	423.92	1,096.19	8,298.77	8,216.73	82.04	101.151		
17,900.00	7,630.00	7,701.95	7,561.86	155.86	33.59	87.74	423.92	1,096.20	8,397.20	8,315.14	82.06	102.324		
18,000.00	7,630.00	7,701.18	7,561.10	157.55	33.59	87.71	423.91	1,096.20	8,495.67	8,413.58	82.09	103.496		
18,100.00	7,630.00	7,700.41	7,560.33	159.24	33.58	87.68	423.91	1,096.21	8,594.18	8,512.07	82.11	104.667		
18,200.00	7,630.00	7,699.64	7,559.55	160.92	33.58	87.65	423.91	1,096.22	8,692.71	8,610.58	82.13	105.836		
18,300.00	7,630.00	7,698.85	7,558.77	162.62	33.58	87.62	423.90	1,096.23	8,791.29	8,709.13	82.16	107.004		
18,400.00	7,630.00	7,698.06	7,557.98	164.31	33.58	87.59	423.90	1,096.24	8,889.89	8,807.71	82.18	108.171		
18,458.39	7,630.00	7,697.60	7,557.51	165.30	33.58	87.57	423.89	1,096.24	8,947.48	8,865.28	82.20	108.852		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	68.40	1,834.81	4,633.72	9,375.76					
100.00	100.00	15,353.00	7,799.48	0.13	138.96	68.40	1,834.81	4,633.72	9,291.21	9,202.68	88.54	104.942		
200.00	200.00	15,353.00	7,799.48	0.49	138.96	68.40	1,834.81	4,633.72	9,206.97	9,118.02	88.95	103.508		
300.00	300.00	15,353.00	7,799.48	0.85	138.96	68.40	1,834.81	4,633.72	9,123.05	9,033.66	89.39	102.054		
400.00	400.00	15,353.00	7,799.48	1.21	138.96	68.40	1,834.81	4,633.72	9,039.46	8,949.58	89.87	100.582		
500.00	500.00	15,353.00	7,799.48	1.57	138.96	68.40	1,834.81	4,633.72	8,956.20	8,865.82	90.38	99.097		
600.00	600.00	15,353.00	7,799.48	1.93	138.96	68.40	1,834.81	4,633.72	8,873.28	8,782.37	90.91	97.601		
700.00	700.00	15,353.00	7,799.48	2.29	138.96	68.40	1,834.81	4,633.72	8,790.73	8,699.25	91.48	96.098		
800.00	800.00	15,353.00	7,799.48	2.64	138.96	68.40	1,834.81	4,633.72	8,708.54	8,616.47	92.06	94.592		
900.00	900.00	15,353.00	7,799.48	3.00	138.96	68.40	1,834.81	4,633.72	8,626.72	8,534.04	92.68	93.084		
1,000.00	1,000.00	15,353.00	7,799.48	3.36	138.96	68.40	1,834.81	4,633.72	8,545.29	8,451.98	93.31	91.579		
1,100.00	1,100.00	15,353.00	7,799.48	3.72	138.96	68.40	1,834.81	4,633.72	8,464.26	8,370.29	93.97	90.077		
1,200.00	1,199.98	15,353.00	7,799.48	4.07	138.96	18.19	1,834.81	4,633.72	8,382.67	8,288.02	94.64	88.573		
1,300.00	1,299.84	15,353.00	7,799.48	4.43	138.96	19.15	1,834.81	4,633.72	8,299.57	8,204.25	95.32	87.071		
1,400.00	1,399.45	15,353.00	7,799.48	4.79	138.96	20.21	1,834.81	4,633.72	8,215.04	8,119.05	95.99	85.585		
1,500.00	1,498.70	15,353.00	7,799.48	5.15	138.96	21.41	1,834.81	4,633.72	8,129.13	8,032.49	96.64	84.116		
1,600.00	1,597.47	15,353.00	7,799.48	5.53	138.96	22.75	1,834.81	4,633.72	8,041.90	7,944.62	97.28	82.665		
1,700.00	1,695.62	15,353.00	7,799.48	5.93	138.96	24.26	1,834.81	4,633.72	7,953.42	7,855.50	97.91	81.231		
1,800.00	1,793.06	15,353.00	7,799.48	6.35	138.96	25.98	1,834.81	4,633.72	7,863.75	7,765.22	98.52	79.815		
1,900.00	1,889.64	15,353.00	7,799.48	6.79	138.96	27.95	1,834.81	4,633.72	7,772.96	7,673.84	99.12	78.417		
2,000.00	1,985.27	15,353.00	7,799.48	7.27	138.96	30.20	1,834.81	4,633.72	7,681.14	7,581.43	99.71	77.038		
2,100.00	2,079.82	15,353.00	7,799.48	7.79	138.96	32.80	1,834.81	4,633.72	7,588.34	7,488.07	100.27	75.678		
2,200.00	2,173.17	15,353.00	7,799.48	8.36	138.96	35.82	1,834.81	4,633.72	7,494.66	7,393.84	100.82	74.337		
2,300.00	2,265.21	15,353.00	7,799.48	8.97	138.96	39.34	1,834.81	4,633.72	7,400.17	7,298.82	101.35	73.015		
2,400.00	2,355.84	15,353.00	7,799.48	9.64	138.96	43.45	1,834.81	4,633.72	7,304.97	7,203.10	101.87	71.712		
2,500.00	2,444.94	15,353.00	7,799.48	10.36	138.96	48.27	1,834.81	4,633.72	7,209.13	7,106.77	102.36	70.428		
2,591.69	2,525.19	15,353.00	7,799.48	11.07	138.96	53.38	1,834.81	4,633.72	7,120.79	7,017.99	102.80	69.268		
2,600.00	2,532.40	15,353.00	7,799.48	11.14	138.96	53.38	1,834.81	4,633.72	7,112.77	7,009.92	102.84	69.162		
2,700.00	2,619.15	15,353.00	7,799.48	11.96	138.96	53.38	1,834.81	4,633.72	7,016.25	6,912.94	103.32	67.910		
2,800.00	2,705.89	15,353.00	7,799.48	12.81	138.96	53.38	1,834.81	4,633.72	6,919.84	6,816.03	103.81	66.658		
2,900.00	2,792.64	15,353.00	7,799.48	13.67	138.96	53.38	1,834.81	4,633.72	6,823.53	6,719.21	104.32	65.407		
3,000.00	2,879.39	15,353.00	7,799.48	14.55	138.96	53.38	1,834.81	4,633.72	6,727.33	6,622.47	104.86	64.157		
3,100.00	2,966.14	15,353.00	7,799.48	15.44	138.96	53.38	1,834.81	4,633.72	6,631.24	6,525.83	105.41	62.909		
3,200.00	3,052.88	15,353.00	7,799.48	16.34	138.96	53.38	1,834.81	4,633.72	6,535.27	6,429.29	105.98	61.664		
3,300.00	3,139.63	15,353.00	7,799.48	17.25	138.96	53.38	1,834.81	4,633.72	6,439.42	6,332.84	106.57	60.421		
3,400.00	3,226.38	15,353.00	7,799.48	18.17	138.96	53.38	1,834.81	4,633.72	6,343.70	6,236.51	107.19	59.182		
3,500.00	3,313.12	15,353.00	7,799.48	19.09	138.96	53.38	1,834.81	4,633.72	6,248.11	6,140.28	107.82	57.947		
3,600.00	3,399.87	15,353.00	7,799.48	20.02	138.96	53.38	1,834.81	4,633.72	6,152.66	6,044.18	108.48	56.716		
3,700.00	3,486.62	15,353.00	7,799.48	20.96	138.96	53.38	1,834.81	4,633.72	6,057.36	5,948.20	109.16	55.489		
3,800.00	3,573.37	15,353.00	7,799.48	21.90	138.96	53.38	1,834.81	4,633.72	5,962.21	5,852.35	109.87	54.268		
3,900.00	3,660.11	15,353.00	7,799.48	22.84	138.96	53.38	1,834.81	4,633.72	5,867.23	5,756.63	110.59	53.052		
4,000.00	3,746.86	15,353.00	7,799.48	23.78	138.96	53.38	1,834.81	4,633.72	5,772.41	5,661.07	111.35	51.841		
4,100.00	3,833.61	15,353.00	7,799.48	24.73	138.96	53.38	1,834.81	4,633.72	5,677.78	5,565.65	112.13	50.637		
4,200.00	3,920.35	15,353.00	7,799.48	25.68	138.96	53.38	1,834.81	4,633.72	5,583.33	5,470.39	112.93	49.439		
4,300.00	4,007.10	15,353.00	7,799.48	26.63	138.96	53.38	1,834.81	4,633.72	5,489.07	5,375.31	113.77	48.249		
4,400.00	4,093.85	15,353.00	7,799.48	27.59	138.96	53.38	1,834.81	4,633.72	5,395.02	5,280.40	114.63	47.065		
4,500.00	4,180.60	15,353.00	7,799.48	28.55	138.96	53.38	1,834.81	4,633.72	5,301.20	5,185.67	115.52	45.890		
4,600.00	4,267.34	15,353.00	7,799.48	29.50	138.96	53.38	1,834.81	4,633.72	5,207.60	5,091.15	116.44	44.722		
4,700.00	4,354.09	15,353.00	7,799.48	30.46	138.96	53.38	1,834.81	4,633.72	5,114.24	4,996.84	117.40	43.563		
4,800.00	4,440.84	15,353.00	7,799.48	31.42	138.96	53.38	1,834.81	4,633.72	5,021.14	4,902.75	118.39	42.413		
4,900.00	4,527.58	15,353.00	7,799.48	32.39	138.96	53.38	1,834.81	4,633.72	4,928.31	4,808.89	119.41	41.272		
5,000.00	4,614.33	15,353.00	7,799.48	33.35	138.96	53.38	1,834.81	4,633.72	4,835.76	4,715.29	120.47	40.141		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,701.08	15,353.00	7,799.48	34.31	138.96	53.38	1,834.81	4,633.72	4,743.52	4,621.95	121.57	39.020		
5,200.00	4,787.82	15,353.00	7,799.48	35.28	138.96	53.38	1,834.81	4,633.72	4,651.60	4,528.89	122.70	37.909		
5,300.00	4,874.57	15,353.00	7,799.48	36.25	138.96	53.38	1,834.81	4,633.72	4,560.01	4,436.13	123.88	36.809		
5,400.00	4,961.32	15,353.00	7,799.48	37.21	138.96	53.38	1,834.81	4,633.72	4,468.79	4,343.69	125.10	35.721		
5,500.00	5,048.07	15,353.00	7,799.48	38.18	138.96	53.38	1,834.81	4,633.72	4,377.95	4,251.59	126.37	34.645		
5,600.00	5,134.81	15,353.00	7,799.48	39.15	138.96	53.38	1,834.81	4,633.72	4,287.52	4,159.85	127.68	33.581		
5,700.00	5,221.56	15,353.00	7,799.48	40.12	138.96	53.38	1,834.81	4,633.72	4,197.53	4,068.49	129.04	32.529		
5,800.00	5,308.31	15,353.00	7,799.48	41.09	138.96	53.38	1,834.81	4,633.72	4,108.00	3,977.55	130.45	31.491		
5,900.00	5,395.05	15,353.00	7,799.48	42.06	138.96	53.38	1,834.81	4,633.72	4,018.96	3,887.04	131.91	30.467		
6,000.00	5,481.80	15,353.00	7,799.48	43.03	138.96	53.38	1,834.81	4,633.72	3,930.44	3,797.02	133.43	29.457		
6,100.00	5,568.55	15,353.00	7,799.48	44.00	138.96	53.38	1,834.81	4,633.72	3,842.49	3,707.49	135.00	28.463		
6,200.00	5,655.30	15,353.00	7,799.48	44.97	138.96	53.38	1,834.81	4,633.72	3,755.15	3,618.52	136.63	27.483		
6,300.00	5,742.04	15,353.00	7,799.48	45.94	138.96	53.38	1,834.81	4,633.72	3,668.45	3,530.12	138.33	26.520		
6,400.00	5,828.79	15,353.00	7,799.48	46.92	138.96	53.38	1,834.81	4,633.72	3,582.44	3,442.36	140.08	25.574		
6,500.00	5,915.54	15,353.00	7,799.48	47.89	138.96	53.38	1,834.81	4,633.72	3,497.18	3,355.28	141.90	24.645		
6,600.00	6,002.28	15,353.00	7,799.48	48.86	138.96	53.38	1,834.81	4,633.72	3,412.72	3,268.93	143.79	23.734		
6,700.00	6,089.03	15,353.00	7,799.48	49.83	138.96	53.38	1,834.81	4,633.72	3,329.12	3,183.37	145.75	22.842		
6,800.00	6,175.78	15,353.00	7,799.48	50.81	138.96	53.38	1,834.81	4,633.72	3,246.45	3,098.68	147.77	21.969		
6,900.00	6,262.53	15,353.00	7,799.48	51.78	138.96	53.38	1,834.81	4,633.72	3,164.78	3,014.91	149.87	21.117		
7,000.00	6,349.27	15,353.00	7,799.48	52.76	138.96	53.38	1,834.81	4,633.72	3,084.18	2,932.15	152.03	20.286		
7,100.00	6,436.02	15,353.00	7,799.48	53.73	138.96	53.38	1,834.81	4,633.72	3,004.76	2,850.49	154.27	19.478		
7,200.00	6,522.77	15,353.00	7,799.48	54.71	138.96	53.38	1,834.81	4,633.72	2,926.60	2,770.02	156.57	18.692		
7,300.00	6,609.51	15,353.00	7,799.48	55.68	138.96	53.38	1,834.81	4,633.72	2,849.80	2,690.85	158.94	17.930		
7,400.00	6,696.26	15,353.00	7,799.48	56.66	138.96	53.38	1,834.81	4,633.72	2,774.48	2,613.10	161.38	17.192		
7,500.00	6,783.01	15,353.00	7,799.48	57.63	138.96	53.38	1,834.81	4,633.72	2,700.76	2,536.89	163.87	16.481		
7,600.00	6,869.76	15,353.44	7,799.47	58.61	138.96	53.40	1,834.36	4,633.73	2,628.78	2,462.35	166.43	15.796		
7,683.49	6,942.18	15,327.23	7,799.71	59.42	138.51	52.67	1,860.58	4,633.29	2,569.99	2,402.18	167.81	15.315		
7,700.00	6,956.57	15,322.27	7,799.76	59.58	138.42	48.55	1,865.53	4,633.21	2,558.45	2,390.36	168.09	15.221		
7,750.00	7,000.85	15,310.05	7,799.87	60.04	138.21	34.99	1,877.75	4,633.01	2,523.25	2,354.29	168.95	14.934		
7,800.00	7,045.94	15,302.10	7,799.94	60.46	138.07	19.98	1,885.70	4,632.88	2,487.94	2,318.09	169.85	14.648		
7,850.00	7,091.49	15,298.48	7,799.97	60.84	138.01	4.05	1,889.32	4,632.82	2,452.83	2,282.06	170.77	14.363		
7,900.00	7,137.15	15,299.21	7,799.96	61.17	138.02	-11.90	1,888.58	4,632.83	2,418.22	2,246.52	171.70	14.084		
7,950.00	7,182.58	15,304.30	7,799.92	61.44	138.11	-26.90	1,883.50	4,632.91	2,384.40	2,211.76	172.64	13.811		
8,000.00	7,227.43	15,313.70	7,799.83	61.67	138.27	-40.21	1,874.10	4,633.07	2,351.63	2,178.05	173.58	13.548		
8,050.00	7,271.36	15,327.35	7,799.71	61.84	138.51	-51.58	1,860.45	4,633.30	2,320.17	2,145.66	174.51	13.295		
8,100.00	7,314.04	15,345.13	7,799.55	61.96	138.82	-61.06	1,842.68	4,633.59	2,290.24	2,114.81	175.43	13.055		
8,150.00	7,355.14	15,353.00	7,799.48	62.04	138.96	-69.21	1,834.81	4,633.72	2,262.07	2,086.18	175.89	12.861		
8,200.00	7,394.34	15,353.00	7,799.48	62.07	138.96	-76.15	1,834.81	4,633.72	2,236.06	2,060.13	175.93	12.710		
8,250.00	7,431.36	15,353.00	7,799.48	62.06	138.96	-81.88	1,834.81	4,633.72	2,212.50	2,036.69	175.81	12.585		
8,300.00	7,465.90	15,353.00	7,799.48	62.01	138.96	-86.59	1,834.81	4,633.72	2,191.65	2,016.13	175.52	12.487		
8,350.00	7,497.71	15,353.00	7,799.48	61.93	138.96	-90.42	1,834.81	4,633.72	2,173.75	1,998.68	175.07	12.417		
8,400.00	7,526.53	15,353.00	7,799.48	61.81	138.96	-93.50	1,834.81	4,633.72	2,159.01	1,984.55	174.46	12.376		
8,450.00	7,552.17	15,353.00	7,799.48	61.66	138.96	-95.90	1,834.81	4,633.72	2,147.61	1,973.90	173.70	12.364 SF		
8,500.00	7,574.41	15,353.00	7,799.48	61.48	138.96	-97.69	1,834.81	4,633.72	2,139.68	1,966.87	172.82	12.381		
8,550.00	7,593.09	15,353.00	7,799.48	61.29	138.96	-98.94	1,834.81	4,633.72	2,135.34	1,963.52	171.82	12.428		
8,584.78	7,603.91	15,353.00	7,799.48	61.14	138.96	-99.50	1,834.81	4,633.72	2,134.45	1,963.39	171.07	12.477 CC, ES		
8,600.00	7,608.07	15,353.00	7,799.48	61.07	138.96	-99.67	1,834.81	4,633.72	2,134.62	1,963.90	170.72	12.503		
8,650.00	7,619.23	15,353.00	7,799.48	60.84	138.96	-99.90	1,834.81	4,633.72	2,137.55	1,967.99	169.56	12.607		
8,700.00	7,626.48	15,353.00	7,799.48	60.60	138.96	-99.66	1,834.81	4,633.72	2,144.08	1,975.74	168.34	12.737		
8,750.00	7,629.78	15,353.00	7,799.48	60.35	138.96	-98.93	1,834.81	4,633.72	2,154.14	1,987.05	167.09	12.892		
8,766.45	7,630.00	15,353.00	7,799.48	60.27	138.96	-98.59	1,834.81	4,633.72	2,158.20	1,991.52	166.68	12.948		
8,800.00	7,630.00	15,353.00	7,799.48	60.10	138.96	-98.59	1,834.81	4,633.72	2,167.09	2,001.24	165.85	13.067		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
8,900.00	7,630.00	15,353.00	7,799.48	59.61	138.96	-98.59	1,834.81	4,633.72	2,196.42	2,032.94	163.49	13.435		
9,000.00	7,630.00	15,353.00	7,799.48	59.15	138.96	-98.59	1,834.81	4,633.72	2,229.86	2,068.52	161.33	13.821		
9,100.00	7,630.00	15,353.00	7,799.48	58.71	138.96	-98.59	1,834.81	4,633.72	2,267.21	2,107.82	159.40	14.224		
9,200.00	7,630.00	15,353.00	7,799.48	58.30	138.96	-98.59	1,834.81	4,633.72	2,308.30	2,150.63	157.67	14.641		
9,300.00	7,630.00	15,353.00	7,799.48	57.91	138.96	-98.59	1,834.81	4,633.72	2,352.92	2,196.80	156.12	15.071		
9,400.00	7,630.00	15,353.00	7,799.48	57.54	138.96	-98.59	1,834.81	4,633.72	2,400.88	2,246.14	154.74	15.516		
9,500.00	7,630.00	15,353.00	7,799.48	57.19	138.96	-98.59	1,834.81	4,633.72	2,451.98	2,298.50	153.48	15.976		
9,600.00	7,630.00	15,353.00	7,799.48	56.87	138.96	-98.59	1,834.81	4,633.72	2,506.03	2,353.71	152.33	16.452		
9,700.00	7,630.00	15,353.00	7,799.48	56.57	138.96	-98.59	1,834.81	4,633.72	2,562.85	2,411.60	151.25	16.945		
9,800.00	7,630.00	15,353.00	7,799.48	56.30	138.96	-98.59	1,834.81	4,633.72	2,622.25	2,472.02	150.23	17.455		
9,900.00	7,630.00	15,353.00	7,799.48	56.05	138.96	-98.59	1,834.81	4,633.72	2,684.06	2,534.81	149.25	17.984		
10,000.00	7,630.00	15,353.00	7,799.48	55.82	138.96	-98.59	1,834.81	4,633.72	2,748.12	2,599.82	148.30	18.530		
10,100.00	7,630.00	15,353.00	7,799.48	55.63	138.96	-98.59	1,834.81	4,633.72	2,814.28	2,666.89	147.38	19.095		
10,200.00	7,630.00	15,353.00	7,799.48	55.46	138.96	-98.59	1,834.81	4,633.72	2,882.39	2,735.90	146.49	19.677		
10,300.00	7,630.00	15,353.00	7,799.48	55.32	138.96	-98.59	1,834.81	4,633.72	2,952.31	2,806.70	145.61	20.276		
10,400.00	7,630.00	15,353.00	7,799.48	55.22	138.96	-98.59	1,834.81	4,633.72	3,023.93	2,879.18	144.74	20.892		
10,500.00	7,630.00	15,353.00	7,799.48	55.15	138.96	-98.59	1,834.81	4,633.72	3,097.11	2,953.22	143.89	21.524		
10,600.00	7,630.00	15,353.00	7,799.48	55.14	138.96	-98.59	1,834.81	4,633.72	3,171.77	3,028.71	143.06	22.171		
10,700.00	7,630.00	15,353.00	7,799.48	55.18	138.96	-98.59	1,834.81	4,633.72	3,247.78	3,105.55	142.24	22.834		
10,800.00	7,630.00	15,353.00	7,799.48	55.28	138.96	-98.59	1,834.81	4,633.72	3,325.07	3,183.64	141.43	23.510		
10,900.00	7,630.00	15,353.00	7,799.48	55.47	138.96	-98.59	1,834.81	4,633.72	3,403.54	3,262.89	140.65	24.199		
11,000.00	7,630.00	15,353.00	7,799.48	55.74	138.96	-98.59	1,834.81	4,633.72	3,483.11	3,343.24	139.87	24.902		
11,100.00	7,630.00	15,353.00	7,799.48	56.11	138.96	-98.59	1,834.81	4,633.72	3,563.71	3,424.59	139.12	25.616		
11,200.00	7,630.00	15,353.00	7,799.48	56.60	138.96	-98.59	1,834.81	4,633.72	3,645.28	3,506.89	138.38	26.342		
11,300.00	7,630.00	15,353.00	7,799.48	57.20	138.96	-98.59	1,834.81	4,633.72	3,727.74	3,590.07	137.66	27.079		
11,400.00	7,630.00	15,353.00	7,799.48	57.91	138.96	-98.59	1,834.81	4,633.72	3,811.04	3,674.08	136.96	27.825		
11,500.00	7,630.00	15,353.00	7,799.48	58.72	138.96	-98.59	1,834.81	4,633.72	3,895.13	3,758.85	136.28	28.582		
11,600.00	7,630.00	15,353.00	7,799.48	59.63	138.96	-98.59	1,834.81	4,633.72	3,979.95	3,844.34	135.61	29.347		
11,700.00	7,630.00	15,353.00	7,799.48	60.61	138.96	-98.59	1,834.81	4,633.72	4,065.46	3,930.50	134.97	30.122		
11,800.00	7,630.00	15,353.00	7,799.48	61.67	138.96	-98.59	1,834.81	4,633.72	4,151.62	4,017.28	134.34	30.904		
11,900.00	7,630.00	15,353.00	7,799.48	62.78	138.96	-98.59	1,834.81	4,633.72	4,238.39	4,104.66	133.73	31.694		
12,000.00	7,630.00	15,353.00	7,799.48	63.95	138.96	-98.59	1,834.81	4,633.72	4,325.73	4,192.60	133.14	32.491		
12,100.00	7,630.00	15,353.00	7,799.48	65.16	138.96	-98.59	1,834.81	4,633.72	4,413.61	4,281.05	132.56	33.295		
12,200.00	7,630.00	15,353.00	7,799.48	66.41	138.96	-98.59	1,834.81	4,633.72	4,501.99	4,369.99	132.00	34.105		
12,300.00	7,630.00	15,353.00	7,799.48	67.68	138.96	-98.59	1,834.81	4,633.72	4,590.85	4,459.39	131.46	34.922		
12,400.00	7,630.00	15,353.00	7,799.48	68.99	138.96	-98.59	1,834.81	4,633.72	4,680.16	4,549.23	130.94	35.744		
12,500.00	7,630.00	15,353.00	7,799.48	70.33	138.96	-98.59	1,834.81	4,633.72	4,769.90	4,639.47	130.43	36.571		
12,600.00	7,630.00	15,353.00	7,799.48	71.68	138.96	-98.59	1,834.81	4,633.72	4,860.03	4,730.10	129.93	37.404		
12,700.00	7,630.00	15,353.00	7,799.48	73.06	138.96	-98.59	1,834.81	4,633.72	4,950.54	4,821.09	129.46	38.241		
12,800.00	7,630.00	15,353.00	7,799.48	74.45	138.96	-98.59	1,834.81	4,633.72	5,041.42	4,912.42	128.99	39.082		
12,900.00	7,630.00	15,353.00	7,799.48	75.87	138.96	-98.59	1,834.81	4,633.72	5,132.63	5,004.08	128.55	39.928		
13,000.00	7,630.00	15,353.00	7,799.48	77.29	138.96	-98.59	1,834.81	4,633.72	5,224.16	5,096.05	128.11	40.778		
13,100.00	7,630.00	15,353.00	7,799.48	78.74	138.96	-98.59	1,834.81	4,633.72	5,316.00	5,188.31	127.69	41.631		
13,200.00	7,630.00	15,353.00	7,799.48	80.19	138.96	-98.59	1,834.81	4,633.72	5,408.13	5,280.84	127.29	42.488		
13,300.00	7,630.00	15,353.00	7,799.48	81.66	138.96	-98.59	1,834.81	4,633.72	5,500.53	5,373.64	126.89	43.347		
13,400.00	7,630.00	15,353.00	7,799.48	83.14	138.96	-98.59	1,834.81	4,633.72	5,593.19	5,466.68	126.51	44.210		
13,500.00	7,630.00	15,353.00	7,799.48	84.63	138.96	-98.59	1,834.81	4,633.72	5,686.11	5,559.96	126.14	45.076		
13,600.00	7,630.00	15,353.00	7,799.48	86.14	138.96	-98.59	1,834.81	4,633.72	5,779.26	5,653.47	125.79	45.945		
13,700.00	7,630.00	15,353.00	7,799.48	87.65	138.96	-98.59	1,834.81	4,633.72	5,872.63	5,747.19	125.44	46.815		
13,800.00	7,630.00	15,353.00	7,799.48	89.17	138.96	-98.59	1,834.81	4,633.72	5,966.22	5,841.11	125.11	47.688		
13,900.00	7,630.00	15,353.00	7,799.48	90.70	138.96	-98.59	1,834.81	4,633.72	6,060.01	5,935.23	124.78	48.564		
14,000.00	7,630.00	15,353.00	7,799.48	92.24	138.96	-98.59	1,834.81	4,633.72	6,154.00	6,029.53	124.47	49.441		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
14,100.00	7,630.00	15,353.00	7,799.48	93.78	138.96	-98.59	1,834.81	4,633.72	6,248.18	6,124.01	124.17	50.320		
14,200.00	7,630.00	15,353.00	7,799.48	95.33	138.96	-98.59	1,834.81	4,633.72	6,342.53	6,218.66	123.88	51.201		
14,300.00	7,630.00	15,353.00	7,799.48	96.89	138.96	-98.59	1,834.81	4,633.72	6,437.06	6,313.47	123.59	52.083		
14,400.00	7,630.00	15,353.00	7,799.48	98.46	138.96	-98.59	1,834.81	4,633.72	6,531.75	6,408.43	123.32	52.967		
14,500.00	7,630.00	15,353.00	7,799.48	100.03	138.96	-98.59	1,834.81	4,633.72	6,626.59	6,503.54	123.05	53.852		
14,600.00	7,630.00	15,353.00	7,799.48	101.61	138.96	-98.59	1,834.81	4,633.72	6,721.59	6,598.79	122.79	54.739		
14,700.00	7,630.00	15,353.00	7,799.48	103.20	138.96	-98.59	1,834.81	4,633.72	6,816.72	6,694.18	122.54	55.626		
14,800.00	7,630.00	15,353.00	7,799.48	104.78	138.96	-98.59	1,834.81	4,633.72	6,912.00	6,789.69	122.30	56.515		
14,900.00	7,630.00	15,353.00	7,799.48	106.38	138.96	-98.59	1,834.81	4,633.72	7,007.40	6,885.33	122.07	57.405		
15,000.00	7,630.00	15,353.00	7,799.48	107.98	138.96	-98.59	1,834.81	4,633.72	7,102.93	6,981.09	121.84	58.295		
15,100.00	7,630.00	15,353.00	7,799.48	109.58	138.96	-98.59	1,834.81	4,633.72	7,198.59	7,076.96	121.63	59.186		
15,200.00	7,630.00	15,353.00	7,799.48	111.19	138.96	-98.59	1,834.81	4,633.72	7,294.36	7,172.94	121.41	60.078		
15,300.00	7,630.00	15,353.00	7,799.48	112.81	138.96	-98.59	1,834.81	4,633.72	7,390.24	7,269.03	121.21	60.970		
15,400.00	7,630.00	15,353.00	7,799.48	114.42	138.96	-98.59	1,834.81	4,633.72	7,486.23	7,365.22	121.01	61.863		
15,500.00	7,630.00	15,353.00	7,799.48	116.05	138.96	-98.59	1,834.81	4,633.72	7,582.32	7,461.50	120.82	62.757		
15,600.00	7,630.00	15,353.00	7,799.48	117.67	138.96	-98.59	1,834.81	4,633.72	7,678.52	7,557.88	120.63	63.651		
15,700.00	7,630.00	15,353.00	7,799.48	119.30	138.96	-98.59	1,834.81	4,633.72	7,774.81	7,654.35	120.46	64.545		
15,800.00	7,630.00	15,353.00	7,799.48	120.93	138.96	-98.59	1,834.81	4,633.72	7,871.19	7,750.91	120.28	65.440		
15,900.00	7,630.00	15,353.00	7,799.48	122.57	138.96	-98.59	1,834.81	4,633.72	7,967.66	7,847.54	120.11	66.334		
16,000.00	7,630.00	15,353.00	7,799.48	124.21	138.96	-98.59	1,834.81	4,633.72	8,064.22	7,944.26	119.95	67.229		
16,100.00	7,630.00	15,353.00	7,799.48	125.85	138.96	-98.59	1,834.81	4,633.72	8,160.86	8,041.06	119.79	68.124		
16,200.00	7,630.00	15,353.00	7,799.48	127.50	138.96	-98.59	1,834.81	4,633.72	8,257.58	8,137.93	119.64	69.020		
16,300.00	7,630.00	15,353.00	7,799.48	129.15	138.96	-98.59	1,834.81	4,633.72	8,354.37	8,234.88	119.49	69.915		
16,400.00	7,630.00	15,353.00	7,799.48	130.80	138.96	-98.59	1,834.81	4,633.72	8,451.24	8,331.89	119.35	70.810		
16,500.00	7,630.00	15,353.00	7,799.48	132.46	138.96	-98.59	1,834.81	4,633.72	8,548.19	8,428.97	119.21	71.705		
16,600.00	7,630.00	15,353.00	7,799.48	134.11	138.96	-98.59	1,834.81	4,633.72	8,645.20	8,526.12	119.08	72.600		
16,700.00	7,630.00	15,353.00	7,799.48	135.77	138.96	-98.59	1,834.81	4,633.72	8,742.28	8,623.33	118.95	73.495		
16,800.00	7,630.00	15,353.00	7,799.48	137.43	138.96	-98.59	1,834.81	4,633.72	8,839.43	8,720.60	118.83	74.389		
16,900.00	7,630.00	15,353.00	7,799.48	139.10	138.96	-98.59	1,834.81	4,633.72	8,936.64	8,817.93	118.71	75.284		
17,000.00	7,630.00	15,353.00	7,799.48	140.77	138.96	-98.59	1,834.81	4,633.72	9,033.91	8,915.32	118.59	76.178		
17,100.00	7,630.00	15,353.00	7,799.48	142.44	138.96	-98.59	1,834.81	4,633.72	9,131.24	9,012.76	118.48	77.072		
17,200.00	7,630.00	15,353.00	7,799.48	144.11	138.96	-98.59	1,834.81	4,633.72	9,228.62	9,110.25	118.37	77.965		
17,300.00	7,630.00	15,353.00	7,799.48	145.78	138.96	-98.59	1,834.81	4,633.72	9,326.06	9,207.80	118.26	78.858		
17,400.00	7,630.00	15,353.00	7,799.48	147.46	138.96	-98.59	1,834.81	4,633.72	9,423.56	9,305.39	118.16	79.751		
17,500.00	7,630.00	15,353.00	7,799.48	149.13	138.96	-98.59	1,834.81	4,633.72	9,521.10	9,403.04	118.06	80.643		
17,600.00	7,630.00	15,353.00	7,799.48	150.81	138.96	-98.59	1,834.81	4,633.72	9,618.70	9,500.73	117.97	81.535		
17,700.00	7,630.00	15,353.00	7,799.48	152.49	138.96	-98.59	1,834.81	4,633.72	9,716.35	9,598.47	117.88	82.427		
17,800.00	7,630.00	15,353.00	7,799.48	154.18	138.96	-98.59	1,834.81	4,633.72	9,814.04	9,696.25	117.79	83.318		
17,900.00	7,630.00	15,353.00	7,799.48	155.86	138.96	-98.59	1,834.81	4,633.72	9,911.78	9,794.07	117.71	84.208		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	69.64	1,844.23	4,969.41	9,439.17					
100.00	100.00	15,243.00	7,668.35	0.13	138.66	69.64	1,844.23	4,969.41	9,356.59	9,265.26	91.33	102.452		
200.00	200.00	15,243.00	7,668.35	0.49	138.66	69.64	1,844.23	4,969.41	9,274.36	9,182.59	91.77	101.058		
300.00	300.00	15,243.00	7,668.35	0.85	138.66	69.64	1,844.23	4,969.41	9,192.48	9,100.22	92.25	99.644		
400.00	400.00	15,243.00	7,668.35	1.21	138.66	69.64	1,844.23	4,969.41	9,110.96	9,018.19	92.77	98.213		
500.00	500.00	15,243.00	7,668.35	1.57	138.66	69.64	1,844.23	4,969.41	9,029.81	8,936.50	93.31	96.769		
600.00	600.00	15,243.00	7,668.35	1.93	138.66	69.64	1,844.23	4,969.41	8,949.05	8,855.16	93.89	95.314		
700.00	700.00	15,243.00	7,668.35	2.29	138.66	69.64	1,844.23	4,969.41	8,868.67	8,774.18	94.50	93.853		
800.00	800.00	15,243.00	7,668.35	2.64	138.66	69.64	1,844.23	4,969.41	8,788.70	8,693.58	95.13	92.390		
900.00	900.00	15,243.00	7,668.35	3.00	138.66	69.64	1,844.23	4,969.41	8,709.15	8,613.36	95.78	90.927		
1,000.00	1,000.00	15,243.00	7,668.35	3.36	138.66	69.64	1,844.23	4,969.41	8,630.01	8,533.56	96.46	89.468		
1,100.00	1,100.00	15,243.00	7,668.35	3.72	138.66	69.64	1,844.23	4,969.41	8,551.32	8,454.16	97.16	88.015		
1,200.00	1,199.98	15,243.00	7,668.35	4.07	138.66	19.42	1,844.23	4,969.41	8,472.06	8,374.18	97.87	86.560		
1,300.00	1,299.84	15,243.00	7,668.35	4.43	138.66	20.35	1,844.23	4,969.41	8,391.24	8,292.65	98.60	85.108		
1,400.00	1,399.45	15,243.00	7,668.35	4.79	138.66	21.38	1,844.23	4,969.41	8,308.94	8,209.63	99.31	83.670		
1,500.00	1,498.70	15,243.00	7,668.35	5.15	138.66	22.53	1,844.23	4,969.41	8,225.19	8,125.19	100.00	82.249		
1,600.00	1,597.47	15,243.00	7,668.35	5.53	138.66	23.81	1,844.23	4,969.41	8,140.07	8,039.38	100.69	80.844		
1,700.00	1,695.62	15,243.00	7,668.35	5.93	138.66	25.23	1,844.23	4,969.41	8,053.63	7,952.27	101.36	79.455		
1,800.00	1,793.06	15,243.00	7,668.35	6.35	138.66	26.83	1,844.23	4,969.41	7,965.94	7,863.92	102.02	78.083		
1,900.00	1,889.64	15,243.00	7,668.35	6.79	138.66	28.64	1,844.23	4,969.41	7,877.06	7,774.40	102.66	76.728		
2,000.00	1,985.27	15,243.00	7,668.35	7.27	138.66	30.68	1,844.23	4,969.41	7,787.07	7,683.78	103.29	75.390		
2,100.00	2,079.82	15,243.00	7,668.35	7.79	138.66	33.00	1,844.23	4,969.41	7,696.04	7,592.13	103.90	74.068		
2,200.00	2,173.17	15,243.00	7,668.35	8.36	138.66	35.65	1,844.23	4,969.41	7,604.03	7,499.53	104.50	72.764		
2,300.00	2,265.21	15,243.00	7,668.35	8.97	138.66	38.68	1,844.23	4,969.41	7,511.14	7,406.06	105.09	71.477		
2,400.00	2,355.84	15,243.00	7,668.35	9.64	138.66	42.16	1,844.23	4,969.41	7,417.44	7,311.79	105.65	70.206		
2,500.00	2,444.94	15,243.00	7,668.35	10.36	138.66	46.15	1,844.23	4,969.41	7,323.02	7,216.81	106.20	68.953		
2,591.69	2,525.19	15,243.00	7,668.35	11.07	138.66	50.33	1,844.23	4,969.41	7,235.88	7,129.19	106.69	67.819		
2,600.00	2,532.40	15,243.00	7,668.35	11.14	138.66	50.33	1,844.23	4,969.41	7,227.96	7,121.22	106.74	67.715		
2,700.00	2,619.15	15,243.00	7,668.35	11.96	138.66	50.33	1,844.23	4,969.41	7,132.74	7,025.47	107.28	66.490		
2,800.00	2,705.89	15,243.00	7,668.35	12.81	138.66	50.33	1,844.23	4,969.41	7,037.66	6,929.83	107.83	65.266		
2,900.00	2,792.64	15,243.00	7,668.35	13.67	138.66	50.33	1,844.23	4,969.41	6,942.70	6,834.30	108.41	64.044		
3,000.00	2,879.39	15,243.00	7,668.35	14.55	138.66	50.33	1,844.23	4,969.41	6,847.90	6,738.90	109.00	62.824		
3,100.00	2,966.14	15,243.00	7,668.35	15.44	138.66	50.33	1,844.23	4,969.41	6,753.24	6,643.62	109.62	61.607		
3,200.00	3,052.88	15,243.00	7,668.35	16.34	138.66	50.33	1,844.23	4,969.41	6,658.74	6,548.48	110.26	60.393		
3,300.00	3,139.63	15,243.00	7,668.35	17.25	138.66	50.33	1,844.23	4,969.41	6,564.40	6,453.48	110.92	59.182		
3,400.00	3,226.38	15,243.00	7,668.35	18.17	138.66	50.33	1,844.23	4,969.41	6,470.24	6,358.63	111.60	57.976		
3,500.00	3,313.12	15,243.00	7,668.35	19.09	138.66	50.33	1,844.23	4,969.41	6,376.25	6,263.94	112.31	56.775		
3,600.00	3,399.87	15,243.00	7,668.35	20.02	138.66	50.33	1,844.23	4,969.41	6,282.44	6,169.40	113.04	55.579		
3,700.00	3,486.62	15,243.00	7,668.35	20.96	138.66	50.33	1,844.23	4,969.41	6,188.83	6,075.04	113.79	54.388		
3,800.00	3,573.37	15,243.00	7,668.35	21.90	138.66	50.33	1,844.23	4,969.41	6,095.42	5,980.86	114.57	53.204		
3,900.00	3,660.11	15,243.00	7,668.35	22.84	138.66	50.33	1,844.23	4,969.41	6,002.23	5,886.86	115.37	52.026		
4,000.00	3,746.86	15,243.00	7,668.35	23.78	138.66	50.33	1,844.23	4,969.41	5,909.26	5,793.06	116.20	50.854		
4,100.00	3,833.61	15,243.00	7,668.35	24.73	138.66	50.33	1,844.23	4,969.41	5,816.52	5,699.46	117.05	49.691		
4,200.00	3,920.35	15,243.00	7,668.35	25.68	138.66	50.33	1,844.23	4,969.41	5,724.02	5,606.08	117.94	48.534		
4,300.00	4,007.10	15,243.00	7,668.35	26.63	138.66	50.33	1,844.23	4,969.41	5,631.78	5,512.93	118.85	47.386		
4,400.00	4,093.85	15,243.00	7,668.35	27.59	138.66	50.33	1,844.23	4,969.41	5,539.81	5,420.03	119.79	46.247		
4,500.00	4,180.60	15,243.00	7,668.35	28.55	138.66	50.33	1,844.23	4,969.41	5,448.13	5,327.37	120.76	45.116		
4,600.00	4,267.34	15,243.00	7,668.35	29.50	138.66	50.33	1,844.23	4,969.41	5,356.74	5,234.98	121.76	43.995		
4,700.00	4,354.09	15,243.00	7,668.35	30.46	138.66	50.33	1,844.23	4,969.41	5,265.66	5,142.87	122.79	42.883		
4,800.00	4,440.84	15,243.00	7,668.35	31.42	138.66	50.33	1,844.23	4,969.41	5,174.92	5,051.06	123.86	41.781		
4,900.00	4,527.58	15,243.00	7,668.35	32.39	138.66	50.33	1,844.23	4,969.41	5,084.52	4,959.56	124.96	40.690		
5,000.00	4,614.33	15,243.00	7,668.35	33.35	138.66	50.33	1,844.23	4,969.41	4,994.49	4,868.39	126.09	39.610		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,701.08	15,243.00	7,668.35	34.31	138.66	50.33	1,844.23	4,969.41	4,904.84	4,777.58	127.26	38.541		
5,200.00	4,787.82	15,243.00	7,668.35	35.28	138.66	50.33	1,844.23	4,969.41	4,815.60	4,687.13	128.47	37.484		
5,300.00	4,874.57	15,243.00	7,668.35	36.25	138.66	50.33	1,844.23	4,969.41	4,726.79	4,597.07	129.72	36.438		
5,400.00	4,961.32	15,243.00	7,668.35	37.21	138.66	50.33	1,844.23	4,969.41	4,638.44	4,507.43	131.01	35.406		
5,500.00	5,048.07	15,243.00	7,668.35	38.18	138.66	50.33	1,844.23	4,969.41	4,550.57	4,418.23	132.34	34.386		
5,600.00	5,134.81	15,243.00	7,668.35	39.15	138.66	50.33	1,844.23	4,969.41	4,463.21	4,329.50	133.71	33.380		
5,700.00	5,221.56	15,243.00	7,668.35	40.12	138.66	50.33	1,844.23	4,969.41	4,376.39	4,241.27	135.12	32.388		
5,800.00	5,308.31	15,243.00	7,668.35	41.09	138.66	50.33	1,844.23	4,969.41	4,290.15	4,153.56	136.59	31.410		
5,900.00	5,395.05	15,243.00	7,668.35	42.06	138.66	50.33	1,844.23	4,969.41	4,204.51	4,066.42	138.09	30.447		
6,000.00	5,481.80	15,243.00	7,668.35	43.03	138.66	50.33	1,844.23	4,969.41	4,119.52	3,979.88	139.65	29.500		
6,100.00	5,568.55	15,243.00	7,668.35	44.00	138.66	50.33	1,844.23	4,969.41	4,035.22	3,893.98	141.25	28.568		
6,200.00	5,655.30	15,243.00	7,668.35	44.97	138.66	50.33	1,844.23	4,969.41	3,951.66	3,808.76	142.90	27.653		
6,300.00	5,742.04	15,243.00	7,668.35	45.94	138.66	50.33	1,844.23	4,969.41	3,868.87	3,724.27	144.60	26.755		
6,400.00	5,828.79	15,243.00	7,668.35	46.92	138.66	50.33	1,844.23	4,969.41	3,786.91	3,640.56	146.36	25.875		
6,500.00	5,915.54	15,243.00	7,668.35	47.89	138.66	50.33	1,844.23	4,969.41	3,705.84	3,557.68	148.16	25.012		
6,600.00	6,002.28	15,243.00	7,668.35	48.86	138.66	50.33	1,844.23	4,969.41	3,625.72	3,475.70	150.02	24.169		
6,700.00	6,089.03	15,243.00	7,668.35	49.83	138.66	50.33	1,844.23	4,969.41	3,546.60	3,394.68	151.92	23.345		
6,800.00	6,175.78	15,243.00	7,668.35	50.81	138.66	50.33	1,844.23	4,969.41	3,468.57	3,314.69	153.88	22.541		
6,900.00	6,262.53	15,243.00	7,668.35	51.78	138.66	50.33	1,844.23	4,969.41	3,391.68	3,235.80	155.88	21.758		
7,000.00	6,349.27	15,243.00	7,668.35	52.76	138.66	50.33	1,844.23	4,969.41	3,316.03	3,158.10	157.94	20.996		
7,100.00	6,436.02	15,243.00	7,668.35	53.73	138.66	50.33	1,844.23	4,969.41	3,241.70	3,081.67	160.03	20.257		
7,200.00	6,522.77	15,243.00	7,668.35	54.71	138.66	50.33	1,844.23	4,969.41	3,168.78	3,006.62	162.17	19.540		
7,300.00	6,609.51	15,243.00	7,668.35	55.68	138.66	50.33	1,844.23	4,969.41	3,097.38	2,933.04	164.34	18.847		
7,400.00	6,696.26	15,243.00	7,668.35	56.66	138.66	50.33	1,844.23	4,969.41	3,027.59	2,861.05	166.54	18.179		
7,500.00	6,783.01	15,243.83	7,668.36	57.63	138.67	50.35	1,843.41	4,969.43	2,959.54	2,790.75	168.79	17.534		
7,600.00	6,869.76	15,214.11	7,668.13	58.61	138.16	49.64	1,873.11	4,968.76	2,893.20	2,722.96	170.24	16.995		
7,683.49	6,942.18	15,189.30	7,667.94	59.42	137.72	49.04	1,897.92	4,968.20	2,839.08	2,667.64	171.44	16.560		
7,700.00	6,956.57	15,191.38	7,667.90	59.58	137.76	45.14	1,902.59	4,968.10	2,828.48	2,656.69	171.79	16.465		
7,750.00	7,000.85	15,188.00	7,667.93	60.04	137.70	32.72	1,899.22	4,968.17	2,796.29	2,623.47	172.82	16.180		
7,800.00	7,045.94	15,173.58	7,667.84	60.46	137.45	18.33	1,913.63	4,967.86	2,764.08	2,590.69	173.39	15.942		
7,850.00	7,091.49	15,171.65	7,667.83	60.84	137.42	3.26	1,915.57	4,967.82	2,732.20	2,558.02	174.18	15.686		
7,900.00	7,137.15	15,172.61	7,667.83	61.17	137.43	-11.91	1,914.61	4,967.84	2,700.90	2,525.95	174.95	15.439		
7,950.00	7,182.58	15,176.52	7,667.85	61.44	137.50	-26.22	1,910.69	4,967.93	2,670.42	2,494.76	175.67	15.202		
8,000.00	7,227.43	15,188.00	7,667.93	61.67	137.70	-38.86	1,899.22	4,968.17	2,641.03	2,464.56	176.47	14.966		
8,050.00	7,271.36	15,195.81	7,667.99	61.84	137.84	-49.83	1,891.41	4,968.35	2,612.93	2,435.89	177.04	14.759		
8,100.00	7,314.04	15,214.42	7,668.13	61.96	138.16	-58.83	1,872.81	4,968.77	2,586.32	2,408.52	177.79	14.547		
8,150.00	7,355.14	15,236.99	7,668.31	62.04	138.55	-66.24	1,850.24	4,969.28	2,561.35	2,382.82	178.53	14.347		
8,200.00	7,394.34	15,243.00	7,668.35	62.07	138.66	-72.71	1,844.23	4,969.41	2,538.24	2,359.58	178.66	14.207		
8,250.00	7,431.36	15,243.00	7,668.35	62.06	138.66	-78.17	1,844.23	4,969.41	2,517.36	2,338.88	178.48	14.104		
8,300.00	7,465.90	15,243.00	7,668.35	62.01	138.66	-82.66	1,844.23	4,969.41	2,498.94	2,320.78	178.17	14.026		
8,350.00	7,497.71	15,243.00	7,668.35	61.93	138.66	-86.33	1,844.23	4,969.41	2,483.18	2,305.45	177.72	13.972		
8,400.00	7,526.53	15,243.00	7,668.35	61.81	138.66	-89.28	1,844.23	4,969.41	2,470.23	2,293.07	177.16	13.943		
8,450.00	7,552.17	15,243.00	7,668.35	61.66	138.66	-91.59	1,844.23	4,969.41	2,460.26	2,283.77	176.49	13.940 SF		
8,500.00	7,574.41	15,243.00	7,668.35	61.48	138.66	-93.32	1,844.23	4,969.41	2,453.37	2,277.64	175.73	13.961		
8,550.00	7,593.09	15,243.00	7,668.35	61.29	138.66	-94.53	1,844.23	4,969.41	2,449.64	2,274.75	174.88	14.007		
8,583.25	7,603.47	15,243.00	7,668.35	61.14	138.66	-95.06	1,844.23	4,969.41	2,448.93	2,274.64	174.29	14.051 CC, ES		
8,600.00	7,608.07	15,243.00	7,668.35	61.07	138.66	-95.25	1,844.23	4,969.41	2,449.11	2,275.14	173.97	14.078		
8,650.00	7,619.23	15,243.00	7,668.35	60.84	138.66	-95.49	1,844.23	4,969.41	2,451.79	2,278.77	173.02	14.171		
8,700.00	7,626.48	15,243.00	7,668.35	60.60	138.66	-95.28	1,844.23	4,969.41	2,457.64	2,285.62	172.03	14.286		
8,750.00	7,629.78	15,243.00	7,668.35	60.35	138.66	-94.62	1,844.23	4,969.41	2,466.61	2,295.59	171.02	14.423		
8,766.45	7,630.00	15,243.00	7,668.35	60.27	138.66	-94.30	1,844.23	4,969.41	2,470.22	2,299.54	170.69	14.472		
8,800.00	7,630.00	15,243.00	7,668.35	60.10	138.66	-94.30	1,844.23	4,969.41	2,478.14	2,308.12	170.02	14.576		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
8,900.00	7,630.00	15,243.00	7,668.35	59.61	138.66	-94.30	1,844.23	4,969.41	2,504.25	2,336.14	168.12	14.896		
9,000.00	7,630.00	15,243.00	7,668.35	59.15	138.66	-94.30	1,844.23	4,969.41	2,534.04	2,367.67	166.38	15.231		
9,100.00	7,630.00	15,243.00	7,668.35	58.71	138.66	-94.30	1,844.23	4,969.41	2,567.39	2,402.58	164.81	15.578		
9,200.00	7,630.00	15,243.00	7,668.35	58.30	138.66	-94.30	1,844.23	4,969.41	2,604.15	2,440.73	163.42	15.936		
9,300.00	7,630.00	15,243.00	7,668.35	57.91	138.66	-94.30	1,844.23	4,969.41	2,644.18	2,482.00	162.18	16.304		
9,400.00	7,630.00	15,243.00	7,668.35	57.54	138.66	-94.30	1,844.23	4,969.41	2,687.34	2,526.25	161.09	16.682		
9,500.00	7,630.00	15,243.00	7,668.35	57.19	138.66	-94.30	1,844.23	4,969.41	2,733.48	2,573.36	160.12	17.072		
9,600.00	7,630.00	15,243.00	7,668.35	56.87	138.66	-94.30	1,844.23	4,969.41	2,782.44	2,623.20	159.24	17.473		
9,700.00	7,630.00	15,243.00	7,668.35	56.57	138.66	-94.30	1,844.23	4,969.41	2,834.09	2,675.65	158.44	17.887		
9,800.00	7,630.00	15,243.00	7,668.35	56.30	138.66	-94.30	1,844.23	4,969.41	2,888.28	2,730.59	157.70	18.315		
9,900.00	7,630.00	15,243.00	7,668.35	56.05	138.66	-94.30	1,844.23	4,969.41	2,944.88	2,787.88	157.00	18.757		
10,000.00	7,630.00	15,243.00	7,668.35	55.82	138.66	-94.30	1,844.23	4,969.41	3,003.73	2,847.41	156.32	19.215		
10,100.00	7,630.00	15,243.00	7,668.35	55.63	138.66	-94.30	1,844.23	4,969.41	3,064.72	2,909.05	155.67	19.687		
10,200.00	7,630.00	15,243.00	7,668.35	55.46	138.66	-94.30	1,844.23	4,969.41	3,127.71	2,972.69	155.03	20.175		
10,300.00	7,630.00	15,243.00	7,668.35	55.32	138.66	-94.30	1,844.23	4,969.41	3,192.60	3,038.21	154.39	20.678		
10,400.00	7,630.00	15,243.00	7,668.35	55.22	138.66	-94.30	1,844.23	4,969.41	3,259.26	3,105.50	153.76	21.197		
10,500.00	7,630.00	15,243.00	7,668.35	55.15	138.66	-94.30	1,844.23	4,969.41	3,327.60	3,174.46	153.14	21.730		
10,600.00	7,630.00	15,243.00	7,668.35	55.14	138.66	-94.30	1,844.23	4,969.41	3,397.50	3,244.99	152.51	22.277		
10,700.00	7,630.00	15,243.00	7,668.35	55.18	138.66	-94.30	1,844.23	4,969.41	3,468.88	3,316.99	151.89	22.838		
10,800.00	7,630.00	15,243.00	7,668.35	55.28	138.66	-94.30	1,844.23	4,969.41	3,541.64	3,390.37	151.27	23.413		
10,900.00	7,630.00	15,243.00	7,668.35	55.47	138.66	-94.30	1,844.23	4,969.41	3,615.70	3,465.05	150.65	24.001		
11,000.00	7,630.00	15,243.00	7,668.35	55.74	138.66	-94.30	1,844.23	4,969.41	3,690.99	3,540.95	150.03	24.601		
11,100.00	7,630.00	15,243.00	7,668.35	56.11	138.66	-94.30	1,844.23	4,969.41	3,767.43	3,618.00	149.42	25.213		
11,200.00	7,630.00	15,243.00	7,668.35	56.60	138.66	-94.30	1,844.23	4,969.41	3,844.95	3,696.13	148.82	25.837		
11,300.00	7,630.00	15,243.00	7,668.35	57.20	138.66	-94.30	1,844.23	4,969.41	3,923.48	3,775.26	148.22	26.471		
11,400.00	7,630.00	15,243.00	7,668.35	57.91	138.66	-94.30	1,844.23	4,969.41	4,002.97	3,855.35	147.62	27.116		
11,500.00	7,630.00	15,243.00	7,668.35	58.72	138.66	-94.30	1,844.23	4,969.41	4,083.37	3,936.33	147.04	27.771		
11,600.00	7,630.00	15,243.00	7,668.35	59.63	138.66	-94.30	1,844.23	4,969.41	4,164.61	4,018.16	146.46	28.436		
11,700.00	7,630.00	15,243.00	7,668.35	60.61	138.66	-94.30	1,844.23	4,969.41	4,246.66	4,100.77	145.89	29.109		
11,800.00	7,630.00	15,243.00	7,668.35	61.67	138.66	-94.30	1,844.23	4,969.41	4,329.46	4,184.13	145.33	29.791		
11,900.00	7,630.00	15,243.00	7,668.35	62.78	138.66	-94.30	1,844.23	4,969.41	4,412.97	4,268.20	144.77	30.482		
12,000.00	7,630.00	15,243.00	7,668.35	63.95	138.66	-94.30	1,844.23	4,969.41	4,497.16	4,352.92	144.23	31.180		
12,100.00	7,630.00	15,243.00	7,668.35	65.16	138.66	-94.30	1,844.23	4,969.41	4,581.98	4,438.28	143.70	31.886		
12,200.00	7,630.00	15,243.00	7,668.35	66.41	138.66	-94.30	1,844.23	4,969.41	4,667.40	4,524.22	143.18	32.598		
12,300.00	7,630.00	15,243.00	7,668.35	67.68	138.66	-94.30	1,844.23	4,969.41	4,753.39	4,610.72	142.67	33.318		
12,400.00	7,630.00	15,243.00	7,668.35	68.99	138.66	-94.30	1,844.23	4,969.41	4,839.92	4,697.75	142.17	34.043		
12,500.00	7,630.00	15,243.00	7,668.35	70.33	138.66	-94.30	1,844.23	4,969.41	4,926.96	4,785.28	141.68	34.775		
12,600.00	7,630.00	15,243.00	7,668.35	71.68	138.66	-94.30	1,844.23	4,969.41	5,014.48	4,873.28	141.20	35.513		
12,700.00	7,630.00	15,243.00	7,668.35	73.06	138.66	-94.30	1,844.23	4,969.41	5,102.46	4,961.73	140.74	36.256		
12,800.00	7,630.00	15,243.00	7,668.35	74.45	138.66	-94.30	1,844.23	4,969.41	5,190.88	5,050.60	140.28	37.004		
12,900.00	7,630.00	15,243.00	7,668.35	75.87	138.66	-94.30	1,844.23	4,969.41	5,279.71	5,139.87	139.83	37.757		
13,000.00	7,630.00	15,243.00	7,668.35	77.29	138.66	-94.30	1,844.23	4,969.41	5,368.93	5,229.53	139.40	38.515		
13,100.00	7,630.00	15,243.00	7,668.35	78.74	138.66	-94.30	1,844.23	4,969.41	5,458.53	5,319.55	138.97	39.277		
13,200.00	7,630.00	15,243.00	7,668.35	80.19	138.66	-94.30	1,844.23	4,969.41	5,548.48	5,409.92	138.56	40.044		
13,300.00	7,630.00	15,243.00	7,668.35	81.66	138.66	-94.30	1,844.23	4,969.41	5,638.77	5,500.61	138.16	40.815		
13,400.00	7,630.00	15,243.00	7,668.35	83.14	138.66	-94.30	1,844.23	4,969.41	5,729.38	5,591.62	137.76	41.589		
13,500.00	7,630.00	15,243.00	7,668.35	84.63	138.66	-94.30	1,844.23	4,969.41	5,820.30	5,682.92	137.38	42.367		
13,600.00	7,630.00	15,243.00	7,668.35	86.14	138.66	-94.30	1,844.23	4,969.41	5,911.52	5,774.51	137.00	43.148		
13,700.00	7,630.00	15,243.00	7,668.35	87.65	138.66	-94.30	1,844.23	4,969.41	6,003.01	5,866.37	136.64	43.933		
13,800.00	7,630.00	15,243.00	7,668.35	89.17	138.66	-94.30	1,844.23	4,969.41	6,094.77	5,958.49	136.28	44.721		
13,900.00	7,630.00	15,243.00	7,668.35	90.70	138.66	-94.30	1,844.23	4,969.41	6,186.79	6,050.85	135.94	45.512		
14,000.00	7,630.00	15,243.00	7,668.35	92.24	138.66	-94.30	1,844.23	4,969.41	6,279.05	6,143.45	135.60	46.305		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
14,100.00	7,630.00	15,243.00	7,668.35	93.78	138.66	-94.30	1,844.23	4,969.41	6,371.54	6,236.27	135.27	47.101		
14,200.00	7,630.00	15,243.00	7,668.35	95.33	138.66	-94.30	1,844.23	4,969.41	6,464.26	6,329.30	134.95	47.900		
14,300.00	7,630.00	15,243.00	7,668.35	96.89	138.66	-94.30	1,844.23	4,969.41	6,557.19	6,422.55	134.64	48.701		
14,400.00	7,630.00	15,243.00	7,668.35	98.46	138.66	-94.30	1,844.23	4,969.41	6,650.33	6,515.99	134.34	49.504		
14,500.00	7,630.00	15,243.00	7,668.35	100.03	138.66	-94.30	1,844.23	4,969.41	6,743.66	6,609.62	134.04	50.309		
14,600.00	7,630.00	15,243.00	7,668.35	101.61	138.66	-94.30	1,844.23	4,969.41	6,837.18	6,703.42	133.76	51.117		
14,700.00	7,630.00	15,243.00	7,668.35	103.20	138.66	-94.30	1,844.23	4,969.41	6,930.88	6,797.41	133.48	51.926		
14,800.00	7,630.00	15,243.00	7,668.35	104.78	138.66	-94.30	1,844.23	4,969.41	7,024.76	6,891.55	133.20	52.737		
14,900.00	7,630.00	15,243.00	7,668.35	106.38	138.66	-94.30	1,844.23	4,969.41	7,118.80	6,985.86	132.94	53.549		
15,000.00	7,630.00	15,243.00	7,668.35	107.98	138.66	-94.30	1,844.23	4,969.41	7,213.00	7,080.32	132.68	54.364		
15,100.00	7,630.00	15,243.00	7,668.35	109.58	138.66	-94.30	1,844.23	4,969.41	7,307.36	7,174.93	132.43	55.179		
15,200.00	7,630.00	15,243.00	7,668.35	111.19	138.66	-94.30	1,844.23	4,969.41	7,401.87	7,269.68	132.18	55.996		
15,300.00	7,630.00	15,243.00	7,668.35	112.81	138.66	-94.30	1,844.23	4,969.41	7,496.52	7,364.57	131.95	56.815		
15,400.00	7,630.00	15,243.00	7,668.35	114.42	138.66	-94.30	1,844.23	4,969.41	7,591.30	7,459.59	131.71	57.634		
15,500.00	7,630.00	15,243.00	7,668.35	116.05	138.66	-94.30	1,844.23	4,969.41	7,686.22	7,554.73	131.49	58.455		
15,600.00	7,630.00	15,243.00	7,668.35	117.67	138.66	-94.30	1,844.23	4,969.41	7,781.26	7,649.99	131.27	59.277		
15,700.00	7,630.00	15,243.00	7,668.35	119.30	138.66	-94.30	1,844.23	4,969.41	7,876.43	7,745.37	131.06	60.100		
15,800.00	7,630.00	15,243.00	7,668.35	120.93	138.66	-94.30	1,844.23	4,969.41	7,971.72	7,840.87	130.85	60.924		
15,900.00	7,630.00	15,243.00	7,668.35	122.57	138.66	-94.30	1,844.23	4,969.41	8,067.12	7,936.47	130.64	61.749		
16,000.00	7,630.00	15,243.00	7,668.35	124.21	138.66	-94.30	1,844.23	4,969.41	8,162.63	8,032.18	130.45	62.574		
16,100.00	7,630.00	15,243.00	7,668.35	125.85	138.66	-94.30	1,844.23	4,969.41	8,258.24	8,127.99	130.26	63.400		
16,200.00	7,630.00	15,243.00	7,668.35	127.50	138.66	-94.30	1,844.23	4,969.41	8,353.96	8,223.89	130.07	64.227		
16,300.00	7,630.00	15,243.00	7,668.35	129.15	138.66	-94.30	1,844.23	4,969.41	8,449.78	8,319.89	129.89	65.055		
16,400.00	7,630.00	15,243.00	7,668.35	130.80	138.66	-94.30	1,844.23	4,969.41	8,545.69	8,415.98	129.71	65.883		
16,500.00	7,630.00	15,243.00	7,668.35	132.46	138.66	-94.30	1,844.23	4,969.41	8,641.70	8,512.16	129.54	66.712		
16,600.00	7,630.00	15,243.00	7,668.35	134.11	138.66	-94.30	1,844.23	4,969.41	8,737.79	8,608.42	129.37	67.541		
16,700.00	7,630.00	15,243.00	7,668.35	135.77	138.66	-94.30	1,844.23	4,969.41	8,833.98	8,704.77	129.21	68.370		
16,800.00	7,630.00	15,243.00	7,668.35	137.43	138.66	-94.30	1,844.23	4,969.41	8,930.24	8,801.20	129.05	69.200		
16,900.00	7,630.00	15,243.00	7,668.35	139.10	138.66	-94.30	1,844.23	4,969.41	9,026.59	8,897.70	128.89	70.031		
17,000.00	7,630.00	15,243.00	7,668.35	140.77	138.66	-94.30	1,844.23	4,969.41	9,123.02	8,994.27	128.74	70.862		
17,100.00	7,630.00	15,243.00	7,668.35	142.44	138.66	-94.30	1,844.23	4,969.41	9,219.52	9,090.92	128.60	71.692		
17,200.00	7,630.00	15,243.00	7,668.35	144.11	138.66	-94.30	1,844.23	4,969.41	9,316.10	9,187.64	128.46	72.524		
17,300.00	7,630.00	15,243.00	7,668.35	145.78	138.66	-94.30	1,844.23	4,969.41	9,412.74	9,284.43	128.32	73.355		
17,400.00	7,630.00	15,243.00	7,668.35	147.46	138.66	-94.30	1,844.23	4,969.41	9,509.46	9,381.28	128.18	74.186		
17,500.00	7,630.00	15,243.00	7,668.35	149.13	138.66	-94.30	1,844.23	4,969.41	9,606.25	9,478.19	128.05	75.018		
17,600.00	7,630.00	15,243.00	7,668.35	150.81	138.66	-94.30	1,844.23	4,969.41	9,703.10	9,575.17	127.93	75.850		
17,700.00	7,630.00	15,243.00	7,668.35	152.49	138.66	-94.30	1,844.23	4,969.41	9,800.01	9,672.21	127.80	76.681		
17,800.00	7,630.00	15,243.00	7,668.35	154.18	138.66	-94.30	1,844.23	4,969.41	9,896.98	9,769.30	127.68	77.513		
17,900.00	7,630.00	15,243.00	7,668.35	155.86	138.66	-94.30	1,844.23	4,969.41	9,994.02	9,866.45	127.56	78.345		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	65.82	1,823.69	4,061.15	8,901.73					
100.00	100.00	15,134.00	7,566.57	0.13	139.08	65.82	1,823.69	4,061.15	8,815.28	8,729.37	85.91	102.615		
200.00	200.00	15,134.00	7,566.57	0.49	139.08	65.82	1,823.69	4,061.15	8,729.11	8,642.83	86.28	101.167		
300.00	300.00	15,134.00	7,566.57	0.85	139.08	65.82	1,823.69	4,061.15	8,643.25	8,556.56	86.69	99.702		
400.00	400.00	15,134.00	7,566.57	1.21	139.08	65.82	1,823.69	4,061.15	8,557.69	8,470.56	87.13	98.221		
500.00	500.00	15,134.00	7,566.57	1.57	139.08	65.82	1,823.69	4,061.15	8,472.44	8,384.85	87.59	96.727		
600.00	600.00	15,134.00	7,566.57	1.93	139.08	65.82	1,823.69	4,061.15	8,387.53	8,299.44	88.08	95.222		
700.00	700.00	15,134.00	7,566.57	2.29	139.08	65.82	1,823.69	4,061.15	8,302.94	8,214.34	88.60	93.710		
800.00	800.00	15,134.00	7,566.57	2.64	139.08	65.82	1,823.69	4,061.15	8,218.71	8,129.56	89.15	92.194		
900.00	900.00	15,134.00	7,566.57	3.00	139.08	65.82	1,823.69	4,061.15	8,134.83	8,045.11	89.71	90.675		
1,000.00	1,000.00	15,134.00	7,566.57	3.36	139.08	65.82	1,823.69	4,061.15	8,051.32	7,961.01	90.30	89.158		
1,100.00	1,100.00	15,134.00	7,566.57	3.72	139.08	65.82	1,823.69	4,061.15	7,968.19	7,877.27	90.92	87.644		
1,200.00	1,199.98	15,134.00	7,566.57	4.07	139.08	15.55	1,823.69	4,061.15	7,884.51	7,792.96	91.55	86.125		
1,300.00	1,299.84	15,134.00	7,566.57	4.43	139.08	16.44	1,823.69	4,061.15	7,799.40	7,707.22	92.18	84.608		
1,400.00	1,399.45	15,134.00	7,566.57	4.79	139.08	17.45	1,823.69	4,061.15	7,712.90	7,620.10	92.81	83.106		
1,500.00	1,498.70	15,134.00	7,566.57	5.15	139.08	18.58	1,823.69	4,061.15	7,625.09	7,531.67	93.42	81.621		
1,600.00	1,597.47	15,134.00	7,566.57	5.53	139.08	19.87	1,823.69	4,061.15	7,536.02	7,442.00	94.02	80.152		
1,700.00	1,695.62	15,134.00	7,566.57	5.93	139.08	21.35	1,823.69	4,061.15	7,445.75	7,351.14	94.61	78.701		
1,800.00	1,793.06	15,134.00	7,566.57	6.35	139.08	23.05	1,823.69	4,061.15	7,354.36	7,259.18	95.18	77.269		
1,900.00	1,889.64	15,134.00	7,566.57	6.79	139.08	25.02	1,823.69	4,061.15	7,261.92	7,166.19	95.73	75.855		
2,000.00	1,985.27	15,134.00	7,566.57	7.27	139.08	27.34	1,823.69	4,061.15	7,168.50	7,072.22	96.27	74.460		
2,100.00	2,079.82	15,134.00	7,566.57	7.79	139.08	30.06	1,823.69	4,061.15	7,074.17	6,977.38	96.80	73.084		
2,200.00	2,173.17	15,134.00	7,566.57	8.36	139.08	33.31	1,823.69	4,061.15	6,979.03	6,881.73	97.30	71.728		
2,300.00	2,265.21	15,134.00	7,566.57	8.97	139.08	37.21	1,823.69	4,061.15	6,883.15	6,785.36	97.78	70.391		
2,400.00	2,355.84	15,134.00	7,566.57	9.64	139.08	41.92	1,823.69	4,061.15	6,786.62	6,688.37	98.25	69.076		
2,500.00	2,444.94	15,134.00	7,566.57	10.36	139.08	47.63	1,823.69	4,061.15	6,689.53	6,590.83	98.69	67.780		
2,591.69	2,525.19	15,134.00	7,566.57	11.07	139.08	53.90	1,823.69	4,061.15	6,600.10	6,501.01	99.08	66.611		
2,600.00	2,532.40	15,134.00	7,566.57	11.14	139.08	53.90	1,823.69	4,061.15	6,591.98	6,492.86	99.12	66.505		
2,700.00	2,619.15	15,134.00	7,566.57	11.96	139.08	53.90	1,823.69	4,061.15	6,494.31	6,394.77	99.54	65.243		
2,800.00	2,705.89	15,134.00	7,566.57	12.81	139.08	53.90	1,823.69	4,061.15	6,396.70	6,296.72	99.98	63.981		
2,900.00	2,792.64	15,134.00	7,566.57	13.67	139.08	53.90	1,823.69	4,061.15	6,299.18	6,198.74	100.43	62.720		
3,000.00	2,879.39	15,134.00	7,566.57	14.55	139.08	53.90	1,823.69	4,061.15	6,201.73	6,100.82	100.91	61.460		
3,100.00	2,966.14	15,134.00	7,566.57	15.44	139.08	53.90	1,823.69	4,061.15	6,104.36	6,002.96	101.40	60.202		
3,200.00	3,052.88	15,134.00	7,566.57	16.34	139.08	53.90	1,823.69	4,061.15	6,007.08	5,905.17	101.91	58.945		
3,300.00	3,139.63	15,134.00	7,566.57	17.25	139.08	53.90	1,823.69	4,061.15	5,909.89	5,807.45	102.44	57.692		
3,400.00	3,226.38	15,134.00	7,566.57	18.17	139.08	53.90	1,823.69	4,061.15	5,812.80	5,709.81	102.99	56.440		
3,500.00	3,313.12	15,134.00	7,566.57	19.09	139.08	53.90	1,823.69	4,061.15	5,715.80	5,612.24	103.56	55.192		
3,600.00	3,399.87	15,134.00	7,566.57	20.02	139.08	53.90	1,823.69	4,061.15	5,618.92	5,514.76	104.16	53.947		
3,700.00	3,486.62	15,134.00	7,566.57	20.96	139.08	53.90	1,823.69	4,061.15	5,522.14	5,417.37	104.77	52.706		
3,800.00	3,573.37	15,134.00	7,566.57	21.90	139.08	53.90	1,823.69	4,061.15	5,425.48	5,320.07	105.41	51.470		
3,900.00	3,660.11	15,134.00	7,566.57	22.84	139.08	53.90	1,823.69	4,061.15	5,328.94	5,222.87	106.08	50.237		
4,000.00	3,746.86	15,134.00	7,566.57	23.78	139.08	53.90	1,823.69	4,061.15	5,232.53	5,125.77	106.76	49.010		
4,100.00	3,833.61	15,134.00	7,566.57	24.73	139.08	53.90	1,823.69	4,061.15	5,136.26	5,028.78	107.48	47.788		
4,200.00	3,920.35	15,134.00	7,566.57	25.68	139.08	53.90	1,823.69	4,061.15	5,040.14	4,931.91	108.23	46.571		
4,300.00	4,007.10	15,134.00	7,566.57	26.63	139.08	53.90	1,823.69	4,061.15	4,944.17	4,835.17	109.00	45.360		
4,400.00	4,093.85	15,134.00	7,566.57	27.59	139.08	53.90	1,823.69	4,061.15	4,848.36	4,738.56	109.80	44.156		
4,500.00	4,180.60	15,134.00	7,566.57	28.55	139.08	53.90	1,823.69	4,061.15	4,752.73	4,642.09	110.64	42.958		
4,600.00	4,267.34	15,134.00	7,566.57	29.50	139.08	53.90	1,823.69	4,061.15	4,657.28	4,545.77	111.51	41.767		
4,700.00	4,354.09	15,134.00	7,566.57	30.46	139.08	53.90	1,823.69	4,061.15	4,562.02	4,449.61	112.41	40.584		
4,800.00	4,440.84	15,134.00	7,566.57	31.42	139.08	53.90	1,823.69	4,061.15	4,466.97	4,353.62	113.35	39.408		
4,900.00	4,527.58	15,134.00	7,566.57	32.39	139.08	53.90	1,823.69	4,061.15	4,372.14	4,257.81	114.33	38.241		
5,000.00	4,614.33	15,134.00	7,566.57	33.35	139.08	53.90	1,823.69	4,061.15	4,277.55	4,162.19	115.35	37.082		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,701.08	15,134.00	7,566.57	34.31	139.08	53.90	1,823.69	4,061.15	4,183.21	4,066.79	116.42	35.933		
5,200.00	4,787.82	15,134.00	7,566.57	35.28	139.08	53.90	1,823.69	4,061.15	4,089.13	3,971.61	117.53	34.793		
5,300.00	4,874.57	15,134.00	7,566.57	36.25	139.08	53.90	1,823.69	4,061.15	3,995.35	3,876.66	118.69	33.663		
5,400.00	4,961.32	15,134.00	7,566.57	37.21	139.08	53.90	1,823.69	4,061.15	3,901.87	3,781.98	119.89	32.544		
5,500.00	5,048.07	15,134.00	7,566.57	38.18	139.08	53.90	1,823.69	4,061.15	3,808.73	3,687.57	121.16	31.436		
5,600.00	5,134.81	15,134.00	7,566.57	39.15	139.08	53.90	1,823.69	4,061.15	3,715.94	3,593.46	122.48	30.340		
5,700.00	5,221.56	15,134.00	7,566.57	40.12	139.08	53.90	1,823.69	4,061.15	3,623.54	3,499.68	123.86	29.256		
5,800.00	5,308.31	15,134.00	7,566.57	41.09	139.08	53.90	1,823.69	4,061.15	3,531.55	3,406.24	125.30	28.184		
5,900.00	5,395.05	15,134.00	7,566.57	42.06	139.08	53.90	1,823.69	4,061.15	3,440.00	3,313.19	126.81	27.126		
6,000.00	5,481.80	15,134.00	7,566.57	43.03	139.08	53.90	1,823.69	4,061.15	3,348.94	3,220.55	128.40	26.083		
6,100.00	5,568.55	15,134.00	7,566.57	44.00	139.08	53.90	1,823.69	4,061.15	3,258.41	3,128.35	130.06	25.054		
6,200.00	5,655.30	15,134.00	7,566.57	44.97	139.08	53.90	1,823.69	4,061.15	3,168.44	3,036.65	131.79	24.041		
6,300.00	5,742.04	15,134.00	7,566.57	45.94	139.08	53.90	1,823.69	4,061.15	3,079.09	2,945.48	133.62	23.044		
6,400.00	5,828.79	15,134.00	7,566.57	46.92	139.08	53.90	1,823.69	4,061.15	2,990.42	2,854.89	135.53	22.065		
6,500.00	5,915.54	15,134.00	7,566.57	47.89	139.08	53.90	1,823.69	4,061.15	2,902.48	2,764.95	137.53	21.104		
6,600.00	6,002.28	15,134.00	7,566.57	48.86	139.08	53.90	1,823.69	4,061.15	2,815.35	2,675.72	139.64	20.162		
6,700.00	6,089.03	15,134.00	7,566.57	49.83	139.08	53.90	1,823.69	4,061.15	2,729.11	2,587.26	141.84	19.240		
6,800.00	6,175.78	15,134.00	7,566.57	50.81	139.08	53.90	1,823.69	4,061.15	2,643.83	2,499.67	144.15	18.340		
6,900.00	6,262.53	15,134.00	7,566.57	51.78	139.08	53.90	1,823.69	4,061.15	2,559.61	2,413.03	146.58	17.463		
7,000.00	6,349.27	15,134.00	7,566.57	52.76	139.08	53.90	1,823.69	4,061.15	2,476.57	2,327.46	149.11	16.609		
7,100.00	6,436.02	15,134.00	7,566.57	53.73	139.08	53.90	1,823.69	4,061.15	2,394.83	2,243.07	151.76	15.780		
7,200.00	6,522.77	15,134.00	7,566.57	54.71	139.08	53.90	1,823.69	4,061.15	2,314.52	2,159.99	154.53	14.978		
7,300.00	6,609.51	15,134.00	7,566.57	55.68	139.08	53.90	1,823.69	4,061.15	2,235.80	2,078.39	157.41	14.204		
7,400.00	6,696.26	15,134.00	7,566.57	56.66	139.08	53.90	1,823.69	4,061.15	2,158.85	1,998.45	160.40	13.459		
7,500.00	6,783.01	15,135.47	7,566.61	57.63	139.10	53.95	1,822.21	4,061.17	2,083.85	1,920.31	163.54	12.742		
7,600.00	6,869.76	15,106.74	7,565.97	58.61	138.60	52.88	1,850.93	4,060.73	2,010.84	1,845.14	165.69	12.136		
7,683.49	6,942.18	15,082.75	7,565.44	59.42	138.19	51.98	1,874.92	4,060.36	1,951.39	1,783.87	167.52	11.648		
7,700.00	6,956.57	15,079.76	7,565.34	59.58	138.14	47.80	1,879.43	4,060.29	1,939.77	1,771.85	167.92	11.552		
7,750.00	7,000.85	15,069.33	7,565.15	60.04	137.95	34.20	1,888.34	4,060.16	1,904.45	1,735.35	169.10	11.262		
7,800.00	7,045.94	15,063.82	7,565.03	60.46	137.86	19.23	1,893.84	4,060.08	1,869.23	1,698.92	170.31	10.975		
7,850.00	7,091.49	15,061.88	7,564.99	60.84	137.82	3.42	1,895.78	4,060.05	1,834.43	1,662.91	171.52	10.695		
7,900.00	7,137.15	15,063.58	7,565.03	61.17	137.85	-12.35	1,894.08	4,060.07	1,800.36	1,627.66	172.70	10.425		
7,950.00	7,182.58	15,068.98	7,565.14	61.44	137.95	-27.09	1,888.69	4,060.15	1,767.31	1,593.47	173.84	10.166		
8,000.00	7,227.43	15,080.01	7,565.33	61.67	138.14	-40.11	1,879.68	4,060.29	1,735.56	1,560.59	174.98	9.919		
8,050.00	7,271.36	15,092.98	7,565.66	61.84	138.37	-51.05	1,864.69	4,060.52	1,705.36	1,529.28	176.08	9.685		
8,100.00	7,314.04	15,112.07	7,566.09	61.96	138.70	-60.08	1,845.61	4,060.81	1,676.91	1,499.72	177.19	9.464		
8,150.00	7,355.14	15,135.11	7,566.60	62.04	139.10	-67.41	1,822.58	4,061.17	1,650.37	1,472.12	178.25	9.259		
8,200.00	7,394.34	15,134.00	7,566.57	62.07	139.08	-74.18	1,823.69	4,061.15	1,626.13	1,448.03	178.10	9.131		
8,250.00	7,431.36	15,134.00	7,566.57	62.06	139.08	-79.69	1,823.69	4,061.15	1,604.62	1,426.89	177.73	9.028		
8,300.00	7,465.90	15,134.00	7,566.57	62.01	139.08	-84.17	1,823.69	4,061.15	1,586.13	1,409.02	177.11	8.956		
8,350.00	7,497.71	15,134.00	7,566.57	61.93	139.08	-87.76	1,823.69	4,061.15	1,570.91	1,394.67	176.24	8.913		
8,400.00	7,526.53	15,134.00	7,566.57	61.81	139.08	-90.58	1,823.69	4,061.15	1,559.16	1,384.03	175.13	8.903 SF		
8,450.00	7,552.17	15,134.00	7,566.57	61.66	139.08	-92.70	1,823.69	4,061.15	1,551.06	1,377.26	173.81	8.924		
8,500.00	7,574.41	15,134.00	7,566.57	61.48	139.08	-94.21	1,823.69	4,061.15	1,546.73	1,374.44	172.29	8.977 ES		
8,531.53	7,586.61	15,134.00	7,566.57	61.36	139.08	-94.86	1,823.69	4,061.15	1,545.97	1,374.71	171.26	9.027 CC		
8,550.00	7,593.09	15,134.00	7,566.57	61.29	139.08	-95.14	1,823.69	4,061.15	1,546.23	1,375.60	170.63	9.062		
8,600.00	7,608.07	15,134.00	7,566.57	61.07	139.08	-95.52	1,823.69	4,061.15	1,549.56	1,380.72	168.85	9.177		
8,650.00	7,619.23	15,134.00	7,566.57	60.84	139.08	-95.37	1,823.69	4,061.15	1,556.69	1,389.69	167.00	9.322		
8,700.00	7,626.48	15,134.00	7,566.57	60.60	139.08	-94.71	1,823.69	4,061.15	1,567.50	1,402.38	165.11	9.493		
8,750.00	7,629.78	15,134.00	7,566.57	60.35	139.08	-93.53	1,823.69	4,061.15	1,581.83	1,418.59	163.24	9.690		
8,766.45	7,630.00	15,134.00	7,566.57	60.27	139.08	-93.02	1,823.69	4,061.15	1,587.28	1,424.66	162.63	9.760		
8,800.00	7,630.00	15,134.00	7,566.57	60.10	139.08	-93.02	1,823.69	4,061.15	1,599.08	1,437.68	161.40	9.908		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
8,900.00	7,630.00	15,134.00	7,566.57	59.61	139.08	-93.02	1,823.69	4,061.15	1,637.81	1,479.88	157.93	10.370		
9,000.00	7,630.00	15,134.00	7,566.57	59.15	139.08	-93.02	1,823.69	4,061.15	1,681.61	1,526.84	154.78	10.865		
9,100.00	7,630.00	15,134.00	7,566.57	58.71	139.08	-93.02	1,823.69	4,061.15	1,730.09	1,578.18	151.91	11.389		
9,200.00	7,630.00	15,134.00	7,566.57	58.30	139.08	-93.02	1,823.69	4,061.15	1,782.86	1,633.56	149.29	11.942		
9,300.00	7,630.00	15,134.00	7,566.57	57.91	139.08	-93.02	1,823.69	4,061.15	1,839.55	1,692.66	146.90	12.523		
9,400.00	7,630.00	15,134.00	7,566.57	57.54	139.08	-93.02	1,823.69	4,061.15	1,899.83	1,755.15	144.68	13.131		
9,500.00	7,630.00	15,134.00	7,566.57	57.19	139.08	-93.02	1,823.69	4,061.15	1,963.34	1,820.74	142.61	13.768		
9,600.00	7,630.00	15,134.00	7,566.57	56.87	139.08	-93.02	1,823.69	4,061.15	2,029.80	1,889.14	140.66	14.431		
9,700.00	7,630.00	15,134.00	7,566.57	56.57	139.08	-93.02	1,823.69	4,061.15	2,098.92	1,960.11	138.82	15.120		
9,800.00	7,630.00	15,134.00	7,566.57	56.30	139.08	-93.02	1,823.69	4,061.15	2,170.45	2,033.38	137.07	15.834		
9,900.00	7,630.00	15,134.00	7,566.57	56.05	139.08	-93.02	1,823.69	4,061.15	2,244.16	2,108.74	135.41	16.573		
10,000.00	7,630.00	15,134.00	7,566.57	55.82	139.08	-93.02	1,823.69	4,061.15	2,319.83	2,186.00	133.83	17.334		
10,100.00	7,630.00	15,134.00	7,566.57	55.63	139.08	-93.02	1,823.69	4,061.15	2,397.29	2,264.96	132.33	18.116		
10,200.00	7,630.00	15,134.00	7,566.57	55.46	139.08	-93.02	1,823.69	4,061.15	2,476.36	2,345.47	130.89	18.919		
10,300.00	7,630.00	15,134.00	7,566.57	55.32	139.08	-93.02	1,823.69	4,061.15	2,556.90	2,427.38	129.53	19.740		
10,400.00	7,630.00	15,134.00	7,566.57	55.22	139.08	-93.02	1,823.69	4,061.15	2,638.78	2,510.55	128.23	20.579		
10,500.00	7,630.00	15,134.00	7,566.57	55.15	139.08	-93.02	1,823.69	4,061.15	2,721.86	2,594.87	126.99	21.434		
10,600.00	7,630.00	15,134.00	7,566.57	55.14	139.08	-93.02	1,823.69	4,061.15	2,806.05	2,680.24	125.81	22.304		
10,700.00	7,630.00	15,134.00	7,566.57	55.18	139.08	-93.02	1,823.69	4,061.15	2,891.24	2,766.55	124.69	23.187		
10,800.00	7,630.00	15,134.00	7,566.57	55.28	139.08	-93.02	1,823.69	4,061.15	2,977.36	2,853.73	123.63	24.084		
10,900.00	7,630.00	15,134.00	7,566.57	55.47	139.08	-93.02	1,823.69	4,061.15	3,064.32	2,941.70	122.61	24.992		
11,000.00	7,630.00	15,134.00	7,566.57	55.74	139.08	-93.02	1,823.69	4,061.15	3,152.05	3,030.40	121.65	25.911		
11,100.00	7,630.00	15,134.00	7,566.57	56.11	139.08	-93.02	1,823.69	4,061.15	3,240.49	3,119.76	120.74	26.839		
11,200.00	7,630.00	15,134.00	7,566.57	56.60	139.08	-93.02	1,823.69	4,061.15	3,329.59	3,209.72	119.87	27.777		
11,300.00	7,630.00	15,134.00	7,566.57	57.20	139.08	-93.02	1,823.69	4,061.15	3,419.29	3,300.25	119.04	28.723		
11,400.00	7,630.00	15,134.00	7,566.57	57.91	139.08	-93.02	1,823.69	4,061.15	3,509.55	3,391.29	118.26	29.677		
11,500.00	7,630.00	15,134.00	7,566.57	58.72	139.08	-93.02	1,823.69	4,061.15	3,600.32	3,482.81	117.51	30.638		
11,600.00	7,630.00	15,134.00	7,566.57	59.63	139.08	-93.02	1,823.69	4,061.15	3,691.57	3,574.77	116.80	31.605		
11,700.00	7,630.00	15,134.00	7,566.57	60.61	139.08	-93.02	1,823.69	4,061.15	3,783.26	3,667.13	116.13	32.578		
11,800.00	7,630.00	15,134.00	7,566.57	61.67	139.08	-93.02	1,823.69	4,061.15	3,875.37	3,759.88	115.49	33.555		
11,900.00	7,630.00	15,134.00	7,566.57	62.78	139.08	-93.02	1,823.69	4,061.15	3,967.85	3,852.97	114.88	34.538		
12,000.00	7,630.00	15,134.00	7,566.57	63.95	139.08	-93.02	1,823.69	4,061.15	4,060.69	3,946.39	114.31	35.525		
12,100.00	7,630.00	15,134.00	7,566.57	65.16	139.08	-93.02	1,823.69	4,061.15	4,153.87	4,040.11	113.76	36.515		
12,200.00	7,630.00	15,134.00	7,566.57	66.41	139.08	-93.02	1,823.69	4,061.15	4,247.35	4,134.12	113.23	37.509		
12,300.00	7,630.00	15,134.00	7,566.57	67.68	139.08	-93.02	1,823.69	4,061.15	4,341.13	4,228.39	112.74	38.506		
12,400.00	7,630.00	15,134.00	7,566.57	68.99	139.08	-93.02	1,823.69	4,061.15	4,435.17	4,322.91	112.27	39.506		
12,500.00	7,630.00	15,134.00	7,566.57	70.33	139.08	-93.02	1,823.69	4,061.15	4,529.47	4,417.66	111.82	40.508		
12,600.00	7,630.00	15,134.00	7,566.57	71.68	139.08	-93.02	1,823.69	4,061.15	4,624.01	4,512.62	111.39	41.512		
12,700.00	7,630.00	15,134.00	7,566.57	73.06	139.08	-93.02	1,823.69	4,061.15	4,718.78	4,607.80	110.98	42.518		
12,800.00	7,630.00	15,134.00	7,566.57	74.45	139.08	-93.02	1,823.69	4,061.15	4,813.76	4,703.16	110.60	43.525		
12,900.00	7,630.00	15,134.00	7,566.57	75.87	139.08	-93.02	1,823.69	4,061.15	4,908.94	4,798.71	110.23	44.534		
13,000.00	7,630.00	15,134.00	7,566.57	77.29	139.08	-93.02	1,823.69	4,061.15	5,004.30	4,894.42	109.88	45.544		
13,100.00	7,630.00	15,134.00	7,566.57	78.74	139.08	-93.02	1,823.69	4,061.15	5,099.84	4,990.30	109.55	46.555		
13,200.00	7,630.00	15,134.00	7,566.57	80.19	139.08	-93.02	1,823.69	4,061.15	5,195.56	5,086.33	109.23	47.566		
13,300.00	7,630.00	15,134.00	7,566.57	81.66	139.08	-93.02	1,823.69	4,061.15	5,291.42	5,182.50	108.93	48.578		
13,400.00	7,630.00	15,134.00	7,566.57	83.14	139.08	-93.02	1,823.69	4,061.15	5,387.44	5,278.80	108.64	49.590		
13,500.00	7,630.00	15,134.00	7,566.57	84.63	139.08	-93.02	1,823.69	4,061.15	5,483.61	5,375.24	108.37	50.603		
13,600.00	7,630.00	15,134.00	7,566.57	86.14	139.08	-93.02	1,823.69	4,061.15	5,579.90	5,471.80	108.11	51.615		
13,700.00	7,630.00	15,134.00	7,566.57	87.65	139.08	-93.02	1,823.69	4,061.15	5,676.33	5,568.47	107.86	52.628		
13,800.00	7,630.00	15,134.00	7,566.57	89.17	139.08	-93.02	1,823.69	4,061.15	5,772.87	5,665.25	107.62	53.641		
13,900.00	7,630.00	15,134.00	7,566.57	90.70	139.08	-93.02	1,823.69	4,061.15	5,869.54	5,762.14	107.40	54.653		
14,000.00	7,630.00	15,134.00	7,566.57	92.24	139.08	-93.02	1,823.69	4,061.15	5,966.31	5,859.13	107.18	55.665		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
14,100.00	7,630.00	15,134.00	7,566.57	93.78	139.08	-93.02	1,823.69	4,061.15	6,063.19	5,956.21	106.98	56.676		
14,200.00	7,630.00	15,134.00	7,566.57	95.33	139.08	-93.02	1,823.69	4,061.15	6,160.16	6,053.38	106.79	57.687		
14,300.00	7,630.00	15,134.00	7,566.57	96.89	139.08	-93.02	1,823.69	4,061.15	6,257.23	6,150.63	106.60	58.697		
14,400.00	7,630.00	15,134.00	7,566.57	98.46	139.08	-93.02	1,823.69	4,061.15	6,354.40	6,247.97	106.43	59.707		
14,500.00	7,630.00	15,134.00	7,566.57	100.03	139.08	-93.02	1,823.69	4,061.15	6,451.65	6,345.39	106.26	60.716		
14,600.00	7,630.00	15,134.00	7,566.57	101.61	139.08	-93.02	1,823.69	4,061.15	6,548.98	6,442.88	106.10	61.724		
14,700.00	7,630.00	15,134.00	7,566.57	103.20	139.08	-93.02	1,823.69	4,061.15	6,646.39	6,540.44	105.95	62.731		
14,800.00	7,630.00	15,134.00	7,566.57	104.78	139.08	-93.02	1,823.69	4,061.15	6,743.88	6,638.07	105.81	63.737		
14,900.00	7,630.00	15,134.00	7,566.57	106.38	139.08	-93.02	1,823.69	4,061.15	6,841.44	6,735.77	105.67	64.743		
15,000.00	7,630.00	15,134.00	7,566.57	107.98	139.08	-93.02	1,823.69	4,061.15	6,939.07	6,833.52	105.54	65.747		
15,100.00	7,630.00	15,134.00	7,566.57	109.58	139.08	-93.02	1,823.69	4,061.15	7,036.76	6,931.34	105.42	66.750		
15,200.00	7,630.00	15,134.00	7,566.57	111.19	139.08	-93.02	1,823.69	4,061.15	7,134.52	7,029.22	105.30	67.753		
15,300.00	7,630.00	15,134.00	7,566.57	112.81	139.08	-93.02	1,823.69	4,061.15	7,232.34	7,127.15	105.19	68.754		
15,400.00	7,630.00	15,134.00	7,566.57	114.42	139.08	-93.02	1,823.69	4,061.15	7,330.22	7,225.14	105.09	69.754		
15,500.00	7,630.00	15,134.00	7,566.57	116.05	139.08	-93.02	1,823.69	4,061.15	7,428.16	7,323.17	104.99	70.753		
15,600.00	7,630.00	15,134.00	7,566.57	117.67	139.08	-93.02	1,823.69	4,061.15	7,526.15	7,421.26	104.89	71.751		
15,700.00	7,630.00	15,134.00	7,566.57	119.30	139.08	-93.02	1,823.69	4,061.15	7,624.19	7,519.39	104.80	72.747		
15,800.00	7,630.00	15,134.00	7,566.57	120.93	139.08	-93.02	1,823.69	4,061.15	7,722.28	7,617.57	104.72	73.743		
15,900.00	7,630.00	15,134.00	7,566.57	122.57	139.08	-93.02	1,823.69	4,061.15	7,820.43	7,715.79	104.64	74.737		
16,000.00	7,630.00	15,134.00	7,566.57	124.21	139.08	-93.02	1,823.69	4,061.15	7,918.61	7,814.05	104.56	75.729		
16,100.00	7,630.00	15,134.00	7,566.57	125.85	139.08	-93.02	1,823.69	4,061.15	8,016.85	7,912.35	104.49	76.721		
16,200.00	7,630.00	15,134.00	7,566.57	127.50	139.08	-93.02	1,823.69	4,061.15	8,115.12	8,010.70	104.43	77.711		
16,300.00	7,630.00	15,134.00	7,566.57	129.15	139.08	-93.02	1,823.69	4,061.15	8,213.44	8,109.08	104.36	78.700		
16,400.00	7,630.00	15,134.00	7,566.57	130.80	139.08	-93.02	1,823.69	4,061.15	8,311.80	8,207.49	104.30	79.688		
16,500.00	7,630.00	15,134.00	7,566.57	132.46	139.08	-93.02	1,823.69	4,061.15	8,410.19	8,305.94	104.25	80.674		
16,600.00	7,630.00	15,134.00	7,566.57	134.11	139.08	-93.02	1,823.69	4,061.15	8,508.63	8,404.43	104.20	81.659		
16,700.00	7,630.00	15,134.00	7,566.57	135.77	139.08	-93.02	1,823.69	4,061.15	8,607.10	8,502.95	104.15	82.643		
16,800.00	7,630.00	15,134.00	7,566.57	137.43	139.08	-93.02	1,823.69	4,061.15	8,705.60	8,601.50	104.10	83.625		
16,900.00	7,630.00	15,134.00	7,566.57	139.10	139.08	-93.02	1,823.69	4,061.15	8,804.14	8,700.08	104.06	84.606		
17,000.00	7,630.00	15,134.00	7,566.57	140.77	139.08	-93.02	1,823.69	4,061.15	8,902.71	8,798.69	104.02	85.585		
17,100.00	7,630.00	15,134.00	7,566.57	142.44	139.08	-93.02	1,823.69	4,061.15	9,001.31	8,897.33	103.98	86.564		
17,200.00	7,630.00	15,134.00	7,566.57	144.11	139.08	-93.02	1,823.69	4,061.15	9,099.95	8,995.99	103.95	87.540		
17,300.00	7,630.00	15,134.00	7,566.57	145.78	139.08	-93.02	1,823.69	4,061.15	9,198.61	9,094.69	103.92	88.516		
17,400.00	7,630.00	15,134.00	7,566.57	147.46	139.08	-93.02	1,823.69	4,061.15	9,297.30	9,193.41	103.89	89.490		
17,500.00	7,630.00	15,134.00	7,566.57	149.13	139.08	-93.02	1,823.69	4,061.15	9,396.02	9,292.15	103.87	90.462		
17,600.00	7,630.00	15,134.00	7,566.57	150.81	139.08	-93.02	1,823.69	4,061.15	9,494.76	9,390.92	103.84	91.434		
17,700.00	7,630.00	15,134.00	7,566.57	152.49	139.08	-93.02	1,823.69	4,061.15	9,593.53	9,489.71	103.82	92.404		
17,800.00	7,630.00	15,134.00	7,566.57	154.18	139.08	-93.02	1,823.69	4,061.15	9,692.33	9,588.53	103.80	93.372		
17,900.00	7,630.00	15,134.00	7,566.57	155.86	139.08	-93.02	1,823.69	4,061.15	9,791.15	9,687.37	103.79	94.339		
18,000.00	7,630.00	15,134.00	7,566.57	157.55	139.08	-93.02	1,823.69	4,061.15	9,890.00	9,786.23	103.77	95.305		
18,100.00	7,630.00	15,134.00	7,566.57	159.24	139.08	-93.02	1,823.69	4,061.15	9,988.87	9,885.11	103.76	96.269		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	71.48	1,855.54	5,539.97	9,869.40					
100.00	100.00	15,352.00	7,829.29	0.13	138.31	71.48	1,855.54	5,539.97	9,788.98	9,694.50	94.48	103.609		
200.00	200.00	15,352.00	7,829.29	0.49	138.31	71.48	1,855.54	5,539.97	9,708.93	9,614.00	94.92	102.282		
300.00	300.00	15,352.00	7,829.29	0.85	138.31	71.48	1,855.54	5,539.97	9,629.25	9,533.85	95.40	100.932		
400.00	400.00	15,352.00	7,829.29	1.21	138.31	71.48	1,855.54	5,539.97	9,549.95	9,454.03	95.92	99.564		
500.00	500.00	15,352.00	7,829.29	1.57	138.31	71.48	1,855.54	5,539.97	9,471.05	9,374.58	96.46	98.182		
600.00	600.00	15,352.00	7,829.29	1.93	138.31	71.48	1,855.54	5,539.97	9,392.54	9,295.50	97.04	96.788		
700.00	700.00	15,352.00	7,829.29	2.29	138.31	71.48	1,855.54	5,539.97	9,314.45	9,216.80	97.65	95.389		
800.00	800.00	15,352.00	7,829.29	2.64	138.31	71.48	1,855.54	5,539.97	9,236.78	9,138.50	98.28	93.987		
900.00	900.00	15,352.00	7,829.29	3.00	138.31	71.48	1,855.54	5,539.97	9,159.55	9,060.62	98.93	92.586		
1,000.00	1,000.00	15,352.00	7,829.29	3.36	138.31	71.48	1,855.54	5,539.97	9,082.75	8,983.15	99.60	91.189		
1,100.00	1,100.00	15,352.00	7,829.29	3.72	138.31	71.48	1,855.54	5,539.97	9,006.42	8,906.12	100.30	89.798		
1,200.00	1,199.98	15,352.00	7,829.29	4.07	138.31	21.27	1,855.54	5,539.97	8,929.49	8,828.49	101.01	88.404		
1,300.00	1,299.84	15,352.00	7,829.29	4.43	138.31	22.21	1,855.54	5,539.97	8,850.97	8,749.25	101.72	87.011		
1,400.00	1,399.45	15,352.00	7,829.29	4.79	138.31	23.24	1,855.54	5,539.97	8,770.89	8,668.46	102.43	85.629		
1,500.00	1,498.70	15,352.00	7,829.29	5.15	138.31	24.38	1,855.54	5,539.97	8,689.32	8,586.20	103.13	84.260		
1,600.00	1,597.47	15,352.00	7,829.29	5.53	138.31	25.64	1,855.54	5,539.97	8,606.32	8,502.51	103.81	82.904		
1,700.00	1,695.62	15,352.00	7,829.29	5.93	138.31	27.04	1,855.54	5,539.97	8,521.94	8,417.46	104.49	81.561		
1,800.00	1,793.06	15,352.00	7,829.29	6.35	138.31	28.59	1,855.54	5,539.97	8,436.26	8,331.11	105.15	80.231		
1,900.00	1,889.64	15,352.00	7,829.29	6.79	138.31	30.32	1,855.54	5,539.97	8,349.32	8,243.52	105.80	78.915		
2,000.00	1,885.27	15,352.00	7,829.29	7.27	138.31	32.25	1,855.54	5,539.97	8,261.21	8,154.77	106.44	77.612		
2,100.00	2,079.82	15,352.00	7,829.29	7.79	138.31	34.42	1,855.54	5,539.97	8,172.00	8,064.93	107.07	76.323		
2,200.00	2,173.17	15,352.00	7,829.29	8.36	138.31	36.86	1,855.54	5,539.97	8,081.75	7,974.06	107.69	75.046		
2,300.00	2,265.21	15,352.00	7,829.29	8.97	138.31	39.62	1,855.54	5,539.97	7,990.55	7,882.25	108.30	73.783		
2,400.00	2,355.84	15,352.00	7,829.29	9.64	138.31	42.72	1,855.54	5,539.97	7,898.47	7,789.58	108.89	72.533		
2,500.00	2,444.94	15,352.00	7,829.29	10.36	138.31	46.23	1,855.54	5,539.97	7,805.60	7,696.12	109.48	71.297		
2,591.69	2,525.19	15,352.00	7,829.29	11.07	138.31	49.84	1,855.54	5,539.97	7,719.83	7,609.82	110.01	70.174		
2,600.00	2,532.40	15,352.00	7,829.29	11.14	138.31	49.84	1,855.54	5,539.97	7,712.03	7,601.97	110.06	70.071		
2,700.00	2,619.15	15,352.00	7,829.29	11.96	138.31	49.84	1,855.54	5,539.97	7,618.28	7,507.64	110.64	68.858		
2,800.00	2,705.89	15,352.00	7,829.29	12.81	138.31	49.84	1,855.54	5,539.97	7,524.69	7,413.45	111.24	67.645		
2,900.00	2,792.64	15,352.00	7,829.29	13.67	138.31	49.84	1,855.54	5,539.97	7,431.26	7,319.40	111.86	66.435		
3,000.00	2,879.39	15,352.00	7,829.29	14.55	138.31	49.84	1,855.54	5,539.97	7,338.01	7,225.51	112.50	65.227		
3,100.00	2,966.14	15,352.00	7,829.29	15.44	138.31	49.84	1,855.54	5,539.97	7,244.93	7,131.77	113.16	64.022		
3,200.00	3,052.88	15,352.00	7,829.29	16.34	138.31	49.84	1,855.54	5,539.97	7,152.05	7,038.20	113.85	62.821		
3,300.00	3,139.63	15,352.00	7,829.29	17.25	138.31	49.84	1,855.54	5,539.97	7,059.36	6,944.80	114.56	61.624		
3,400.00	3,226.38	15,352.00	7,829.29	18.17	138.31	49.84	1,855.54	5,539.97	6,966.87	6,851.58	115.28	60.432		
3,500.00	3,313.12	15,352.00	7,829.29	19.09	138.31	49.84	1,855.54	5,539.97	6,874.59	6,758.55	116.03	59.246		
3,600.00	3,399.87	15,352.00	7,829.29	20.02	138.31	49.84	1,855.54	5,539.97	6,782.53	6,665.72	116.81	58.065		
3,700.00	3,486.62	15,352.00	7,829.29	20.96	138.31	49.84	1,855.54	5,539.97	6,690.69	6,573.09	117.61	56.891		
3,800.00	3,573.37	15,352.00	7,829.29	21.90	138.31	49.84	1,855.54	5,539.97	6,599.10	6,480.67	118.43	55.724		
3,900.00	3,660.11	15,352.00	7,829.29	22.84	138.31	49.84	1,855.54	5,539.97	6,507.75	6,388.48	119.27	54.564		
4,000.00	3,746.86	15,352.00	7,829.29	23.78	138.31	49.84	1,855.54	5,539.97	6,416.66	6,296.52	120.14	53.411		
4,100.00	3,833.61	15,352.00	7,829.29	24.73	138.31	49.84	1,855.54	5,539.97	6,325.84	6,204.81	121.03	52.267		
4,200.00	3,920.35	15,352.00	7,829.29	25.68	138.31	49.84	1,855.54	5,539.97	6,235.30	6,113.35	121.95	51.131		
4,300.00	4,007.10	15,352.00	7,829.29	26.63	138.31	49.84	1,855.54	5,539.97	6,145.05	6,022.16	122.89	50.003		
4,400.00	4,093.85	15,352.00	7,829.29	27.59	138.31	49.84	1,855.54	5,539.97	6,055.11	5,931.25	123.86	48.885		
4,500.00	4,180.60	15,352.00	7,829.29	28.55	138.31	49.84	1,855.54	5,539.97	5,965.49	5,840.63	124.86	47.777		
4,600.00	4,267.34	15,352.00	7,829.29	29.50	138.31	49.84	1,855.54	5,539.97	5,876.21	5,750.32	125.89	46.679		
4,700.00	4,354.09	15,352.00	7,829.29	30.46	138.31	49.84	1,855.54	5,539.97	5,787.28	5,660.34	126.94	45.590		
4,800.00	4,440.84	15,352.00	7,829.29	31.42	138.31	49.84	1,855.54	5,539.97	5,698.71	5,570.69	128.02	44.513		
4,900.00	4,527.58	15,352.00	7,829.29	32.39	138.31	49.84	1,855.54	5,539.97	5,610.53	5,481.39	129.14	43.447		
5,000.00	4,614.33	15,352.00	7,829.29	33.35	138.31	49.84	1,855.54	5,539.97	5,522.75	5,392.47	130.28	42.392		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,701.08	15,352.00	7,829.29	34.31	138.31	49.84	1,855.54	5,539.97	5,435.39	5,303.93	131.45	41.348		
5,200.00	4,787.82	15,352.00	7,829.29	35.28	138.31	49.84	1,855.54	5,539.97	5,348.47	5,215.81	132.66	40.317		
5,300.00	4,874.57	15,352.00	7,829.29	36.25	138.31	49.84	1,855.54	5,539.97	5,262.02	5,128.12	133.90	39.298		
5,400.00	4,961.32	15,352.00	7,829.29	37.21	138.31	49.84	1,855.54	5,539.97	5,176.06	5,040.89	135.17	38.292		
5,500.00	5,048.07	15,352.00	7,829.29	38.18	138.31	49.84	1,855.54	5,539.97	5,090.61	4,954.13	136.48	37.300		
5,600.00	5,134.81	15,352.00	7,829.29	39.15	138.31	49.84	1,855.54	5,539.97	5,005.70	4,867.88	137.82	36.321		
5,700.00	5,221.56	15,352.00	7,829.29	40.12	138.31	49.84	1,855.54	5,539.97	4,921.36	4,782.16	139.20	35.356		
5,800.00	5,308.31	15,352.00	7,829.29	41.09	138.31	49.84	1,855.54	5,539.97	4,837.61	4,697.00	140.61	34.405		
5,900.00	5,395.05	15,352.00	7,829.29	42.06	138.31	49.84	1,855.54	5,539.97	4,754.49	4,612.43	142.06	33.469		
6,000.00	5,481.80	15,352.00	7,829.29	43.03	138.31	49.84	1,855.54	5,539.97	4,672.04	4,528.49	143.54	32.548		
6,100.00	5,568.55	15,352.00	7,829.29	44.00	138.31	49.84	1,855.54	5,539.97	4,590.28	4,445.21	145.07	31.642		
6,200.00	5,655.30	15,352.00	7,829.29	44.97	138.31	49.84	1,855.54	5,539.97	4,509.25	4,362.62	146.63	30.753		
6,300.00	5,742.04	15,352.00	7,829.29	45.94	138.31	49.84	1,855.54	5,539.97	4,429.00	4,280.78	148.23	29.880		
6,400.00	5,828.79	15,352.00	7,829.29	46.92	138.31	49.84	1,855.54	5,539.97	4,349.57	4,199.71	149.86	29.024		
6,500.00	5,915.54	15,352.00	7,829.29	47.89	138.31	49.84	1,855.54	5,539.97	4,271.01	4,119.47	151.54	28.185		
6,600.00	6,002.28	15,352.00	7,829.29	48.86	138.31	49.84	1,855.54	5,539.97	4,193.36	4,040.11	153.25	27.364		
6,700.00	6,089.03	15,352.00	7,829.29	49.83	138.31	49.84	1,855.54	5,539.97	4,116.67	3,961.68	154.99	26.561		
6,800.00	6,175.78	15,352.00	7,829.29	50.81	138.31	49.84	1,855.54	5,539.97	4,041.00	3,884.22	156.77	25.776		
6,900.00	6,262.53	15,352.00	7,829.29	51.78	138.31	49.84	1,855.54	5,539.97	3,966.41	3,807.82	158.59	25.011		
7,000.00	6,349.27	15,352.00	7,829.29	52.76	138.31	49.84	1,855.54	5,539.97	3,892.96	3,732.52	160.44	24.265		
7,100.00	6,436.02	15,352.00	7,829.29	53.73	138.31	49.84	1,855.54	5,539.97	3,820.71	3,658.40	162.31	23.539		
7,200.00	6,522.77	15,352.00	7,829.29	54.71	138.31	49.84	1,855.54	5,539.97	3,749.74	3,585.52	164.22	22.834		
7,300.00	6,609.51	15,352.00	7,829.29	55.68	138.31	49.84	1,855.54	5,539.97	3,680.12	3,513.97	166.14	22.150		
7,400.00	6,696.26	15,352.00	7,829.29	56.66	138.31	49.84	1,855.54	5,539.97	3,611.92	3,443.83	168.09	21.488		
7,500.00	6,783.01	15,352.00	7,829.29	57.63	138.31	49.84	1,855.54	5,539.97	3,545.24	3,375.18	170.05	20.848		
7,600.00	6,869.76	15,352.00	7,829.29	58.61	138.31	49.84	1,855.54	5,539.97	3,480.15	3,308.12	172.03	20.230		
7,683.49	6,942.18	15,356.83	7,829.40	59.42	138.39	49.94	1,850.71	5,539.96	3,427.09	3,253.28	173.81	19.718		
7,700.00	6,956.57	15,352.22	7,829.30	59.58	138.31	46.12	1,855.33	5,539.97	3,416.70	3,242.69	174.00	19.636		
7,750.00	7,000.85	15,341.04	7,829.05	60.04	138.12	33.50	1,866.50	5,539.97	3,385.01	3,210.39	174.62	19.385		
7,800.00	7,045.94	15,334.15	7,828.90	60.46	138.00	19.43	1,873.39	5,539.98	3,353.21	3,177.96	175.26	19.133		
7,850.00	7,091.49	15,331.60	7,828.84	60.84	137.95	4.41	1,875.93	5,539.98	3,321.56	3,145.66	175.90	18.883		
7,900.00	7,137.15	15,333.42	7,828.88	61.17	137.98	-10.74	1,874.12	5,539.98	3,290.33	3,113.77	176.55	18.637		
7,950.00	7,182.58	15,339.58	7,829.02	61.44	138.09	-25.05	1,867.96	5,539.97	3,259.74	3,082.54	177.20	18.396		
8,000.00	7,227.43	15,350.04	7,829.25	61.67	138.27	-37.82	1,857.51	5,539.97	3,230.05	3,052.20	177.85	18.162		
8,050.00	7,271.36	15,352.00	7,829.29	61.84	138.31	-49.04	1,855.54	5,539.97	3,201.48	3,023.34	178.14	17.972		
8,100.00	7,314.04	15,352.00	7,829.29	61.96	138.31	-58.58	1,855.54	5,539.97	3,174.30	2,996.05	178.25	17.808		
8,150.00	7,355.14	15,352.00	7,829.29	62.04	138.31	-66.56	1,855.54	5,539.97	3,148.77	2,970.54	178.23	17.667		
8,200.00	7,394.34	15,352.00	7,829.29	62.07	138.31	-73.22	1,855.54	5,539.97	3,125.12	2,947.03	178.09	17.548		
8,250.00	7,431.36	15,352.00	7,829.29	62.06	138.31	-78.76	1,855.54	5,539.97	3,103.57	2,925.75	177.83	17.453		
8,300.00	7,465.90	15,352.00	7,829.29	62.01	138.31	-83.33	1,855.54	5,539.97	3,084.34	2,906.89	177.44	17.382		
8,350.00	7,497.71	15,352.00	7,829.29	61.93	138.31	-87.09	1,855.54	5,539.97	3,067.61	2,890.66	176.95	17.336		
8,400.00	7,526.53	15,352.00	7,829.29	61.81	138.31	-90.14	1,855.54	5,539.97	3,053.56	2,877.20	176.36	17.314 SF		
8,450.00	7,552.17	15,352.00	7,829.29	61.66	138.31	-92.56	1,855.54	5,539.97	3,042.33	2,866.65	175.67	17.318		
8,500.00	7,574.41	15,352.00	7,829.29	61.48	138.31	-94.41	1,855.54	5,539.97	3,034.03	2,859.12	174.91	17.346		
8,550.00	7,593.09	15,352.00	7,829.29	61.29	138.31	-95.75	1,855.54	5,539.97	3,028.76	2,854.68	174.08	17.399		
8,600.00	7,608.07	15,352.00	7,829.29	61.07	138.31	-96.61	1,855.54	5,539.97	3,026.57	2,853.38	173.19	17.475 ES		
8,610.28	7,610.68	15,352.00	7,829.29	61.03	138.31	-96.73	1,855.54	5,539.97	3,026.51	2,853.50	173.01	17.493 CC		
8,650.00	7,619.23	15,352.00	7,829.29	60.84	138.31	-97.01	1,855.54	5,539.97	3,027.49	2,855.22	172.27	17.574		
8,700.00	7,626.48	15,352.00	7,829.29	60.60	138.31	-96.97	1,855.54	5,539.97	3,031.49	2,860.17	171.32	17.694		
8,750.00	7,629.78	15,352.00	7,829.29	60.35	138.31	-96.49	1,855.54	5,539.97	3,038.55	2,868.19	170.36	17.836		
8,766.45	7,630.00	15,352.00	7,829.29	60.27	138.31	-96.24	1,855.54	5,539.97	3,041.53	2,871.48	170.05	17.886		
8,800.00	7,630.00	15,352.00	7,829.29	60.10	138.31	-96.24	1,855.54	5,539.97	3,048.11	2,878.70	169.41	17.993		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
8,900.00	7,630.00	15,352.00	7,829.29	59.61	138.31	-96.24	1,855.54	5,539.97	3,069.81	2,902.21	167.59	18.317		
9,000.00	7,630.00	15,352.00	7,829.29	59.15	138.31	-96.24	1,855.54	5,539.97	3,094.59	2,928.66	165.93	18.650		
9,100.00	7,630.00	15,352.00	7,829.29	58.71	138.31	-96.24	1,855.54	5,539.97	3,122.37	2,957.96	164.42	18.990		
9,200.00	7,630.00	15,352.00	7,829.29	58.30	138.31	-96.24	1,855.54	5,539.97	3,153.09	2,990.01	163.07	19.335		
9,300.00	7,630.00	15,352.00	7,829.29	57.91	138.31	-96.24	1,855.54	5,539.97	3,186.65	3,024.75	161.89	19.684		
9,400.00	7,630.00	15,352.00	7,829.29	57.54	138.31	-96.24	1,855.54	5,539.97	3,222.96	3,062.09	160.86	20.035		
9,500.00	7,630.00	15,352.00	7,829.29	57.19	138.31	-96.24	1,855.54	5,539.97	3,261.93	3,101.96	159.97	20.391		
9,600.00	7,630.00	15,352.00	7,829.29	56.87	138.31	-96.24	1,855.54	5,539.97	3,303.48	3,144.28	159.19	20.751		
9,700.00	7,630.00	15,352.00	7,829.29	56.57	138.31	-96.24	1,855.54	5,539.97	3,347.49	3,188.97	158.52	21.117		
9,800.00	7,630.00	15,352.00	7,829.29	56.30	138.31	-96.24	1,855.54	5,539.97	3,393.88	3,235.96	157.93	21.490		
9,900.00	7,630.00	15,352.00	7,829.29	56.05	138.31	-96.24	1,855.54	5,539.97	3,442.56	3,285.16	157.39	21.872		
10,000.00	7,630.00	15,352.00	7,829.29	55.82	138.31	-96.24	1,855.54	5,539.97	3,493.41	3,336.50	156.91	22.264		
10,100.00	7,630.00	15,352.00	7,829.29	55.63	138.31	-96.24	1,855.54	5,539.97	3,546.36	3,389.90	156.47	22.666		
10,200.00	7,630.00	15,352.00	7,829.29	55.46	138.31	-96.24	1,855.54	5,539.97	3,601.31	3,445.27	156.04	23.079		
10,300.00	7,630.00	15,352.00	7,829.29	55.32	138.31	-96.24	1,855.54	5,539.97	3,658.17	3,502.53	155.64	23.504		
10,400.00	7,630.00	15,352.00	7,829.29	55.22	138.31	-96.24	1,855.54	5,539.97	3,716.84	3,561.60	155.24	23.942		
10,500.00	7,630.00	15,352.00	7,829.29	55.15	138.31	-96.24	1,855.54	5,539.97	3,777.26	3,622.40	154.85	24.393		
10,600.00	7,630.00	15,352.00	7,829.29	55.14	138.31	-96.24	1,855.54	5,539.97	3,839.33	3,684.86	154.46	24.856		
10,700.00	7,630.00	15,352.00	7,829.29	55.18	138.31	-96.24	1,855.54	5,539.97	3,902.97	3,748.89	154.08	25.332		
10,800.00	7,630.00	15,352.00	7,829.29	55.28	138.31	-96.24	1,855.54	5,539.97	3,968.11	3,814.43	153.68	25.820		
10,900.00	7,630.00	15,352.00	7,829.29	55.47	138.31	-96.24	1,855.54	5,539.97	4,034.68	3,881.39	153.29	26.321		
11,000.00	7,630.00	15,352.00	7,829.29	55.74	138.31	-96.24	1,855.54	5,539.97	4,102.61	3,949.72	152.89	26.834		
11,100.00	7,630.00	15,352.00	7,829.29	56.11	138.31	-96.24	1,855.54	5,539.97	4,171.83	4,019.35	152.48	27.359		
11,200.00	7,630.00	15,352.00	7,829.29	56.60	138.31	-96.24	1,855.54	5,539.97	4,242.28	4,090.20	152.07	27.896		
11,300.00	7,630.00	15,352.00	7,829.29	57.20	138.31	-96.24	1,855.54	5,539.97	4,313.89	4,162.23	151.66	28.444		
11,400.00	7,630.00	15,352.00	7,829.29	57.91	138.31	-96.24	1,855.54	5,539.97	4,386.62	4,235.37	151.25	29.003		
11,500.00	7,630.00	15,352.00	7,829.29	58.72	138.31	-96.24	1,855.54	5,539.97	4,460.40	4,309.57	150.83	29.573		
11,600.00	7,630.00	15,352.00	7,829.29	59.63	138.31	-96.24	1,855.54	5,539.97	4,535.18	4,384.77	150.41	30.152		
11,700.00	7,630.00	15,352.00	7,829.29	60.61	138.31	-96.24	1,855.54	5,539.97	4,610.93	4,460.94	149.99	30.742		
11,800.00	7,630.00	15,352.00	7,829.29	61.67	138.31	-96.24	1,855.54	5,539.97	4,687.58	4,538.01	149.57	31.341		
11,900.00	7,630.00	15,352.00	7,829.29	62.78	138.31	-96.24	1,855.54	5,539.97	4,765.09	4,615.95	149.15	31.949		
12,000.00	7,630.00	15,352.00	7,829.29	63.95	138.31	-96.24	1,855.54	5,539.97	4,843.44	4,694.71	148.73	32.566		
12,100.00	7,630.00	15,352.00	7,829.29	65.16	138.31	-96.24	1,855.54	5,539.97	4,922.56	4,774.25	148.31	33.191		
12,200.00	7,630.00	15,352.00	7,829.29	66.41	138.31	-96.24	1,855.54	5,539.97	5,002.44	4,854.54	147.89	33.824		
12,300.00	7,630.00	15,352.00	7,829.29	67.68	138.31	-96.24	1,855.54	5,539.97	5,083.02	4,935.54	147.48	34.465		
12,400.00	7,630.00	15,352.00	7,829.29	68.99	138.31	-96.24	1,855.54	5,539.97	5,164.29	5,017.21	147.07	35.114		
12,500.00	7,630.00	15,352.00	7,829.29	70.33	138.31	-96.24	1,855.54	5,539.97	5,246.20	5,099.53	146.67	35.769		
12,600.00	7,630.00	15,352.00	7,829.29	71.68	138.31	-96.24	1,855.54	5,539.97	5,328.73	5,182.46	146.27	36.432		
12,700.00	7,630.00	15,352.00	7,829.29	73.06	138.31	-96.24	1,855.54	5,539.97	5,411.85	5,265.98	145.87	37.101		
12,800.00	7,630.00	15,352.00	7,829.29	74.45	138.31	-96.24	1,855.54	5,539.97	5,495.53	5,350.05	145.48	37.776		
12,900.00	7,630.00	15,352.00	7,829.29	75.87	138.31	-96.24	1,855.54	5,539.97	5,579.75	5,434.66	145.09	38.457		
13,000.00	7,630.00	15,352.00	7,829.29	77.29	138.31	-96.24	1,855.54	5,539.97	5,664.48	5,519.77	144.71	39.144		
13,100.00	7,630.00	15,352.00	7,829.29	78.74	138.31	-96.24	1,855.54	5,539.97	5,749.70	5,605.37	144.34	39.836		
13,200.00	7,630.00	15,352.00	7,829.29	80.19	138.31	-96.24	1,855.54	5,539.97	5,835.39	5,691.43	143.97	40.533		
13,300.00	7,630.00	15,352.00	7,829.29	81.66	138.31	-96.24	1,855.54	5,539.97	5,921.54	5,777.93	143.60	41.236		
13,400.00	7,630.00	15,352.00	7,829.29	83.14	138.31	-96.24	1,855.54	5,539.97	6,008.11	5,864.86	143.25	41.943		
13,500.00	7,630.00	15,352.00	7,829.29	84.63	138.31	-96.24	1,855.54	5,539.97	6,095.09	5,952.19	142.89	42.654		
13,600.00	7,630.00	15,352.00	7,829.29	86.14	138.31	-96.24	1,855.54	5,539.97	6,182.46	6,039.91	142.55	43.371		
13,700.00	7,630.00	15,352.00	7,829.29	87.65	138.31	-96.24	1,855.54	5,539.97	6,270.21	6,128.00	142.21	44.091		
13,800.00	7,630.00	15,352.00	7,829.29	89.17	138.31	-96.24	1,855.54	5,539.97	6,358.33	6,216.45	141.88	44.815		
13,900.00	7,630.00	15,352.00	7,829.29	90.70	138.31	-96.24	1,855.54	5,539.97	6,446.79	6,305.23	141.55	45.543		
14,000.00	7,630.00	15,352.00	7,829.29	92.24	138.31	-96.24	1,855.54	5,539.97	6,535.58	6,394.34	141.24	46.274		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
14,100.00	7,630.00	15,352.00	7,829.29	93.78	138.31	-96.24	1,855.54	5,539.97	6,624.69	6,483.77	140.92	47.009		
14,200.00	7,630.00	15,352.00	7,829.29	95.33	138.31	-96.24	1,855.54	5,539.97	6,714.11	6,573.50	140.62	47.748		
14,300.00	7,630.00	15,352.00	7,829.29	96.89	138.31	-96.24	1,855.54	5,539.97	6,803.83	6,663.51	140.32	48.489		
14,400.00	7,630.00	15,352.00	7,829.29	98.46	138.31	-96.24	1,855.54	5,539.97	6,893.82	6,753.80	140.02	49.233		
14,500.00	7,630.00	15,352.00	7,829.29	100.03	138.31	-96.24	1,855.54	5,539.97	6,984.09	6,844.36	139.74	49.981		
14,600.00	7,630.00	15,352.00	7,829.29	101.61	138.31	-96.24	1,855.54	5,539.97	7,074.62	6,935.17	139.46	50.730		
14,700.00	7,630.00	15,352.00	7,829.29	103.20	138.31	-96.24	1,855.54	5,539.97	7,165.41	7,026.23	139.18	51.483		
14,800.00	7,630.00	15,352.00	7,829.29	104.78	138.31	-96.24	1,855.54	5,539.97	7,256.43	7,117.52	138.91	52.238		
14,900.00	7,630.00	15,352.00	7,829.29	106.38	138.31	-96.24	1,855.54	5,539.97	7,347.69	7,209.04	138.65	52.995		
15,000.00	7,630.00	15,352.00	7,829.29	107.98	138.31	-96.24	1,855.54	5,539.97	7,439.17	7,300.78	138.39	53.755		
15,100.00	7,630.00	15,352.00	7,829.29	109.58	138.31	-96.24	1,855.54	5,539.97	7,530.87	7,392.73	138.14	54.516		
15,200.00	7,630.00	15,352.00	7,829.29	111.19	138.31	-96.24	1,855.54	5,539.97	7,622.78	7,484.88	137.90	55.280		
15,300.00	7,630.00	15,352.00	7,829.29	112.81	138.31	-96.24	1,855.54	5,539.97	7,714.89	7,577.23	137.66	56.045		
15,400.00	7,630.00	15,352.00	7,829.29	114.42	138.31	-96.24	1,855.54	5,539.97	7,807.19	7,669.77	137.42	56.812		
15,500.00	7,630.00	15,352.00	7,829.29	116.05	138.31	-96.24	1,855.54	5,539.97	7,899.68	7,762.49	137.19	57.581		
15,600.00	7,630.00	15,352.00	7,829.29	117.67	138.31	-96.24	1,855.54	5,539.97	7,992.36	7,855.39	136.97	58.351		
15,700.00	7,630.00	15,352.00	7,829.29	119.30	138.31	-96.24	1,855.54	5,539.97	8,085.20	7,948.45	136.75	59.123		
15,800.00	7,630.00	15,352.00	7,829.29	120.93	138.31	-96.24	1,855.54	5,539.97	8,178.22	8,041.68	136.54	59.897		
15,900.00	7,630.00	15,352.00	7,829.29	122.57	138.31	-96.24	1,855.54	5,539.97	8,271.40	8,135.07	136.33	60.672		
16,000.00	7,630.00	15,352.00	7,829.29	124.21	138.31	-96.24	1,855.54	5,539.97	8,364.73	8,228.60	136.13	61.448		
16,100.00	7,630.00	15,352.00	7,829.29	125.85	138.31	-96.24	1,855.54	5,539.97	8,458.22	8,322.29	135.93	62.225		
16,200.00	7,630.00	15,352.00	7,829.29	127.50	138.31	-96.24	1,855.54	5,539.97	8,551.86	8,416.12	135.74	63.003		
16,300.00	7,630.00	15,352.00	7,829.29	129.15	138.31	-96.24	1,855.54	5,539.97	8,645.63	8,510.09	135.55	63.782		
16,400.00	7,630.00	15,352.00	7,829.29	130.80	138.31	-96.24	1,855.54	5,539.97	8,739.55	8,604.18	135.37	64.563		
16,500.00	7,630.00	15,352.00	7,829.29	132.46	138.31	-96.24	1,855.54	5,539.97	8,833.60	8,698.41	135.19	65.344		
16,600.00	7,630.00	15,352.00	7,829.29	134.11	138.31	-96.24	1,855.54	5,539.97	8,927.78	8,792.77	135.01	66.126		
16,700.00	7,630.00	15,352.00	7,829.29	135.77	138.31	-96.24	1,855.54	5,539.97	9,022.08	8,887.24	134.84	66.909		
16,800.00	7,630.00	15,352.00	7,829.29	137.43	138.31	-96.24	1,855.54	5,539.97	9,116.51	8,981.83	134.67	67.693		
16,900.00	7,630.00	15,352.00	7,829.29	139.10	138.31	-96.24	1,855.54	5,539.97	9,211.05	9,076.54	134.51	68.477		
17,000.00	7,630.00	15,352.00	7,829.29	140.77	138.31	-96.24	1,855.54	5,539.97	9,305.71	9,171.35	134.36	69.262		
17,100.00	7,630.00	15,352.00	7,829.29	142.44	138.31	-96.24	1,855.54	5,539.97	9,400.48	9,266.28	134.20	70.047		
17,200.00	7,630.00	15,352.00	7,829.29	144.11	138.31	-96.24	1,855.54	5,539.97	9,495.35	9,361.30	134.05	70.834		
17,300.00	7,630.00	15,352.00	7,829.29	145.78	138.31	-96.24	1,855.54	5,539.97	9,590.33	9,456.43	133.91	71.620		
17,400.00	7,630.00	15,352.00	7,829.29	147.46	138.31	-96.24	1,855.54	5,539.97	9,685.41	9,551.65	133.76	72.407		
17,500.00	7,630.00	15,352.00	7,829.29	149.13	138.31	-96.24	1,855.54	5,539.97	9,780.59	9,646.97	133.62	73.194		
17,600.00	7,630.00	15,352.00	7,829.29	150.81	138.31	-96.24	1,855.54	5,539.97	9,875.86	9,742.37	133.49	73.982		
17,700.00	7,630.00	15,352.00	7,829.29	152.49	138.31	-96.24	1,855.54	5,539.97	9,971.23	9,837.87	133.36	74.770		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	58.73	2,113.85	3,481.26	4,072.96					
100.00	100.00	50.47	50.47	0.13	0.09	58.73	2,113.85	3,481.29	4,072.82	4,072.60	0.23	N/A		
200.00	200.00	125.00	125.00	0.49	0.36	58.74	2,113.86	3,481.84	4,073.44	4,072.59	0.85	4,779.889		
300.00	300.00	202.37	202.36	0.85	0.64	58.74	2,114.16	3,482.77	4,074.65	4,073.17	1.49	2,739.396		
400.00	400.00	304.61	304.59	1.21	1.00	58.74	2,114.99	3,484.04	4,076.14	4,073.92	2.21	1,843.444		
500.00	500.00	441.94	441.91	1.57	1.49	58.75	2,114.87	3,485.57	4,077.04	4,073.98	3.06	1,333.466		
600.00	600.00	537.00	536.96	1.93	1.83	58.77	2,114.18	3,486.57	4,077.56	4,073.81	3.75	1,086.392		
700.00	700.00	633.64	633.59	2.29	2.17	58.78	2,114.05	3,487.41	4,078.23	4,073.78	4.46	915.265		
800.00	800.00	778.08	778.03	2.64	2.67	58.77	2,114.74	3,487.13	4,078.29	4,072.99	5.31	768.302		
900.00	900.00	912.26	912.21	3.00	3.12	58.77	2,114.01	3,486.27	4,077.47	4,071.35	6.12	666.328		
1,000.00	1,000.00	995.82	995.76	3.36	3.40	58.77	2,113.51	3,485.48	4,076.36	4,069.59	6.76	602.771		
1,100.00	1,100.00	1,091.68	1,091.62	3.72	3.73	58.76	2,113.70	3,484.56	4,075.64	4,068.19	7.45	547.103		
1,200.00	1,199.98	1,211.05	1,210.98	4.07	4.14	7.69	2,113.73	3,483.21	4,072.97	4,064.75	8.22	495.717		
1,300.00	1,299.84	1,349.12	1,349.04	4.43	4.62	7.71	2,113.61	3,481.06	4,066.52	4,057.47	9.05	449.359		
1,400.00	1,399.45	1,420.08	1,419.96	4.79	4.87	7.74	2,113.69	3,479.25	4,055.86	4,046.20	9.65	420.179		
1,500.00	1,498.70	1,529.38	1,529.26	5.15	5.25	7.81	2,112.71	3,478.58	4,042.87	4,032.48	10.39	389.101		
1,600.00	1,597.47	1,843.20	1,841.75	5.53	6.37	8.29	2,085.58	3,477.24	4,021.62	4,009.78	11.84	339.682		
1,700.00	1,695.62	1,925.82	1,923.47	5.93	6.68	8.56	2,073.49	3,477.94	3,996.09	3,983.59	12.50	319.714		
1,800.00	1,793.06	2,038.04	2,034.03	6.35	7.11	8.97	2,054.36	3,480.22	3,967.05	3,953.78	13.28	298.818		
1,900.00	1,889.64	2,110.00	2,104.66	6.79	7.40	9.32	2,040.82	3,482.62	3,935.03	3,921.12	13.92	282.784		
2,000.00	1,985.27	2,170.76	2,164.21	7.27	7.65	9.67	2,029.08	3,485.28	3,900.47	3,885.95	14.52	268.606		
2,100.00	2,079.82	2,239.85	2,231.95	7.79	7.93	10.07	2,015.96	3,488.71	3,863.43	3,848.27	15.17	254.720		
2,200.00	2,173.17	2,352.22	2,342.29	8.36	8.40	10.68	1,995.32	3,494.13	3,823.61	3,807.62	15.99	239.139		
2,300.00	2,265.21	2,442.92	2,431.34	8.97	8.78	11.25	1,978.51	3,497.67	3,779.95	3,763.21	16.73	225.889		
2,400.00	2,355.84	2,588.40	2,574.20	9.64	9.41	12.13	1,951.51	3,502.62	3,733.09	3,715.39	17.70	210.904		
2,500.00	2,444.94	2,640.99	2,625.78	10.36	9.64	12.64	1,941.39	3,504.28	3,682.85	3,664.53	18.31	201.086		
2,591.69	2,525.19	2,689.20	2,673.12	11.07	9.85	13.15	1,932.44	3,506.05	3,634.94	3,616.05	18.88	192.483		
2,600.00	2,532.40	2,693.60	2,677.44	11.14	9.87	13.17	1,931.64	3,506.22	3,630.52	3,611.58	18.94	191.687		
2,700.00	2,619.15	2,746.89	2,729.85	11.96	10.10	13.46	1,922.19	3,508.43	3,577.77	3,558.21	19.57	182.861		
2,800.00	2,705.89	2,866.46	2,847.32	12.81	10.63	14.13	1,900.52	3,513.63	3,525.25	3,504.79	20.46	172.264		
2,900.00	2,792.64	2,938.00	2,917.62	13.67	10.95	14.54	1,887.55	3,516.40	3,472.50	3,451.31	21.19	163.869		
3,000.00	2,879.39	3,040.73	3,018.44	14.55	11.42	15.17	1,868.25	3,520.39	3,419.72	3,397.67	22.05	155.069		
3,100.00	2,966.14	3,095.57	3,072.16	15.44	11.67	15.52	1,857.55	3,522.76	3,367.19	3,344.45	22.75	148.027		
3,200.00	3,052.88	3,181.91	3,156.94	16.34	12.06	16.07	1,841.62	3,526.55	3,315.34	3,291.77	23.57	140.633		
3,300.00	3,139.63	3,270.14	3,243.56	17.25	12.46	16.64	1,825.20	3,529.84	3,263.14	3,238.72	24.42	133.639		
3,400.00	3,226.38	3,345.36	3,317.64	18.17	12.80	17.12	1,812.36	3,532.36	3,211.43	3,186.21	25.22	127.334		
3,500.00	3,313.12	3,450.26	3,420.84	19.09	13.28	17.83	1,793.84	3,535.71	3,159.63	3,133.48	26.14	120.851		
3,600.00	3,399.87	3,540.33	3,509.24	20.02	13.69	18.48	1,776.81	3,538.44	3,107.54	3,080.50	27.03	114.953		
3,700.00	3,486.62	3,603.00	3,570.92	20.96	13.98	18.92	1,765.85	3,540.02	3,055.82	3,027.99	27.83	109.790		
3,800.00	3,573.37	3,666.26	3,633.28	21.90	14.26	19.37	1,755.34	3,541.79	3,004.85	2,976.20	28.64	104.901		
3,900.00	3,660.11	3,735.25	3,701.24	22.84	14.57	19.88	1,743.75	3,544.38	2,954.76	2,925.26	29.49	100.184		
4,000.00	3,746.86	3,813.46	3,778.21	23.78	14.93	20.48	1,730.27	3,547.51	2,905.02	2,874.63	30.39	95.580		
4,100.00	3,833.61	3,879.76	3,843.38	24.73	15.24	21.01	1,718.46	3,550.59	2,855.92	2,824.65	31.27	91.323		
4,200.00	3,920.35	4,019.95	3,980.95	25.68	15.89	22.21	1,692.04	3,555.75	2,805.84	2,773.40	32.44	86.498		
4,300.00	4,007.10	4,075.00	4,035.25	26.63	16.14	22.66	1,683.10	3,557.13	2,756.27	2,722.97	33.31	82.753		
4,400.00	4,093.85	4,140.28	4,099.77	27.59	16.43	23.19	1,673.33	3,559.02	2,707.66	2,673.44	34.22	79.136		
4,500.00	4,180.60	4,282.79	4,240.27	28.55	17.07	24.45	1,649.90	3,563.15	2,659.13	2,623.73	35.40	75.110		
4,600.00	4,267.34	4,367.07	4,323.14	29.50	17.46	25.25	1,634.60	3,564.78	2,609.67	2,573.23	36.44	71.624		
4,700.00	4,354.09	4,432.88	4,387.71	30.46	17.77	25.91	1,622.07	3,566.41	2,560.84	2,523.39	37.44	68.397		
4,800.00	4,440.84	4,514.09	4,467.27	31.42	18.16	26.77	1,605.92	3,568.86	2,512.72	2,474.19	38.53	65.213		
4,900.00	4,527.58	4,613.77	4,564.90	32.39	18.64	27.87	1,586.02	3,571.46	2,464.81	2,425.10	39.71	62.063		
5,000.00	4,614.33	4,684.60	4,634.29	33.35	18.98	28.67	1,571.88	3,572.93	2,417.06	2,376.23	40.82	59.211		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,701.08	4,746.00	4,694.58	34.31	19.27	29.37	1,560.32	3,574.56	2,370.51	2,328.60	41.91	56.557		
5,200.00	4,787.82	4,818.96	4,766.37	35.28	19.61	30.20	1,547.50	3,576.66	2,324.97	2,281.91	43.06	53.991		
5,300.00	4,874.57	4,890.75	4,837.09	36.25	19.94	31.03	1,535.37	3,578.90	2,280.33	2,236.10	44.23	51.557		
5,400.00	4,961.32	4,974.33	4,919.36	37.21	20.33	32.04	1,520.94	3,581.81	2,236.54	2,191.07	45.47	49.186		
5,500.00	5,048.07	5,061.74	5,005.52	38.18	20.73	33.11	1,506.39	3,584.42	2,193.11	2,146.36	46.75	46.912		
5,600.00	5,134.81	5,137.86	5,080.69	39.15	21.07	34.04	1,494.69	3,586.52	2,150.33	2,102.33	48.01	44.792		
5,700.00	5,221.56	5,204.09	5,146.11	40.12	21.36	34.88	1,484.55	3,588.74	2,108.73	2,059.47	49.26	42.808		
5,800.00	5,308.31	5,272.55	5,213.69	41.09	21.67	35.78	1,473.94	3,591.54	2,068.45	2,017.90	50.55	40.916		
5,900.00	5,395.05	5,357.86	5,297.85	42.06	22.06	36.93	1,460.55	3,595.41	2,029.32	1,977.37	51.95	39.062		
6,000.00	5,481.80	5,455.14	5,393.85	43.03	22.49	38.29	1,445.31	3,599.24	1,990.53	1,937.10	53.43	37.257		
6,100.00	5,568.55	5,558.27	5,495.87	44.00	22.95	39.74	1,430.55	3,602.30	1,951.88	1,896.94	54.94	35.528		
6,200.00	5,655.30	5,635.38	5,572.11	44.97	23.29	40.88	1,419.13	3,604.13	1,913.63	1,857.23	56.40	33.929		
6,300.00	5,742.04	5,705.01	5,640.94	45.94	23.60	41.93	1,408.81	3,606.25	1,876.88	1,819.01	57.87	32.433		
6,400.00	5,828.79	5,777.74	5,712.80	46.92	23.92	43.07	1,397.88	3,608.90	1,841.65	1,782.26	59.39	31.011		
6,500.00	5,915.54	5,870.05	5,803.89	47.89	24.33	44.57	1,383.35	3,612.20	1,807.48	1,746.44	61.04	29.613		
6,600.00	6,002.28	5,953.61	5,886.47	48.86	24.70	45.95	1,370.91	3,614.99	1,774.24	1,711.57	62.67	28.310		
6,700.00	6,089.03	6,034.94	5,966.96	49.83	25.06	47.31	1,359.62	3,617.74	1,742.17	1,677.86	64.31	27.088		
6,800.00	6,175.78	6,111.80	6,042.94	50.81	25.40	48.65	1,348.30	3,620.42	1,711.51	1,645.53	65.98	25.940		
6,900.00	6,262.53	6,198.49	6,128.63	51.78	25.78	50.19	1,335.56	3,623.65	1,682.39	1,614.67	67.72	24.843		
7,000.00	6,349.27	6,288.60	6,217.93	52.76	26.17	51.79	1,323.93	3,626.71	1,654.12	1,584.64	69.48	23.807		
7,100.00	6,436.02	6,371.59	6,300.15	53.73	26.52	53.32	1,312.97	3,629.42	1,627.20	1,555.97	71.23	22.844		
7,200.00	6,522.77	6,459.49	6,387.29	54.71	26.89	54.96	1,301.79	3,632.31	1,601.69	1,528.66	73.02	21.934		
7,300.00	6,609.51	6,557.53	6,484.75	55.68	27.29	56.76	1,291.62	3,635.48	1,577.12	1,502.28	74.84	21.074		
7,400.00	6,696.26	6,659.11	6,585.85	56.66	27.69	58.65	1,282.15	3,638.04	1,553.19	1,476.53	76.66	20.261		
7,500.00	6,783.01	6,760.80	6,687.13	57.63	28.08	60.60	1,273.17	3,639.48	1,529.75	1,451.26	78.49	19.490		
7,600.00	6,869.76	6,858.52	6,784.59	58.61	28.45	62.47	1,266.22	3,640.47	1,507.03	1,426.75	80.28	18.773		
7,683.49	6,942.18	6,938.35	6,864.32	59.42	28.73	63.97	1,262.30	3,641.32	1,488.69	1,406.95	81.74	18.213		
7,700.00	6,956.57	6,953.73	6,879.69	59.58	28.78	61.49	1,261.70	3,641.51	1,485.03	1,403.01	82.02	18.106		
7,750.00	7,000.85	7,001.43	6,927.37	60.04	28.94	52.80	1,260.15	3,642.11	1,472.73	1,389.93	82.80	17.786		
7,800.00	7,045.94	7,049.94	6,975.85	60.46	29.10	42.33	1,258.95	3,642.77	1,458.55	1,375.07	83.48	17.471		
7,850.00	7,091.49	7,099.15	7,025.05	60.84	29.26	30.46	1,258.05	3,643.45	1,442.47	1,358.41	84.06	17.160		
7,900.00	7,137.15	7,145.14	7,071.03	61.17	29.41	17.89	1,257.49	3,644.16	1,424.56	1,340.05	84.51	16.856		
7,950.00	7,182.58	7,191.88	7,117.77	61.44	29.55	5.52	1,257.19	3,645.00	1,404.94	1,320.09	84.85	16.557		
8,000.00	7,227.43	7,249.69	7,175.57	61.67	29.72	-6.05	1,257.22	3,645.90	1,383.50	1,298.42	85.08	16.262		
8,050.00	7,271.36	7,309.60	7,235.46	61.84	29.89	-16.69	1,257.93	3,646.50	1,360.22	1,275.07	85.16	15.973		
8,100.00	7,314.04	7,371.80	7,297.58	61.96	30.05	-26.61	1,260.92	3,647.21	1,335.17	1,250.10	85.06	15.697		
8,150.00	7,355.14	7,508.89	7,433.13	62.04	30.33	-38.07	1,280.50	3,647.61	1,307.25	1,223.06	84.19	15.527		
8,200.00	7,394.34	7,710.85	7,622.31	62.07	30.55	-54.24	1,349.45	3,644.62	1,276.97	1,195.94	81.03	15.759		
8,250.00	7,431.36	7,744.21	7,651.36	62.06	30.57	-63.48	1,365.81	3,643.55	1,244.94	1,164.82	80.13	15.537		
8,300.00	7,465.90	7,768.35	7,671.76	62.01	30.57	-71.32	1,378.71	3,642.97	1,214.35	1,135.15	79.20	15.333		
8,350.00	7,497.71	7,780.63	7,681.89	61.93	30.58	-77.54	1,385.64	3,642.72	1,185.80	1,107.47	78.33	15.138		
8,400.00	7,526.53	7,782.34	7,683.29	61.81	30.58	-82.26	1,386.62	3,642.69	1,159.86	1,082.33	77.53	14.961		
8,450.00	7,552.17	7,777.77	7,679.55	61.66	30.58	-85.81	1,384.00	3,642.78	1,136.93	1,060.23	76.69	14.824		
8,500.00	7,574.41	7,769.23	7,672.49	61.48	30.57	-88.42	1,379.20	3,642.95	1,117.32	1,041.53	75.79	14.743		
8,550.00	7,593.09	7,758.07	7,663.15	61.29	30.57	-90.23	1,373.10	3,643.20	1,101.31	1,026.51	74.80	14.723 SF		
8,600.00	7,608.07	7,746.13	7,653.00	61.07	30.57	-91.41	1,366.80	3,643.50	1,089.09	1,015.38	73.71	14.775		
8,650.00	7,619.23	7,732.88	7,641.60	60.84	30.56	-91.97	1,360.07	3,643.88	1,080.79	1,008.22	72.57	14.893		
8,700.00	7,626.48	7,718.34	7,628.92	60.60	30.56	-91.94	1,352.98	3,644.35	1,076.48	1,005.05	71.43	15.071		
8,729.54	7,628.91	7,709.04	7,620.71	60.45	30.55	-91.64	1,348.61	3,644.68	1,075.79	1,005.03	70.77	15.202 CC, ES		
8,750.00	7,629.78	7,700.60	7,613.21	60.35	30.55	-91.24	1,344.75	3,644.99	1,076.11	1,005.76	70.35	15.296		
8,766.45	7,630.00	7,693.72	7,607.06	60.27	30.54	-90.86	1,341.68	3,645.24	1,076.83	1,006.80	70.03	15.378		
8,800.00	7,630.00	7,680.17	7,594.86	60.10	30.53	-90.21	1,335.80	3,645.74	1,079.12	1,009.75	69.38	15.555		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
8,900.00	7,630.00	7,629.42	7,548.24	59.61	30.49	-87.73	1,315.84	3,647.30	1,090.99	1,023.09	67.89	16.069		
9,000.00	7,630.00	7,589.34	7,510.58	59.15	30.45	-85.73	1,302.13	3,647.68	1,110.05	1,043.28	66.77	16.625		
9,100.00	7,630.00	7,567.00	7,489.30	58.71	30.42	-84.61	1,295.34	3,647.68	1,136.73	1,070.64	66.09	17.199		
9,200.00	7,630.00	7,545.63	7,468.78	58.30	30.39	-83.53	1,289.40	3,647.63	1,170.83	1,104.75	66.08	17.719		
9,300.00	7,630.00	7,530.58	7,454.23	57.91	30.37	-82.77	1,285.55	3,647.61	1,211.89	1,145.30	66.59	18.199		
9,400.00	7,630.00	7,520.00	7,443.95	57.54	30.35	-82.23	1,283.01	3,647.60	1,259.31	1,191.79	67.52	18.652		
9,500.00	7,630.00	7,506.77	7,431.07	57.19	30.33	-81.56	1,280.03	3,647.61	1,312.42	1,243.68	68.74	19.092		
9,600.00	7,630.00	7,497.08	7,421.59	56.87	30.31	-81.07	1,277.98	3,647.64	1,370.62	1,300.52	70.11	19.551		
9,700.00	7,630.00	7,488.38	7,413.07	56.57	30.30	-80.63	1,276.24	3,647.68	1,433.32	1,361.78	71.53	20.038		
9,800.00	7,630.00	7,473.00	7,397.96	56.30	30.27	-79.85	1,273.38	3,647.79	1,500.00	1,427.04	72.96	20.559		
9,900.00	7,630.00	7,473.00	7,397.96	56.05	30.27	-79.85	1,273.38	3,647.79	1,570.04	1,495.73	74.32	21.127		
10,000.00	7,630.00	7,464.30	7,389.39	55.82	30.25	-79.41	1,271.89	3,647.85	1,643.15	1,567.54	75.61	21.731		
10,100.00	7,630.00	7,455.93	7,381.13	55.63	30.24	-78.98	1,270.52	3,647.88	1,718.88	1,642.05	76.82	22.375		
10,200.00	7,630.00	7,448.36	7,373.66	55.46	30.22	-78.60	1,269.34	3,647.89	1,796.91	1,718.97	77.94	23.054		
10,300.00	7,630.00	7,441.49	7,366.86	55.32	30.21	-78.25	1,268.33	3,647.88	1,876.97	1,797.99	78.98	23.765		
10,400.00	7,630.00	7,426.00	7,351.51	55.22	30.18	-77.47	1,266.21	3,647.80	1,958.86	1,878.93	79.93	24.507		
10,500.00	7,630.00	7,426.00	7,351.51	55.15	30.18	-77.47	1,266.21	3,647.80	2,042.24	1,961.44	80.80	25.274		
10,600.00	7,630.00	7,426.00	7,351.51	55.14	30.18	-77.47	1,266.21	3,647.80	2,127.06	2,045.45	81.61	26.065		
10,700.00	7,630.00	7,426.00	7,351.51	55.18	30.18	-77.47	1,266.21	3,647.80	2,213.14	2,130.79	82.34	26.877		
10,800.00	7,630.00	7,426.00	7,351.51	55.28	30.18	-77.47	1,266.21	3,647.80	2,300.34	2,217.32	83.02	27.709		
10,900.00	7,630.00	7,426.00	7,351.51	55.47	30.18	-77.47	1,266.21	3,647.80	2,388.55	2,304.91	83.64	28.557		
11,000.00	7,630.00	7,409.88	7,335.51	55.74	30.14	-76.66	1,264.28	3,647.66	2,477.48	2,393.27	84.21	29.420		
11,100.00	7,630.00	7,406.81	7,332.46	56.11	30.13	-76.51	1,263.95	3,647.63	2,567.31	2,482.57	84.74	30.296		
11,200.00	7,630.00	7,403.94	7,329.60	56.60	30.13	-76.37	1,263.65	3,647.60	2,657.86	2,572.63	85.23	31.185		
11,300.00	7,630.00	7,401.24	7,326.91	57.20	30.12	-76.23	1,263.38	3,647.57	2,749.05	2,663.37	85.68	32.085		
11,400.00	7,630.00	7,398.69	7,324.39	57.91	30.11	-76.10	1,263.13	3,647.54	2,840.83	2,754.72	86.10	32.994		
11,500.00	7,630.00	7,396.30	7,322.00	58.72	30.11	-75.98	1,262.90	3,647.52	2,933.13	2,846.64	86.49	33.912		
11,600.00	7,630.00	7,379.00	7,304.77	59.63	30.07	-75.12	1,261.44	3,647.31	3,026.07	2,939.23	86.85	34.844		
11,700.00	7,630.00	7,379.00	7,304.77	60.61	30.07	-75.12	1,261.44	3,647.31	3,119.26	3,032.07	87.19	35.776		
11,800.00	7,630.00	7,379.00	7,304.77	61.67	30.07	-75.12	1,261.44	3,647.31	3,212.85	3,125.35	87.51	36.715		
11,900.00	7,630.00	7,379.00	7,304.77	62.78	30.07	-75.12	1,261.44	3,647.31	3,306.82	3,219.02	87.81	37.661		
12,000.00	7,630.00	7,379.00	7,304.77	63.95	30.07	-75.12	1,261.44	3,647.31	3,401.14	3,313.05	88.09	38.611		
12,100.00	7,630.00	7,379.00	7,304.77	65.16	30.07	-75.12	1,261.44	3,647.31	3,495.77	3,407.42	88.35	39.567		
12,200.00	7,630.00	7,379.00	7,304.77	66.41	30.07	-75.12	1,261.44	3,647.31	3,590.69	3,502.09	88.60	40.527		
12,300.00	7,630.00	7,379.00	7,304.77	67.68	30.07	-75.12	1,261.44	3,647.31	3,685.88	3,597.05	88.83	41.492		
12,400.00	7,630.00	7,379.00	7,304.77	68.99	30.07	-75.12	1,261.44	3,647.31	3,781.32	3,692.26	89.06	42.460		
12,500.00	7,630.00	7,379.00	7,304.77	70.33	30.07	-75.12	1,261.44	3,647.31	3,876.98	3,787.72	89.27	43.432		
12,600.00	7,630.00	7,379.00	7,304.77	71.68	30.07	-75.12	1,261.44	3,647.31	3,972.87	3,883.40	89.46	44.407		
12,700.00	7,630.00	7,379.00	7,304.77	73.06	30.07	-75.12	1,261.44	3,647.31	4,068.95	3,979.29	89.65	45.385		
12,800.00	7,630.00	7,379.00	7,304.77	74.45	30.07	-75.12	1,261.44	3,647.31	4,165.21	4,075.38	89.83	46.366		
12,900.00	7,630.00	7,379.00	7,304.77	75.87	30.07	-75.12	1,261.44	3,647.31	4,261.65	4,171.64	90.01	47.349		
13,000.00	7,630.00	7,379.00	7,304.77	77.29	30.07	-75.12	1,261.44	3,647.31	4,358.24	4,268.07	90.17	48.334		
13,100.00	7,630.00	7,379.00	7,304.77	78.74	30.07	-75.12	1,261.44	3,647.31	4,454.99	4,364.66	90.33	49.321		
13,200.00	7,630.00	7,379.00	7,304.77	80.19	30.07	-75.12	1,261.44	3,647.31	4,551.88	4,461.40	90.48	50.310		
13,300.00	7,630.00	7,379.00	7,304.77	81.66	30.07	-75.12	1,261.44	3,647.31	4,648.90	4,558.28	90.62	51.301		
13,400.00	7,630.00	7,379.00	7,304.77	83.14	30.07	-75.12	1,261.44	3,647.31	4,746.04	4,655.28	90.76	52.294		
13,500.00	7,630.00	7,379.00	7,304.77	84.63	30.07	-75.12	1,261.44	3,647.31	4,843.30	4,752.41	90.89	53.288		
13,600.00	7,630.00	7,379.00	7,304.77	86.14	30.07	-75.12	1,261.44	3,647.31	4,940.67	4,849.65	91.02	54.283		
13,700.00	7,630.00	7,379.00	7,304.77	87.65	30.07	-75.12	1,261.44	3,647.31	5,038.14	4,947.00	91.14	55.279		
13,800.00	7,630.00	7,379.00	7,304.77	89.17	30.07	-75.12	1,261.44	3,647.31	5,135.71	5,044.45	91.26	56.277		
13,900.00	7,630.00	7,379.00	7,304.77	90.70	30.07	-75.12	1,261.44	3,647.31	5,233.37	5,142.00	91.37	57.275		
14,000.00	7,630.00	7,379.00	7,304.77	92.24	30.07	-75.12	1,261.44	3,647.31	5,331.12	5,239.63	91.48	58.274		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	93.78	30.07	-75.12	1,261.44	3,647.31	5,428.95	5,337.36	91.59	59.275		
14,200.00	7,630.00	7,379.00	7,304.77	95.33	30.07	-75.12	1,261.44	3,647.31	5,526.85	5,435.16	91.69	60.275		
14,300.00	7,630.00	7,379.00	7,304.77	96.89	30.07	-75.12	1,261.44	3,647.31	5,624.84	5,533.04	91.79	61.277		
14,400.00	7,630.00	7,379.00	7,304.77	98.46	30.07	-75.12	1,261.44	3,647.31	5,722.89	5,630.99	91.89	62.279		
14,500.00	7,630.00	7,379.00	7,304.77	100.03	30.07	-75.12	1,261.44	3,647.31	5,821.00	5,729.02	91.99	63.281		
14,600.00	7,630.00	7,379.00	7,304.77	101.61	30.07	-75.12	1,261.44	3,647.31	5,919.18	5,827.10	92.08	64.284		
14,700.00	7,630.00	7,379.00	7,304.77	103.20	30.07	-75.12	1,261.44	3,647.31	6,017.42	5,925.25	92.17	65.287		
14,800.00	7,630.00	7,379.00	7,304.77	104.78	30.07	-75.12	1,261.44	3,647.31	6,115.72	6,023.46	92.26	66.291		
14,900.00	7,630.00	7,379.00	7,304.77	106.38	30.07	-75.12	1,261.44	3,647.31	6,214.07	6,121.73	92.34	67.294		
15,000.00	7,630.00	7,379.00	7,304.77	107.98	30.07	-75.12	1,261.44	3,647.31	6,312.48	6,220.05	92.43	68.298		
15,100.00	7,630.00	7,379.00	7,304.77	109.58	30.07	-75.12	1,261.44	3,647.31	6,410.93	6,318.42	92.51	69.302		
15,200.00	7,630.00	7,341.30	7,267.14	111.19	29.97	-73.26	1,259.13	3,646.84	6,508.84	6,416.28	92.55	70.326		
15,300.00	7,630.00	7,340.42	7,266.26	112.81	29.97	-73.22	1,259.09	3,646.83	6,607.35	6,514.72	92.63	71.331		
15,400.00	7,630.00	7,339.55	7,265.40	114.42	29.97	-73.18	1,259.04	3,646.82	6,705.92	6,613.21	92.71	72.336		
15,500.00	7,630.00	7,338.71	7,264.56	116.05	29.96	-73.14	1,259.00	3,646.81	6,804.52	6,711.74	92.78	73.341		
15,600.00	7,630.00	7,337.89	7,263.74	117.67	29.96	-73.10	1,258.97	3,646.80	6,903.16	6,810.31	92.85	74.346		
15,700.00	7,630.00	7,337.09	7,262.93	119.30	29.96	-73.06	1,258.93	3,646.79	7,001.84	6,908.92	92.92	75.350		
15,800.00	7,630.00	7,336.31	7,262.15	120.93	29.96	-73.02	1,258.89	3,646.78	7,100.56	7,007.57	92.99	76.355		
15,900.00	7,630.00	7,335.54	7,261.39	122.57	29.96	-72.98	1,258.86	3,646.78	7,199.31	7,106.25	93.06	77.359		
16,000.00	7,630.00	7,334.79	7,260.64	124.21	29.95	-72.94	1,258.83	3,646.77	7,298.10	7,204.97	93.13	78.363		
16,100.00	7,630.00	7,334.06	7,259.91	125.85	29.95	-72.91	1,258.79	3,646.76	7,396.91	7,303.72	93.20	79.367		
16,200.00	7,630.00	7,333.35	7,259.20	127.50	29.95	-72.87	1,258.76	3,646.75	7,495.76	7,402.50	93.26	80.371		
16,300.00	7,630.00	7,332.65	7,258.50	129.15	29.95	-72.84	1,258.73	3,646.74	7,594.64	7,501.31	93.33	81.374		
16,400.00	7,630.00	7,331.96	7,257.81	130.80	29.95	-72.81	1,258.70	3,646.74	7,693.55	7,600.15	93.39	82.377		
16,500.00	7,630.00	7,331.29	7,257.15	132.46	29.95	-72.77	1,258.68	3,646.73	7,792.48	7,699.03	93.46	83.380		
16,600.00	7,630.00	7,330.64	7,256.49	134.11	29.94	-72.74	1,258.65	3,646.72	7,891.44	7,797.92	93.52	84.382		
16,700.00	7,630.00	7,330.00	7,255.85	135.77	29.94	-72.71	1,258.62	3,646.71	7,990.43	7,896.85	93.58	85.384		
16,800.00	7,630.00	7,329.37	7,255.23	137.43	29.94	-72.68	1,258.60	3,646.71	8,089.44	7,995.80	93.64	86.385		
16,900.00	7,630.00	7,328.76	7,254.61	139.10	29.94	-72.65	1,258.57	3,646.70	8,188.48	8,094.77	93.71	87.386		
17,000.00	7,630.00	7,328.16	7,254.01	140.77	29.94	-72.62	1,258.55	3,646.69	8,287.53	8,193.77	93.77	88.386		
17,100.00	7,630.00	7,327.57	7,253.42	142.44	29.94	-72.59	1,258.53	3,646.69	8,386.61	8,292.79	93.83	89.386		
17,200.00	7,630.00	7,326.99	7,252.84	144.11	29.93	-72.57	1,258.50	3,646.68	8,485.72	8,391.83	93.88	90.385		
17,300.00	7,630.00	7,326.42	7,252.28	145.78	29.93	-72.54	1,258.48	3,646.68	8,584.84	8,490.89	93.94	91.383		
17,400.00	7,630.00	7,325.87	7,251.72	147.46	29.93	-72.51	1,258.46	3,646.67	8,683.98	8,589.98	94.00	92.381		
17,500.00	7,630.00	7,325.32	7,251.18	149.13	29.93	-72.48	1,258.44	3,646.66	8,783.14	8,689.08	94.06	93.379		
17,600.00	7,630.00	7,324.79	7,250.65	150.81	29.93	-72.46	1,258.42	3,646.66	8,882.32	8,788.20	94.12	94.375		
17,700.00	7,630.00	7,324.26	7,250.12	152.49	29.93	-72.43	1,258.40	3,646.65	8,981.52	8,887.34	94.17	95.371		
17,800.00	7,630.00	7,323.75	7,249.61	154.18	29.93	-72.41	1,258.38	3,646.65	9,080.73	8,986.50	94.23	96.367		
17,900.00	7,630.00	7,284.00	7,209.87	155.86	29.82	-70.50	1,257.47	3,646.26	9,180.57	9,086.33	94.25	97.410		
18,000.00	7,630.00	7,284.00	7,209.87	157.55	29.82	-70.50	1,257.47	3,646.26	9,279.80	9,185.50	94.30	98.404		
18,100.00	7,630.00	7,284.00	7,209.87	159.24	29.82	-70.50	1,257.47	3,646.26	9,379.05	9,284.69	94.36	99.397		
18,200.00	7,630.00	7,284.00	7,209.87	160.92	29.82	-70.50	1,257.47	3,646.26	9,478.32	9,383.90	94.42	100.389		
18,300.00	7,630.00	7,284.00	7,209.87	162.62	29.82	-70.50	1,257.47	3,646.26	9,577.60	9,483.12	94.47	101.381		
18,400.00	7,630.00	7,284.00	7,209.87	164.31	29.82	-70.50	1,257.47	3,646.26	9,676.89	9,582.36	94.53	102.372		
18,458.39	7,630.00	7,284.00	7,209.87	165.30	29.82	-70.50	1,257.47	3,646.26	9,734.88	9,640.32	94.56	102.950		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	58.31	2,112.75	3,421.62	4,021.53					
100.00	100.00	51.56	51.56	0.13	0.10	58.31	2,112.74	3,421.66	4,021.38	4,021.15	0.23	N/A		
200.00	200.00	125.46	125.46	0.49	0.36	58.31	2,112.65	3,422.20	4,021.94	4,021.09	0.85	4,710.166		
300.00	300.00	221.90	221.90	0.85	0.71	58.32	2,112.77	3,423.18	4,022.87	4,021.32	1.56	2,584.169		
400.00	400.00	309.83	309.82	1.21	1.02	58.32	2,113.24	3,424.05	4,023.99	4,021.76	2.23	1,805.136		
500.00	500.00	447.90	447.89	1.57	1.51	58.32	2,113.86	3,424.86	4,024.71	4,021.63	3.08	1,308.294		
600.00	600.00	532.86	532.84	1.93	1.81	58.31	2,114.62	3,424.95	4,025.26	4,021.52	3.73	1,078.171		
700.00	700.00	663.11	663.08	2.29	2.26	58.29	2,116.17	3,424.42	4,025.52	4,020.98	4.55	885.608		
800.00	800.00	775.11	775.07	2.64	2.65	58.27	2,116.76	3,423.76	4,025.29	4,020.00	5.29	760.838		
900.00	900.00	884.71	884.67	3.00	3.03	58.27	2,116.98	3,423.03	4,024.84	4,018.81	6.03	667.791		
1,000.00	1,000.00	982.65	982.60	3.36	3.36	58.26	2,117.01	3,422.30	4,024.21	4,017.49	6.72	598.637		
1,100.00	1,100.00	1,069.50	1,069.46	3.72	3.66	58.26	2,116.61	3,422.14	4,023.82	4,016.44	7.38	545.187		
1,200.00	1,199.98	1,996.91	1,987.51	4.07	7.12	7.47	2,049.16	3,341.24	4,004.06	3,993.21	10.85	368.927		
1,300.00	1,299.84	2,149.82	2,136.48	4.43	7.79	7.73	2,022.66	3,319.16	3,977.57	3,965.82	11.74	338.662		
1,400.00	1,399.45	2,201.00	2,186.29	4.79	8.03	7.88	2,013.54	3,311.74	3,947.61	3,935.31	12.30	320.953		
1,500.00	1,498.70	2,269.83	2,253.41	5.15	8.34	8.08	2,001.60	3,302.25	3,915.18	3,902.26	12.91	303.174		
1,600.00	1,597.47	2,390.20	2,370.91	5.53	8.89	8.37	1,981.01	3,286.17	3,880.00	3,866.30	13.70	283.194		
1,700.00	1,695.62	1,700.00	2,542.75	5.93	5.68	8.81	1,948.98	3,259.34	3,839.29	3,828.07	11.22	342.034		
1,800.00	1,793.06	2,627.69	2,601.58	6.35	10.04	9.08	1,937.91	3,249.72	3,795.29	3,780.02	15.27	248.611		
1,900.00	1,889.64	2,672.88	2,645.58	6.79	10.26	9.33	1,930.24	3,242.85	3,749.27	3,733.47	15.80	237.255		
2,000.00	1,985.27	2,717.83	2,689.48	7.27	10.48	9.60	1,923.11	3,236.30	3,701.24	3,684.90	16.34	226.529		
2,100.00	2,079.82	2,761.00	2,731.75	7.79	10.69	9.88	1,916.75	3,230.27	3,651.21	3,634.34	16.87	216.428		
2,200.00	2,173.17	2,825.76	2,795.27	8.36	10.99	10.24	1,907.41	3,221.72	3,598.98	3,581.50	17.47	205.976		
2,300.00	2,265.21	2,960.21	2,926.99	8.97	11.63	10.85	1,886.61	3,204.66	3,543.93	3,525.63	18.30	193.664		
2,400.00	2,355.84	3,025.73	2,991.02	9.64	11.95	11.35	1,875.46	3,196.41	3,485.37	3,466.46	18.91	184.305		
2,500.00	2,444.94	3,216.83	3,177.05	10.36	12.91	12.43	1,840.79	3,169.85	3,422.57	3,402.66	19.91	171.911		
2,591.69	2,525.19	3,297.12	3,254.94	11.07	13.32	13.14	1,825.86	3,157.35	3,361.78	3,341.25	20.53	163.762		
2,600.00	2,532.40	3,303.98	3,261.60	11.14	13.36	13.18	1,824.59	3,156.27	3,356.17	3,335.58	20.59	163.023		
2,700.00	2,619.15	2,700.00	3,361.72	11.96	10.19	13.67	1,805.22	3,139.17	3,288.01	3,269.59	18.42	178.534		
2,800.00	2,705.89	3,465.12	3,417.59	12.81	14.21	13.95	1,794.49	3,129.34	3,219.81	3,197.91	21.89	147.077		
2,900.00	2,792.64	3,515.00	3,466.03	13.67	14.47	14.19	1,785.72	3,121.31	3,152.49	3,130.02	22.48	140.260		
3,000.00	2,879.39	3,625.95	3,573.63	14.55	15.05	14.79	1,765.18	3,103.68	3,085.28	3,062.06	23.23	132.825		
3,100.00	2,966.14	3,655.61	3,602.40	15.44	15.21	14.96	1,759.65	3,099.06	3,017.94	2,994.15	23.79	126.863		
3,200.00	3,052.88	3,704.00	3,649.43	16.34	15.46	15.23	1,750.95	3,091.75	2,951.42	2,927.01	24.41	120.911		
3,300.00	3,139.63	3,786.67	3,729.82	17.25	15.89	15.72	1,736.11	3,079.47	2,885.22	2,860.09	25.12	114.845		
3,400.00	3,226.38	3,844.57	3,786.08	18.17	16.19	16.09	1,725.36	3,070.94	2,818.99	2,793.20	25.79	109.293		
3,500.00	3,313.12	3,898.27	3,838.31	19.09	16.47	16.45	1,715.41	3,063.44	2,753.39	2,726.93	26.47	104.025		
3,600.00	3,399.87	3,954.77	3,893.37	20.02	16.76	16.83	1,705.28	3,055.79	2,688.41	2,661.24	27.16	98.970		
3,700.00	3,486.62	4,017.13	3,954.25	20.96	17.08	17.26	1,694.70	3,047.46	2,623.98	2,596.10	27.88	94.106		
3,800.00	3,573.37	4,086.63	4,022.19	21.90	17.43	17.74	1,683.39	3,038.12	2,559.89	2,531.26	28.63	89.421		
3,900.00	3,660.11	4,157.99	4,092.03	22.84	17.78	18.24	1,672.42	3,028.35	2,496.05	2,466.67	29.38	84.947		
4,000.00	3,746.86	4,297.51	4,228.27	23.78	18.49	19.25	1,651.23	3,007.12	2,431.31	2,401.07	30.24	80.403		
4,100.00	3,833.61	4,379.51	4,308.12	24.73	18.92	19.88	1,638.35	2,993.62	2,365.75	2,334.73	31.02	76.253		
4,200.00	3,920.35	4,509.32	4,434.11	25.68	19.61	20.99	1,616.95	2,970.85	2,299.44	2,267.58	31.86	72.170		
4,300.00	4,007.10	4,591.29	4,513.17	26.63	20.07	21.78	1,601.79	2,955.42	2,231.71	2,199.03	32.68	68.291		
4,400.00	4,093.85	4,647.00	4,567.01	27.59	20.38	22.34	1,591.76	2,945.18	2,164.64	2,131.14	33.51	64.606		
4,500.00	4,180.60	4,722.47	4,639.96	28.55	20.80	23.15	1,578.05	2,931.54	2,097.98	2,063.62	34.37	61.048		
4,600.00	4,267.34	4,774.81	4,690.52	29.50	21.08	23.75	1,568.21	2,922.26	2,031.64	1,996.39	35.25	57.632		
4,700.00	4,354.09	4,819.39	4,733.74	30.46	21.33	24.28	1,560.17	2,914.84	1,966.51	1,930.34	36.17	54.371		
4,800.00	4,440.84	4,919.94	4,831.29	31.42	21.87	25.55	1,542.19	2,898.41	1,902.01	1,864.89	37.12	51.236		
4,900.00	4,527.58	5,039.20	4,946.07	32.39	22.55	27.26	1,518.39	2,876.50	1,835.68	1,797.57	38.11	48.166		
5,000.00	4,614.33	5,092.55	4,997.31	33.35	22.86	28.10	1,507.38	2,866.51	1,769.50	1,730.33	39.17	45.176		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,701.08	5,144.37	5,047.21	34.31	23.16	28.95	1,496.93	2,857.23	1,704.43	1,664.15	40.28	42.316		
5,200.00	4,787.82	5,194.69	5,095.74	35.28	23.44	29.83	1,486.59	2,848.89	1,640.70	1,599.25	41.45	39.581		
5,300.00	4,874.57	5,266.74	5,165.26	36.25	23.85	31.19	1,471.33	2,837.70	1,578.15	1,535.46	42.70	36.963		
5,400.00	4,961.32	5,334.32	5,230.36	37.21	24.23	32.57	1,456.66	2,827.01	1,516.00	1,471.98	44.02	34.440		
5,500.00	5,048.07	5,387.79	5,282.03	38.18	24.53	33.70	1,445.50	2,818.96	1,455.31	1,409.89	45.42	32.042		
5,600.00	5,134.81	5,467.75	5,359.42	39.15	24.97	35.50	1,429.17	2,807.27	1,395.87	1,348.96	46.90	29.762		
5,700.00	5,221.56	5,541.64	5,430.78	40.12	25.38	37.29	1,413.64	2,796.01	1,336.85	1,288.36	48.49	27.568		
5,800.00	5,308.31	5,608.86	5,495.81	41.09	25.76	39.02	1,399.99	2,785.81	1,279.10	1,228.91	50.19	25.486		
5,900.00	5,395.05	5,674.46	5,559.34	42.06	26.12	40.80	1,386.85	2,776.13	1,222.91	1,170.91	52.00	23.517		
6,000.00	5,481.80	5,746.33	5,629.02	43.03	26.51	42.88	1,372.64	2,765.72	1,168.37	1,114.43	53.94	21.660		
6,100.00	5,568.55	5,827.44	5,707.74	44.00	26.95	45.37	1,357.20	2,753.72	1,115.23	1,059.23	56.01	19.913		
6,200.00	5,655.30	5,905.40	5,783.42	44.97	27.37	47.91	1,343.12	2,741.39	1,063.14	1,004.94	58.20	18.267		
6,300.00	5,742.04	5,973.48	5,849.65	45.94	27.74	50.24	1,331.48	2,730.75	1,013.19	952.65	60.54	16.737		
6,400.00	5,828.79	6,041.23	5,915.51	46.92	28.10	52.74	1,319.40	2,720.46	965.86	902.81	63.04	15.320		
6,500.00	5,915.54	6,102.73	5,975.23	47.89	28.43	55.18	1,307.78	2,711.53	921.80	856.09	65.71	14.029		
6,600.00	6,002.28	6,164.00	6,035.08	48.86	28.74	57.66	1,297.24	2,703.69	881.86	813.42	68.44	12.886		
6,700.00	6,089.03	6,227.42	6,097.37	49.83	29.05	60.27	1,287.54	2,696.78	846.32	775.14	71.18	11.890		
6,800.00	6,175.78	6,300.13	6,169.10	50.81	29.38	63.31	1,277.71	2,690.12	815.19	741.26	73.92	11.027		
6,900.00	6,262.53	6,383.94	6,251.93	51.78	29.75	66.92	1,267.25	2,682.74	787.79	711.12	76.67	10.275		
7,000.00	6,349.27	6,469.70	6,336.80	52.76	30.12	70.72	1,257.97	2,674.65	763.38	684.05	79.33	9.623		
7,100.00	6,436.02	6,545.78	6,412.35	53.73	30.43	74.10	1,251.53	2,668.52	743.24	661.46	81.78	9.089		
7,200.00	6,522.77	6,623.17	6,489.39	54.71	30.72	77.53	1,246.16	2,663.55	727.74	643.74	84.00	8.664		
7,300.00	6,609.51	6,711.43	6,577.37	55.68	31.04	81.46	1,241.11	2,658.62	716.41	630.42	85.99	8.331		
7,400.00	6,696.26	6,796.64	6,662.37	56.66	31.34	85.26	1,237.29	2,654.02	708.80	621.11	87.69	8.083		
7,500.00	6,783.01	6,883.63	6,749.20	57.63	31.63	89.12	1,234.26	2,649.84	705.20	616.12	89.08	7.917		
7,547.23	6,823.98	6,925.69	6,791.22	58.09	31.77	90.96	1,233.32	2,648.14	704.79	615.16	89.63	7.863		
7,600.00	6,869.76	6,970.48	6,835.97	58.61	31.91	92.89	1,232.52	2,646.52	705.33	615.18	90.15	7.824		
7,683.49	6,942.18	7,042.17	6,907.62	59.42	32.13	95.95	1,231.57	2,644.22	708.35	617.55	90.80	7.801		
7,700.00	6,956.57	7,056.31	6,921.75	59.58	32.17	94.14	1,231.40	2,643.78	709.06	618.15	90.91	7.800		
7,750.00	7,000.85	7,099.89	6,965.32	60.04	32.31	87.51	1,230.87	2,642.44	709.22	618.04	91.18	7.778		
7,800.00	7,045.94	7,140.63	7,006.03	60.46	32.43	79.07	1,230.34	2,641.30	706.40	615.02	91.38	7.730		
7,850.00	7,091.49	7,181.84	7,047.23	60.84	32.56	69.36	1,229.68	2,640.40	700.58	609.05	91.53	7.654		
7,900.00	7,137.15	7,226.69	7,092.06	61.17	32.69	59.25	1,228.91	2,639.72	691.57	599.93	91.64	7.547		
7,950.00	7,182.58	7,273.51	7,138.88	61.44	32.83	49.57	1,228.36	2,639.39	679.05	587.32	91.73	7.402		
8,000.00	7,227.43	7,322.59	7,187.96	61.67	32.97	40.98	1,228.10	2,639.35	662.88	571.07	91.81	7.220		
8,050.00	7,271.36	7,371.94	7,237.31	61.84	33.10	33.70	1,228.22	2,639.20	642.87	551.01	91.86	6.998		
8,100.00	7,314.04	7,480.18	7,345.29	61.96	33.35	29.11	1,234.41	2,639.58	617.87	526.22	91.66	6.741		
8,150.00	7,355.14	7,561.59	7,408.29	62.04	33.57	30.45	1,327.63	2,637.67	578.41	495.84	82.56	7.006		
8,200.00	7,394.34	7,619.87	7,456.68	62.07	33.54	26.39	1,360.00	2,635.60	531.74	452.03	79.71	6.671		
8,250.00	7,431.36	7,654.78	7,484.28	62.06	33.52	19.49	1,381.36	2,634.90	482.98	405.25	77.73	6.213		
8,300.00	7,465.90	7,697.59	7,523.11	62.01	33.46	-131.17	1,417.10	2,634.55	433.08	360.30	72.77	5.951		
8,350.00	7,497.71	7,788.49	7,559.56	61.93	33.48	-132.28	1,403.65	2,634.64	383.20	308.43	74.77	5.125		
8,400.00	7,526.53	7,868.78	7,634.99	61.81	33.50	-131.49	1,390.38	2,634.77	333.57	256.73	76.84	4.341		
8,450.00	7,552.17	7,852.37	7,682.41	61.66	33.52	-131.74	1,379.83	2,634.93	284.40	205.95	78.46	3.625		
8,500.00	7,574.41	7,837.42	7,670.70	61.48	33.53	-131.42	1,370.54	2,635.17	236.13	156.39	79.74	2.961		
8,550.00	7,593.09	7,820.09	7,656.86	61.29	33.54	-128.55	1,360.13	2,635.60	189.30	107.99	81.31	2.328		
8,600.00	7,608.07	7,801.12	7,641.39	61.07	33.55	-123.26	1,349.16	2,636.23	144.86	61.83	83.03	1.745		
8,650.00	7,619.23	7,780.65	7,624.39	60.84	33.56	-114.95	1,337.79	2,636.96	105.06	20.88	84.18	1.248 Level 2		
8,700.00	7,626.48	7,758.90	7,605.99	60.60	33.57	-102.77	1,326.22	2,637.77	75.92	-4.69	80.61	0.942 Level 1, ES, SF		
8,735.16	7,629.22	7,742.84	7,592.20	60.42	33.57	-91.66	1,318.02	2,638.35	68.62	-2.81	71.43	0.961 Level 1, CC		
8,750.00	7,629.78	7,735.93	7,586.22	60.35	33.57	-86.46	1,314.57	2,638.59	69.95	2.67	67.28	1.040 Level 2		
8,766.45	7,630.00	7,728.20	7,579.48	60.27	33.57	-80.48	1,310.78	2,638.85	74.29	10.11	64.17	1.158 Level 2		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference 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: 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		
8,800.00	7,630.00	7,712.87	7,566.02	60.10	33.57	-70.17	1,303.47	2,639.34	90.09	26.96	63.13	1.427	Level 3	
8,900.00	7,630.00	7,673.43	7,530.68	59.61	33.56	-49.38	1,285.98	2,640.33	163.25	92.91	70.34	2.321		
9,000.00	7,630.00	7,642.68	7,502.46	59.15	33.54	-38.65	1,273.80	2,640.78	249.49	174.36	75.12	3.321		
9,100.00	7,630.00	7,622.00	7,483.15	58.71	33.53	-33.34	1,266.41	2,640.91	340.29	262.17	78.12	4.356		
9,200.00	7,630.00	7,599.56	7,461.90	58.30	33.51	-28.81	1,259.18	2,640.94	433.44	353.68	79.76	5.434		
9,300.00	7,630.00	7,584.16	7,447.15	57.91	33.50	-26.27	1,254.74	2,640.92	528.14	447.12	81.02	6.519		
9,400.00	7,630.00	7,575.00	7,438.33	57.54	33.49	-24.94	1,252.30	2,640.89	623.89	541.89	82.00	7.608		
9,500.00	7,630.00	7,559.17	7,422.99	57.19	33.47	-22.88	1,248.41	2,640.81	720.32	637.74	82.57	8.723		
9,600.00	7,630.00	7,548.95	7,413.03	56.87	33.45	-21.70	1,246.10	2,640.71	817.31	734.22	83.09	9.837		
9,700.00	7,630.00	7,540.03	7,404.31	56.57	33.44	-20.75	1,244.22	2,640.61	914.71	831.22	83.49	10.955		
9,800.00	7,630.00	7,528.00	7,392.51	56.30	33.43	-19.57	1,241.89	2,640.43	1,012.48	928.70	83.78	12.085		
9,900.00	7,630.00	7,528.00	7,392.51	56.05	33.43	-19.57	1,241.89	2,640.43	1,110.49	1,026.37	84.12	13.201		
10,000.00	7,630.00	7,528.00	7,392.51	55.82	33.43	-19.57	1,241.89	2,640.43	1,208.82	1,124.44	84.38	14.325		
10,100.00	7,630.00	7,510.67	7,375.45	55.63	33.40	-18.06	1,238.86	2,640.14	1,307.11	1,222.62	84.49	15.470		
10,200.00	7,630.00	7,504.56	7,369.42	55.46	33.39	-17.57	1,237.88	2,640.03	1,405.67	1,321.02	84.65	16.605		
10,300.00	7,630.00	7,498.98	7,363.90	55.32	33.38	-17.15	1,237.02	2,639.93	1,504.35	1,419.56	84.79	17.742		
10,400.00	7,630.00	7,481.00	7,346.11	55.22	33.35	-15.90	1,234.52	2,639.59	1,603.30	1,518.45	84.85	18.895		
10,500.00	7,630.00	7,481.00	7,346.11	55.15	33.35	-15.90	1,234.52	2,639.59	1,702.11	1,617.12	84.98	20.029		
10,600.00	7,630.00	7,481.00	7,346.11	55.14	33.35	-15.90	1,234.52	2,639.59	1,801.04	1,715.95	85.10	21.165		
10,700.00	7,630.00	7,481.00	7,346.11	55.18	33.35	-15.90	1,234.52	2,639.59	1,900.09	1,814.90	85.20	22.303		
10,800.00	7,630.00	7,481.00	7,346.11	55.28	33.35	-15.90	1,234.52	2,639.59	1,999.24	1,913.95	85.28	23.443		
10,900.00	7,630.00	7,481.00	7,346.11	55.47	33.35	-15.90	1,234.52	2,639.59	2,098.46	2,013.10	85.36	24.584		
11,000.00	7,630.00	7,481.00	7,346.11	55.74	33.35	-15.90	1,234.52	2,639.59	2,197.75	2,112.33	85.43	25.727		
11,100.00	7,630.00	7,481.00	7,346.11	56.11	33.35	-15.90	1,234.52	2,639.59	2,297.11	2,211.62	85.49	26.871		
11,200.00	7,630.00	7,481.00	7,346.11	56.60	33.35	-15.90	1,234.52	2,639.59	2,396.52	2,310.98	85.54	28.015		
11,300.00	7,630.00	7,481.00	7,346.11	57.20	33.35	-15.90	1,234.52	2,639.59	2,495.98	2,410.38	85.59	29.161		
11,400.00	7,630.00	7,461.67	7,326.90	57.91	33.31	-14.73	1,232.29	2,639.28	2,595.13	2,509.53	85.61	30.315		
11,500.00	7,630.00	7,459.58	7,324.82	58.72	33.30	-14.62	1,232.08	2,639.26	2,694.60	2,608.95	85.65	31.461		
11,600.00	7,630.00	7,457.61	7,322.86	59.63	33.30	-14.51	1,231.89	2,639.23	2,794.09	2,708.40	85.69	32.607		
11,700.00	7,630.00	7,455.74	7,321.01	60.61	33.30	-14.41	1,231.72	2,639.21	2,893.61	2,807.88	85.73	33.754		
11,800.00	7,630.00	7,453.98	7,319.25	61.67	33.29	-14.32	1,231.55	2,639.19	2,993.16	2,907.40	85.76	34.901		
11,900.00	7,630.00	7,452.31	7,317.59	62.78	33.29	-14.23	1,231.40	2,639.18	3,092.73	3,006.93	85.80	36.047		
12,000.00	7,630.00	7,433.00	7,298.33	63.95	33.25	-13.31	1,229.97	2,639.06	3,192.60	3,106.79	85.81	37.207		
12,100.00	7,630.00	7,433.00	7,298.33	65.16	33.25	-13.31	1,229.97	2,639.06	3,292.17	3,206.33	85.84	38.352		
12,200.00	7,630.00	7,433.00	7,298.33	66.41	33.25	-13.31	1,229.97	2,639.06	3,391.76	3,305.89	85.87	39.497		
12,300.00	7,630.00	7,433.00	7,298.33	67.68	33.25	-13.31	1,229.97	2,639.06	3,491.38	3,405.47	85.91	40.642		
12,400.00	7,630.00	7,433.00	7,298.33	68.99	33.25	-13.31	1,229.97	2,639.06	3,591.02	3,505.08	85.94	41.787		
12,500.00	7,630.00	7,433.00	7,298.33	70.33	33.25	-13.31	1,229.97	2,639.06	3,690.67	3,604.71	85.97	42.932		
12,600.00	7,630.00	7,433.00	7,298.33	71.68	33.25	-13.31	1,229.97	2,639.06	3,790.35	3,704.36	85.99	44.077		
12,700.00	7,630.00	7,433.00	7,298.33	73.06	33.25	-13.31	1,229.97	2,639.06	3,890.04	3,804.02	86.02	45.221		
12,800.00	7,630.00	7,433.00	7,298.33	74.45	33.25	-13.31	1,229.97	2,639.06	3,989.75	3,903.70	86.05	46.366		
12,900.00	7,630.00	7,433.00	7,298.33	75.87	33.25	-13.31	1,229.97	2,639.06	4,089.47	4,003.40	86.08	47.510		
13,000.00	7,630.00	7,433.00	7,298.33	77.29	33.25	-13.31	1,229.97	2,639.06	4,189.21	4,103.11	86.10	48.654		
13,100.00	7,630.00	7,433.00	7,298.33	78.74	33.25	-13.31	1,229.97	2,639.06	4,288.96	4,202.83	86.13	49.797		
13,200.00	7,630.00	7,433.00	7,298.33	80.19	33.25	-13.31	1,229.97	2,639.06	4,388.72	4,302.56	86.15	50.940		
13,300.00	7,630.00	7,433.00	7,298.33	81.66	33.25	-13.31	1,229.97	2,639.06	4,488.49	4,402.31	86.18	52.083		
13,400.00	7,630.00	7,433.00	7,298.33	83.14	33.25	-13.31	1,229.97	2,639.06	4,588.27	4,502.06	86.21	53.225		
13,500.00	7,630.00	7,433.00	7,298.33	84.63	33.25	-13.31	1,229.97	2,639.06	4,688.06	4,601.83	86.23	54.367		
13,600.00	7,630.00	7,433.00	7,298.33	86.14	33.25	-13.31	1,229.97	2,639.06	4,787.86	4,701.60	86.26	55.508		
13,700.00	7,630.00	7,433.00	7,298.33	87.65	33.25	-13.31	1,229.97	2,639.06	4,887.66	4,801.38	86.28	56.648		
13,800.00	7,630.00	7,433.00	7,298.33	89.17	33.25	-13.31	1,229.97	2,639.06	4,987.48	4,901.17	86.31	57.788		
13,900.00	7,630.00	7,433.00	7,298.33	90.70	33.25	-13.31	1,229.97	2,639.06	5,087.30	5,000.97	86.33	58.928		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
14,000.00	7,630.00	7,433.00	7,298.33	92.24	33.25	-13.31	1,229.97	2,639.06	5,187.13	5,100.77	86.36	60.066		
14,100.00	7,630.00	7,433.00	7,298.33	93.78	33.25	-13.31	1,229.97	2,639.06	5,286.96	5,200.58	86.38	61.204		
14,200.00	7,630.00	7,433.00	7,298.33	95.33	33.25	-13.31	1,229.97	2,639.06	5,386.80	5,300.40	86.41	62.342		
14,300.00	7,630.00	7,433.00	7,298.33	96.89	33.25	-13.31	1,229.97	2,639.06	5,486.65	5,400.22	86.43	63.478		
14,400.00	7,630.00	7,433.00	7,298.33	98.46	33.25	-13.31	1,229.97	2,639.06	5,586.50	5,500.04	86.46	64.614		
14,500.00	7,630.00	7,433.00	7,298.33	100.03	33.25	-13.31	1,229.97	2,639.06	5,686.36	5,599.87	86.48	65.750		
14,600.00	7,630.00	7,433.00	7,298.33	101.61	33.25	-13.31	1,229.97	2,639.06	5,786.22	5,699.71	86.51	66.884		
14,700.00	7,630.00	7,433.00	7,298.33	103.20	33.25	-13.31	1,229.97	2,639.06	5,886.09	5,799.55	86.54	68.018		
14,800.00	7,630.00	7,433.00	7,298.33	104.78	33.25	-13.31	1,229.97	2,639.06	5,985.96	5,899.40	86.56	69.151		
14,900.00	7,630.00	7,433.00	7,298.33	106.38	33.25	-13.31	1,229.97	2,639.06	6,085.84	5,999.25	86.59	70.283		
15,000.00	7,630.00	7,433.00	7,298.33	107.98	33.25	-13.31	1,229.97	2,639.06	6,185.72	6,099.10	86.62	71.414		
15,100.00	7,630.00	7,433.00	7,298.33	109.58	33.25	-13.31	1,229.97	2,639.06	6,285.60	6,198.95	86.65	72.544		
15,200.00	7,630.00	7,433.00	7,298.33	111.19	33.25	-13.31	1,229.97	2,639.06	6,385.49	6,298.81	86.67	73.673		
15,300.00	7,630.00	7,433.00	7,298.33	112.81	33.25	-13.31	1,229.97	2,639.06	6,485.38	6,398.68	86.70	74.802		
15,400.00	7,630.00	7,433.00	7,298.33	114.42	33.25	-13.31	1,229.97	2,639.06	6,585.27	6,498.54	86.73	75.929		
15,500.00	7,630.00	7,433.00	7,298.33	116.05	33.25	-13.31	1,229.97	2,639.06	6,685.17	6,598.41	86.76	77.056		
15,600.00	7,630.00	7,433.00	7,298.33	117.67	33.25	-13.31	1,229.97	2,639.06	6,785.07	6,698.28	86.79	78.181		
15,700.00	7,630.00	7,433.00	7,298.33	119.30	33.25	-13.31	1,229.97	2,639.06	6,884.97	6,798.16	86.82	79.306		
15,800.00	7,630.00	7,433.00	7,298.33	120.93	33.25	-13.31	1,229.97	2,639.06	6,984.88	6,898.03	86.84	80.430		
15,900.00	7,630.00	7,433.00	7,298.33	122.57	33.25	-13.31	1,229.97	2,639.06	7,084.79	6,997.91	86.87	81.552		
16,000.00	7,630.00	7,433.00	7,298.33	124.21	33.25	-13.31	1,229.97	2,639.06	7,184.70	7,097.79	86.90	82.674		
16,100.00	7,630.00	7,433.00	7,298.33	125.85	33.25	-13.31	1,229.97	2,639.06	7,284.61	7,197.68	86.93	83.794		
16,200.00	7,630.00	7,433.00	7,298.33	127.50	33.25	-13.31	1,229.97	2,639.06	7,384.53	7,297.56	86.97	84.913		
16,300.00	7,630.00	7,433.00	7,298.33	129.15	33.25	-13.31	1,229.97	2,639.06	7,484.45	7,397.45	87.00	86.032		
16,400.00	7,630.00	7,433.00	7,298.33	130.80	33.25	-13.31	1,229.97	2,639.06	7,584.37	7,497.34	87.03	87.149		
16,500.00	7,630.00	7,433.00	7,298.33	132.46	33.25	-13.31	1,229.97	2,639.06	7,684.29	7,597.23	87.06	88.265		
16,600.00	7,630.00	7,433.00	7,298.33	134.11	33.25	-13.31	1,229.97	2,639.06	7,784.21	7,697.12	87.09	89.379		
16,700.00	7,630.00	7,433.00	7,298.33	135.77	33.25	-13.31	1,229.97	2,639.06	7,884.14	7,797.01	87.12	90.493		
16,800.00	7,630.00	7,433.00	7,298.33	137.43	33.25	-13.31	1,229.97	2,639.06	7,984.07	7,896.91	87.16	91.605		
16,900.00	7,630.00	7,433.00	7,298.33	139.10	33.25	-13.31	1,229.97	2,639.06	8,084.00	7,996.81	87.19	92.717		
17,000.00	7,630.00	7,433.00	7,298.33	140.77	33.25	-13.31	1,229.97	2,639.06	8,183.93	8,096.70	87.22	93.827		
17,100.00	7,630.00	7,433.00	7,298.33	142.44	33.25	-13.31	1,229.97	2,639.06	8,283.86	8,196.60	87.26	94.936		
17,200.00	7,630.00	7,411.90	7,277.26	144.11	33.20	-12.44	1,228.93	2,639.04	8,383.52	8,296.24	87.28	96.053		
17,300.00	7,630.00	7,411.54	7,276.90	145.78	33.20	-12.43	1,228.92	2,639.04	8,483.45	8,396.14	87.31	97.160		
17,400.00	7,630.00	7,411.19	7,276.55	147.46	33.20	-12.41	1,228.90	2,639.04	8,583.38	8,496.03	87.35	98.265		
17,500.00	7,630.00	7,410.84	7,276.21	149.13	33.20	-12.40	1,228.89	2,639.04	8,683.31	8,595.92	87.38	99.369		
17,600.00	7,630.00	7,410.51	7,275.87	150.81	33.20	-12.39	1,228.88	2,639.04	8,783.24	8,695.82	87.42	100.471		
17,700.00	7,630.00	7,410.18	7,275.54	152.49	33.20	-12.38	1,228.87	2,639.04	8,883.17	8,795.72	87.46	101.573		
17,800.00	7,630.00	7,409.85	7,275.22	154.18	33.20	-12.36	1,228.85	2,639.04	8,983.11	8,895.62	87.49	102.673		
17,900.00	7,630.00	7,409.54	7,274.90	155.86	33.19	-12.35	1,228.84	2,639.05	9,083.04	8,995.52	87.53	103.771		
18,000.00	7,630.00	7,409.23	7,274.59	157.55	33.19	-12.34	1,228.83	2,639.05	9,182.98	9,095.42	87.57	104.869		
18,100.00	7,630.00	7,408.92	7,274.28	159.24	33.19	-12.33	1,228.82	2,639.05	9,282.92	9,195.32	87.60	105.965		
18,200.00	7,630.00	7,408.62	7,273.99	160.92	33.19	-12.32	1,228.81	2,639.05	9,382.86	9,295.22	87.64	107.059		
18,300.00	7,630.00	7,408.33	7,273.69	162.62	33.19	-12.31	1,228.80	2,639.05	9,482.80	9,395.12	87.68	108.152		
18,400.00	7,630.00	7,408.04	7,273.41	164.31	33.19	-12.30	1,228.79	2,639.05	9,582.74	9,495.02	87.72	109.244		
18,458.39	7,630.00	7,407.88	7,273.24	165.30	33.19	-12.29	1,228.79	2,639.05	9,641.10	9,553.36	87.74	109.881		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	58.53	2,112.75	3,452.14	4,047.53					
100.00	100.00	50.53	50.53	0.13	0.09	58.53	2,112.75	3,452.17	4,047.39	4,047.16	0.23	N/A		
200.00	200.00	125.00	125.00	0.49	0.36	58.54	2,112.81	3,452.69	4,048.01	4,047.16	0.85	4,750.171		
300.00	300.00	193.82	193.81	0.85	0.61	58.54	2,113.09	3,453.60	4,049.33	4,047.87	1.46	2,777.817		
400.00	400.00	288.13	288.11	1.21	0.94	58.54	2,113.92	3,455.14	4,051.17	4,049.02	2.15	1,881.101		
500.00	500.00	442.58	442.54	1.57	1.49	58.55	2,114.63	3,456.92	4,052.45	4,049.39	3.06	1,323.390		
600.00	600.00	567.80	567.76	1.93	1.92	58.55	2,114.44	3,457.08	4,052.44	4,048.59	3.85	1,052.664		
700.00	700.00	679.39	679.35	2.29	2.30	58.54	2,114.68	3,456.65	4,052.23	4,047.65	4.59	883.694		
800.00	800.00	803.90	803.86	2.64	2.73	58.53	2,114.68	3,455.51	4,051.45	4,046.08	5.37	754.674		
900.00	900.00	883.12	883.07	3.00	3.00	58.53	2,114.54	3,454.75	4,050.56	4,044.56	6.00	675.022		
1,000.00	1,000.00	978.53	978.48	3.36	3.33	58.52	2,114.87	3,454.21	4,050.25	4,043.56	6.69	605.294		
1,100.00	1,100.00	1,114.29	1,114.23	3.72	3.81	58.51	2,115.30	3,452.58	4,049.40	4,041.87	7.52	538.217		
1,200.00	1,199.98	1,857.95	1,853.56	4.07	6.51	7.62	2,075.08	3,403.98	4,044.61	4,034.21	10.40	388.845		
1,300.00	1,299.84	1,972.43	1,965.75	4.43	6.97	7.85	2,055.65	3,392.21	4,021.80	4,010.63	11.16	360.294		
1,400.00	1,399.45	2,111.82	2,101.91	4.79	7.55	8.20	2,028.32	3,380.23	3,995.94	3,983.93	12.01	332.596		
1,500.00	1,498.70	2,175.15	2,163.60	5.15	7.83	8.44	2,015.00	3,374.95	3,966.08	3,953.46	12.61	314.400		
1,600.00	1,597.47	2,267.74	2,253.91	5.53	8.23	8.77	1,996.02	3,367.47	3,933.48	3,920.16	13.32	295.333		
1,700.00	1,695.62	2,347.26	2,331.43	5.93	8.59	9.10	1,979.51	3,361.10	3,897.64	3,883.66	13.98	278.795		
1,800.00	1,793.06	2,411.70	2,394.39	6.35	8.88	9.41	1,966.80	3,355.93	3,859.17	3,844.58	14.59	264.507		
1,900.00	1,889.64	2,469.02	2,450.52	6.79	9.14	9.71	1,956.01	3,351.57	3,818.33	3,803.16	15.18	251.603		
2,000.00	1,985.27	2,525.91	2,506.34	7.27	9.39	10.04	1,945.76	3,347.52	3,775.19	3,759.43	15.76	239.518		
2,100.00	2,079.82	2,573.00	2,552.61	7.79	9.60	10.36	1,937.64	3,344.37	3,729.79	3,713.48	16.31	228.617		
2,200.00	2,173.17	2,635.92	2,614.56	8.36	9.87	10.75	1,927.36	3,340.44	3,682.13	3,665.21	16.92	217.567		
2,300.00	2,265.21	2,689.41	2,667.33	8.97	10.11	11.14	1,919.20	3,337.34	3,632.32	3,614.81	17.50	207.513		
2,400.00	2,355.84	2,760.00	2,737.12	9.64	10.41	11.62	1,909.25	3,333.60	3,580.42	3,562.27	18.15	197.308		
2,500.00	2,444.94	2,869.57	2,845.54	10.36	10.88	12.27	1,894.95	3,326.91	3,525.71	3,506.79	18.92	186.382		
2,591.69	2,525.19	2,986.42	2,961.00	11.07	11.38	13.00	1,879.42	3,317.77	3,471.73	3,452.05	19.67	176.465		
2,600.00	2,532.40	2,993.15	2,967.64	11.14	11.41	13.03	1,878.46	3,317.25	3,466.71	3,446.98	19.73	175.674		
2,700.00	2,619.15	3,063.52	3,037.03	11.96	11.72	13.34	1,868.01	3,312.03	3,406.45	3,386.07	20.38	167.178		
2,800.00	2,705.89	3,121.88	3,094.60	12.81	11.98	13.60	1,859.30	3,308.06	3,346.65	3,325.65	20.99	159.406		
2,900.00	2,792.64	3,170.90	3,143.01	13.67	12.19	13.83	1,852.27	3,304.96	3,287.51	3,265.91	21.59	152.238		
3,000.00	2,879.39	3,226.00	3,197.55	14.55	12.43	14.08	1,845.11	3,301.71	3,229.21	3,206.99	22.22	145.298		
3,100.00	2,966.14	3,449.83	3,418.46	15.44	13.42	15.10	1,814.96	3,282.37	3,168.05	3,144.71	23.34	135.756		
3,200.00	3,052.88	3,509.00	3,476.79	16.34	13.68	15.38	1,807.06	3,276.32	3,106.80	3,082.80	23.99	129.496		
3,300.00	3,139.63	3,631.00	3,596.92	17.25	14.23	15.99	1,790.33	3,263.24	3,045.09	3,020.28	24.81	122.724		
3,400.00	3,226.38	3,716.31	3,680.84	18.17	14.63	16.44	1,778.30	3,253.69	2,983.09	2,957.54	25.55	116.752		
3,500.00	3,313.12	3,822.94	3,785.41	19.09	15.13	17.07	1,761.41	3,241.53	2,920.38	2,894.02	26.35	110.821		
3,600.00	3,399.87	3,886.00	3,847.15	20.02	15.43	17.48	1,750.56	3,234.61	2,857.70	2,830.62	27.07	105.559		
3,700.00	3,486.62	3,936.09	3,896.22	20.96	15.67	17.82	1,741.93	3,229.49	2,795.68	2,767.90	27.78	100.640		
3,800.00	3,573.37	3,984.84	3,944.09	21.90	15.90	18.16	1,733.85	3,224.95	2,734.63	2,706.13	28.50	95.956		
3,900.00	3,660.11	4,064.67	4,022.44	22.84	16.28	18.75	1,720.22	3,218.04	2,674.05	2,644.75	29.30	91.249		
4,000.00	3,746.86	4,111.87	4,068.73	23.78	16.50	19.12	1,711.84	3,214.29	2,613.99	2,583.93	30.06	86.961		
4,100.00	3,833.61	4,169.00	4,124.90	24.73	16.76	19.58	1,702.10	3,210.54	2,555.19	2,524.34	30.85	82.816		
4,200.00	3,920.35	4,256.50	4,211.05	25.68	17.16	20.29	1,688.00	3,204.61	2,496.91	2,465.19	31.72	78.708		
4,300.00	4,007.10	4,438.33	4,389.36	26.63	18.03	21.85	1,657.55	3,186.21	2,435.65	2,402.89	32.76	74.348		
4,400.00	4,093.85	4,503.19	4,452.73	27.59	18.35	22.47	1,645.81	3,178.97	2,374.08	2,340.45	33.62	70.607		
4,500.00	4,180.60	4,577.68	4,525.62	28.55	18.72	23.20	1,632.78	3,170.90	2,313.16	2,278.63	34.52	67.001		
4,600.00	4,267.34	4,662.29	4,608.17	29.50	19.14	24.10	1,616.67	3,161.64	2,252.00	2,216.53	35.47	63.489		
4,700.00	4,354.09	4,716.07	4,660.70	30.46	19.41	24.70	1,606.64	3,155.97	2,191.57	2,155.17	36.40	60.202		
4,800.00	4,440.84	4,793.25	4,736.28	31.42	19.78	25.57	1,593.27	3,147.94	2,131.95	2,094.56	37.39	57.027		
4,900.00	4,527.58	4,880.47	4,821.72	32.39	20.21	26.58	1,578.69	3,138.22	2,072.28	2,033.88	38.40	53.963		
5,000.00	4,614.33	4,957.75	4,897.14	33.35	20.60	27.58	1,564.07	3,129.84	2,012.69	1,973.23	39.46	51.004		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,701.08	5,026.45	4,964.14	34.31	20.94	28.53	1,550.67	3,122.62	1,953.68	1,913.12	40.56	48.167		
5,200.00	4,787.82	5,088.74	5,024.91	35.28	21.26	29.44	1,538.49	3,116.41	1,895.55	1,853.85	41.70	45.458		
5,300.00	4,874.57	5,152.55	5,087.22	36.25	21.58	30.41	1,526.13	3,110.43	1,838.47	1,795.58	42.89	42.870		
5,400.00	4,961.32	5,216.92	5,150.18	37.21	21.90	31.42	1,514.01	3,104.68	1,782.44	1,738.32	44.12	40.401		
5,500.00	5,048.07	5,277.99	5,209.98	38.18	22.19	32.42	1,502.71	3,099.64	1,727.64	1,682.24	45.40	38.055		
5,600.00	5,134.81	5,339.66	5,270.43	39.15	22.49	33.47	1,491.37	3,095.08	1,674.23	1,627.50	46.74	35.824		
5,700.00	5,221.56	5,405.78	5,335.26	40.12	22.81	34.65	1,479.11	3,090.80	1,622.30	1,574.15	48.14	33.698		
5,800.00	5,308.31	5,503.20	5,430.72	41.09	23.28	36.50	1,460.85	3,084.08	1,570.92	1,521.24	49.68	31.622		
5,900.00	5,395.05	5,558.05	5,484.50	42.06	23.55	37.59	1,450.71	3,080.45	1,520.73	1,469.53	51.20	29.699		
6,000.00	5,481.80	5,630.41	5,555.55	43.03	23.89	39.08	1,437.70	3,076.16	1,472.25	1,419.42	52.83	27.869		
6,100.00	5,568.55	5,710.94	5,634.71	44.00	24.27	40.80	1,423.73	3,071.25	1,424.86	1,370.32	54.54	26.126		
6,200.00	5,655.30	5,806.86	5,729.06	44.97	24.72	42.94	1,407.71	3,064.95	1,378.46	1,322.10	56.35	24.461		
6,300.00	5,742.04	5,918.90	5,838.93	45.94	25.26	45.65	1,388.31	3,054.67	1,331.23	1,272.94	58.29	22.839		
6,400.00	5,828.79	5,992.94	5,911.38	46.92	25.62	47.57	1,375.15	3,046.98	1,284.76	1,224.49	60.27	21.318		
6,500.00	5,915.54	6,054.75	5,972.03	47.89	25.92	49.23	1,364.69	3,041.13	1,240.69	1,178.39	62.30	19.915		
6,600.00	6,002.28	6,118.27	6,034.51	48.86	26.22	50.96	1,354.61	3,035.87	1,199.33	1,134.94	64.39	18.625		
6,700.00	6,089.03	6,200.42	6,115.51	49.83	26.61	53.28	1,342.37	3,029.74	1,160.51	1,093.93	66.58	17.429		
6,800.00	6,175.78	6,282.39	6,196.28	50.81	26.99	55.70	1,330.19	3,022.80	1,123.05	1,054.20	68.85	16.311		
6,900.00	6,262.53	6,351.36	6,264.17	51.78	27.31	57.86	1,319.42	3,017.18	1,088.35	1,017.19	71.16	15.295		
7,000.00	6,349.27	6,419.19	6,331.07	52.76	27.62	60.03	1,309.28	3,012.39	1,056.98	983.50	73.47	14.386		
7,100.00	6,436.02	6,489.23	6,400.33	53.73	27.92	62.29	1,299.71	3,008.40	1,029.10	953.33	75.77	13.583		
7,200.00	6,522.77	6,562.60	6,473.05	54.71	28.23	64.67	1,290.51	3,005.16	1,004.74	926.71	78.03	12.877		
7,300.00	6,609.51	6,638.85	6,548.79	55.68	28.54	67.16	1,282.08	3,002.71	983.73	903.51	80.22	12.262		
7,400.00	6,696.26	6,713.80	6,623.36	56.66	28.83	69.60	1,274.67	3,001.29	966.24	883.92	82.32	11.738		
7,500.00	6,783.01	6,799.64	6,708.88	57.63	29.15	72.40	1,267.26	3,000.54	951.94	867.59	84.35	11.286		
7,600.00	6,869.76	6,919.71	6,828.70	58.61	29.58	76.28	1,260.08	2,998.82	939.06	852.67	86.39	10.870		
7,683.49	6,942.18	6,990.92	6,899.87	59.42	29.81	78.54	1,257.89	2,997.68	929.17	841.30	87.86	10.575		
7,700.00	6,956.57	7,006.09	6,915.04	59.58	29.86	76.44	1,257.60	2,997.51	927.23	839.09	88.14	10.520		
7,750.00	7,000.85	7,051.88	6,960.82	60.04	30.01	68.85	1,256.84	2,997.01	919.72	830.80	88.92	10.343		
7,800.00	7,045.94	7,098.99	7,007.92	60.46	30.15	59.51	1,256.21	2,996.48	909.59	819.98	89.61	10.151		
7,850.00	7,091.49	7,149.38	7,058.31	60.84	30.30	48.82	1,255.90	2,995.95	896.65	806.44	90.21	9.940		
7,900.00	7,137.15	7,345.46	7,252.72	61.17	30.75	39.14	1,275.77	2,993.81	879.78	790.31	89.48	9.833		
7,950.00	7,182.58	7,476.08	7,375.62	61.44	30.87	25.89	1,319.47	2,993.90	850.92	763.21	87.70	9.702		
8,000.00	7,227.43	7,737.26	7,588.49	61.67	30.82	2.54	1,467.90	2,991.94	812.43	733.95	78.48	10.352		
8,050.00	7,271.36	7,783.85	7,619.03	61.84	30.78	-17.16	1,503.07	2,992.51	769.97	692.71	77.26	9.966		
8,100.00	7,314.04	8,100.00	7,625.69	61.96	30.50	-33.11	1,511.73	2,992.71	726.84	649.21	77.63	9.362		
8,150.00	7,355.14	7,832.09	7,648.30	62.04	30.74	-51.94	1,541.40	2,993.30	684.06	607.87	76.19	8.979		
8,200.00	7,394.34	7,836.55	7,650.90	62.07	30.73	-64.20	1,545.03	2,993.37	642.44	566.11	76.32	8.417		
8,250.00	7,431.36	7,832.63	7,648.62	62.06	30.74	-73.25	1,541.84	2,993.31	602.69	526.02	76.67	7.861		
8,300.00	7,465.90	7,822.66	7,642.75	62.01	30.75	-79.72	1,533.77	2,993.16	565.46	488.42	77.04	7.340		
8,350.00	7,497.71	7,808.22	7,634.10	61.93	30.76	-84.17	1,522.22	2,992.93	531.40	454.10	77.30	6.874		
8,400.00	7,526.53	7,791.31	7,623.70	61.81	30.78	-87.12	1,508.88	2,992.64	501.17	423.93	77.23	6.489		
8,450.00	7,552.17	7,772.35	7,611.70	61.66	30.79	-88.82	1,494.20	2,992.33	475.42	398.68	76.74	6.195		
8,500.00	7,574.41	7,752.44	7,598.72	61.48	30.81	-89.52	1,479.12	2,992.04	454.79	379.09	75.69	6.008		
8,550.00	7,593.09	7,734.83	7,586.83	61.29	30.83	-89.68	1,466.13	2,991.94	439.93	366.02	73.90	5.953 SF		
8,600.00	7,608.07	7,716.35	7,573.92	61.07	30.84	-88.98	1,452.91	2,992.07	431.30	359.56	71.74	6.012		
8,643.80	7,618.05	7,697.13	7,560.05	60.87	30.85	-87.41	1,439.62	2,992.41	428.97	359.11	69.86	6.140 CC, ES		
8,650.00	7,619.23	7,694.05	7,557.78	60.84	30.85	-87.11	1,437.53	2,992.47	429.01	359.40	69.61	6.163		
8,700.00	7,626.48	7,669.44	7,539.24	60.60	30.87	-84.30	1,421.35	2,992.92	432.64	365.01	67.62	6.398		
8,750.00	7,629.78	7,644.69	7,519.92	60.35	30.88	-80.87	1,405.88	2,993.36	441.72	375.82	65.90	6.703		
8,766.45	7,630.00	7,636.42	7,513.35	60.27	30.88	-79.60	1,400.87	2,993.51	445.78	380.36	65.43	6.814		
8,800.00	7,630.00	7,620.00	7,500.14	60.10	30.88	-77.89	1,391.13	2,993.81	455.37	390.77	64.61	7.048		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
8,900.00	7,630.00	7,574.85	7,462.70	59.61	30.89	-73.17	1,365.92	2,994.51	492.84	429.42	63.42	7.771		
9,000.00	7,630.00	7,533.80	7,427.30	59.15	30.89	-68.91	1,345.14	2,994.67	542.08	478.24	63.85	8.490		
9,100.00	7,630.00	7,501.38	7,398.50	58.71	30.88	-65.59	1,330.26	2,994.25	601.01	535.69	65.32	9.201		
9,200.00	7,630.00	7,472.00	7,371.90	58.30	30.87	-62.66	1,317.80	2,993.84	667.86	600.65	67.21	9.937		
9,300.00	7,630.00	7,451.89	7,353.44	57.91	30.85	-60.71	1,309.82	2,993.62	740.81	671.56	69.25	10.698		
9,400.00	7,630.00	7,425.00	7,328.49	57.54	30.84	-58.20	1,299.82	2,993.48	818.52	747.53	70.99	11.529		
9,500.00	7,630.00	7,425.00	7,328.49	57.19	30.84	-58.20	1,299.82	2,993.48	899.93	827.00	72.92	12.341		
9,600.00	7,630.00	7,400.41	7,305.37	56.87	30.81	-56.00	1,291.45	2,993.49	984.03	909.78	74.25	13.253		
9,700.00	7,630.00	7,378.00	7,284.04	56.57	30.79	-54.07	1,284.56	2,993.59	1,070.68	995.26	75.42	14.196		
9,800.00	7,630.00	7,378.00	7,284.04	56.30	30.79	-54.07	1,284.56	2,993.59	1,158.96	1,082.30	76.66	15.117		
9,900.00	7,630.00	7,365.00	7,271.58	56.05	30.77	-52.99	1,280.89	2,993.67	1,248.84	1,171.24	77.60	16.093		
10,000.00	7,630.00	7,354.87	7,261.82	55.82	30.76	-52.16	1,278.17	2,993.74	1,339.93	1,261.50	78.43	17.084		
10,100.00	7,630.00	7,345.67	7,252.92	55.63	30.75	-51.42	1,275.82	2,993.81	1,432.04	1,352.88	79.16	18.090		
10,200.00	7,630.00	7,331.00	7,238.68	55.46	30.73	-50.27	1,272.30	2,993.91	1,525.04	1,445.27	79.76	19.120		
10,300.00	7,630.00	7,331.00	7,238.68	55.32	30.73	-50.27	1,272.30	2,993.91	1,618.68	1,538.30	80.38	20.137		
10,400.00	7,630.00	7,331.00	7,238.68	55.22	30.73	-50.27	1,272.30	2,993.91	1,713.04	1,632.12	80.92	21.168		
10,500.00	7,630.00	7,331.00	7,238.68	55.15	30.73	-50.27	1,272.30	2,993.91	1,808.01	1,726.61	81.40	22.211		
10,600.00	7,630.00	7,313.98	7,222.06	55.14	30.70	-48.98	1,268.63	2,994.06	1,903.16	1,821.41	81.75	23.280		
10,700.00	7,630.00	7,309.51	7,217.68	55.18	30.69	-48.65	1,267.74	2,994.11	1,998.90	1,916.78	82.12	24.342		
10,800.00	7,630.00	7,305.36	7,213.61	55.28	30.69	-48.34	1,266.95	2,994.15	2,094.99	2,012.54	82.45	25.410		
10,900.00	7,630.00	7,284.00	7,192.55	55.47	30.65	-46.81	1,263.37	2,994.42	2,191.74	2,109.05	82.68	26.507		
11,000.00	7,630.00	7,284.00	7,192.55	55.74	30.65	-46.81	1,263.37	2,994.42	2,288.30	2,205.32	82.98	27.578		
11,100.00	7,630.00	7,284.00	7,192.55	56.11	30.65	-46.81	1,263.37	2,994.42	2,385.14	2,301.90	83.24	28.654		
11,200.00	7,630.00	7,284.00	7,192.55	56.60	30.65	-46.81	1,263.37	2,994.42	2,482.24	2,398.76	83.48	29.734		
11,300.00	7,630.00	7,284.00	7,192.55	57.20	30.65	-46.81	1,263.37	2,994.42	2,579.56	2,495.86	83.70	30.819		
11,400.00	7,630.00	7,284.00	7,192.55	57.91	30.65	-46.81	1,263.37	2,994.42	2,677.07	2,593.17	83.90	31.907		
11,500.00	7,630.00	7,284.00	7,192.55	58.72	30.65	-46.81	1,263.37	2,994.42	2,774.76	2,690.67	84.09	32.998		
11,600.00	7,630.00	7,284.00	7,192.55	59.63	30.65	-46.81	1,263.37	2,994.42	2,872.61	2,788.35	84.26	34.091		
11,700.00	7,630.00	7,284.00	7,192.55	60.61	30.65	-46.81	1,263.37	2,994.42	2,970.61	2,886.18	84.42	35.187		
11,800.00	7,630.00	7,284.00	7,192.55	61.67	30.65	-46.81	1,263.37	2,994.42	3,068.73	2,984.16	84.57	36.285		
11,900.00	7,630.00	7,284.00	7,192.55	62.78	30.65	-46.81	1,263.37	2,994.42	3,166.97	3,082.26	84.71	37.385		
12,000.00	7,630.00	7,284.00	7,192.55	63.95	30.65	-46.81	1,263.37	2,994.42	3,265.32	3,180.48	84.84	38.487		
12,100.00	7,630.00	7,284.00	7,192.55	65.16	30.65	-46.81	1,263.37	2,994.42	3,363.76	3,278.80	84.97	39.590		
12,200.00	7,630.00	7,284.00	7,192.55	66.41	30.65	-46.81	1,263.37	2,994.42	3,462.30	3,377.22	85.08	40.694		
12,300.00	7,630.00	7,284.00	7,192.55	67.68	30.65	-46.81	1,263.37	2,994.42	3,560.91	3,475.72	85.19	41.799		
12,400.00	7,630.00	7,284.00	7,192.55	68.99	30.65	-46.81	1,263.37	2,994.42	3,659.60	3,574.31	85.30	42.905		
12,500.00	7,630.00	7,284.00	7,192.55	70.33	30.65	-46.81	1,263.37	2,994.42	3,758.36	3,672.97	85.39	44.012		
12,600.00	7,630.00	7,284.00	7,192.55	71.68	30.65	-46.81	1,263.37	2,994.42	3,857.19	3,771.70	85.49	45.120		
12,700.00	7,630.00	7,284.00	7,192.55	73.06	30.65	-46.81	1,263.37	2,994.42	3,956.07	3,870.49	85.58	46.228		
12,800.00	7,630.00	7,284.00	7,192.55	74.45	30.65	-46.81	1,263.37	2,994.42	4,055.01	3,969.35	85.66	47.337		
12,900.00	7,630.00	7,284.00	7,192.55	75.87	30.65	-46.81	1,263.37	2,994.42	4,154.00	4,068.25	85.75	48.446		
13,000.00	7,630.00	7,284.00	7,192.55	77.29	30.65	-46.81	1,263.37	2,994.42	4,253.03	4,167.21	85.82	49.555		
13,100.00	7,630.00	7,284.00	7,192.55	78.74	30.65	-46.81	1,263.37	2,994.42	4,352.11	4,266.21	85.90	50.665		
13,200.00	7,630.00	7,284.00	7,192.55	80.19	30.65	-46.81	1,263.37	2,994.42	4,451.24	4,365.26	85.97	51.775		
13,300.00	7,630.00	7,284.00	7,192.55	81.66	30.65	-46.81	1,263.37	2,994.42	4,550.40	4,464.35	86.04	52.885		
13,400.00	7,630.00	7,284.00	7,192.55	83.14	30.65	-46.81	1,263.37	2,994.42	4,649.59	4,563.48	86.11	53.995		
13,500.00	7,630.00	7,284.00	7,192.55	84.63	30.65	-46.81	1,263.37	2,994.42	4,748.82	4,662.64	86.18	55.105		
13,600.00	7,630.00	7,284.00	7,192.55	86.14	30.65	-46.81	1,263.37	2,994.42	4,848.08	4,761.84	86.24	56.215		
13,700.00	7,630.00	7,284.00	7,192.55	87.65	30.65	-46.81	1,263.37	2,994.42	4,947.37	4,861.07	86.30	57.325		
13,800.00	7,630.00	7,284.00	7,192.55	89.17	30.65	-46.81	1,263.37	2,994.42	5,046.69	4,960.33	86.36	58.435		
13,900.00	7,630.00	7,242.46	7,151.32	90.70	30.55	-44.03	1,258.46	2,994.98	5,144.57	5,058.18	86.39	59.551		
14,000.00	7,630.00	7,241.49	7,150.35	92.24	30.55	-43.97	1,258.38	2,994.99	5,243.87	5,157.43	86.45	60.660		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	7,240.55	7,149.41	93.78	30.55	-43.91	1,258.30	2,995.00	5,343.20	5,256.70	86.50	61.769		
14,200.00	7,630.00	7,239.63	7,148.50	95.33	30.54	-43.85	1,258.22	2,995.01	5,442.55	5,356.00	86.56	62.877		
14,300.00	7,630.00	7,238.75	7,147.62	96.89	30.54	-43.79	1,258.15	2,995.02	5,541.93	5,455.31	86.61	63.985		
14,400.00	7,630.00	7,237.90	7,146.77	98.46	30.54	-43.74	1,258.08	2,995.03	5,641.32	5,554.65	86.67	65.093		
14,500.00	7,630.00	7,237.07	7,145.94	100.03	30.54	-43.69	1,258.01	2,995.04	5,740.73	5,654.02	86.72	66.200		
14,600.00	7,630.00	7,236.27	7,145.14	101.61	30.54	-43.64	1,257.95	2,995.05	5,840.17	5,753.40	86.77	67.306		
14,700.00	7,630.00	7,235.49	7,144.37	103.20	30.53	-43.59	1,257.89	2,995.06	5,939.62	5,852.80	86.82	68.413		
14,800.00	7,630.00	7,234.74	7,143.62	104.78	30.53	-43.54	1,257.84	2,995.07	6,039.09	5,952.22	86.87	69.518		
14,900.00	7,630.00	7,234.00	7,142.89	106.38	30.53	-43.49	1,257.78	2,995.08	6,138.57	6,051.65	86.92	70.623		
15,000.00	7,630.00	7,233.29	7,142.18	107.98	30.53	-43.45	1,257.73	2,995.09	6,238.07	6,151.10	86.97	71.728		
15,100.00	7,630.00	7,232.60	7,141.49	109.58	30.53	-43.41	1,257.68	2,995.09	6,337.59	6,250.57	87.02	72.832		
15,200.00	7,630.00	7,231.93	7,140.82	111.19	30.53	-43.36	1,257.63	2,995.10	6,437.12	6,350.05	87.06	73.935		
15,300.00	7,630.00	7,231.28	7,140.17	112.81	30.52	-43.32	1,257.58	2,995.11	6,536.66	6,449.55	87.11	75.038		
15,400.00	7,630.00	7,189.00	7,097.93	114.42	30.42	-40.80	1,255.98	2,995.56	6,637.65	6,550.53	87.13	76.182		
15,500.00	7,630.00	7,189.00	7,097.93	116.05	30.42	-40.80	1,255.98	2,995.56	6,737.18	6,650.00	87.18	77.283		
15,600.00	7,630.00	7,189.00	7,097.93	117.67	30.42	-40.80	1,255.98	2,995.56	6,836.72	6,749.49	87.22	78.382		
15,700.00	7,630.00	7,189.00	7,097.93	119.30	30.42	-40.80	1,255.98	2,995.56	6,936.27	6,849.00	87.27	79.481		
15,800.00	7,630.00	7,189.00	7,097.93	120.93	30.42	-40.80	1,255.98	2,995.56	7,035.83	6,948.52	87.32	80.580		
15,900.00	7,630.00	7,189.00	7,097.93	122.57	30.42	-40.80	1,255.98	2,995.56	7,135.41	7,048.05	87.36	81.677		
16,000.00	7,630.00	7,189.00	7,097.93	124.21	30.42	-40.80	1,255.98	2,995.56	7,235.00	7,147.59	87.41	82.774		
16,100.00	7,630.00	7,189.00	7,097.93	125.85	30.42	-40.80	1,255.98	2,995.56	7,334.60	7,247.14	87.45	83.870		
16,200.00	7,630.00	7,189.00	7,097.93	127.50	30.42	-40.80	1,255.98	2,995.56	7,434.21	7,346.71	87.50	84.965		
16,300.00	7,630.00	7,189.00	7,097.93	129.15	30.42	-40.80	1,255.98	2,995.56	7,533.83	7,446.29	87.54	86.059		
16,400.00	7,630.00	7,189.00	7,097.93	130.80	30.42	-40.80	1,255.98	2,995.56	7,633.46	7,545.87	87.59	87.152		
16,500.00	7,630.00	7,189.00	7,097.93	132.46	30.42	-40.80	1,255.98	2,995.56	7,733.10	7,645.47	87.63	88.245		
16,600.00	7,630.00	7,189.00	7,097.93	134.11	30.42	-40.80	1,255.98	2,995.56	7,832.75	7,745.07	87.68	89.336		
16,700.00	7,630.00	7,189.00	7,097.93	135.77	30.42	-40.80	1,255.98	2,995.56	7,932.41	7,844.68	87.72	90.427		
16,800.00	7,630.00	7,189.00	7,097.93	137.43	30.42	-40.80	1,255.98	2,995.56	8,032.07	7,944.31	87.77	91.517		
16,900.00	7,630.00	7,189.00	7,097.93	139.10	30.42	-40.80	1,255.98	2,995.56	8,131.75	8,043.94	87.81	92.605		
17,000.00	7,630.00	7,189.00	7,097.93	140.77	30.42	-40.80	1,255.98	2,995.56	8,231.43	8,143.57	87.86	93.693		
17,100.00	7,630.00	7,189.00	7,097.93	142.44	30.42	-40.80	1,255.98	2,995.56	8,331.12	8,243.22	87.90	94.780		
17,200.00	7,630.00	7,189.00	7,097.93	144.11	30.42	-40.80	1,255.98	2,995.56	8,430.82	8,342.87	87.94	95.865		
17,300.00	7,630.00	7,189.00	7,097.93	145.78	30.42	-40.80	1,255.98	2,995.56	8,530.52	8,442.53	87.99	96.950		
17,400.00	7,630.00	7,189.00	7,097.93	147.46	30.42	-40.80	1,255.98	2,995.56	8,630.23	8,542.20	88.03	98.033		
17,500.00	7,630.00	7,189.00	7,097.93	149.13	30.42	-40.80	1,255.98	2,995.56	8,729.95	8,641.87	88.08	99.116		
17,600.00	7,630.00	7,189.00	7,097.93	150.81	30.42	-40.80	1,255.98	2,995.56	8,829.68	8,741.55	88.12	100.197		
17,700.00	7,630.00	7,189.00	7,097.93	152.49	30.42	-40.80	1,255.98	2,995.56	8,929.41	8,841.24	88.17	101.277		
17,800.00	7,630.00	7,189.00	7,097.93	154.18	30.42	-40.80	1,255.98	2,995.56	9,029.14	8,940.93	88.21	102.357		
17,900.00	7,630.00	7,189.00	7,097.93	155.86	30.42	-40.80	1,255.98	2,995.56	9,128.88	9,040.63	88.26	103.434		
18,000.00	7,630.00	7,189.00	7,097.93	157.55	30.42	-40.80	1,255.98	2,995.56	9,228.63	9,140.33	88.30	104.511		
18,100.00	7,630.00	7,189.00	7,097.93	159.24	30.42	-40.80	1,255.98	2,995.56	9,328.39	9,240.04	88.35	105.587		
18,200.00	7,630.00	7,189.00	7,097.93	160.92	30.42	-40.80	1,255.98	2,995.56	9,428.14	9,339.75	88.39	106.661		
18,300.00	7,630.00	7,189.00	7,097.93	162.62	30.42	-40.80	1,255.98	2,995.56	9,527.91	9,439.47	88.44	107.735		
18,400.00	7,630.00	7,189.00	7,097.93	164.31	30.42	-40.80	1,255.98	2,995.56	9,627.68	9,539.19	88.48	108.806		
18,458.39	7,630.00	7,189.00	7,097.93	165.30	30.42	-40.80	1,255.98	2,995.56	9,685.94	9,597.42	88.51	109.432		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	174.79	-4,018.46	366.30	4,035.15					
100.00	100.00	52.45	52.44	0.13	0.09	174.79	-4,018.65	366.54	4,035.45	4,035.23	0.22	N/A		
200.00	200.00	120.00	119.99	0.49	0.20	174.78	-4,019.43	367.54	4,036.70	4,036.02	0.69	5,876.548		
300.00	300.00	291.36	291.31	0.85	0.81	174.74	-4,020.79	370.37	4,037.82	4,036.16	1.66	2,436.278		
400.00	400.00	409.18	409.13	1.21	1.22	174.72	-4,020.11	371.40	4,037.31	4,034.88	2.43	1,659.908		
500.00	500.00	509.78	509.70	1.57	1.58	174.69	-4,019.34	373.59	4,036.75	4,033.60	3.15	1,281.278		
600.00	600.00	787.92	786.45	1.93	2.63	174.33	-4,009.73	397.82	4,034.49	4,029.94	4.55	886.420		
700.00	700.00	976.75	972.35	2.29	3.42	173.89	-3,995.24	427.53	4,028.38	4,022.69	5.69	707.703		
800.00	800.00	1,077.32	1,070.71	2.64	3.87	173.61	-3,985.90	446.27	4,021.04	4,014.54	6.50	618.831		
900.00	900.00	1,155.10	1,146.65	3.00	4.24	173.38	-3,978.96	461.62	4,014.25	4,007.03	7.22	556.299		
1,000.00	1,000.00	1,296.23	1,284.75	3.36	4.90	172.99	-3,966.04	487.62	4,007.21	3,998.98	8.23	487.145		
1,100.00	1,100.00	1,371.00	1,358.02	3.72	5.25	172.79	-3,959.16	500.86	4,000.11	3,991.18	8.93	447.870		
1,200.00	1,199.98	1,488.98	1,473.33	4.07	5.82	121.51	-3,948.21	523.29	3,994.14	3,984.29	9.85	405.540		
1,300.00	1,299.84	1,619.52	1,600.44	4.43	6.48	121.27	-3,934.74	549.74	3,989.14	3,978.29	10.85	367.801		
1,400.00	1,399.45	1,740.00	1,717.45	4.79	7.10	121.08	-3,921.52	575.22	3,985.51	3,973.70	11.81	337.444		
1,500.00	1,498.70	1,833.73	1,808.76	5.15	7.58	120.97	-3,911.16	593.68	3,983.47	3,970.83	12.64	315.066		
1,545.51	1,543.71	1,870.67	1,844.79	5.33	7.77	120.93	-3,907.17	600.79	3,983.23	3,970.23	13.00	306.427		
1,600.00	1,597.47	1,913.27	1,886.33	5.53	7.98	120.88	-3,902.66	609.12	3,983.58	3,970.16	13.42	296.906		
1,700.00	1,695.62	2,008.95	1,979.59	5.93	8.47	120.78	-3,892.77	628.07	3,985.87	3,971.59	14.28	279.035		
1,800.00	1,793.06	2,111.38	2,079.37	6.35	9.00	120.68	-3,882.11	648.56	3,989.91	3,974.70	15.21	262.334		
1,900.00	1,889.64	2,212.85	2,177.87	6.79	9.54	120.57	-3,871.29	670.37	3,995.67	3,979.50	16.17	247.158		
2,000.00	1,985.27	2,321.84	2,283.59	7.27	10.12	120.48	-3,859.50	694.16	4,003.10	3,985.90	17.19	232.817		
2,100.00	2,079.82	2,453.61	2,411.45	7.79	10.83	120.43	-3,844.49	722.24	4,011.61	3,993.25	18.36	218.444		
2,200.00	2,173.17	2,538.51	2,493.87	8.36	11.28	120.36	-3,834.62	740.08	4,021.69	4,002.36	19.33	208.047		
2,300.00	2,265.21	2,300.00	2,612.29	8.97	9.98	120.35	-3,820.49	766.97	4,033.77	4,015.15	18.62	216.631		
2,400.00	2,355.84	2,787.00	2,734.74	9.64	12.63	120.39	-3,804.34	793.01	4,046.04	4,024.26	21.78	185.771		
2,500.00	2,444.94	2,839.83	2,786.07	10.36	12.91	120.27	-3,797.89	803.73	4,060.93	4,038.24	22.69	178.950		
2,591.69	2,525.19	2,881.00	2,826.09	11.07	13.12	120.10	-3,793.42	812.28	4,077.34	4,053.81	23.53	173.309		
2,600.00	2,532.40	2,888.42	2,833.30	11.14	13.16	120.13	-3,792.66	813.83	4,078.94	4,055.32	23.62	172.665		
2,700.00	2,619.15	3,021.26	2,962.26	11.96	13.88	120.54	-3,778.04	842.15	4,097.59	4,072.56	25.03	163.731		
2,800.00	2,705.89	3,092.75	3,031.53	12.81	14.27	120.75	-3,770.04	857.90	4,116.35	4,090.22	26.13	157.549		
2,900.00	2,792.64	3,143.04	3,080.29	13.67	14.54	120.90	-3,764.90	869.11	4,136.14	4,109.01	27.12	152.485		
3,000.00	2,879.39	3,301.54	3,233.75	14.55	15.42	121.34	-3,748.44	905.17	4,155.93	4,127.20	28.73	144.646		
3,100.00	2,966.14	3,393.72	3,322.96	15.44	15.93	121.60	-3,738.17	925.94	4,175.03	4,145.05	29.98	139.254		
3,200.00	3,052.88	3,496.74	3,422.71	16.34	16.50	121.89	-3,726.75	949.05	4,194.28	4,162.99	31.29	134.031		
3,300.00	3,139.63	3,587.89	3,511.01	17.25	17.00	122.15	-3,716.45	969.18	4,213.39	4,180.85	32.54	129.480		
3,400.00	3,226.38	3,665.28	3,586.08	18.17	17.43	122.37	-3,708.08	986.02	4,233.03	4,199.32	33.71	125.568		
3,500.00	3,313.12	3,749.35	3,667.71	19.09	17.88	122.61	-3,699.23	1,004.09	4,253.03	4,218.11	34.91	121.812		
3,600.00	3,399.87	3,817.27	3,733.78	20.02	18.24	122.81	-3,692.45	1,018.32	4,273.61	4,237.59	36.02	118.633		
3,700.00	3,486.62	3,890.74	3,805.43	20.96	18.62	123.03	-3,685.59	1,033.02	4,294.86	4,257.71	37.15	115.612		
3,800.00	3,573.37	3,964.08	3,877.22	21.90	18.98	123.27	-3,679.16	1,046.56	4,316.70	4,278.44	38.26	112.838		
3,900.00	3,660.11	4,016.00	3,928.22	22.84	19.24	123.45	-3,674.88	1,055.31	4,339.21	4,299.97	39.24	110.588		
4,000.00	3,746.86	4,082.00	3,993.25	23.78	19.53	123.69	-3,670.02	1,065.44	4,362.58	4,322.31	40.26	108.348		
4,100.00	3,833.61	4,137.97	4,048.58	24.73	19.78	123.90	-3,666.55	1,073.16	4,387.04	4,345.81	41.23	106.417		
4,200.00	3,920.35	4,205.00	4,115.04	25.68	20.05	124.17	-3,662.94	1,081.02	4,412.36	4,370.15	42.22	104.516		
4,300.00	4,007.10	4,305.06	4,214.57	26.63	20.43	124.61	-3,657.83	1,089.91	4,438.10	4,394.79	43.31	102.463		
4,400.00	4,093.85	4,356.35	4,265.69	27.59	20.60	124.85	-3,655.41	1,093.26	4,464.33	4,420.15	44.18	101.054		
4,500.00	4,180.60	4,394.00	4,303.26	28.55	20.73	125.03	-3,653.89	1,095.27	4,491.60	4,446.63	44.98	99.864		
4,600.00	4,267.34	4,445.99	4,355.18	29.50	20.89	125.28	-3,652.31	1,097.45	4,519.99	4,474.18	45.81	98.673		
4,700.00	4,354.09	4,488.00	4,397.16	30.46	21.02	125.49	-3,651.58	1,098.73	4,549.66	4,503.07	46.59	97.658		
4,800.00	4,440.84	4,561.09	4,470.23	31.42	21.23	125.86	-3,650.80	1,100.35	4,580.24	4,532.77	47.47	96.494		
4,900.00	4,527.58	4,653.38	4,562.50	32.39	21.50	126.33	-3,649.90	1,102.01	4,611.20	4,562.79	48.41	95.252		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,614.33	4,740.33	4,649.43	33.35	21.75	126.76	-3,648.96	1,103.77	4,642.34	4,593.01	49.33	94.104		
5,100.00	4,701.08	4,827.52	4,736.60	34.31	22.01	127.18	-3,648.07	1,105.75	4,673.83	4,623.57	50.25	93.004		
5,200.00	4,787.82	4,923.06	4,832.09	35.28	22.30	127.64	-3,647.05	1,108.22	4,705.53	4,654.32	51.21	91.888		
5,300.00	4,874.57	5,013.32	4,922.32	36.25	22.57	128.07	-3,645.94	1,110.61	4,737.34	4,685.20	52.14	90.857		
5,400.00	4,961.32	5,108.06	5,017.02	37.21	22.86	128.51	-3,644.76	1,112.97	4,769.41	4,716.32	53.09	89.845		
5,500.00	5,048.07	5,207.03	5,115.95	38.18	23.15	128.98	-3,643.25	1,114.94	4,801.51	4,747.47	54.04	88.857		
5,600.00	5,134.81	5,290.92	5,199.83	39.15	23.40	129.37	-3,641.83	1,115.91	4,833.77	4,778.86	54.92	88.023		
5,700.00	5,221.56	5,362.56	5,271.46	40.12	23.61	129.71	-3,640.74	1,116.28	4,866.50	4,810.77	55.73	87.318		
5,800.00	5,308.31	5,432.00	5,340.90	41.09	23.80	130.04	-3,639.97	1,116.15	4,899.87	4,843.34	56.53	86.680		
5,900.00	5,395.05	5,491.27	5,400.17	42.06	23.96	130.33	-3,639.56	1,115.76	4,933.90	4,876.63	57.27	86.153		
6,000.00	5,481.80	5,567.78	5,476.67	43.03	24.17	130.69	-3,639.31	1,115.15	4,968.54	4,910.47	58.07	85.567		
6,100.00	5,568.55	5,656.77	5,565.65	44.00	24.40	131.11	-3,639.01	1,114.41	5,003.44	4,944.54	58.90	84.941		
6,200.00	5,655.30	5,746.30	5,655.18	44.97	24.64	131.53	-3,638.66	1,113.43	5,038.58	4,978.84	59.74	84.341		
6,300.00	5,742.04	5,836.61	5,745.48	45.94	24.88	131.95	-3,638.17	1,112.31	5,073.86	5,013.29	60.57	83.762		
6,400.00	5,828.79	5,917.24	5,826.10	46.92	25.10	132.32	-3,637.78	1,111.15	5,109.47	5,048.10	61.37	83.261		
6,500.00	5,915.54	6,018.48	5,927.33	47.89	25.37	132.78	-3,637.21	1,109.68	5,145.26	5,083.02	62.24	82.671		
6,600.00	6,002.28	6,127.44	6,036.28	48.86	25.68	133.27	-3,636.15	1,108.61	5,180.86	5,117.72	63.15	82.045		
6,700.00	6,089.03	6,220.93	6,129.77	49.83	25.95	133.67	-3,635.17	1,108.23	5,216.58	5,152.58	64.00	81.508		
6,800.00	6,175.78	6,332.68	6,241.50	50.81	26.28	134.14	-3,633.63	1,107.99	5,252.22	5,187.29	64.93	80.887		
6,900.00	6,262.53	6,429.12	6,337.92	51.78	26.57	134.55	-3,631.89	1,107.44	5,287.74	5,221.95	65.79	80.369		
7,000.00	6,349.27	6,514.17	6,422.96	52.76	26.82	134.91	-3,630.26	1,106.49	5,323.47	5,256.87	66.60	79.934		
7,100.00	6,436.02	6,601.55	6,510.31	53.73	27.07	135.28	-3,628.60	1,105.44	5,359.45	5,292.04	67.41	79.508		
7,200.00	6,522.77	6,662.00	6,570.75	54.71	27.25	135.53	-3,627.44	1,104.86	5,395.66	5,327.56	68.10	79.227		
7,300.00	6,609.51	6,721.98	6,630.72	55.68	27.43	135.77	-3,626.60	1,104.33	5,432.51	5,363.72	68.79	78.973		
7,400.00	6,696.26	6,779.69	6,688.43	56.66	27.60	136.01	-3,626.33	1,103.76	5,470.26	5,400.80	69.46	78.755		
7,500.00	6,783.01	6,877.44	6,786.17	57.63	27.88	136.40	-3,625.84	1,102.75	5,508.23	5,437.93	70.30	78.357		
7,600.00	6,869.76	6,967.07	6,875.80	58.61	28.14	136.75	-3,625.41	1,102.14	5,546.34	5,475.24	71.10	78.004		
7,683.49	6,942.18	7,051.47	6,960.19	59.42	28.40	137.07	-3,624.90	1,101.98	5,578.14	5,506.32	71.83	77.662		
7,700.00	6,956.57	7,062.60	6,971.33	59.58	28.43	134.55	-3,624.83	1,101.97	5,584.23	5,512.28	71.94	77.619		
7,750.00	7,000.85	7,096.85	7,005.58	60.04	28.54	125.97	-3,624.67	1,101.97	5,600.06	5,527.76	72.31	77.448		
7,800.00	7,045.94	7,134.00	7,042.73	60.46	28.65	116.05	-3,624.57	1,101.98	5,611.93	5,539.25	72.69	77.207		
7,850.00	7,091.49	7,195.70	7,104.43	60.84	28.84	105.25	-3,624.36	1,102.01	5,619.65	5,546.47	73.18	76.791		
7,900.00	7,137.15	7,250.55	7,159.27	61.17	29.01	94.22	-3,624.01	1,102.04	5,623.04	5,549.40	73.64	76.361		
7,950.00	7,182.58	7,294.29	7,203.01	61.44	29.15	83.83	-3,623.70	1,102.02	5,622.23	5,548.20	74.03	75.944		
8,000.00	7,227.43	7,340.48	7,249.21	61.67	29.29	74.79	-3,623.39	1,101.97	5,617.25	5,542.83	74.43	75.475		
8,050.00	7,271.36	7,391.73	7,300.45	61.84	29.45	67.38	-3,623.00	1,101.99	5,608.10	5,533.27	74.83	74.945		
8,100.00	7,314.04	7,435.77	7,344.49	61.96	29.59	61.49	-3,622.65	1,102.09	5,594.84	5,519.66	75.19	74.412		
8,150.00	7,355.14	7,472.42	7,381.14	62.04	29.70	56.95	-3,622.36	1,102.15	5,577.66	5,502.16	75.50	73.881		
8,200.00	7,394.34	7,507.34	7,416.06	62.07	29.81	53.57	-3,622.11	1,102.17	5,556.69	5,480.90	75.78	73.324		
8,250.00	7,431.36	7,547.55	7,456.27	62.06	29.94	51.22	-3,621.82	1,102.19	5,532.06	5,455.98	76.08	72.712		
8,300.00	7,465.90	7,585.92	7,494.64	62.01	30.06	49.75	-3,621.54	1,102.28	5,503.94	5,427.58	76.36	72.077		
8,350.00	7,497.71	7,623.14	7,531.85	61.93	30.18	49.08	-3,621.25	1,102.42	5,472.53	5,395.90	76.63	71.417		
8,400.00	7,526.53	7,659.02	7,567.73	61.81	30.29	49.21	-3,620.92	1,102.58	5,438.07	5,361.19	76.88	70.736		
8,450.00	7,552.17	7,690.74	7,599.45	61.66	30.40	50.16	-3,620.60	1,102.74	5,400.81	5,323.71	77.10	70.047		
8,500.00	7,574.41	7,718.07	7,626.77	61.48	30.48	52.04	-3,620.29	1,102.88	5,361.05	5,283.75	77.30	69.355		
8,550.00	7,593.09	7,725.45	7,634.16	61.29	30.51	54.81	-3,620.24	1,102.92	5,319.14	5,241.74	77.40	68.727		
8,600.00	7,608.07	7,736.99	7,645.70	61.07	30.54	59.13	-3,620.13	1,102.99	5,275.34	5,197.83	77.51	68.061		
8,650.00	7,619.23	7,745.54	7,654.24	60.84	30.57	65.41	-3,620.06	1,103.04	5,230.00	5,152.39	77.61	67.390		
8,700.00	7,626.48	7,751.00	7,659.70	60.60	30.59	74.41	-3,620.01	1,103.07	5,183.42	5,105.73	77.69	66.717		
8,750.00	7,629.78	7,753.31	7,662.02	60.35	30.60	86.94	-3,619.99	1,103.09	5,135.96	5,058.20	77.76	66.045		
8,766.45	7,630.00	7,753.38	7,662.08	60.27	30.60	91.90	-3,619.99	1,103.09	5,120.21	5,042.43	77.79	65.824		
8,800.00	7,630.00	7,753.16	7,661.87	60.10	30.59	91.89	-3,619.99	1,103.09	5,088.04	5,010.22	77.83	65.375		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
8,900.00	7,630.00	7,752.52	7,661.22	59.61	30.59	91.86	-3,620.00	1,103.08	4,992.28	4,914.32	77.96	64.038		
9,000.00	7,630.00	7,751.87	7,660.57	59.15	30.59	91.84	-3,620.01	1,103.08	4,896.68	4,818.59	78.10	62.701		
9,100.00	7,630.00	7,751.21	7,659.91	58.71	30.59	91.81	-3,620.01	1,103.07	4,801.27	4,723.03	78.24	61.364		
9,200.00	7,630.00	7,750.55	7,659.25	58.30	30.59	91.79	-3,620.02	1,103.07	4,706.04	4,627.64	78.40	60.028		
9,300.00	7,630.00	7,749.88	7,658.58	57.91	30.58	91.76	-3,620.02	1,103.07	4,611.02	4,532.45	78.56	58.691		
9,400.00	7,630.00	7,749.20	7,657.91	57.54	30.58	91.73	-3,620.03	1,103.06	4,516.21	4,437.47	78.74	57.356		
9,500.00	7,630.00	7,748.52	7,657.23	57.19	30.58	91.71	-3,620.03	1,103.06	4,421.63	4,342.70	78.93	56.021		
9,600.00	7,630.00	7,747.83	7,656.54	56.87	30.58	91.68	-3,620.04	1,103.05	4,327.29	4,248.16	79.13	54.687		
9,700.00	7,630.00	7,747.14	7,655.84	56.57	30.58	91.65	-3,620.04	1,103.05	4,233.21	4,153.87	79.34	53.354		
9,800.00	7,630.00	7,746.44	7,655.14	56.30	30.57	91.62	-3,620.05	1,103.05	4,139.41	4,059.84	79.57	52.023		
9,900.00	7,630.00	7,745.73	7,654.44	56.05	30.57	91.60	-3,620.06	1,103.04	4,045.91	3,966.10	79.81	50.693		
10,000.00	7,630.00	7,745.02	7,653.72	55.82	30.57	91.57	-3,620.06	1,103.04	3,952.72	3,872.65	80.07	49.366		
10,100.00	7,630.00	7,744.30	7,653.00	55.63	30.57	91.54	-3,620.07	1,103.03	3,859.88	3,779.53	80.35	48.040		
10,200.00	7,630.00	7,743.57	7,652.27	55.46	30.56	91.51	-3,620.07	1,103.03	3,767.40	3,686.76	80.64	46.718		
10,300.00	7,630.00	7,742.83	7,651.54	55.32	30.56	91.48	-3,620.08	1,103.02	3,675.32	3,594.36	80.96	45.399		
10,400.00	7,630.00	7,742.09	7,650.80	55.22	30.56	91.45	-3,620.09	1,103.02	3,583.66	3,502.37	81.29	44.083		
10,500.00	7,630.00	7,741.35	7,650.05	55.15	30.56	91.42	-3,620.09	1,103.02	3,492.46	3,410.80	81.65	42.771		
10,600.00	7,630.00	7,740.59	7,649.30	55.14	30.55	91.39	-3,620.10	1,103.01	3,401.75	3,319.71	82.04	41.464		
10,700.00	7,630.00	7,739.83	7,648.53	55.18	30.55	91.36	-3,620.11	1,103.01	3,311.58	3,229.12	82.45	40.163		
10,800.00	7,630.00	7,739.06	7,647.76	55.28	30.55	91.33	-3,620.11	1,103.00	3,221.98	3,139.09	82.90	38.868		
10,900.00	7,630.00	7,738.28	7,646.98	55.47	30.55	91.30	-3,620.12	1,103.00	3,133.02	3,049.65	83.37	37.579		
11,000.00	7,630.00	7,737.49	7,646.20	55.74	30.54	91.27	-3,620.13	1,102.99	3,044.74	2,960.86	83.88	36.299		
11,100.00	7,630.00	7,736.70	7,645.41	56.11	30.54	91.24	-3,620.13	1,102.99	2,957.21	2,872.78	84.43	35.027		
11,200.00	7,630.00	7,735.90	7,644.60	56.60	30.54	91.21	-3,620.14	1,102.98	2,870.49	2,785.47	85.01	33.765		
11,300.00	7,630.00	7,735.09	7,643.80	57.20	30.54	91.18	-3,620.15	1,102.98	2,784.66	2,699.02	85.64	32.515		
11,400.00	7,630.00	7,734.27	7,642.98	57.91	30.53	91.14	-3,620.16	1,102.97	2,699.81	2,613.49	86.32	31.278		
11,500.00	7,630.00	7,733.45	7,642.15	58.72	30.53	91.11	-3,620.16	1,102.97	2,616.02	2,528.98	87.04	30.055		
11,600.00	7,630.00	7,732.61	7,641.32	59.63	30.53	91.08	-3,620.17	1,102.96	2,533.42	2,445.60	87.82	28.848		
11,700.00	7,630.00	7,731.77	7,640.48	60.61	30.53	91.05	-3,620.18	1,102.96	2,452.11	2,363.46	88.65	27.660		
11,800.00	7,630.00	7,730.92	7,639.63	61.67	30.52	91.01	-3,620.19	1,102.96	2,372.23	2,282.68	89.54	26.492		
11,900.00	7,630.00	7,730.06	7,638.77	62.78	30.52	90.98	-3,620.19	1,102.95	2,293.92	2,203.42	90.50	25.347		
12,000.00	7,630.00	7,729.19	7,637.90	63.95	30.52	90.94	-3,620.20	1,102.95	2,217.36	2,125.85	91.52	24.229		
12,100.00	7,630.00	7,728.31	7,637.02	65.16	30.52	90.91	-3,620.21	1,102.94	2,142.74	2,050.13	92.60	23.139		
12,200.00	7,630.00	7,727.43	7,636.13	66.41	30.51	90.87	-3,620.22	1,102.94	2,070.25	1,976.50	93.75	22.082		
12,300.00	7,630.00	7,726.53	7,635.24	67.68	30.51	90.84	-3,620.23	1,102.93	2,000.14	1,905.17	94.97	21.061		
12,400.00	7,630.00	7,725.62	7,634.33	68.99	30.51	90.80	-3,620.24	1,102.93	1,932.66	1,836.41	96.25	20.080		
12,500.00	7,630.00	7,724.71	7,633.42	70.33	30.50	90.77	-3,620.25	1,102.92	1,868.09	1,770.51	97.58	19.143		
12,600.00	7,630.00	7,723.78	7,632.49	71.68	30.50	90.73	-3,620.25	1,102.91	1,806.76	1,707.79	98.97	18.255		
12,700.00	7,630.00	7,722.85	7,631.56	73.06	30.50	90.69	-3,620.26	1,102.91	1,748.99	1,648.60	100.39	17.421		
12,800.00	7,630.00	7,721.90	7,630.61	74.45	30.49	90.66	-3,620.27	1,102.90	1,695.17	1,593.33	101.84	16.645		
12,900.00	7,630.00	7,720.95	7,629.66	75.87	30.49	90.62	-3,620.28	1,102.90	1,645.66	1,542.37	103.28	15.933		
13,000.00	7,630.00	7,719.98	7,628.69	77.29	30.49	90.58	-3,620.29	1,102.89	1,600.87	1,496.17	104.70	15.290		
13,100.00	7,630.00	7,719.01	7,627.71	78.74	30.49	90.54	-3,620.30	1,102.89	1,561.22	1,455.15	106.06	14.720		
13,200.00	7,630.00	7,718.02	7,626.73	80.19	30.48	90.50	-3,620.31	1,102.88	1,527.09	1,419.76	107.33	14.228		
13,300.00	7,630.00	7,717.02	7,625.73	81.66	30.48	90.46	-3,620.32	1,102.88	1,498.86	1,390.39	108.47	13.818		
13,400.00	7,630.00	7,716.01	7,624.72	83.14	30.48	90.42	-3,620.33	1,102.87	1,476.88	1,367.44	109.44	13.495		
13,500.00	7,630.00	7,714.99	7,623.70	84.63	30.47	90.38	-3,620.34	1,102.87	1,461.43	1,351.22	110.21	13.261		
13,600.00	7,630.00	7,713.96	7,622.67	86.14	30.47	90.34	-3,620.35	1,102.86	1,452.71	1,341.97	110.74	13.118		
13,677.07	7,630.00	7,713.16	7,621.86	87.30	30.47	90.31	-3,620.36	1,102.86	1,450.66	1,339.68	110.99	13.071 CC, ES		
13,700.00	7,630.00	7,712.91	7,621.62	87.65	30.47	90.30	-3,620.36	1,102.85	1,450.84	1,339.82	111.03	13.067 SF		
13,800.00	7,630.00	7,711.86	7,620.57	89.17	30.46	90.26	-3,620.37	1,102.85	1,455.86	1,344.81	111.05	13.109		
13,900.00	7,630.00	7,710.79	7,619.50	90.70	30.46	90.22	-3,620.38	1,102.84	1,467.69	1,356.87	110.82	13.244		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
14,000.00	7,630.00	7,709.71	7,618.42	92.24	30.46	90.17	-3,620.40	1,102.84	1,486.17	1,375.82	110.35	13.468		
14,100.00	7,630.00	7,708.62	7,617.33	93.78	30.45	90.13	-3,620.41	1,102.83	1,511.05	1,401.39	109.66	13.780		
14,200.00	7,630.00	7,707.51	7,616.22	95.33	30.45	90.09	-3,620.42	1,102.83	1,542.03	1,433.25	108.78	14.176		
14,300.00	7,630.00	7,706.39	7,615.10	96.89	30.45	90.04	-3,620.43	1,102.82	1,578.74	1,471.00	107.75	14.652		
14,400.00	7,630.00	7,705.26	7,613.97	98.46	30.44	90.00	-3,620.44	1,102.81	1,620.80	1,514.20	106.60	15.205		
14,500.00	7,630.00	7,704.12	7,612.83	100.03	30.44	89.95	-3,620.45	1,102.81	1,667.80	1,562.43	105.37	15.828		
14,600.00	7,630.00	7,702.96	7,611.67	101.61	30.43	89.91	-3,620.47	1,102.80	1,719.34	1,615.25	104.09	16.518		
14,700.00	7,630.00	7,701.79	7,610.49	103.20	30.43	89.86	-3,620.48	1,102.79	1,775.02	1,672.23	102.79	17.268		
14,800.00	7,630.00	7,700.60	7,609.31	104.78	30.43	89.81	-3,620.49	1,102.79	1,834.46	1,732.97	101.49	18.075		
14,900.00	7,630.00	7,699.40	7,608.11	106.38	30.42	89.77	-3,620.51	1,102.78	1,897.32	1,797.10	100.21	18.933		
15,000.00	7,630.00	7,698.28	7,606.99	107.98	30.42	89.72	-3,620.52	1,102.78	1,963.26	1,864.29	98.97	19.837		
15,100.00	7,630.00	7,697.21	7,605.92	109.58	30.42	89.68	-3,620.53	1,102.77	2,031.98	1,934.21	97.77	20.784		
15,200.00	7,630.00	7,696.15	7,604.86	111.19	30.41	89.64	-3,620.54	1,102.77	2,103.21	2,006.59	96.62	21.768		
15,300.00	7,630.00	7,695.09	7,603.80	112.81	30.41	89.60	-3,620.55	1,102.76	2,176.70	2,081.18	95.52	22.787		
15,400.00	7,630.00	7,694.05	7,602.75	114.42	30.41	89.56	-3,620.56	1,102.75	2,252.24	2,157.75	94.48	23.837		
15,500.00	7,630.00	7,693.01	7,601.71	116.05	30.40	89.51	-3,620.58	1,102.75	2,329.62	2,236.11	93.51	24.914		
15,600.00	7,630.00	7,691.97	7,600.68	117.67	30.40	89.47	-3,620.59	1,102.74	2,408.66	2,316.08	92.58	26.016		
15,700.00	7,630.00	7,690.95	7,599.66	119.30	30.40	89.43	-3,620.60	1,102.74	2,489.22	2,397.50	91.72	27.139		
15,800.00	7,630.00	7,689.93	7,598.64	120.93	30.39	89.39	-3,620.61	1,102.73	2,571.14	2,480.23	90.91	28.282		
15,900.00	7,630.00	7,688.92	7,597.62	122.57	30.39	89.35	-3,620.62	1,102.73	2,654.29	2,564.14	90.15	29.442		
16,000.00	7,630.00	7,687.91	7,596.62	124.21	30.39	89.31	-3,620.63	1,102.72	2,738.58	2,649.13	89.44	30.618		
16,100.00	7,630.00	7,686.91	7,595.62	125.85	30.38	89.27	-3,620.64	1,102.72	2,823.89	2,735.10	88.78	31.806		
16,200.00	7,630.00	7,685.92	7,594.63	127.50	30.38	89.23	-3,620.65	1,102.71	2,910.13	2,821.96	88.17	33.007		
16,300.00	7,630.00	7,684.93	7,593.64	129.15	30.38	89.20	-3,620.66	1,102.71	2,997.23	2,909.64	87.59	34.217		
16,400.00	7,630.00	7,683.95	7,592.66	130.80	30.37	89.16	-3,620.67	1,102.70	3,085.11	2,998.06	87.06	35.437		
16,500.00	7,630.00	7,682.98	7,591.69	132.46	30.37	89.12	-3,620.68	1,102.70	3,173.71	3,087.15	86.56	36.665		
16,600.00	7,630.00	7,682.01	7,590.72	134.11	30.37	89.08	-3,620.69	1,102.69	3,262.97	3,176.88	86.09	37.900		
16,700.00	7,630.00	7,681.05	7,589.76	135.77	30.36	89.04	-3,620.70	1,102.69	3,352.83	3,267.17	85.66	39.141		
16,800.00	7,630.00	7,680.10	7,588.81	137.43	30.36	89.01	-3,620.71	1,102.68	3,443.25	3,358.00	85.26	40.387		
16,900.00	7,630.00	7,679.15	7,587.86	139.10	30.36	88.97	-3,620.72	1,102.68	3,534.19	3,449.31	84.88	41.638		
17,000.00	7,630.00	7,678.21	7,586.92	140.77	30.36	88.93	-3,620.73	1,102.67	3,625.61	3,541.08	84.53	42.892		
17,100.00	7,630.00	7,677.27	7,585.98	142.44	30.35	88.89	-3,620.74	1,102.67	3,717.46	3,633.26	84.20	44.150		
17,200.00	7,630.00	7,676.34	7,585.05	144.11	30.35	88.86	-3,620.75	1,102.66	3,809.73	3,725.84	83.90	45.410		
17,300.00	7,630.00	7,675.42	7,584.13	145.78	30.35	88.82	-3,620.76	1,102.66	3,902.38	3,818.77	83.61	46.673		
17,400.00	7,630.00	7,674.50	7,583.21	147.46	30.34	88.78	-3,620.77	1,102.66	3,995.38	3,912.03	83.35	47.937		
17,500.00	7,630.00	7,673.59	7,582.30	149.13	30.34	88.75	-3,620.78	1,102.65	4,088.71	4,005.61	83.10	49.203		
17,600.00	7,630.00	7,672.68	7,581.39	150.81	30.34	88.71	-3,620.79	1,102.65	4,182.35	4,099.48	82.87	50.470		
17,700.00	7,630.00	7,671.78	7,580.49	152.49	30.33	88.68	-3,620.80	1,102.64	4,276.28	4,193.63	82.65	51.737		
17,800.00	7,630.00	7,670.88	7,579.60	154.18	30.33	88.64	-3,620.81	1,102.64	4,370.48	4,288.02	82.45	53.006		
17,900.00	7,630.00	7,670.00	7,578.71	155.86	30.33	88.61	-3,620.82	1,102.63	4,464.93	4,382.66	82.27	54.274		
18,000.00	7,630.00	7,669.11	7,577.82	157.55	30.33	88.57	-3,620.82	1,102.63	4,559.61	4,477.52	82.09	55.543		
18,100.00	7,630.00	7,668.23	7,576.94	159.24	30.32	88.54	-3,620.83	1,102.62	4,654.52	4,572.59	81.93	56.811		
18,200.00	7,630.00	7,667.36	7,576.07	160.92	30.32	88.50	-3,620.84	1,102.62	4,749.64	4,667.86	81.78	58.079		
18,300.00	7,630.00	7,666.49	7,575.20	162.62	30.32	88.47	-3,620.85	1,102.62	4,844.95	4,763.31	81.64	59.346		
18,400.00	7,630.00	7,665.63	7,574.34	164.31	30.31	88.43	-3,620.86	1,102.61	4,940.45	4,858.94	81.51	60.613		
18,458.39	7,630.00	7,665.13	7,573.84	165.30	30.31	88.41	-3,620.86	1,102.61	4,996.29	4,914.86	81.44	61.352		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	174.81	-4,029.39	366.30	4,046.03					
100.00	100.00	96.45	96.45	0.13	0.16	174.80	-4,029.23	366.52	4,045.88	4,045.59	0.29	N/A		
200.00	200.00	245.82	245.79	0.49	0.69	174.77	-4,027.67	368.50	4,044.97	4,043.78	1.19	3,401.590		
300.00	300.00	305.00	304.94	0.85	0.91	174.75	-4,026.48	370.00	4,043.50	4,041.74	1.76	2,298.495		
320.94	320.94	305.00	304.94	0.93	0.91	174.75	-4,026.48	370.00	4,043.45	4,041.61	1.83	2,204.192		
400.00	400.00	305.00	304.94	1.21	0.91	174.75	-4,026.48	370.00	4,044.22	4,042.10	2.12	1,907.150		
429.61	429.61	386.27	386.15	1.32	1.21	174.71	-4,025.66	372.99	4,043.00	4,040.48	2.52	1,604.174		
500.00	500.00	416.36	416.20	1.57	1.32	174.69	-4,025.89	374.43	4,043.83	4,040.95	2.88	1,402.812		
600.00	600.00	459.06	458.83	1.93	1.47	174.65	-4,026.69	376.79	4,046.21	4,042.82	3.40	1,190.977		
700.00	700.00	501.69	501.35	2.29	1.63	174.62	-4,028.06	379.50	4,050.02	4,046.10	3.91	1,035.481		
800.00	800.00	544.22	543.73	2.64	1.78	174.58	-4,029.99	382.56	4,055.23	4,050.81	4.42	916.768		
900.00	900.00	639.00	637.94	3.00	2.13	174.47	-4,036.34	390.68	4,062.66	4,057.53	5.12	793.173		
1,000.00	1,000.00	639.00	637.94	3.36	2.13	174.47	-4,036.34	390.68	4,069.94	4,064.46	5.48	743.146		
1,100.00	1,100.00	674.40	673.05	3.72	2.27	174.43	-4,039.40	394.10	4,079.33	4,073.37	5.96	684.052		
1,200.00	1,199.98	731.00	729.08	4.07	2.50	123.10	-4,044.99	399.77	4,091.03	4,084.50	6.52	626.984		
1,300.00	1,299.84	758.33	756.08	4.43	2.61	122.83	-4,048.06	402.67	4,105.93	4,098.95	6.98	588.639		
1,400.00	1,399.45	793.16	790.41	4.79	2.76	122.51	-4,052.41	406.63	4,124.24	4,116.78	7.46	553.205		
1,500.00	1,498.70	825.00	821.70	5.15	2.89	122.13	-4,056.83	410.53	4,145.90	4,137.97	7.92	523.169		
1,600.00	1,597.47	864.87	860.76	5.53	3.07	121.70	-4,062.91	415.73	4,170.79	4,162.35	8.44	494.281		
1,700.00	1,695.62	920.00	914.53	5.93	3.32	121.24	-4,072.27	423.48	4,198.94	4,189.92	9.02	465.321		
1,800.00	1,793.06	920.00	914.53	6.35	3.32	120.68	-4,072.27	423.48	4,230.05	4,220.67	9.38	450.745		
1,900.00	1,889.64	972.13	965.13	6.79	3.58	120.12	-4,082.14	431.21	4,264.09	4,254.10	9.99	426.774		
2,000.00	1,985.27	1,014.00	1,005.60	7.27	3.78	119.51	-4,090.83	437.54	4,301.17	4,290.60	10.57	406.931		
2,100.00	2,079.82	1,049.36	1,039.67	7.79	3.97	118.83	-4,098.58	442.97	4,340.99	4,329.84	11.15	389.497		
2,200.00	2,173.17	1,108.00	1,096.00	8.36	4.28	118.18	-4,112.02	452.17	4,383.38	4,371.53	11.85	369.790		
2,300.00	2,265.21	1,175.56	1,160.86	8.97	4.65	117.52	-4,127.91	462.44	4,427.88	4,415.24	12.64	350.366		
2,400.00	2,355.84	1,312.10	1,292.38	9.64	5.40	117.13	-4,158.59	482.50	4,472.76	4,458.96	13.80	324.026		
2,500.00	2,444.94	1,369.00	1,347.05	10.36	5.72	116.41	-4,171.57	491.48	4,519.75	4,505.14	14.62	309.240		
2,591.69	2,525.19	1,470.08	1,443.99	11.07	6.31	115.94	-4,194.57	508.50	4,564.31	4,548.65	15.66	291.505		
2,600.00	2,532.40	1,482.74	1,456.13	11.14	6.38	116.00	-4,197.37	510.71	4,568.36	4,552.59	15.77	289.619		
2,700.00	2,619.15	1,551.02	1,521.62	11.96	6.78	116.30	-4,212.66	522.58	4,617.37	4,600.65	16.72	276.137		
2,800.00	2,705.89	1,616.26	1,584.13	12.81	7.17	116.58	-4,227.37	534.08	4,666.73	4,649.06	17.67	264.123		
2,900.00	2,792.64	1,686.23	1,651.06	13.67	7.59	116.87	-4,243.40	546.68	4,716.54	4,697.89	18.66	252.825		
3,000.00	2,879.39	1,793.15	1,753.36	14.55	8.24	117.31	-4,267.92	565.80	4,766.56	4,746.69	19.87	239.918		
3,100.00	2,966.14	1,890.57	1,846.65	15.44	8.83	117.69	-4,289.45	583.83	4,815.96	4,794.92	21.04	228.919		
3,200.00	3,052.88	1,969.34	1,922.20	16.34	9.30	118.01	-4,307.10	597.40	4,865.72	4,843.62	22.10	220.139		
3,300.00	3,139.63	2,074.08	2,022.84	17.25	9.93	118.43	-4,330.24	614.91	4,915.31	4,891.99	23.32	210.758		
3,400.00	3,226.38	2,125.00	2,071.77	18.17	10.23	118.63	-4,341.38	623.55	4,965.00	4,940.77	24.23	204.921		
3,500.00	3,313.12	2,181.41	2,125.85	19.09	10.58	118.84	-4,354.03	633.41	5,015.27	4,990.10	25.17	199.231		
3,600.00	3,399.87	2,222.46	2,165.06	20.02	10.83	119.00	-4,363.66	640.85	5,066.45	5,040.43	26.02	194.707		
3,700.00	3,486.62	2,332.71	2,270.41	20.96	11.51	119.40	-4,389.62	660.39	5,117.81	5,090.50	27.30	187.433		
3,800.00	3,573.37	2,483.78	2,415.02	21.90	12.44	119.94	-4,424.15	687.16	5,168.85	5,140.00	28.85	179.164		
3,900.00	3,660.11	2,542.28	2,471.14	22.84	12.80	120.14	-4,437.05	697.49	5,219.21	5,189.40	29.81	175.054		
4,000.00	3,746.86	2,595.00	2,521.54	23.78	13.12	120.32	-4,449.12	707.16	5,270.32	5,239.57	30.74	171.444		
4,100.00	3,833.61	2,733.63	2,654.17	24.73	13.98	120.77	-4,480.46	732.56	5,321.37	5,289.14	32.23	165.099		
4,200.00	3,920.35	2,838.16	2,754.46	25.68	14.62	121.11	-4,503.17	751.38	5,371.69	5,338.20	33.50	160.365		
4,300.00	4,007.10	2,906.93	2,820.50	26.63	15.04	121.34	-4,518.06	763.42	5,422.08	5,387.55	34.53	157.041		
4,400.00	4,093.85	2,971.00	2,881.96	27.59	15.43	121.54	-4,532.28	774.65	5,472.98	5,437.46	35.52	154.069		
4,500.00	4,180.60	3,049.79	2,957.50	28.55	15.91	121.79	-4,549.93	788.44	5,524.17	5,487.55	36.62	150.867		
4,600.00	4,267.34	3,119.47	3,024.31	29.50	16.33	122.00	-4,565.51	800.62	5,575.43	5,537.78	37.65	148.093		
4,700.00	4,354.09	3,188.92	3,090.81	30.46	16.76	122.22	-4,581.27	812.97	5,627.03	5,588.35	38.68	145.484		
4,800.00	4,440.84	3,287.01	3,184.72	31.42	17.37	122.51	-4,603.58	830.41	5,678.79	5,638.89	39.91	142.305		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,527.58	3,402.75	3,295.69	32.39	18.08	122.84	-4,629.11	851.18	5,729.98	5,688.72	41.26	138.880		
5,000.00	4,614.33	3,476.31	3,366.13	33.35	18.54	123.05	-4,645.31	864.84	5,781.26	5,738.94	42.32	136.603		
5,100.00	4,701.08	3,542.00	3,429.01	34.31	18.94	123.23	-4,659.90	876.98	5,832.78	5,789.45	43.33	134.617		
5,200.00	4,787.82	3,599.46	3,484.00	35.28	19.30	123.38	-4,672.87	887.45	5,884.68	5,840.41	44.27	132.921		
5,300.00	4,874.57	3,699.23	3,579.48	36.25	19.92	123.65	-4,695.72	905.26	5,936.98	5,891.46	45.51	130.440		
5,400.00	4,961.32	3,849.46	3,723.74	37.21	20.83	124.06	-4,728.40	931.49	5,988.18	5,941.07	47.11	127.111		
5,500.00	5,048.07	3,895.47	3,767.94	38.18	21.11	124.19	-4,738.39	939.42	6,039.59	5,991.63	47.96	125.921		
5,600.00	5,134.81	3,919.00	3,790.53	39.15	21.25	124.25	-4,743.61	943.48	6,091.67	6,043.02	48.65	125.218		
5,700.00	5,221.56	3,976.01	3,845.19	40.12	21.60	124.40	-4,756.64	953.07	6,144.27	6,094.70	49.57	123.960		
5,800.00	5,308.31	5,468.08	5,310.78	41.09	28.09	129.07	-4,933.01	1,094.48	6,190.43	6,132.46	57.97	106.780		
5,900.00	5,395.05	5,560.78	5,403.48	42.06	28.32	129.41	-4,932.73	1,095.25	6,224.16	6,165.22	58.94	105.593		
6,000.00	5,481.80	5,651.13	5,493.82	43.03	28.54	129.75	-4,932.42	1,095.84	6,258.08	6,198.17	59.90	104.471		
6,100.00	5,568.55	5,745.45	5,588.14	44.00	28.76	130.09	-4,931.97	1,096.49	6,292.08	6,231.21	60.87	103.373		
6,200.00	5,655.30	5,835.83	5,678.52	44.97	28.98	130.42	-4,931.51	1,097.13	6,326.24	6,264.43	61.82	102.340		
6,300.00	5,742.04	5,937.25	5,779.94	45.94	29.22	130.78	-4,930.82	1,097.68	6,360.47	6,297.68	62.79	101.298		
6,400.00	5,828.79	6,039.47	5,882.15	46.92	29.47	131.15	-4,929.87	1,098.12	6,394.68	6,330.92	63.76	100.296		
6,500.00	5,915.54	6,139.48	5,982.15	47.89	29.70	131.50	-4,928.72	1,098.53	6,428.89	6,364.18	64.71	99.343		
6,600.00	6,002.28	6,232.61	6,075.27	48.86	29.92	131.82	-4,927.49	1,098.89	6,463.15	6,397.50	65.65	98.455		
6,700.00	6,089.03	6,341.07	6,183.72	49.83	30.18	132.20	-4,925.95	1,099.36	6,497.51	6,430.89	66.62	97.531		
6,800.00	6,175.78	6,462.92	6,305.55	50.81	30.46	132.61	-4,923.59	1,100.01	6,531.58	6,463.95	67.63	96.578		
6,900.00	6,262.53	6,521.83	6,364.45	51.78	30.61	132.81	-4,922.42	1,100.40	6,565.79	6,497.33	68.45	95.919		
7,000.00	6,349.27	6,580.71	6,423.31	52.76	30.76	133.01	-4,921.59	1,101.04	6,600.59	6,531.32	69.27	95.290		
7,100.00	6,436.02	6,651.63	6,494.22	53.73	30.94	133.24	-4,920.82	1,101.91	6,635.85	6,565.72	70.12	94.631		
7,200.00	6,522.77	6,730.10	6,572.69	54.71	31.15	133.49	-4,920.14	1,102.94	6,671.44	6,600.44	71.00	93.961		
7,300.00	6,609.51	6,830.98	6,673.54	55.68	31.42	133.81	-4,919.29	1,104.41	6,707.20	6,635.24	71.96	93.213		
7,400.00	6,696.26	6,952.48	6,795.03	56.66	31.74	134.20	-4,917.79	1,106.42	6,742.73	6,669.76	72.98	92.396		
7,500.00	6,783.01	7,021.86	6,864.40	57.63	31.92	134.42	-4,916.78	1,107.04	6,778.35	6,704.55	73.81	91.841		
7,600.00	6,869.76	7,146.60	6,989.11	58.61	32.23	134.82	-4,914.70	1,107.08	6,814.08	6,739.29	74.80	91.099		
7,683.49	6,942.18	7,257.21	7,099.69	59.42	32.50	135.17	-4,912.14	1,106.85	6,843.60	6,767.96	75.64	90.476		
7,700.00	6,956.57	7,281.18	7,123.65	59.58	32.55	132.71	-4,911.49	1,106.74	6,849.17	6,773.36	75.81	90.345		
7,750.00	7,000.85	7,336.08	7,178.53	60.04	32.69	124.27	-4,909.86	1,106.38	6,863.28	6,786.99	76.28	89.973		
7,800.00	7,045.94	7,371.72	7,214.16	60.46	32.77	114.39	-4,908.82	1,106.12	6,873.29	6,796.59	76.70	89.615		
7,850.00	7,091.49	7,407.61	7,250.03	60.84	32.86	103.52	-4,907.82	1,105.85	6,879.17	6,802.06	77.12	89.206		
7,900.00	7,137.15	7,414.00	7,256.42	61.17	32.87	92.32	-4,907.65	1,105.80	6,880.98	6,803.54	77.44	88.860		
7,950.00	7,182.58	7,453.37	7,295.77	61.44	32.97	81.91	-4,906.73	1,105.56	6,878.61	6,800.75	77.85	88.354		
8,000.00	7,227.43	7,474.66	7,317.06	61.67	33.02	72.75	-4,906.34	1,105.48	6,872.23	6,794.03	78.20	87.882		
8,050.00	7,271.36	7,508.00	7,350.40	61.84	33.11	65.22	-4,905.90	1,105.41	6,861.86	6,783.29	78.57	87.337		
8,100.00	7,314.04	7,530.84	7,373.24	61.96	33.17	59.18	-4,905.65	1,105.40	6,847.48	6,768.59	78.89	86.799		
8,150.00	7,355.14	7,587.50	7,429.89	62.04	33.31	54.64	-4,904.97	1,105.51	6,829.10	6,749.79	79.31	86.106		
8,200.00	7,394.34	7,632.66	7,475.05	62.07	33.44	51.21	-4,904.38	1,105.73	6,806.82	6,727.14	79.68	85.427		
8,250.00	7,431.36	7,672.28	7,514.67	62.06	33.54	48.73	-4,903.86	1,106.06	6,780.85	6,700.84	80.02	84.744		
8,300.00	7,465.90	7,723.43	7,565.81	62.01	33.68	47.19	-4,903.18	1,106.67	6,751.40	6,671.02	80.38	83.995		
8,350.00	7,497.71	7,793.27	7,635.63	61.93	33.88	46.58	-4,901.98	1,107.76	6,718.55	6,637.75	80.80	83.155		
8,400.00	7,526.53	7,826.77	7,669.11	61.81	33.97	46.54	-4,901.32	1,108.37	6,682.62	6,601.55	81.07	82.430		
8,450.00	7,552.17	7,857.63	7,699.96	61.66	34.05	47.33	-4,900.68	1,108.96	6,643.97	6,562.65	81.32	81.699		
8,500.00	7,574.41	7,884.15	7,726.47	61.48	34.13	49.07	-4,900.12	1,109.49	6,602.88	6,521.33	81.55	80.970		
8,550.00	7,593.09	8,550.00	7,735.54	61.29	35.98	51.85	-4,899.93	1,109.66	6,559.69	6,475.99	83.70	78.370		
8,600.00	7,608.07	7,903.39	7,745.70	61.07	34.18	56.31	-4,899.72	1,109.86	6,514.71	6,432.86	81.84	79.600		
8,650.00	7,619.23	7,909.43	7,751.75	60.84	34.20	63.14	-4,899.60	1,109.96	6,468.28	6,386.31	81.97	78.915		
8,700.00	7,626.48	7,913.17	7,755.49	60.60	34.21	73.61	-4,899.52	1,110.02	6,420.74	6,338.67	82.07	78.233		
8,750.00	7,629.78	7,914.57	7,756.88	60.35	34.21	89.27	-4,899.50	1,110.04	6,372.43	6,290.27	82.17	77.556		
8,766.45	7,630.00	7,914.51	7,756.82	60.27	34.21	95.67	-4,899.50	1,110.04	6,356.43	6,274.24	82.19	77.335		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
8,800.00	7,630.00	7,914.12	7,756.43	60.10	34.21	95.65	-4,899.51	1,110.04	6,323.77	6,241.52	82.25	76.886		
8,900.00	7,630.00	7,912.96	7,755.27	59.61	34.21	95.61	-4,899.53	1,110.02	6,226.46	6,144.04	82.42	75.547		
9,000.00	7,630.00	7,911.80	7,754.11	59.15	34.20	95.56	-4,899.55	1,110.00	6,129.24	6,046.64	82.60	74.208		
9,100.00	7,630.00	7,910.62	7,752.93	58.71	34.20	95.51	-4,899.57	1,109.98	6,032.10	5,949.32	82.78	72.869		
9,200.00	7,630.00	7,909.43	7,751.74	58.30	34.20	95.47	-4,899.60	1,109.96	5,935.07	5,852.09	82.97	71.529		
9,300.00	7,630.00	7,908.23	7,750.54	57.91	34.19	95.42	-4,899.62	1,109.94	5,838.13	5,754.95	83.18	70.190		
9,400.00	7,630.00	7,907.02	7,749.33	57.54	34.19	95.37	-4,899.64	1,109.92	5,741.30	5,657.91	83.39	68.850		
9,500.00	7,630.00	7,905.80	7,748.11	57.19	34.19	95.32	-4,899.67	1,109.90	5,644.58	5,560.97	83.61	67.511		
9,600.00	7,630.00	7,904.57	7,746.88	56.87	34.18	95.27	-4,899.69	1,109.88	5,547.97	5,464.13	83.84	66.172		
9,700.00	7,630.00	7,903.32	7,745.64	56.57	34.18	95.23	-4,899.72	1,109.86	5,451.49	5,367.40	84.09	64.833		
9,800.00	7,630.00	7,902.07	7,744.38	56.30	34.18	95.18	-4,899.74	1,109.83	5,355.13	5,270.79	84.34	63.495		
9,900.00	7,630.00	7,900.80	7,743.11	56.05	34.17	95.13	-4,899.77	1,109.81	5,258.91	5,174.30	84.61	62.157		
10,000.00	7,630.00	7,899.52	7,741.83	55.82	34.17	95.08	-4,899.80	1,109.79	5,162.83	5,077.95	84.89	60.820		
10,100.00	7,630.00	7,898.22	7,740.54	55.63	34.17	95.02	-4,899.82	1,109.76	5,066.91	4,981.73	85.18	59.484		
10,200.00	7,630.00	7,896.92	7,739.23	55.46	34.16	94.97	-4,899.85	1,109.74	4,971.14	4,885.65	85.49	58.149		
10,300.00	7,630.00	7,885.00	7,727.32	55.32	34.13	94.50	-4,900.10	1,109.51	4,875.56	4,789.80	85.76	56.849		
10,400.00	7,630.00	7,901.99	7,744.31	55.22	34.18	95.17	-4,899.73	1,109.86	4,780.12	4,693.93	86.19	55.460		
10,500.00	7,630.00	7,899.42	7,741.74	55.15	34.17	95.07	-4,899.79	1,109.81	4,684.89	4,598.35	86.54	54.134		
10,600.00	7,630.00	7,896.86	7,739.18	55.14	34.16	94.97	-4,899.84	1,109.75	4,589.87	4,502.96	86.91	52.810		
10,700.00	7,630.00	7,894.32	7,736.64	55.18	34.16	94.87	-4,899.90	1,109.70	4,495.06	4,407.76	87.30	51.488		
10,800.00	7,630.00	7,891.79	7,734.10	55.28	34.15	94.77	-4,899.95	1,109.65	4,400.49	4,312.77	87.71	50.169		
10,900.00	7,630.00	7,889.27	7,731.59	55.47	34.14	94.67	-4,900.01	1,109.60	4,306.15	4,218.01	88.15	48.852		
11,000.00	7,630.00	7,886.76	7,729.08	55.74	34.13	94.57	-4,900.06	1,109.54	4,212.08	4,123.48	88.60	47.538		
11,100.00	7,630.00	7,884.27	7,726.59	56.11	34.13	94.47	-4,900.12	1,109.49	4,118.28	4,029.20	89.09	46.228		
11,200.00	7,630.00	7,881.79	7,724.11	56.60	34.12	94.37	-4,900.17	1,109.44	4,024.79	3,935.19	89.59	44.922		
11,300.00	7,630.00	7,879.33	7,721.65	57.20	34.11	94.28	-4,900.22	1,109.39	3,931.61	3,841.47	90.13	43.621		
11,400.00	7,630.00	7,876.87	7,719.20	57.91	34.11	94.18	-4,900.28	1,109.34	3,838.77	3,748.07	90.70	42.324		
11,500.00	7,630.00	7,874.43	7,716.76	58.72	34.10	94.08	-4,900.33	1,109.29	3,746.30	3,655.00	91.30	41.033		
11,600.00	7,630.00	7,872.01	7,714.33	59.63	34.09	93.99	-4,900.38	1,109.25	3,654.22	3,562.29	91.94	39.747		
11,700.00	7,630.00	7,869.59	7,711.92	60.61	34.09	93.89	-4,900.43	1,109.20	3,562.57	3,469.96	92.61	38.469		
11,800.00	7,630.00	7,867.19	7,709.52	61.67	34.08	93.79	-4,900.48	1,109.15	3,471.38	3,378.06	93.32	37.198		
11,900.00	7,630.00	7,864.80	7,707.13	62.78	34.07	93.70	-4,900.53	1,109.10	3,380.69	3,286.61	94.08	35.935		
12,000.00	7,630.00	7,862.42	7,704.75	63.95	34.07	93.61	-4,900.58	1,109.06	3,290.53	3,195.65	94.88	34.681		
12,100.00	7,630.00	7,860.06	7,702.39	65.16	34.06	93.51	-4,900.63	1,109.01	3,200.96	3,105.23	95.73	33.437		
12,200.00	7,630.00	7,857.70	7,700.03	66.41	34.05	93.42	-4,900.68	1,108.96	3,112.02	3,015.39	96.63	32.205		
12,300.00	7,630.00	7,855.36	7,697.69	67.68	34.05	93.33	-4,900.73	1,108.92	3,023.77	2,926.18	97.59	30.984		
12,400.00	7,630.00	7,853.03	7,695.36	68.99	34.04	93.23	-4,900.78	1,108.87	2,936.28	2,837.67	98.61	29.778		
12,500.00	7,630.00	7,850.71	7,693.05	70.33	34.03	93.14	-4,900.83	1,108.83	2,849.60	2,749.91	99.69	28.586		
12,600.00	7,630.00	7,848.41	7,690.74	71.68	34.03	93.05	-4,900.87	1,108.78	2,763.82	2,662.99	100.83	27.410		
12,700.00	7,630.00	7,846.11	7,688.45	73.06	34.02	92.96	-4,900.92	1,108.74	2,679.03	2,576.98	102.05	26.252		
12,800.00	7,630.00	7,843.83	7,686.17	74.45	34.02	92.87	-4,900.97	1,108.69	2,595.32	2,491.98	103.34	25.114		
12,900.00	7,630.00	7,841.56	7,683.90	75.87	34.01	92.78	-4,901.02	1,108.65	2,512.80	2,408.09	104.71	23.998		
13,000.00	7,630.00	7,839.30	7,681.64	77.29	34.00	92.69	-4,901.06	1,108.61	2,431.58	2,325.43	106.16	22.906		
13,100.00	7,630.00	7,837.05	7,679.39	78.74	34.00	92.60	-4,901.11	1,108.56	2,351.82	2,244.13	107.69	21.840		
13,200.00	7,630.00	7,834.81	7,677.15	80.19	33.99	92.51	-4,901.15	1,108.52	2,273.65	2,164.35	109.30	20.802		
13,300.00	7,630.00	7,832.58	7,674.93	81.66	33.98	92.42	-4,901.20	1,108.48	2,197.25	2,086.25	111.00	19.795		
13,400.00	7,630.00	7,830.37	7,672.71	83.14	33.98	92.33	-4,901.24	1,108.44	2,122.81	2,010.03	112.78	18.822		
13,500.00	7,630.00	7,828.17	7,670.51	84.63	33.97	92.25	-4,901.29	1,108.40	2,050.55	1,935.90	114.64	17.886		
13,600.00	7,630.00	7,825.97	7,668.32	86.14	33.97	92.16	-4,901.33	1,108.36	1,980.69	1,864.12	116.57	16.991		
13,700.00	7,630.00	7,823.79	7,666.13	87.65	33.96	92.07	-4,901.38	1,108.32	1,913.51	1,794.95	118.57	16.139		
13,800.00	7,630.00	7,821.62	7,663.96	89.17	33.95	91.99	-4,901.42	1,108.28	1,849.30	1,728.70	120.60	15.334		
13,900.00	7,630.00	7,819.46	7,661.80	90.70	33.95	91.90	-4,901.46	1,108.24	1,788.38	1,665.71	122.67	14.579		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
14,000.00	7,630.00	7,817.30	7,659.65	92.24	33.94	91.81	-4,901.51	1,108.20	1,731.09	1,606.37	124.72	13.880		
14,100.00	7,630.00	7,815.16	7,657.51	93.78	33.94	91.73	-4,901.55	1,108.16	1,677.80	1,551.06	126.74	13.238		
14,200.00	7,630.00	7,813.03	7,655.38	95.33	33.93	91.64	-4,901.59	1,108.12	1,628.92	1,500.24	128.68	12.659		
14,300.00	7,630.00	7,810.91	7,653.27	96.89	33.92	91.56	-4,901.64	1,108.08	1,584.84	1,454.35	130.49	12.145		
14,400.00	7,630.00	7,808.81	7,651.16	98.46	33.92	91.48	-4,901.68	1,108.04	1,545.98	1,413.86	132.11	11.702		
14,500.00	7,630.00	7,806.71	7,649.06	100.03	33.91	91.39	-4,901.72	1,108.00	1,512.74	1,379.24	133.50	11.331		
14,600.00	7,630.00	7,805.63	7,647.98	101.61	33.91	91.35	-4,901.73	1,107.99	1,485.49	1,350.89	134.60	11.036		
14,700.00	7,630.00	7,803.33	7,645.68	103.20	33.90	91.26	-4,901.78	1,107.94	1,464.58	1,329.24	135.34	10.821		
14,800.00	7,630.00	7,801.07	7,643.42	104.78	33.90	91.17	-4,901.83	1,107.90	1,450.27	1,314.58	135.69	10.688		
14,900.00	7,630.00	7,798.84	7,641.20	106.38	33.89	91.08	-4,901.87	1,107.86	1,442.77	1,307.14	135.62	10.638 SF		
14,958.58	7,630.00	7,797.56	7,639.91	107.32	33.89	91.03	-4,901.90	1,107.84	1,441.58	1,306.19	135.39	10.648 CC, ES		
15,000.00	7,630.00	7,796.65	7,639.01	107.98	33.88	90.99	-4,901.92	1,107.82	1,442.17	1,307.04	135.14	10.672		
15,100.00	7,630.00	7,794.50	7,636.85	109.58	33.88	90.91	-4,901.96	1,107.78	1,448.50	1,314.26	134.24	10.791		
15,200.00	7,630.00	7,792.37	7,634.73	111.19	33.87	90.82	-4,902.00	1,107.75	1,461.65	1,328.69	132.96	10.993		
15,300.00	7,630.00	7,790.28	7,632.64	112.81	33.87	90.74	-4,902.04	1,107.71	1,481.44	1,350.10	131.34	11.280		
15,400.00	7,630.00	7,788.22	7,630.58	114.42	33.86	90.66	-4,902.08	1,107.67	1,507.62	1,378.18	129.44	11.647		
15,500.00	7,630.00	7,786.19	7,628.55	116.05	33.86	90.58	-4,902.12	1,107.64	1,539.86	1,412.53	127.33	12.093		
15,600.00	7,630.00	7,784.19	7,626.55	117.67	33.85	90.50	-4,902.16	1,107.60	1,577.78	1,452.71	125.07	12.615		
15,700.00	7,630.00	7,782.22	7,624.58	119.30	33.84	90.42	-4,902.19	1,107.57	1,621.00	1,498.28	122.71	13.210		
15,800.00	7,630.00	7,780.28	7,622.64	120.93	33.84	90.34	-4,902.23	1,107.54	1,669.09	1,548.77	120.31	13.873		
15,900.00	7,630.00	7,778.36	7,620.72	122.57	33.83	90.27	-4,902.27	1,107.50	1,721.65	1,603.72	117.92	14.600		
16,000.00	7,630.00	7,776.48	7,618.84	124.21	33.83	90.19	-4,902.30	1,107.47	1,778.28	1,662.71	115.57	15.387		
16,100.00	7,630.00	7,774.62	7,616.98	125.85	33.82	90.12	-4,902.34	1,107.44	1,838.60	1,725.33	113.28	16.231		
16,200.00	7,630.00	7,772.78	7,615.15	127.50	33.82	90.05	-4,902.37	1,107.41	1,902.28	1,791.20	111.08	17.126		
16,300.00	7,630.00	7,770.98	7,613.34	129.15	33.81	89.97	-4,902.40	1,107.38	1,968.97	1,859.99	108.98	18.068		
16,400.00	7,630.00	7,769.19	7,611.56	130.80	33.81	89.90	-4,902.43	1,107.35	2,038.39	1,931.40	106.99	19.053		
16,500.00	7,630.00	7,767.44	7,609.80	132.46	33.80	89.83	-4,902.47	1,107.32	2,110.26	2,005.15	105.11	20.077		
16,600.00	7,630.00	7,765.70	7,608.07	134.11	33.80	89.76	-4,902.50	1,107.30	2,184.35	2,081.00	103.34	21.137		
16,700.00	7,630.00	7,763.99	7,606.36	135.77	33.79	89.70	-4,902.53	1,107.27	2,260.43	2,158.74	101.69	22.229		
16,800.00	7,630.00	7,762.31	7,604.67	137.43	33.79	89.63	-4,902.56	1,107.24	2,338.31	2,238.16	100.14	23.349		
16,900.00	7,630.00	7,760.64	7,603.01	139.10	33.79	89.56	-4,902.58	1,107.21	2,417.82	2,319.11	98.70	24.495		
17,000.00	7,630.00	7,759.00	7,601.37	140.77	33.78	89.50	-4,902.61	1,107.19	2,498.79	2,401.43	97.36	25.664		
17,100.00	7,630.00	7,757.38	7,599.75	142.44	33.78	89.43	-4,902.64	1,107.16	2,581.11	2,484.99	96.12	26.854		
17,200.00	7,630.00	7,755.79	7,598.15	144.11	33.77	89.37	-4,902.67	1,107.14	2,664.63	2,569.67	94.96	28.061		
17,300.00	7,630.00	7,754.21	7,596.58	145.78	33.77	89.31	-4,902.69	1,107.11	2,749.25	2,655.37	93.88	29.283		
17,400.00	7,630.00	7,752.65	7,595.02	147.46	33.76	89.25	-4,902.72	1,107.09	2,834.87	2,741.99	92.89	30.520		
17,500.00	7,630.00	7,751.12	7,593.49	149.13	33.76	89.19	-4,902.75	1,107.07	2,921.41	2,829.45	91.96	31.769		
17,600.00	7,630.00	7,749.60	7,591.97	150.81	33.75	89.12	-4,902.77	1,107.04	3,008.77	2,917.67	91.10	33.027		
17,700.00	7,630.00	7,748.10	7,590.47	152.49	33.75	89.07	-4,902.80	1,107.02	3,096.91	3,006.60	90.30	34.295		
17,800.00	7,630.00	7,746.62	7,589.00	154.18	33.75	89.01	-4,902.82	1,107.00	3,185.74	3,096.18	89.56	35.571		
17,900.00	7,630.00	7,745.17	7,587.54	155.86	33.74	88.95	-4,902.84	1,106.98	3,275.21	3,186.34	88.87	36.852		
18,000.00	7,630.00	7,743.72	7,586.10	157.55	33.74	88.89	-4,902.87	1,106.96	3,365.28	3,277.05	88.24	38.140		
18,100.00	7,630.00	7,742.30	7,584.67	159.24	33.73	88.84	-4,902.89	1,106.93	3,455.89	3,368.25	87.64	39.431		
18,200.00	7,630.00	7,740.90	7,583.27	160.92	33.73	88.78	-4,902.91	1,106.91	3,547.01	3,459.92	87.09	40.726		
18,300.00	7,630.00	7,739.51	7,581.88	162.62	33.73	88.72	-4,902.93	1,106.89	3,638.59	3,552.01	86.58	42.024		
18,400.00	7,630.00	7,738.14	7,580.51	164.31	33.72	88.67	-4,902.96	1,106.87	3,730.61	3,644.50	86.11	43.325		
18,458.39	7,630.00	7,737.35	7,579.72	165.30	33.72	88.64	-4,902.97	1,106.86	3,784.52	3,698.68	85.85	44.085		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	134.58	-2,139.37	2,171.05	3,048.42					
100.00	100.00	51.11	51.11	0.13	0.08	134.58	-2,139.31	2,171.09	3,048.00	3,047.78	0.22	N/A		
200.00	200.00	157.28	157.28	0.49	0.36	134.57	-2,138.91	2,171.33	3,047.89	3,047.04	0.86	3,558.128		
300.00	300.00	257.17	257.17	0.85	0.71	134.57	-2,138.58	2,171.23	3,047.59	3,046.03	1.57	1,946.745		
400.00	400.00	352.61	352.61	1.21	1.04	134.57	-2,138.68	2,170.94	3,047.45	3,045.19	2.25	1,351.945		
500.00	500.00	453.13	453.13	1.57	1.39	134.58	-2,138.88	2,170.65	3,047.38	3,044.42	2.96	1,028.558		
600.00	600.00	555.01	555.01	1.93	1.75	134.59	-2,139.27	2,170.05	3,047.23	3,043.55	3.68	827.926		
700.00	700.00	657.09	657.08	2.29	2.12	134.61	-2,139.70	2,169.36	3,047.05	3,042.65	4.40	692.278		
800.00	800.00	767.43	767.41	2.64	2.51	134.63	-2,140.20	2,168.31	3,046.69	3,041.54	5.15	591.193		
900.00	900.00	870.42	870.39	3.00	2.88	134.65	-2,140.66	2,166.88	3,046.01	3,040.13	5.88	518.001		
1,000.00	1,000.00	958.86	958.82	3.36	3.19	134.67	-2,141.21	2,165.67	3,045.49	3,038.93	6.56	464.589		
1,100.00	1,100.00	1,049.95	1,049.90	3.72	3.52	134.70	-2,142.15	2,164.64	3,045.40	3,038.16	7.24	420.676		
1,133.50	1,133.50	1,082.66	1,082.61	3.84	3.64	83.65	-2,142.53	2,164.27	3,045.38	3,037.91	7.48	407.399		
1,200.00	1,199.98	1,157.02	1,156.96	4.07	3.90	83.71	-2,143.37	2,163.37	3,045.17	3,037.19	7.98	381.718		
1,300.00	1,299.84	1,263.08	1,263.00	4.43	4.28	83.86	-2,144.37	2,161.78	3,044.21	3,035.50	8.71	349.447		
1,400.00	1,399.45	1,362.04	1,361.95	4.79	4.64	84.09	-2,145.44	2,160.12	3,042.86	3,033.44	9.42	322.861		
1,500.00	1,498.70	1,462.88	1,462.76	5.15	5.00	84.39	-2,146.58	2,158.37	3,041.21	3,031.06	10.15	299.551		
1,600.00	1,597.47	1,561.26	1,561.12	5.53	5.36	84.75	-2,147.67	2,156.59	3,039.23	3,028.34	10.88	279.237		
1,700.00	1,695.62	1,657.01	1,656.84	5.93	5.70	85.18	-2,148.82	2,154.84	3,037.11	3,025.48	11.62	261.289		
1,800.00	1,793.06	1,754.65	1,754.46	6.35	6.05	85.67	-2,149.96	2,153.15	3,034.90	3,022.51	12.39	244.894		
1,900.00	1,889.64	1,858.15	1,857.95	6.79	6.42	86.26	-2,151.02	2,151.33	3,032.55	3,019.33	13.21	229.538		
2,000.00	1,985.27	1,961.87	1,961.65	7.27	6.80	86.92	-2,151.74	2,149.40	3,029.94	3,015.88	14.06	215.426		
2,100.00	2,079.82	2,059.93	2,059.68	7.79	7.15	87.61	-2,152.15	2,147.55	3,027.30	3,012.36	14.94	202.668		
2,200.00	2,173.17	2,156.37	2,156.10	8.36	7.50	88.34	-2,152.39	2,145.78	3,024.84	3,008.99	15.85	190.867		
2,300.00	2,265.21	2,254.85	2,254.58	8.97	7.85	89.13	-2,152.28	2,144.13	3,022.62	3,005.81	16.81	179.772		
2,400.00	2,355.84	2,344.07	2,343.78	9.64	8.17	89.90	-2,151.89	2,142.70	3,020.75	3,002.95	17.80	169.714		
2,500.00	2,444.94	2,425.38	2,425.08	10.36	8.46	90.63	-2,151.67	2,141.54	3,019.74	3,000.93	18.81	160.510		
2,558.33	2,496.16	2,474.33	2,474.03	10.81	8.63	91.09	-2,151.62	2,140.85	3,019.58	3,000.13	19.44	155.304		
2,591.69	2,525.19	2,503.14	2,502.84	11.07	8.73	91.36	-2,151.61	2,140.44	3,019.63	2,999.82	19.81	152.451		
2,600.00	2,532.40	2,513.65	2,513.34	11.14	8.77	91.46	-2,151.61	2,140.28	3,019.66	2,999.74	19.91	151.654		
2,700.00	2,619.15	2,628.64	2,628.31	11.96	9.18	92.57	-2,150.94	2,138.13	3,019.84	2,998.70	21.14	142.831		
2,800.00	2,705.89	2,728.10	2,727.75	12.81	9.53	93.52	-2,149.98	2,135.97	3,020.49	2,998.15	22.34	135.219		
2,900.00	2,792.64	2,841.37	2,840.96	13.67	9.93	94.60	-2,147.75	2,133.30	3,021.14	2,997.55	23.59	128.053		
3,000.00	2,879.39	2,923.69	2,923.23	14.55	10.22	95.39	-2,146.04	2,131.06	3,022.42	2,997.66	24.76	122.093		
3,100.00	2,966.14	2,993.94	2,993.45	15.44	10.47	96.07	-2,144.79	2,129.34	3,024.88	2,998.99	25.89	116.858		
3,200.00	3,052.88	3,074.19	3,073.67	16.34	10.76	96.83	-2,143.46	2,127.80	3,028.50	3,001.45	27.05	111.944		
3,300.00	3,139.63	3,151.09	3,150.55	17.25	11.03	97.55	-2,142.17	2,126.66	3,033.15	3,004.93	28.21	107.505		
3,400.00	3,226.38	3,224.99	3,224.44	18.17	11.29	98.24	-2,141.22	2,125.66	3,038.94	3,009.57	29.37	103.488		
3,500.00	3,313.12	3,297.45	3,296.89	19.09	11.54	98.92	-2,140.54	2,124.88	3,045.93	3,015.41	30.51	99.830		
3,600.00	3,399.87	3,372.01	3,371.45	20.02	11.81	99.62	-2,140.07	2,124.33	3,054.09	3,022.43	31.66	96.457		
3,700.00	3,486.62	3,453.16	3,452.60	20.96	12.09	100.37	-2,139.74	2,123.95	3,063.33	3,030.49	32.84	93.293		
3,800.00	3,573.37	3,538.65	3,538.09	21.90	12.40	101.16	-2,139.47	2,123.56	3,073.41	3,039.39	34.02	90.338		
3,900.00	3,660.11	3,624.91	3,624.34	22.84	12.70	101.95	-2,139.21	2,123.17	3,084.28	3,049.08	35.21	87.607		
4,000.00	3,746.86	3,711.51	3,710.95	23.78	13.01	102.74	-2,138.93	2,122.82	3,095.93	3,059.54	36.39	85.086		
4,100.00	3,833.61	3,797.72	3,797.15	24.73	13.32	103.52	-2,138.65	2,122.50	3,108.34	3,070.78	37.56	82.761		
4,200.00	3,920.35	3,880.46	3,879.89	25.68	13.61	104.26	-2,138.42	2,122.25	3,121.56	3,082.85	38.71	80.639		
4,300.00	4,007.10	3,969.32	3,968.75	26.63	13.93	105.06	-2,138.25	2,121.92	3,135.56	3,095.68	39.88	78.624		
4,400.00	4,093.85	4,062.15	4,061.57	27.59	14.26	105.89	-2,138.07	2,121.23	3,150.16	3,109.10	41.06	76.724		
4,500.00	4,180.60	4,158.82	4,158.24	28.55	14.60	106.75	-2,137.73	2,120.20	3,165.27	3,123.03	42.24	74.929		
4,600.00	4,267.34	4,256.14	4,255.55	29.50	14.95	107.61	-2,137.18	2,118.72	3,180.81	3,137.38	43.42	73.254		
4,700.00	4,354.09	4,348.36	4,347.76	30.46	15.28	108.42	-2,136.39	2,117.26	3,196.81	3,152.24	44.57	71.724		
4,800.00	4,440.84	4,434.61	4,433.99	31.42	15.59	109.18	-2,135.62	2,115.80	3,213.45	3,167.76	45.69	70.335		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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				
4,900.00	4,527.58	4,524.33	4,523.68	32.39	15.91	109.96	-2,134.94	2,114.02	3,230.84	3,184.04	46.81	69.023				
5,000.00	4,614.33	4,629.21	4,628.53	33.35	16.29	110.87	-2,133.74	2,111.45	3,248.49	3,200.51	47.98	67.711				
5,100.00	4,701.08	4,714.30	4,713.58	34.31	16.59	111.61	-2,132.63	2,109.23	3,266.67	3,217.61	49.06	66.588				
5,200.00	4,787.82	4,796.78	4,796.03	35.28	16.89	112.32	-2,131.61	2,107.09	3,285.61	3,235.49	50.12	65.556				
5,300.00	4,874.57	4,884.68	4,883.90	36.25	17.21	113.06	-2,130.54	2,104.91	3,305.24	3,254.05	51.19	64.567				
5,400.00	4,961.32	4,967.62	4,966.80	37.21	17.50	113.76	-2,129.51	2,102.92	3,325.54	3,273.31	52.23	63.668				
5,500.00	5,048.07	5,052.53	5,051.68	38.18	17.81	114.46	-2,128.53	2,100.93	3,346.58	3,293.30	53.27	62.822				
5,600.00	5,134.81	5,139.01	5,138.14	39.15	18.12	115.17	-2,127.52	2,098.97	3,368.23	3,313.93	54.31	62.024				
5,700.00	5,221.56	5,232.53	5,231.63	40.12	18.45	115.93	-2,126.38	2,096.91	3,390.49	3,335.13	55.36	61.248				
5,800.00	5,308.31	5,335.66	5,334.73	41.09	18.82	116.74	-2,124.50	2,095.19	3,412.89	3,356.45	56.44	60.474				
5,900.00	5,395.05	5,423.84	5,422.88	42.06	19.13	117.43	-2,122.65	2,094.11	3,435.71	3,378.27	57.45	59.809				
6,000.00	5,481.80	5,510.15	5,509.17	43.03	19.43	118.08	-2,120.79	2,093.40	3,459.08	3,400.64	58.44	59.194				
6,100.00	5,568.55	5,591.30	5,590.30	44.00	19.72	118.69	-2,119.08	2,093.05	3,483.07	3,423.67	59.40	58.641				
6,200.00	5,655.30	5,674.28	5,673.26	44.97	20.01	119.30	-2,117.43	2,092.89	3,507.71	3,447.36	60.35	58.120				
6,300.00	5,742.04	5,756.77	5,755.74	45.94	20.29	119.90	-2,115.89	2,092.75	3,532.96	3,471.66	61.30	57.635				
6,400.00	5,828.79	5,841.06	5,840.02	46.92	20.59	120.51	-2,114.42	2,092.63	3,558.81	3,496.57	62.24	57.177				
6,500.00	5,915.54	5,927.40	5,926.34	47.89	20.89	121.12	-2,112.95	2,092.51	3,585.18	3,521.99	63.18	56.741				
6,600.00	6,002.28	6,012.22	6,011.15	48.86	21.18	121.71	-2,111.54	2,092.39	3,612.05	3,547.93	64.11	56.340				
6,700.00	6,089.03	6,092.77	6,091.69	49.83	21.46	122.27	-2,110.30	2,092.28	3,639.49	3,574.48	65.01	55.981				
6,800.00	6,175.78	6,187.03	6,185.94	50.81	21.79	122.92	-2,108.87	2,092.14	3,667.40	3,601.43	65.96	55.597				
6,900.00	6,262.53	6,284.55	6,283.45	51.78	22.13	123.58	-2,107.14	2,091.94	3,695.52	3,628.60	66.92	55.222				
7,000.00	6,349.27	6,357.86	6,356.74	52.76	22.39	124.07	-2,105.83	2,091.79	3,724.07	3,656.31	67.76	54.956				
7,100.00	6,436.02	6,432.86	6,431.74	53.73	22.65	124.56	-2,104.84	2,091.71	3,753.44	3,684.83	68.61	54.710				
7,200.00	6,522.77	6,518.18	6,517.05	54.71	22.95	125.12	-2,103.82	2,091.59	3,783.33	3,713.84	69.49	54.447				
7,300.00	6,609.51	6,603.92	6,602.78	55.68	23.25	125.67	-2,102.84	2,091.45	3,813.66	3,743.29	70.36	54.202				
7,400.00	6,696.26	6,684.25	6,683.11	56.66	23.54	126.18	-2,102.00	2,091.31	3,844.47	3,773.26	71.20	53.993				
7,500.00	6,783.01	6,763.62	6,762.47	57.63	23.81	126.68	-2,101.31	2,091.32	3,875.82	3,803.79	72.03	53.808				
7,600.00	6,869.76	6,860.13	6,858.98	58.61	24.14	127.27	-2,100.57	2,091.83	3,907.60	3,834.67	72.93	53.581				
7,683.49	6,942.18	6,942.54	6,941.39	59.42	24.42	127.76	-2,099.62	2,092.49	3,934.12	3,860.44	73.68	53.392				
7,700.00	6,956.57	6,957.32	6,956.16	59.58	24.47	125.39	-2,099.44	2,092.62	3,939.16	3,865.33	73.82	53.358				
7,750.00	7,000.85	7,002.89	7,001.72	60.04	24.63	117.23	-2,098.88	2,093.01	3,951.67	3,877.42	74.26	53.216				
7,800.00	7,045.94	7,050.77	7,049.60	60.46	24.79	107.63	-2,098.27	2,093.44	3,960.00	3,885.31	74.70	53.013				
7,850.00	7,091.49	7,099.12	7,097.94	60.84	24.96	97.00	-2,097.62	2,093.91	3,964.08	3,888.94	75.14	52.759				
7,900.00	7,137.15	7,146.43	7,145.25	61.17	25.12	86.09	-2,096.97	2,094.38	3,963.88	3,888.32	75.56	52.461				
7,950.00	7,182.58	7,193.42	7,192.23	61.44	25.28	75.80	-2,096.30	2,094.86	3,959.42	3,883.45	75.97	52.121				
8,000.00	7,227.43	7,243.25	7,242.05	61.67	25.45	66.81	-2,095.56	2,095.38	3,950.71	3,874.34	76.37	51.731				
8,050.00	7,271.36	7,292.56	7,291.35	61.84	25.62	59.37	-2,094.76	2,095.95	3,937.80	3,861.04	76.75	51.304				
8,100.00	7,314.04	7,347.42	7,346.20	61.96	25.81	53.48	-2,093.76	2,096.66	3,920.75	3,843.61	77.15	50.823				
8,150.00	7,355.14	7,401.32	7,400.08	62.04	26.00	48.91	-2,092.60	2,097.46	3,899.65	3,822.13	77.52	50.307				
8,200.00	7,394.34	7,433.03	7,431.78	62.07	26.10	45.30	-2,091.90	2,097.95	3,874.77	3,797.00	77.77	49.824				
8,250.00	7,431.36	7,463.40	7,462.14	62.06	26.21	42.61	-2,091.28	2,098.38	3,846.37	3,768.37	78.00	49.313				
8,300.00	7,465.90	7,491.69	7,490.42	62.01	26.31	40.69	-2,090.74	2,098.76	3,814.66	3,736.46	78.21	48.777				
8,350.00	7,497.71	7,521.11	7,519.84	61.93	26.41	39.52	-2,090.21	2,099.12	3,779.85	3,701.45	78.40	48.210				
8,400.00	7,526.53	7,549.10	7,547.81	61.81	26.50	39.02	-2,089.71	2,099.42	3,742.16	3,663.58	78.59	47.619				
8,450.00	7,552.17	7,573.82	7,572.53	61.66	26.59	39.23	-2,089.26	2,099.66	3,701.86	3,623.12	78.74	47.013				
8,500.00	7,574.41	7,595.11	7,593.81	61.48	26.66	40.26	-2,088.88	2,099.84	3,659.24	3,580.37	78.87	46.394				
8,550.00	7,593.09	7,612.10	7,610.81	61.29	26.72	42.34	-2,088.57	2,099.97	3,614.62	3,535.64	78.98	45.766				
8,600.00	7,608.07	7,625.36	7,624.06	61.07	26.77	46.03	-2,088.34	2,100.07	3,568.32	3,489.26	79.06	45.132				
8,650.00	7,619.23	7,635.03	7,633.73	60.84	26.80	52.47	-2,088.17	2,100.15	3,520.68	3,441.55	79.13	44.492				
8,700.00	7,626.48	7,641.04	7,639.74	60.60	26.82	64.28	-2,088.06	2,100.19	3,472.05	3,392.87	79.18	43.850				
8,750.00	7,629.78	7,643.33	7,642.03	60.35	26.83	86.95	-2,088.02	2,100.21	3,422.78	3,343.56	79.21	43.209				
8,766.45	7,630.00	7,643.27	7,641.97	60.27	26.83	97.70	-2,088.02	2,100.21	3,406.50	3,327.27	79.22	42.999				

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference 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		Minimum Separation		Warning				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
8,800.00	7,630.00	7,642.72	7,641.42	60.10	26.83	97.63	-2,088.03	2,100.21	3,373.26	3,294.02	79.24	42.571		
8,900.00	7,630.00	7,641.10	7,639.80	59.61	26.82	97.43	-2,088.06	2,100.20	3,274.23	3,194.94	79.28	41.297		
9,000.00	7,630.00	7,639.46	7,638.16	59.15	26.82	97.23	-2,088.09	2,100.18	3,175.26	3,095.93	79.33	40.024		
9,100.00	7,630.00	7,637.82	7,636.52	58.71	26.81	97.03	-2,088.12	2,100.17	3,076.36	2,996.97	79.39	38.750		
9,200.00	7,630.00	7,636.18	7,634.88	58.30	26.81	96.83	-2,088.15	2,100.16	2,977.53	2,898.08	79.45	37.477		
9,300.00	7,630.00	7,634.52	7,633.23	57.91	26.80	96.62	-2,088.18	2,100.14	2,878.78	2,799.27	79.51	36.204		
9,400.00	7,630.00	7,632.87	7,631.57	57.54	26.79	96.42	-2,088.21	2,100.13	2,780.12	2,700.54	79.59	34.932		
9,500.00	7,630.00	7,631.20	7,629.90	57.19	26.79	96.21	-2,088.23	2,100.12	2,681.56	2,601.90	79.66	33.661		
9,600.00	7,630.00	7,629.53	7,628.23	56.87	26.78	96.00	-2,088.26	2,100.10	2,583.11	2,503.36	79.75	32.391		
9,700.00	7,630.00	7,627.85	7,626.55	56.57	26.78	95.80	-2,088.29	2,100.09	2,484.78	2,404.94	79.84	31.122		
9,800.00	7,630.00	7,626.17	7,624.87	56.30	26.77	95.59	-2,088.32	2,100.08	2,386.58	2,306.64	79.94	29.854		
9,900.00	7,630.00	7,624.48	7,623.18	56.05	26.77	95.38	-2,088.35	2,100.07	2,288.55	2,208.49	80.05	28.588		
10,000.00	7,630.00	7,622.78	7,621.48	55.82	26.76	95.17	-2,088.38	2,100.05	2,190.68	2,110.51	80.18	27.324		
10,100.00	7,630.00	7,621.08	7,619.78	55.63	26.75	94.96	-2,088.41	2,100.04	2,093.02	2,012.71	80.31	26.061		
10,200.00	7,630.00	7,619.37	7,618.07	55.46	26.75	94.75	-2,088.44	2,100.03	1,995.59	1,915.13	80.46	24.802		
10,300.00	7,630.00	7,617.65	7,616.35	55.32	26.74	94.53	-2,088.47	2,100.01	1,898.43	1,817.80	80.63	23.546		
10,400.00	7,630.00	7,615.93	7,614.63	55.22	26.74	94.32	-2,088.50	2,100.00	1,801.57	1,720.76	80.81	22.293		
10,500.00	7,630.00	7,614.20	7,612.90	55.15	26.73	94.10	-2,088.53	2,099.99	1,705.08	1,624.05	81.02	21.045		
10,600.00	7,630.00	7,612.46	7,611.17	55.14	26.72	93.89	-2,088.57	2,099.97	1,609.01	1,527.75	81.25	19.802		
10,700.00	7,630.00	7,610.72	7,609.42	55.18	26.72	93.67	-2,088.60	2,099.96	1,513.44	1,431.92	81.52	18.566		
10,800.00	7,630.00	7,608.97	7,607.67	55.28	26.71	93.45	-2,088.63	2,099.95	1,418.49	1,336.67	81.82	17.337		
10,900.00	7,630.00	7,607.25	7,605.95	55.47	26.71	93.24	-2,088.66	2,099.93	1,324.28	1,242.12	82.16	16.118		
11,000.00	7,630.00	7,605.46	7,604.17	55.74	26.70	93.02	-2,088.69	2,099.92	1,230.98	1,148.42	82.56	14.911		
11,100.00	7,630.00	7,603.68	7,602.38	56.11	26.69	92.79	-2,088.72	2,099.90	1,138.81	1,055.80	83.01	13.719		
11,200.00	7,630.00	7,601.90	7,600.61	56.60	26.69	92.57	-2,088.76	2,099.89	1,048.08	964.55	83.54	12.547		
11,300.00	7,630.00	7,600.11	7,598.82	57.20	26.68	92.35	-2,088.79	2,099.88	959.19	875.05	84.15	11.399		
11,400.00	7,630.00	7,598.33	7,597.04	57.91	26.67	92.13	-2,088.82	2,099.86	872.71	787.85	84.85	10.285		
11,500.00	7,630.00	7,596.55	7,595.26	58.72	26.67	91.90	-2,088.85	2,099.85	789.41	703.75	85.66	9.216		
11,600.00	7,630.00	7,594.77	7,593.48	59.63	26.66	91.68	-2,088.89	2,099.84	710.44	623.88	86.56	8.207		
11,700.00	7,630.00	7,592.99	7,591.70	60.61	26.66	91.46	-2,088.92	2,099.82	637.40	549.88	87.52	7.283		
11,800.00	7,630.00	7,591.21	7,589.92	61.67	26.65	91.24	-2,088.95	2,099.81	572.55	484.14	88.41	6.476		
11,900.00	7,630.00	7,589.44	7,588.15	62.78	26.64	91.02	-2,088.98	2,099.79	518.99	429.98	89.01	5.831		
12,000.00	7,630.00	7,587.66	7,586.37	63.95	26.64	90.80	-2,089.01	2,099.78	480.50	391.55	89.95	5.402		
12,100.00	7,630.00	7,585.89	7,584.60	65.16	26.63	90.57	-2,089.05	2,099.76	460.87	372.97	89.90	5.243 SF		
12,142.42	7,630.00	7,585.13	7,583.84	65.68	26.63	90.48	-2,089.06	2,099.76	458.92	371.79	87.13	5.267 CC, ES		
12,200.00	7,630.00	7,584.11	7,582.82	66.41	26.63	90.35	-2,089.08	2,099.75	462.51	376.68	85.83	5.389		
12,300.00	7,630.00	7,582.34	7,581.05	67.68	26.62	90.13	-2,089.11	2,099.73	485.21	401.98	83.22	5.830		
12,400.00	7,630.00	7,580.57	7,579.28	68.99	26.61	89.91	-2,089.14	2,099.72	526.24	445.51	80.73	6.519		
12,500.00	7,630.00	7,578.79	7,577.51	70.33	26.61	89.69	-2,089.17	2,099.70	581.74	503.01	78.74	7.389		
12,600.00	7,630.00	7,577.02	7,575.74	71.68	26.60	89.47	-2,089.21	2,099.69	648.01	570.68	77.33	8.380		
12,700.00	7,630.00	7,575.25	7,573.97	73.06	26.59	89.25	-2,089.24	2,099.67	722.08	645.67	76.41	9.450		
12,800.00	7,630.00	7,573.48	7,572.20	74.45	26.59	89.03	-2,089.27	2,099.65	801.79	725.95	75.84	10.572		
12,900.00	7,630.00	7,571.72	7,570.43	75.87	26.58	88.81	-2,089.30	2,099.64	885.63	810.12	75.52	11.728		
13,000.00	7,630.00	7,569.95	7,568.66	77.29	26.58	88.59	-2,089.33	2,099.62	972.53	897.18	75.34	12.908		
13,100.00	7,630.00	7,568.18	7,566.90	78.74	26.57	88.36	-2,089.37	2,099.61	1,061.73	986.46	75.27	14.106		
13,200.00	7,630.00	7,566.42	7,565.13	80.19	26.56	88.14	-2,089.40	2,099.59	1,152.70	1,077.44	75.26	15.317		
13,300.00	7,630.00	7,564.65	7,563.37	81.66	26.56	87.92	-2,089.43	2,099.57	1,245.06	1,169.77	75.29	16.538		
13,400.00	7,630.00	7,562.89	7,561.60	83.14	26.55	87.71	-2,089.46	2,099.56	1,338.51	1,263.17	75.34	17.766		
13,500.00	7,630.00	7,561.12	7,559.84	84.63	26.55	87.49	-2,089.49	2,099.54	1,432.84	1,357.43	75.41	19.001		
13,600.00	7,630.00	7,559.36	7,558.08	86.14	26.54	87.27	-2,089.53	2,099.52	1,527.89	1,452.41	75.48	20.241		
13,700.00	7,630.00	7,557.60	7,556.32	87.65	26.53	87.05	-2,089.56	2,099.51	1,623.54	1,547.97	75.57	21.485		
13,800.00	7,630.00	7,555.84	7,554.56	89.17	26.53	86.83	-2,089.59	2,099.49	1,719.68	1,644.03	75.65	22.732		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
13,900.00	7,630.00	7,554.08	7,552.80	90.70	26.52	86.61	-2,089.62	2,099.47	1,816.23	1,740.50	75.73	23.982		
14,000.00	7,630.00	7,552.32	7,551.04	92.24	26.52	86.39	-2,089.65	2,099.45	1,913.14	1,837.32	75.82	25.234		
14,100.00	7,630.00	7,550.56	7,549.28	93.78	26.51	86.17	-2,089.68	2,099.44	2,010.35	1,934.45	75.90	26.488		
14,200.00	7,630.00	7,548.81	7,547.53	95.33	26.50	85.96	-2,089.72	2,099.42	2,107.81	2,031.84	75.98	27.743		
14,300.00	7,630.00	7,547.05	7,545.77	96.89	26.50	85.74	-2,089.75	2,099.40	2,205.51	2,129.45	76.06	28.999		
14,400.00	7,630.00	7,545.30	7,544.01	98.46	26.49	85.52	-2,089.78	2,099.38	2,303.40	2,227.27	76.13	30.256		
14,500.00	7,630.00	7,543.54	7,542.26	100.03	26.49	85.30	-2,089.81	2,099.36	2,401.46	2,325.25	76.21	31.513		
14,600.00	7,630.00	7,541.79	7,540.51	101.61	26.48	85.09	-2,089.84	2,099.35	2,499.67	2,423.40	76.28	32.771		
14,700.00	7,630.00	7,540.03	7,538.75	103.20	26.47	84.87	-2,089.87	2,099.33	2,598.02	2,521.68	76.35	34.029		
14,800.00	7,630.00	7,538.28	7,537.00	104.78	26.47	84.65	-2,089.91	2,099.31	2,696.49	2,620.08	76.41	35.288		
14,900.00	7,630.00	7,536.53	7,535.25	106.38	26.46	84.44	-2,089.94	2,099.29	2,795.07	2,718.59	76.48	36.546		
15,000.00	7,630.00	7,534.78	7,533.50	107.98	26.45	84.22	-2,089.97	2,099.27	2,893.74	2,817.20	76.55	37.804		
15,100.00	7,630.00	7,533.03	7,531.75	109.58	26.45	84.00	-2,090.00	2,099.25	2,992.50	2,915.90	76.61	39.062		
15,200.00	7,630.00	7,531.28	7,530.01	111.19	26.44	83.79	-2,090.03	2,099.23	3,091.34	3,014.67	76.67	40.320		
15,300.00	7,630.00	7,529.54	7,528.26	112.81	26.44	83.57	-2,090.06	2,099.21	3,190.26	3,113.52	76.73	41.577		
15,400.00	7,630.00	7,527.79	7,526.51	114.42	26.43	83.36	-2,090.09	2,099.19	3,289.23	3,212.44	76.79	42.834		
15,500.00	7,630.00	7,526.04	7,524.77	116.05	26.42	83.15	-2,090.13	2,099.17	3,388.27	3,311.42	76.85	44.091		
15,600.00	7,630.00	7,524.30	7,523.02	117.67	26.42	82.93	-2,090.16	2,099.15	3,487.35	3,410.45	76.91	45.346		
15,700.00	7,630.00	7,522.55	7,521.28	119.30	26.41	82.72	-2,090.19	2,099.13	3,586.49	3,509.53	76.96	46.601		
15,800.00	7,630.00	7,520.81	7,519.54	120.93	26.41	82.50	-2,090.22	2,099.11	3,685.68	3,608.66	77.02	47.856		
15,900.00	7,630.00	7,519.07	7,517.79	122.57	26.40	82.29	-2,090.25	2,099.09	3,784.90	3,707.83	77.07	49.109		
16,000.00	7,630.00	7,517.33	7,516.05	124.21	26.39	82.08	-2,090.28	2,099.07	3,884.17	3,807.04	77.13	50.362		
16,100.00	7,630.00	7,515.58	7,514.30	125.85	26.39	81.87	-2,090.31	2,099.05	3,983.46	3,906.29	77.19	51.616		
16,200.00	7,630.00	7,513.83	7,512.55	127.50	26.38	81.66	-2,090.34	2,099.03	4,082.80	4,005.57	77.25	52.867		
16,300.00	7,630.00	7,512.08	7,510.80	129.15	26.37	81.45	-2,090.37	2,099.01	4,182.17	4,104.89	77.31	54.117		
16,400.00	7,630.00	7,510.33	7,509.05	130.80	26.36	81.24	-2,090.40	2,098.99	4,281.56	4,204.23	77.37	55.365		
16,500.00	7,630.00	7,508.58	7,507.30	132.46	26.35	81.03	-2,090.43	2,098.97	4,380.99	4,303.60	77.43	56.613		
16,600.00	7,630.00	7,506.83	7,505.55	134.11	26.34	80.82	-2,090.46	2,098.95	4,480.43	4,403.00	77.49	57.859		
16,700.00	7,630.00	7,505.08	7,503.80	135.77	26.33	80.61	-2,090.49	2,098.93	4,579.90	4,502.42	77.55	59.105		
16,800.00	7,630.00	7,503.33	7,502.05	137.43	26.32	80.40	-2,090.52	2,098.91	4,679.40	4,601.86	77.61	60.349		
16,900.00	7,630.00	7,501.58	7,500.30	139.10	26.31	80.19	-2,090.55	2,098.89	4,778.91	4,701.32	77.67	61.592		
17,000.00	7,630.00	7,499.83	7,498.55	140.77	26.30	79.98	-2,090.58	2,098.87	4,878.44	4,800.80	77.73	62.834		
17,100.00	7,630.00	7,498.08	7,496.80	142.44	26.29	79.77	-2,090.61	2,098.85	4,977.99	4,900.30	77.79	64.074		
17,200.00	7,630.00	7,496.33	7,495.05	144.11	26.28	79.56	-2,090.64	2,098.83	5,077.56	4,999.82	77.85	65.314		
17,300.00	7,630.00	7,494.58	7,493.30	145.78	26.27	79.35	-2,090.67	2,098.81	5,177.14	5,099.35	77.91	66.552		
17,400.00	7,630.00	7,492.83	7,491.55	147.46	26.26	79.14	-2,090.70	2,098.79	5,276.74	5,198.89	77.97	67.788		
17,500.00	7,630.00	7,491.08	7,489.80	149.13	26.25	78.93	-2,090.73	2,098.77	5,376.35	5,298.46	78.03	69.024		
17,600.00	7,630.00	7,489.33	7,488.05	150.81	26.24	78.72	-2,090.76	2,098.75	5,475.97	5,398.03	78.09	70.258		
17,700.00	7,630.00	7,487.58	7,486.30	152.49	26.23	78.51	-2,090.79	2,098.73	5,575.61	5,497.62	78.15	71.490		
17,800.00	7,630.00	7,485.83	7,484.55	154.18	26.22	78.30	-2,090.82	2,098.71	5,675.26	5,597.22	78.21	72.721		
17,900.00	7,630.00	7,484.08	7,482.80	155.86	26.21	78.09	-2,090.85	2,098.69	5,774.92	5,696.83	78.27	73.951		
18,000.00	7,630.00	7,482.33	7,481.05	157.55	26.20	77.88	-2,090.88	2,098.67	5,874.59	5,796.45	78.33	75.179		
18,100.00	7,630.00	7,480.58	7,479.30	159.24	26.19	77.67	-2,090.91	2,098.65	5,974.27	5,896.08	78.39	76.406		
18,200.00	7,630.00	7,478.83	7,477.55	160.92	26.18	77.46	-2,090.94	2,098.63	6,073.96	5,995.72	78.45	77.631		
18,300.00	7,630.00	7,477.08	7,475.80	162.62	26.17	77.25	-2,090.97	2,098.61	6,173.66	6,095.37	78.51	78.855		
18,400.00	7,630.00	7,475.33	7,474.05	164.31	26.16	77.04	-2,091.00	2,098.59	6,273.37	6,195.03	78.57	80.077		
18,458.39	7,630.00	7,462.43	7,461.17	165.30	26.21	75.52	-2,091.30	2,098.37	6,331.60	6,253.23	78.37	80.790		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference 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	70.32	764.73	2,138.59	2,271.60					
100.00	100.00	80.75	80.75	0.13	0.13	70.32	764.70	2,138.18	2,270.92	2,270.66	0.26	8,638.373		
200.00	200.00	233.19	233.15	0.49	0.65	70.28	765.37	2,134.80	2,269.09	2,267.95	1.14	1,983.815		
300.00	300.00	488.91	487.88	0.85	1.62	69.97	770.55	2,114.11	2,261.87	2,259.41	2.46	919.821		
400.00	400.00	636.25	633.51	1.21	2.24	69.60	778.53	2,093.35	2,250.36	2,246.98	3.38	665.731		
500.00	500.00	740.78	736.18	1.57	2.70	69.22	788.01	2,076.13	2,238.01	2,233.85	4.16	538.270		
600.00	600.00	823.97	817.52	1.93	3.10	68.84	797.91	2,061.81	2,226.00	2,221.13	4.87	456.943		
700.00	700.00	903.01	894.49	2.29	3.48	68.44	809.40	2,048.02	2,214.82	2,209.23	5.59	396.328		
800.00	800.00	978.91	968.12	2.64	3.87	68.00	822.26	2,034.81	2,204.70	2,198.39	6.31	349.317		
900.00	900.00	1,092.30	1,077.62	3.00	4.46	67.27	843.84	2,014.75	2,195.34	2,188.10	7.24	303.086		
1,000.00	1,000.00	1,182.00	1,164.27	3.36	4.94	66.71	860.29	1,998.42	2,185.48	2,177.41	8.07	270.967		
1,100.00	1,100.00	1,281.53	1,260.56	3.72	5.47	66.09	878.19	1,980.74	2,176.14	2,167.19	8.94	243.298		
1,200.00	1,199.98	1,385.09	1,360.12	4.07	6.06	14.37	898.91	1,961.17	2,165.13	2,155.26	9.87	219.323		
1,300.00	1,299.84	1,478.82	1,449.78	4.43	6.61	13.78	919.05	1,942.74	2,150.96	2,140.19	10.77	199.699		
1,400.00	1,399.45	1,570.63	1,537.46	4.79	7.16	13.20	939.33	1,924.56	2,133.87	2,122.20	11.67	182.825		
1,500.00	1,498.70	1,655.02	1,618.16	5.15	7.66	12.69	957.83	1,908.21	2,114.05	2,101.52	12.53	168.718		
1,600.00	1,597.47	1,753.65	1,712.67	5.53	8.24	12.12	978.94	1,889.52	2,091.35	2,077.88	13.47	155.283		
1,700.00	1,695.62	1,847.68	1,802.85	5.93	8.80	11.60	998.74	1,871.72	2,065.46	2,051.08	14.38	143.634		
1,800.00	1,793.06	1,945.73	1,896.89	6.35	9.38	11.05	1,019.31	1,853.07	2,036.42	2,021.10	15.32	132.941		
1,900.00	1,889.64	2,027.83	1,975.85	6.79	9.86	10.64	1,035.91	1,837.90	2,004.48	1,988.32	16.16	124.054		
2,000.00	1,985.27	2,141.89	2,085.76	7.27	10.51	10.04	1,058.09	1,816.98	1,969.29	1,952.12	17.17	114.703		
2,100.00	2,079.82	2,242.25	2,182.10	7.79	11.11	9.49	1,078.11	1,797.29	1,930.30	1,912.18	18.12	106.528		
2,200.00	2,173.17	2,328.81	2,265.08	8.36	11.63	9.01	1,095.66	1,779.96	1,888.19	1,869.18	19.01	99.343		
2,300.00	2,265.21	2,414.69	2,347.50	8.97	12.15	8.53	1,112.81	1,762.96	1,843.21	1,823.33	19.89	92.685		
2,400.00	2,355.84	2,494.37	2,424.08	9.64	12.62	8.09	1,128.45	1,747.52	1,795.55	1,774.82	20.73	86.614		
2,500.00	2,444.94	2,568.84	2,495.66	10.36	13.06	7.66	1,143.30	1,733.34	1,745.42	1,723.87	21.55	80.989		
2,591.69	2,525.19	2,636.36	2,560.49	11.07	13.46	7.24	1,157.27	1,720.62	1,697.47	1,675.16	22.30	76.103		
2,600.00	2,532.40	2,642.55	2,566.43	11.14	13.49	7.19	1,158.57	1,719.47	1,693.04	1,670.66	22.38	75.660		
2,700.00	2,619.15	2,715.67	2,636.65	11.96	13.93	6.54	1,173.92	1,706.02	1,640.03	1,616.84	23.19	70.711		
2,800.00	2,705.89	2,785.02	2,703.37	12.81	14.33	5.91	1,188.43	1,693.92	1,587.87	1,563.87	24.00	66.174		
2,900.00	2,792.64	2,876.15	2,791.17	13.67	14.86	5.05	1,207.30	1,678.42	1,536.14	1,511.24	24.91	61.676		
3,000.00	2,879.39	2,966.69	2,878.44	14.55	15.38	4.14	1,225.61	1,662.72	1,484.18	1,458.36	25.82	57.490		
3,100.00	2,966.14	3,044.42	2,953.51	15.44	15.82	3.33	1,240.79	1,649.50	1,432.38	1,405.71	26.67	53.714		
3,200.00	3,052.88	3,135.25	3,041.35	16.34	16.33	2.33	1,258.35	1,634.40	1,381.02	1,353.44	27.58	50.075		
3,300.00	3,139.63	3,224.95	3,127.71	17.25	16.85	1.21	1,276.27	1,618.12	1,329.25	1,300.74	28.51	46.629		
3,400.00	3,226.38	3,310.62	3,209.98	18.17	17.36	0.01	1,293.90	1,601.95	1,277.69	1,248.25	29.44	43.405		
3,500.00	3,313.12	3,394.30	3,290.53	19.09	17.85	-1.22	1,310.39	1,586.42	1,226.33	1,195.96	30.36	40.388		
3,600.00	3,399.87	3,474.62	3,367.90	20.02	18.32	-2.48	1,326.15	1,571.73	1,175.57	1,144.28	31.29	37.568		
3,700.00	3,486.62	3,557.45	3,447.41	20.96	18.82	-3.95	1,343.20	1,555.94	1,125.39	1,093.14	32.26	34.889		
3,800.00	3,573.37	3,640.68	3,527.24	21.90	19.32	-5.55	1,360.43	1,539.92	1,075.83	1,042.58	33.25	32.355		
3,900.00	3,660.11	3,719.08	3,602.66	22.84	19.78	-7.15	1,376.22	1,525.43	1,027.14	992.90	34.24	29.998		
4,000.00	3,746.86	3,801.09	3,681.66	23.78	20.26	-8.92	1,392.57	1,510.73	979.47	944.20	35.27	27.772		
4,100.00	3,833.61	3,882.96	3,760.39	24.73	20.74	-10.89	1,409.27	1,495.72	932.79	896.45	36.34	25.668		
4,200.00	3,920.35	3,965.37	3,839.59	25.68	21.23	-13.06	1,426.26	1,480.50	887.29	849.82	37.47	23.682		
4,300.00	4,007.10	4,049.51	3,920.48	26.63	21.72	-15.46	1,443.48	1,465.05	843.04	804.39	38.65	21.811		
4,400.00	4,093.85	4,135.01	4,002.91	27.59	22.22	-18.08	1,460.33	1,449.83	800.03	760.13	39.90	20.051		
4,500.00	4,180.60	4,219.47	4,084.28	28.55	22.71	-20.93	1,476.94	1,434.44	758.50	717.27	41.23	18.398		
4,600.00	4,267.34	4,304.40	4,165.99	29.50	23.21	-24.10	1,493.67	1,418.44	718.76	676.11	42.66	16.850		
4,700.00	4,354.09	4,392.53	4,250.88	30.46	23.73	-27.69	1,510.48	1,401.77	680.94	636.74	44.21	15.404		
4,800.00	4,440.84	4,464.41	4,320.17	31.42	24.15	-30.83	1,524.30	1,388.53	646.20	600.46	45.74	14.128		
4,900.00	4,527.58	4,548.78	4,401.36	32.39	24.64	-34.82	1,541.33	1,373.17	615.51	568.06	47.45	12.972		
5,000.00	4,614.33	4,637.93	4,487.11	33.35	25.16	-39.42	1,558.66	1,356.03	587.82	538.54	49.29	11.927		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
5,100.00	4,701.08	4,732.30	4,578.42	34.31	25.69	-44.50	1,575.41	1,339.12	563.30	512.11	51.19	11.004		
5,200.00	4,787.82	4,831.76	4,675.68	35.28	26.19	-49.93	1,590.14	1,324.43	541.08	488.01	53.07	10.195		
5,300.00	4,874.57	4,925.38	4,767.79	36.25	26.62	-55.20	1,601.66	1,312.34	521.39	466.54	54.85	9.507		
5,400.00	4,961.32	5,014.39	4,855.67	37.21	27.01	-60.36	1,611.66	1,302.30	505.57	449.07	56.50	8.948		
5,500.00	5,048.07	5,111.40	4,951.69	38.18	27.40	-66.09	1,621.71	1,292.88	493.91	435.81	58.10	8.501		
5,600.00	5,134.81	5,216.15	5,055.88	39.15	27.78	-72.30	1,629.67	1,285.75	484.40	424.84	59.56	8.133		
5,700.00	5,221.56	5,318.63	5,158.16	40.12	28.09	-78.39	1,634.61	1,281.66	476.86	416.04	60.83	7.840		
5,800.00	5,308.31	5,419.57	5,259.05	41.09	28.36	-84.47	1,636.90	1,279.56	471.80	409.86	61.94	7.617		
5,897.91	5,393.24	5,512.15	5,351.63	42.04	28.58	-90.09	1,637.27	1,279.02	469.89	407.00	62.90	7.471 CC		
5,900.00	5,395.05	5,514.11	5,353.59	42.06	28.59	-90.21	1,637.27	1,279.02	469.89	406.98	62.92	7.469 ES		
6,000.00	5,481.80	5,602.12	5,441.60	43.03	28.78	-95.53	1,637.12	1,279.27	472.42	408.63	63.79	7.405 SF		
6,100.00	5,568.55	5,688.88	5,528.36	44.00	28.97	-100.65	1,637.13	1,279.75	480.02	415.47	64.55	7.437		
6,200.00	5,655.30	5,774.99	5,614.47	44.97	29.17	-105.61	1,636.97	1,279.97	492.59	427.43	65.16	7.560		
6,300.00	5,742.04	5,860.63	5,700.11	45.94	29.36	-110.32	1,636.88	1,280.06	509.87	444.22	65.65	7.767		
6,400.00	5,828.79	5,945.43	5,784.91	46.92	29.56	-114.72	1,636.88	1,279.92	531.50	465.48	66.02	8.051		
6,500.00	5,915.54	6,031.84	5,871.31	47.89	29.77	-118.88	1,637.22	1,279.58	557.06	490.76	66.30	8.402		
6,600.00	6,002.28	6,120.11	5,959.58	48.86	30.00	-122.80	1,637.57	1,279.55	585.45	518.92	66.53	8.800		
6,700.00	6,089.03	6,205.89	6,045.36	49.83	30.21	-126.27	1,638.16	1,279.42	616.68	549.97	66.71	9.245		
6,800.00	6,175.78	6,297.25	6,136.71	50.81	30.45	-129.63	1,639.07	1,279.70	649.80	582.90	66.90	9.713		
6,900.00	6,262.53	6,384.72	6,224.18	51.78	30.67	-132.54	1,640.10	1,280.24	684.58	617.50	67.08	10.205		
7,000.00	6,349.27	6,472.74	6,312.19	52.76	30.89	-135.23	1,640.99	1,280.80	720.95	653.69	67.26	10.718		
7,100.00	6,436.02	6,573.54	6,412.96	53.73	31.15	-137.95	1,642.86	1,282.41	757.87	690.30	67.57	11.216		
7,200.00	6,522.77	6,649.91	6,489.31	54.71	31.34	-139.86	1,644.01	1,283.61	795.94	728.21	67.73	11.752		
7,300.00	6,609.51	6,737.10	6,576.49	55.68	31.57	-141.88	1,645.04	1,284.42	835.62	767.65	67.97	12.294		
7,400.00	6,696.26	6,829.21	6,668.58	56.66	31.81	-143.82	1,646.38	1,285.53	875.91	807.63	68.28	12.828		
7,500.00	6,783.01	6,922.54	6,761.89	57.63	32.03	-145.71	1,646.39	1,287.37	916.48	847.90	68.59	13.362		
7,600.00	6,869.76	6,988.76	6,828.10	58.61	32.20	-146.95	1,646.42	1,288.37	958.24	889.53	68.71	13.947		
7,683.49	6,942.18	7,039.95	6,879.29	59.42	32.34	-147.82	1,646.69	1,287.71	995.44	926.66	68.77	14.475		
7,700.00	6,956.57	7,056.88	6,896.21	59.58	32.39	-151.35	1,646.81	1,287.35	1,002.94	934.08	68.86	14.565		
7,750.00	7,000.85	7,109.24	6,948.56	60.04	32.53	-162.77	1,647.27	1,286.51	1,025.27	956.10	69.17	14.823		
7,800.00	7,045.94	7,158.40	6,997.71	60.46	32.67	-175.18	1,647.75	1,286.04	1,046.84	977.36	69.48	15.067		
7,850.00	7,091.49	7,205.47	7,044.78	60.84	32.80	171.74	1,648.10	1,285.73	1,067.65	997.85	69.80	15.296		
7,900.00	7,137.15	7,252.73	7,092.05	61.17	32.93	158.74	1,648.35	1,285.50	1,087.58	1,017.43	70.15	15.503		
7,950.00	7,182.58	7,299.80	7,139.11	61.44	33.06	146.69	1,648.63	1,285.35	1,106.53	1,036.00	70.54	15.687		
8,000.00	7,227.43	7,347.39	7,186.70	61.67	33.19	136.23	1,648.92	1,285.28	1,124.45	1,053.50	70.95	15.848		
8,050.00	7,271.36	7,394.82	7,234.13	61.84	33.32	127.58	1,649.07	1,285.38	1,141.29	1,069.90	71.40	15.985		
8,100.00	7,314.04	7,438.21	7,277.52	61.96	33.43	120.55	1,649.12	1,285.59	1,157.13	1,085.30	71.83	16.109		
8,150.00	7,355.14	7,478.50	7,317.81	62.04	33.54	114.94	1,649.15	1,285.76	1,172.16	1,099.89	72.27	16.219		
8,200.00	7,394.34	7,517.12	7,356.43	62.07	33.64	110.49	1,649.17	1,285.90	1,186.48	1,113.75	72.73	16.313		
8,250.00	7,431.36	7,554.19	7,393.50	62.06	33.74	106.97	1,649.13	1,286.03	1,200.19	1,126.99	73.20	16.395		
8,300.00	7,465.90	7,588.95	7,428.26	62.01	33.83	104.17	1,649.00	1,286.16	1,213.42	1,139.73	73.68	16.468		
8,350.00	7,497.71	7,621.14	7,460.45	61.93	33.91	101.90	1,648.82	1,286.29	1,226.28	1,152.11	74.17	16.533		
8,400.00	7,526.53	7,650.34	7,489.64	61.81	33.98	100.02	1,648.68	1,286.40	1,238.92	1,164.26	74.66	16.595		
8,450.00	7,552.17	7,676.27	7,515.57	61.66	34.05	98.42	1,648.57	1,286.51	1,251.46	1,176.32	75.14	16.655		
8,500.00	7,574.41	7,698.82	7,538.13	61.48	34.11	97.01	1,648.50	1,286.61	1,264.01	1,188.39	75.62	16.716		
8,550.00	7,593.09	7,718.62	7,557.93	61.29	34.16	95.74	1,648.42	1,286.70	1,276.67	1,200.58	76.09	16.779		
8,600.00	7,608.07	7,734.67	7,573.97	61.07	34.20	94.53	1,648.33	1,286.78	1,289.48	1,212.93	76.54	16.847		
8,650.00	7,619.23	7,746.80	7,586.10	60.84	34.23	93.33	1,648.26	1,286.84	1,302.48	1,225.50	76.97	16.921		
8,700.00	7,626.48	7,754.87	7,594.18	60.60	34.25	92.12	1,648.20	1,286.89	1,315.67	1,238.30	77.38	17.003		
8,750.00	7,629.78	7,758.79	7,598.09	60.35	34.26	90.88	1,648.17	1,286.91	1,329.03	1,251.28	77.75	17.093		
8,766.45	7,630.00	7,759.15	7,598.45	60.27	34.26	90.47	1,648.17	1,286.91	1,333.45	1,255.58	77.87	17.124		
8,800.00	7,630.00	7,759.42	7,598.73	60.10	34.26	90.48	1,648.17	1,286.92	1,342.86	1,264.76	78.10	17.195		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference 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		
8,900.00	7,630.00	7,760.24	7,599.54	59.61	34.26	90.51	1,648.16	1,286.92	1,375.38	1,296.67	78.71	17.473		
9,000.00	7,630.00	7,761.07	7,600.37	59.15	34.27	90.55	1,648.16	1,286.93	1,414.24	1,335.01	79.23	17.850		
9,100.00	7,630.00	7,761.92	7,601.22	58.71	34.27	90.59	1,648.15	1,286.93	1,458.94	1,379.28	79.65	18.317		
9,200.00	7,630.00	7,762.77	7,602.08	58.30	34.27	90.63	1,648.14	1,286.94	1,508.94	1,428.95	79.99	18.864		
9,300.00	7,630.00	7,763.64	7,602.95	57.91	34.27	90.67	1,648.14	1,286.94	1,563.75	1,483.49	80.26	19.485		
9,400.00	7,630.00	7,764.53	7,603.83	57.54	34.28	90.71	1,648.13	1,286.95	1,622.87	1,542.41	80.46	20.170		
9,500.00	7,630.00	7,765.43	7,604.73	57.19	34.28	90.75	1,648.12	1,286.95	1,685.86	1,605.25	80.61	20.914		
9,600.00	7,630.00	7,766.34	7,605.65	56.87	34.28	90.79	1,648.11	1,286.96	1,752.29	1,671.57	80.71	21.710		
9,700.00	7,630.00	7,767.27	7,606.58	56.57	34.28	90.83	1,648.11	1,286.96	1,821.79	1,741.00	80.78	22.552		
9,800.00	7,630.00	7,768.22	7,607.52	56.30	34.28	90.87	1,648.10	1,286.97	1,894.02	1,813.20	80.82	23.434		
9,900.00	7,630.00	7,769.18	7,608.49	56.05	34.29	90.91	1,648.09	1,286.98	1,968.68	1,887.84	80.84	24.353		
10,000.00	7,630.00	7,770.16	7,609.46	55.82	34.29	90.96	1,648.08	1,286.98	2,045.51	1,964.67	80.83	25.305		
10,100.00	7,630.00	7,771.15	7,610.46	55.63	34.29	91.00	1,648.07	1,286.99	2,124.26	2,043.45	80.81	26.286		
10,200.00	7,630.00	7,772.17	7,611.47	55.46	34.29	91.05	1,648.07	1,287.00	2,204.74	2,123.96	80.78	27.292		
10,300.00	7,630.00	7,773.19	7,612.50	55.32	34.30	91.09	1,648.06	1,287.00	2,286.76	2,206.02	80.74	28.321		
10,400.00	7,630.00	7,774.24	7,613.55	55.22	34.30	91.14	1,648.05	1,287.01	2,370.16	2,289.46	80.70	29.372		
10,500.00	7,630.00	7,775.31	7,614.61	55.15	34.30	91.19	1,648.04	1,287.02	2,454.80	2,374.16	80.64	30.440		
10,600.00	7,630.00	7,776.39	7,615.70	55.14	34.31	91.24	1,648.03	1,287.02	2,540.56	2,459.97	80.59	31.526		
10,700.00	7,630.00	7,777.50	7,616.80	55.18	34.31	91.28	1,648.02	1,287.03	2,627.32	2,546.79	80.53	32.627		
10,800.00	7,630.00	7,778.62	7,617.93	55.28	34.31	91.33	1,648.01	1,287.04	2,714.99	2,634.53	80.47	33.741		
10,900.00	7,630.00	7,779.77	7,619.07	55.47	34.31	91.39	1,648.00	1,287.04	2,803.49	2,723.09	80.40	34.868		
11,000.00	7,630.00	7,780.93	7,620.24	55.74	34.32	91.44	1,647.99	1,287.05	2,892.74	2,812.40	80.34	36.005		
11,100.00	7,630.00	7,782.12	7,621.43	56.11	34.32	91.49	1,647.98	1,287.06	2,982.67	2,902.39	80.28	37.153		
11,200.00	7,630.00	7,783.33	7,622.64	56.60	34.32	91.55	1,647.97	1,287.07	3,073.22	2,993.00	80.22	38.310		
11,300.00	7,630.00	7,784.57	7,623.87	57.20	34.33	91.60	1,647.95	1,287.08	3,164.34	3,084.18	80.16	39.476		
11,400.00	7,630.00	7,785.83	7,625.13	57.91	34.33	91.66	1,647.94	1,287.09	3,255.98	3,175.88	80.10	40.649		
11,500.00	7,630.00	7,787.11	7,626.41	58.72	34.33	91.71	1,647.93	1,287.09	3,348.10	3,268.06	80.04	41.829		
11,600.00	7,630.00	7,788.42	7,627.72	59.63	34.34	91.77	1,647.92	1,287.10	3,440.66	3,360.67	79.99	43.015		
11,700.00	7,630.00	7,789.75	7,629.05	60.61	34.34	91.83	1,647.90	1,287.11	3,533.62	3,453.69	79.93	44.207		
11,800.00	7,630.00	7,791.11	7,630.41	61.67	34.34	91.89	1,647.89	1,287.12	3,626.96	3,547.08	79.88	45.404		
11,900.00	7,630.00	7,792.50	7,631.80	62.78	34.35	91.95	1,647.88	1,287.13	3,720.65	3,640.81	79.83	46.606		
12,000.00	7,630.00	7,793.92	7,633.22	63.95	34.35	92.02	1,647.86	1,287.14	3,814.65	3,734.87	79.78	47.812		
12,100.00	7,630.00	7,795.36	7,634.66	65.16	34.35	92.08	1,647.85	1,287.15	3,908.95	3,829.21	79.74	49.022		
12,200.00	7,630.00	7,796.84	7,636.14	66.41	34.36	92.15	1,647.83	1,287.16	4,003.53	3,923.84	79.69	50.236		
12,300.00	7,630.00	7,798.34	7,637.65	67.68	34.36	92.21	1,647.82	1,287.17	4,098.37	4,018.71	79.65	51.453		
12,400.00	7,630.00	7,799.88	7,639.19	68.99	34.37	92.28	1,647.80	1,287.18	4,193.44	4,113.83	79.61	52.673		
12,500.00	7,630.00	7,801.46	7,640.76	70.33	34.37	92.35	1,647.79	1,287.19	4,288.74	4,209.16	79.57	53.896		
12,600.00	7,630.00	7,803.06	7,642.36	71.68	34.37	92.42	1,647.77	1,287.21	4,384.24	4,304.71	79.54	55.121		
12,700.00	7,630.00	7,804.70	7,644.01	73.06	34.38	92.50	1,647.75	1,287.22	4,479.95	4,400.44	79.50	56.349		
12,800.00	7,630.00	7,806.38	7,645.68	74.45	34.38	92.57	1,647.73	1,287.23	4,575.83	4,496.36	79.47	57.578		
12,900.00	7,630.00	7,808.10	7,647.40	75.87	34.39	92.65	1,647.71	1,287.24	4,671.89	4,592.45	79.44	58.809		
13,000.00	7,630.00	7,809.86	7,649.16	77.29	34.39	92.73	1,647.69	1,287.26	4,768.11	4,688.70	79.41	60.042		
13,100.00	7,630.00	7,811.65	7,650.95	78.74	34.40	92.81	1,647.67	1,287.27	4,864.48	4,785.10	79.39	61.276		
13,200.00	7,630.00	7,804.07	7,643.37	80.19	34.38	92.47	1,647.76	1,287.21	4,961.01	4,881.65	79.36	62.514		
13,300.00	7,630.00	7,804.93	7,644.23	81.66	34.38	92.51	1,647.75	1,287.21	5,057.66	4,978.33	79.33	63.751		
13,400.00	7,630.00	7,805.78	7,645.08	83.14	34.38	92.55	1,647.75	1,287.22	5,154.44	5,075.13	79.31	64.989		
13,500.00	7,630.00	7,806.63	7,645.93	84.63	34.38	92.58	1,647.74	1,287.23	5,251.34	5,172.05	79.29	66.228		
13,600.00	7,630.00	7,807.48	7,646.78	86.14	34.38	92.62	1,647.73	1,287.23	5,348.36	5,269.09	79.27	67.468		
13,700.00	7,630.00	7,808.32	7,647.63	87.65	34.39	92.66	1,647.72	1,287.24	5,445.48	5,366.23	79.26	68.708		
13,800.00	7,630.00	7,809.17	7,648.47	89.17	34.39	92.70	1,647.71	1,287.24	5,542.71	5,463.47	79.24	69.948		
13,900.00	7,630.00	7,810.01	7,649.31	90.70	34.39	92.73	1,647.70	1,287.25	5,640.03	5,560.80	79.23	71.189		
14,000.00	7,630.00	7,810.85	7,650.15	92.24	34.39	92.77	1,647.70	1,287.25	5,737.44	5,658.23	79.21	72.430		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference 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		
14,100.00	7,630.00	7,811.68	7,650.98	93.78	34.40	92.81	1,647.69	1,287.26	5,834.94	5,755.74	79.20	73.672		
14,200.00	7,630.00	7,812.51	7,651.82	95.33	34.40	92.85	1,647.68	1,287.26	5,932.52	5,853.33	79.19	74.913		
14,300.00	7,630.00	7,813.34	7,652.65	96.89	34.40	92.88	1,647.67	1,287.27	6,030.19	5,951.00	79.18	76.155		
14,400.00	7,630.00	7,814.17	7,653.47	98.46	34.40	92.92	1,647.66	1,287.27	6,127.93	6,048.75	79.18	77.396		
14,500.00	7,630.00	7,815.00	7,654.30	100.03	34.40	92.96	1,647.66	1,287.28	6,225.74	6,146.56	79.17	78.637		
14,600.00	7,630.00	7,815.82	7,655.12	101.61	34.41	92.99	1,647.65	1,287.28	6,323.61	6,244.45	79.17	79.878		
14,700.00	7,630.00	7,816.64	7,655.94	103.20	34.41	93.03	1,647.64	1,287.29	6,421.56	6,342.39	79.16	81.118		
14,800.00	7,630.00	7,817.46	7,656.76	104.78	34.41	93.07	1,647.63	1,287.29	6,519.56	6,440.40	79.16	82.358		
14,900.00	7,630.00	7,818.27	7,657.57	106.38	34.41	93.10	1,647.62	1,287.30	6,617.63	6,538.47	79.16	83.598		
15,000.00	7,630.00	7,819.08	7,658.38	107.98	34.41	93.14	1,647.62	1,287.30	6,715.75	6,636.59	79.16	84.837		
15,100.00	7,630.00	7,819.89	7,659.19	109.58	34.42	93.17	1,647.61	1,287.31	6,813.93	6,734.76	79.16	86.075		
15,200.00	7,630.00	7,820.70	7,660.00	111.19	34.42	93.21	1,647.60	1,287.31	6,912.16	6,832.99	79.17	87.313		
15,300.00	7,630.00	7,821.51	7,660.81	112.81	34.42	93.25	1,647.59	1,287.32	7,010.43	6,931.27	79.17	88.550		
15,400.00	7,630.00	7,822.31	7,661.61	114.42	34.42	93.28	1,647.59	1,287.32	7,108.76	7,029.59	79.17	89.786		
15,500.00	7,630.00	7,823.11	7,662.41	116.05	34.42	93.32	1,647.58	1,287.32	7,207.13	7,127.95	79.18	91.022		
15,600.00	7,630.00	7,823.90	7,663.21	117.67	34.43	93.35	1,647.57	1,287.33	7,305.55	7,226.36	79.19	92.256		
15,700.00	7,630.00	7,824.70	7,664.00	119.30	34.43	93.39	1,647.56	1,287.33	7,404.01	7,324.81	79.20	93.490		
15,800.00	7,630.00	7,825.49	7,664.79	120.93	34.43	93.42	1,647.56	1,287.34	7,502.51	7,423.30	79.21	94.722		
15,900.00	7,630.00	7,826.28	7,665.58	122.57	34.43	93.46	1,647.55	1,287.34	7,601.05	7,521.83	79.22	95.954		
16,000.00	7,630.00	7,827.07	7,666.37	124.21	34.43	93.49	1,647.54	1,287.35	7,699.63	7,620.40	79.23	97.184		
16,100.00	7,630.00	7,827.86	7,667.16	125.85	34.44	93.53	1,647.53	1,287.35	7,798.24	7,719.00	79.24	98.413		
16,200.00	7,630.00	7,828.64	7,667.94	127.50	34.44	93.56	1,647.53	1,287.36	7,896.89	7,817.63	79.25	99.641		
16,300.00	7,630.00	7,829.42	7,668.72	129.15	34.44	93.60	1,647.52	1,287.36	7,995.57	7,916.30	79.27	100.868		
16,400.00	7,630.00	7,830.20	7,669.50	130.80	34.44	93.63	1,647.51	1,287.36	8,094.28	8,015.00	79.28	102.094		
16,500.00	7,630.00	7,830.97	7,670.27	132.46	34.44	93.67	1,647.50	1,287.37	8,193.02	8,113.72	79.30	103.318		
16,600.00	7,630.00	7,831.75	7,671.05	134.11	34.45	93.70	1,647.50	1,287.37	8,291.80	8,212.48	79.32	104.541		
16,700.00	7,630.00	7,832.52	7,671.82	135.77	34.45	93.74	1,647.49	1,287.38	8,390.60	8,311.27	79.33	105.762		
16,800.00	7,630.00	7,833.29	7,672.59	137.43	34.45	93.77	1,647.48	1,287.38	8,489.43	8,410.08	79.35	106.982		
16,900.00	7,630.00	7,834.06	7,673.35	139.10	34.45	93.80	1,647.48	1,287.38	8,588.29	8,508.92	79.37	108.201		
17,000.00	7,630.00	7,834.82	7,674.12	140.77	34.45	93.84	1,647.47	1,287.39	8,687.18	8,607.78	79.39	109.418		
17,100.00	7,630.00	7,835.58	7,674.88	142.44	34.46	93.87	1,647.46	1,287.39	8,786.08	8,706.67	79.42	110.633		
17,200.00	7,630.00	7,836.34	7,675.64	144.11	34.46	93.91	1,647.45	1,287.40	8,885.02	8,805.58	79.44	111.847		
17,300.00	7,630.00	7,837.10	7,676.40	145.78	34.46	93.94	1,647.45	1,287.40	8,983.98	8,904.51	79.46	113.059		
17,400.00	7,630.00	7,837.85	7,677.15	147.46	34.46	93.97	1,647.44	1,287.40	9,082.96	9,003.47	79.49	114.270		
17,500.00	7,630.00	7,838.61	7,677.91	149.13	34.46	94.01	1,647.43	1,287.41	9,181.96	9,102.45	79.51	115.479		
17,600.00	7,630.00	7,839.36	7,678.66	150.81	34.47	94.04	1,647.43	1,287.41	9,280.98	9,201.44	79.54	116.686		
17,700.00	7,630.00	7,840.11	7,679.41	152.49	34.47	94.07	1,647.42	1,287.41	9,380.03	9,300.46	79.56	117.892		
17,800.00	7,630.00	7,840.85	7,680.15	154.18	34.47	94.11	1,647.41	1,287.42	9,479.09	9,399.50	79.59	119.096		
17,900.00	7,630.00	7,841.60	7,680.90	155.86	34.47	94.14	1,647.41	1,287.42	9,578.17	9,498.55	79.62	120.298		
18,000.00	7,630.00	7,842.34	7,681.64	157.55	34.47	94.17	1,647.40	1,287.43	9,677.27	9,597.63	79.65	121.498		
18,100.00	7,630.00	7,843.08	7,682.38	159.24	34.48	94.20	1,647.39	1,287.43	9,776.40	9,696.72	79.68	122.696		
18,200.00	7,630.00	7,843.82	7,683.12	160.92	34.48	94.24	1,647.39	1,287.43	9,875.53	9,795.82	79.71	123.892		
18,300.00	7,630.00	7,844.55	7,683.85	162.62	34.48	94.27	1,647.38	1,287.44	9,974.69	9,894.95	79.74	125.087		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	133.51	-2,062.14	2,172.44	2,995.61					
100.00	100.00	73.42	73.42	0.13	0.12	133.51	-2,062.05	2,172.27	2,995.17	2,994.92	0.25	N/A		
200.00	200.00	194.63	194.63	0.49	0.46	133.51	-2,061.25	2,171.53	2,994.27	2,993.31	0.95	3,140.796		
300.00	300.00	877.09	869.53	0.85	3.23	132.43	-1,973.78	2,159.21	2,988.63	2,984.63	4.01	746.225		
400.00	400.00	1,206.46	1,182.65	1.21	5.12	131.19	-1,873.74	2,141.48	2,962.59	2,956.70	5.88	503.619		
500.00	500.00	1,360.23	1,325.84	1.57	6.13	130.46	-1,818.49	2,132.06	2,933.55	2,926.56	6.99	419.475		
600.00	600.00	1,510.48	1,464.71	1.93	7.17	129.70	-1,761.98	2,122.37	2,903.65	2,895.52	8.12	357.416		
700.00	700.00	1,626.54	1,570.99	2.29	8.01	129.07	-1,716.07	2,114.22	2,872.00	2,862.89	9.11	315.328		
800.00	800.00	1,720.86	1,657.10	2.64	8.71	128.52	-1,678.11	2,107.87	2,840.34	2,830.35	9.99	284.223		
900.00	900.00	1,807.22	1,735.96	3.00	9.35	128.02	-1,643.45	2,101.69	2,808.70	2,797.86	10.85	258.951		
1,000.00	1,000.00	1,873.00	1,796.24	3.36	9.83	127.64	-1,617.51	2,097.28	2,778.05	2,766.46	11.60	239.582		
1,100.00	1,100.00	1,980.17	1,894.55	3.72	10.62	127.01	-1,575.41	2,090.20	2,747.85	2,735.27	12.58	218.450		
1,200.00	1,199.98	2,041.48	1,950.99	4.07	11.07	76.22	-1,551.86	2,085.96	2,717.74	2,704.43	13.31	204.182		
1,300.00	1,299.84	2,140.99	2,042.95	4.43	11.79	76.38	-1,514.51	2,078.87	2,687.49	2,673.25	14.24	188.696		
1,400.00	1,399.45	2,259.95	2,152.43	4.79	12.66	76.54	-1,468.79	2,070.18	2,655.87	2,640.58	15.29	173.731		
1,500.00	1,498.70	2,366.29	2,249.94	5.15	13.45	76.85	-1,427.18	2,061.90	2,622.76	2,606.48	16.28	161.141		
1,600.00	1,597.47	2,444.33	2,321.63	5.53	14.03	77.34	-1,396.97	2,055.70	2,589.12	2,572.00	17.12	151.243		
1,700.00	1,695.62	2,513.92	2,385.86	5.93	14.53	77.92	-1,370.77	2,050.24	2,555.53	2,537.61	17.92	142.601		
1,800.00	1,793.06	2,642.73	2,504.40	6.35	15.48	78.50	-1,321.23	2,041.00	2,521.35	2,502.29	19.05	132.338		
1,900.00	1,889.64	2,709.78	2,565.78	6.79	15.99	79.20	-1,294.58	2,036.82	2,486.26	2,466.36	19.90	124.915		
2,000.00	1,985.27	2,815.57	2,662.86	7.27	16.78	79.99	-1,253.13	2,029.84	2,450.73	2,429.76	20.97	116.869		
2,100.00	2,079.82	2,947.77	2,784.36	7.79	17.77	81.03	-1,202.35	2,018.26	2,413.46	2,391.29	22.16	108.890		
2,200.00	2,173.17	3,053.51	2,880.85	8.36	18.57	82.14	-1,160.10	2,008.93	2,374.73	2,351.46	23.27	102.061		
2,300.00	2,265.21	3,190.96	3,005.47	8.97	19.65	83.49	-1,103.46	1,996.65	2,334.87	2,310.31	24.56	95.070		
2,400.00	2,355.84	3,255.91	3,064.17	9.64	20.17	84.68	-1,076.33	1,990.55	2,293.94	2,268.39	25.55	89.783		
2,500.00	2,444.94	3,325.88	3,127.75	10.36	20.71	85.97	-1,047.80	1,984.34	2,253.80	2,227.20	26.60	84.727		
2,591.69	2,525.19	3,394.12	3,189.84	11.07	21.24	87.24	-1,020.04	1,978.73	2,217.50	2,189.88	27.62	80.292		
2,600.00	2,532.40	3,399.79	3,195.01	11.14	21.29	87.28	-1,017.74	1,978.29	2,214.24	2,186.53	27.71	79.909		
2,700.00	2,619.15	3,468.39	3,257.59	11.96	21.81	87.80	-990.14	1,973.14	2,175.60	2,146.77	28.83	75.464		
2,800.00	2,705.89	3,563.39	3,344.53	12.81	22.54	88.57	-952.54	1,965.89	2,137.59	2,107.53	30.07	71.099		
2,900.00	2,792.64	3,679.93	3,450.57	13.67	23.44	89.51	-905.09	1,956.72	2,098.95	2,067.55	31.40	66.855		
3,000.00	2,879.39	3,748.14	3,512.45	14.55	23.97	90.07	-876.81	1,951.83	2,060.65	2,028.08	32.57	63.263		
3,100.00	2,966.14	3,826.67	3,584.03	15.44	24.58	90.74	-844.98	1,946.31	2,023.38	1,989.59	33.79	59.888		
3,200.00	3,052.88	3,901.72	3,652.76	16.34	25.15	91.42	-815.34	1,940.75	1,986.92	1,951.94	34.98	56.794		
3,300.00	3,139.63	3,981.22	3,725.89	17.25	25.74	92.19	-784.74	1,934.87	1,951.53	1,915.34	36.19	53.919		
3,400.00	3,226.38	4,073.56	3,810.61	18.17	26.44	93.07	-748.50	1,928.82	1,916.61	1,879.16	37.44	51.187		
3,500.00	3,313.12	4,166.86	3,896.15	19.09	27.14	93.99	-711.79	1,922.61	1,881.96	1,843.27	38.69	48.641		
3,600.00	3,399.87	4,252.42	3,974.64	20.02	27.78	94.88	-678.29	1,916.44	1,847.57	1,807.66	39.91	46.295		
3,700.00	3,486.62	4,316.73	4,033.93	20.96	28.26	95.58	-653.82	1,911.86	1,814.54	1,773.46	41.08	44.173		
3,800.00	3,573.37	4,399.62	4,110.68	21.90	28.86	96.52	-623.00	1,906.26	1,782.89	1,740.62	42.27	42.180		
3,900.00	3,660.11	4,495.97	4,199.89	22.84	29.55	97.65	-587.20	1,899.66	1,751.79	1,708.33	43.46	40.306		
4,000.00	3,746.86	4,586.78	4,283.93	23.78	30.21	98.76	-553.46	1,892.94	1,721.00	1,676.37	44.63	38.558		
4,100.00	3,833.61	4,685.39	4,375.02	24.73	30.94	99.98	-516.35	1,885.93	1,690.67	1,644.87	45.80	36.915		
4,200.00	3,920.35	4,765.61	4,449.00	25.68	31.52	101.00	-485.84	1,880.43	1,660.85	1,613.90	46.95	35.375		
4,300.00	4,007.10	4,841.61	4,519.25	26.63	32.08	101.98	-457.17	1,875.86	1,632.43	1,584.34	48.09	33.948		
4,400.00	4,093.85	4,909.99	4,582.83	27.59	32.56	102.92	-432.49	1,871.10	1,605.58	1,556.38	49.20	32.636		
4,500.00	4,180.60	4,964.51	4,634.00	28.55	32.93	103.72	-414.08	1,867.16	1,581.27	1,531.00	50.27	31.454		
4,600.00	4,267.34	5,023.70	4,690.02	29.50	33.31	104.62	-395.42	1,863.00	1,559.80	1,508.48	51.32	30.396		
4,700.00	4,354.09	5,081.00	4,744.53	30.46	33.67	105.51	-378.15	1,859.40	1,540.94	1,488.61	52.33	29.446		
4,800.00	4,440.84	5,148.62	4,809.22	31.42	34.07	106.57	-358.84	1,855.58	1,524.71	1,471.38	53.32	28.595		
4,900.00	4,527.58	5,212.46	4,870.64	32.39	34.43	107.60	-341.74	1,852.29	1,511.21	1,456.93	54.28	27.841		
5,000.00	4,614.33	5,270.00	4,926.24	33.35	34.75	108.53	-327.18	1,849.56	1,500.41	1,445.20	55.20	27.180		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
5,100.00	4,701.08	5,331.48	4,985.95	34.31	35.07	109.55	-312.75	1,847.08	1,492.63	1,436.53	56.09	26.610		
5,200.00	4,787.82	5,386.01	5,039.20	35.28	35.33	110.45	-301.15	1,845.42	1,488.22	1,431.29	56.93	26.140		
5,277.37	4,854.94	5,427.34	5,079.75	36.03	35.52	111.14	-293.20	1,844.43	1,487.18	1,429.63	57.55	25.842		
5,300.00	4,874.57	5,439.42	5,091.63	36.25	35.57	111.34	-291.02	1,844.18	1,487.27	1,429.54	57.72	25.765		
5,400.00	4,961.32	5,493.78	5,145.22	37.21	35.80	112.25	-282.00	1,843.21	1,489.78	1,431.31	58.47	25.479		
5,500.00	5,048.07	5,553.00	5,203.84	38.18	36.03	113.25	-273.65	1,842.23	1,495.71	1,436.51	59.20	25.266		
5,600.00	5,134.81	5,611.81	5,262.22	39.15	36.23	114.25	-266.58	1,841.35	1,504.75	1,444.87	59.89	25.127		
5,700.00	5,221.56	5,675.50	5,325.55	40.12	36.44	115.33	-259.93	1,840.52	1,516.58	1,456.01	60.57	25.038		
5,800.00	5,308.31	5,742.00	5,391.80	41.09	36.65	116.45	-254.18	1,839.57	1,531.20	1,469.95	61.25	24.999		
5,900.00	5,395.05	5,790.62	5,440.30	42.06	36.77	117.28	-250.99	1,838.83	1,548.83	1,487.05	61.77	25.073		
6,000.00	5,481.80	5,843.82	5,493.45	43.03	36.91	118.17	-248.72	1,838.06	1,569.75	1,507.46	62.29	25.200		
6,100.00	5,568.55	5,913.16	5,562.76	44.00	37.06	119.33	-246.87	1,837.00	1,593.28	1,530.37	62.91	25.325		
6,200.00	5,655.30	5,982.37	5,631.95	44.97	37.21	120.46	-245.79	1,835.99	1,618.94	1,555.42	63.52	25.486		
6,300.00	5,742.04	6,059.74	5,709.31	45.94	37.36	121.68	-245.31	1,835.30	1,646.54	1,582.35	64.20	25.649		
6,400.00	5,828.79	6,151.10	5,800.68	46.92	37.54	123.09	-244.73	1,834.43	1,675.19	1,610.20	64.99	25.776		
6,500.00	5,915.54	6,244.84	5,894.41	47.89	37.73	124.49	-243.79	1,833.80	1,704.50	1,638.70	65.81	25.902		
6,600.00	6,002.28	6,335.13	5,984.69	48.86	37.92	125.78	-242.54	1,833.36	1,734.41	1,667.82	66.59	26.046		
6,700.00	6,089.03	6,419.33	6,068.88	49.83	38.10	126.95	-241.46	1,833.06	1,765.28	1,697.96	67.32	26.224		
6,800.00	6,175.78	6,511.50	6,161.04	50.81	38.30	128.19	-240.14	1,832.91	1,796.83	1,728.73	68.11	26.382		
6,900.00	6,262.53	6,593.58	6,243.10	51.78	38.48	129.27	-238.99	1,832.61	1,829.20	1,760.39	68.80	26.586		
7,000.00	6,349.27	6,677.53	6,327.05	52.76	38.66	130.33	-238.01	1,832.36	1,862.49	1,792.98	69.51	26.795		
7,100.00	6,436.02	6,766.81	6,416.33	53.73	38.85	131.43	-237.01	1,832.34	1,896.51	1,826.26	70.26	26.995		
7,200.00	6,522.77	6,854.48	6,503.99	54.71	39.05	132.47	-235.95	1,832.27	1,931.10	1,860.12	70.98	27.206		
7,300.00	6,609.51	6,941.60	6,591.11	55.68	39.24	133.47	-234.88	1,832.22	1,966.31	1,894.61	71.70	27.426		
7,400.00	6,696.26	7,022.85	6,672.35	56.66	39.42	134.37	-233.98	1,832.23	2,002.18	1,929.83	72.35	27.672		
7,500.00	6,783.01	7,110.62	6,760.12	57.63	39.61	135.31	-233.32	1,832.52	2,038.87	1,965.81	73.06	27.906		
7,600.00	6,869.76	7,202.86	6,852.35	58.61	39.82	136.25	-232.41	1,833.34	2,075.77	2,001.97	73.80	28.126		
7,683.49	6,942.18	7,275.82	6,925.30	59.42	39.98	136.97	-231.75	1,834.39	2,106.92	2,032.54	74.38	28.326		
7,700.00	6,956.57	7,290.93	6,940.40	59.58	40.01	134.55	-231.62	1,834.66	2,112.90	2,038.40	74.50	28.361		
7,750.00	7,000.85	7,337.50	6,986.97	60.04	40.11	126.28	-231.23	1,835.66	2,128.37	2,053.51	74.87	28.429		
7,800.00	7,045.94	7,382.35	7,031.80	60.46	40.21	116.64	-230.88	1,836.79	2,139.85	2,064.63	75.21	28.450		
7,850.00	7,091.49	7,426.92	7,076.35	60.84	40.30	106.03	-230.58	1,838.02	2,147.30	2,071.75	75.55	28.422		
7,900.00	7,137.15	7,468.19	7,117.60	61.17	40.39	95.18	-230.36	1,839.20	2,150.74	2,074.89	75.85	28.354		
7,950.00	7,182.58	7,507.47	7,156.87	61.44	40.47	85.01	-230.27	1,840.29	2,150.23	2,074.11	76.12	28.247		
8,000.00	7,227.43	7,546.12	7,195.50	61.67	40.56	76.19	-230.29	1,841.31	2,145.81	2,069.43	76.37	28.096		
8,050.00	7,271.36	7,583.57	7,232.94	61.84	40.63	68.98	-230.43	1,842.27	2,137.53	2,060.93	76.60	27.905		
8,100.00	7,314.04	7,620.03	7,269.39	61.96	40.71	63.34	-230.68	1,843.18	2,125.47	2,048.67	76.81	27.672		
8,150.00	7,355.14	7,652.88	7,302.23	62.04	40.77	59.06	-231.02	1,843.98	2,109.76	2,032.79	76.97	27.409		
8,200.00	7,394.34	7,683.37	7,332.70	62.07	40.83	55.95	-231.47	1,844.69	2,090.54	2,013.44	77.11	27.113		
8,250.00	7,431.36	7,712.37	7,361.69	62.06	40.89	53.85	-232.02	1,845.34	2,067.97	1,990.75	77.22	26.780		
8,300.00	7,465.90	7,744.34	7,393.65	62.01	40.95	52.71	-232.74	1,846.04	2,042.18	1,964.82	77.36	26.398		
8,350.00	7,497.71	7,777.73	7,427.02	61.93	41.02	52.47	-233.53	1,846.83	2,013.24	1,935.72	77.52	25.970		
8,400.00	7,526.53	7,808.23	7,457.50	61.81	41.07	53.03	-234.26	1,847.61	1,981.37	1,903.71	77.66	25.513		
8,450.00	7,552.17	7,831.39	7,480.64	61.66	41.12	54.28	-234.83	1,848.23	1,946.82	1,869.08	77.74	25.044		
8,500.00	7,574.41	7,848.97	7,498.21	61.48	41.15	56.30	-235.30	1,848.65	1,909.93	1,832.16	77.77	24.558		
8,550.00	7,593.09	7,864.02	7,513.25	61.29	41.18	59.25	-235.74	1,848.97	1,870.94	1,793.14	77.80	24.049		
8,600.00	7,608.07	7,876.41	7,525.63	61.07	41.20	63.28	-236.12	1,849.21	1,830.12	1,752.30	77.82	23.519		
8,650.00	7,619.23	7,886.03	7,535.24	60.84	41.22	68.57	-236.43	1,849.38	1,787.73	1,709.90	77.83	22.970		
8,700.00	7,626.48	7,892.78	7,541.99	60.60	41.23	75.31	-236.66	1,849.49	1,744.07	1,666.23	77.84	22.405		
8,750.00	7,629.78	7,896.58	7,545.79	60.35	41.24	83.61	-236.79	1,849.54	1,699.42	1,621.56	77.85	21.828		
8,766.45	7,630.00	7,897.17	7,546.38	60.27	41.24	86.67	-236.81	1,849.55	1,684.57	1,606.71	77.86	21.636		
8,800.00	7,630.00	7,898.05	7,547.26	60.10	41.24	86.74	-236.84	1,849.56	1,654.26	1,576.39	77.87	21.244		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
8,900.00	7,630.00	7,900.70	7,549.91	59.61	41.25	86.95	-236.93	1,849.60	1,564.72	1,486.82	77.91	20.085		
9,000.00	7,630.00	7,903.40	7,552.61	59.15	41.25	87.17	-237.03	1,849.64	1,476.52	1,398.57	77.95	18.942		
9,100.00	7,630.00	7,906.16	7,555.37	58.71	41.26	87.39	-237.12	1,849.68	1,389.92	1,311.91	78.01	17.818		
9,200.00	7,630.00	7,908.98	7,558.18	58.30	41.26	87.61	-237.22	1,849.71	1,305.22	1,227.14	78.08	16.717		
9,300.00	7,630.00	7,911.85	7,561.05	57.91	41.27	87.84	-237.33	1,849.75	1,222.82	1,144.65	78.17	15.643		
9,400.00	7,630.00	7,914.82	7,564.01	57.54	41.27	88.08	-237.43	1,849.79	1,143.23	1,064.95	78.28	14.604		
9,500.00	7,630.00	7,917.90	7,567.10	57.19	41.28	88.33	-237.55	1,849.82	1,067.07	988.64	78.43	13.605		
9,600.00	7,630.00	7,921.03	7,570.22	56.87	41.29	88.58	-237.66	1,849.86	995.12	916.50	78.62	12.658		
9,700.00	7,630.00	7,924.20	7,573.39	56.57	41.29	88.83	-237.78	1,849.89	928.38	849.51	78.86	11.772		
9,800.00	7,630.00	7,927.40	7,576.59	56.30	41.30	89.09	-237.90	1,849.92	868.03	788.84	79.19	10.962		
9,900.00	7,630.00	7,930.65	7,579.84	56.05	41.30	89.35	-238.02	1,849.95	815.50	735.89	79.61	10.243		
10,000.00	7,630.00	7,933.94	7,583.12	55.82	41.31	89.61	-238.15	1,849.98	772.38	692.23	80.16	9.636		
10,100.00	7,630.00	7,937.27	7,586.45	55.63	41.32	89.88	-238.27	1,850.01	740.33	659.51	80.82	9.160		
10,200.00	7,630.00	7,940.65	7,589.82	55.46	41.32	90.15	-238.40	1,850.04	720.82	639.27	81.56	8.838		
10,292.74	7,630.00	7,943.82	7,592.99	55.33	41.33	90.40	-238.52	1,850.06	714.84	632.62	82.22	8.694 CC		
10,300.00	7,630.00	7,944.07	7,593.24	55.32	41.33	90.42	-238.53	1,850.06	714.88	632.61	82.27	8.689 ES, SF		
10,400.00	7,630.00	7,947.53	7,596.70	55.22	41.33	90.70	-238.67	1,850.08	722.83	639.98	82.85	8.725		
10,500.00	7,630.00	7,951.04	7,600.21	55.15	41.34	90.98	-238.80	1,850.10	744.24	661.04	83.20	8.945		
10,600.00	7,630.00	7,954.60	7,603.76	55.14	41.35	91.26	-238.94	1,850.12	778.00	694.70	83.30	9.340		
10,700.00	7,630.00	7,958.20	7,607.37	55.18	41.35	91.55	-239.09	1,850.14	822.58	739.40	83.18	9.889		
10,800.00	7,630.00	7,961.86	7,611.02	55.28	41.36	91.84	-239.23	1,850.15	876.33	793.43	82.91	10.570		
10,900.00	7,630.00	7,965.56	7,614.72	55.47	41.37	92.14	-239.38	1,850.17	937.69	855.14	82.55	11.359		
11,000.00	7,630.00	7,969.32	7,618.47	55.74	41.37	92.44	-239.53	1,850.18	1,005.25	923.09	82.16	12.236		
11,100.00	7,630.00	7,973.12	7,622.27	56.11	41.38	92.75	-239.69	1,850.18	1,077.85	996.08	81.77	13.182		
11,200.00	7,630.00	7,976.98	7,626.13	56.60	41.39	93.05	-239.85	1,850.19	1,154.54	1,073.14	81.40	14.183		
11,300.00	7,630.00	7,980.89	7,630.04	57.20	41.40	93.37	-240.01	1,850.19	1,234.56	1,153.49	81.07	15.229		
11,400.00	7,630.00	7,984.86	7,634.01	57.91	41.40	93.68	-240.17	1,850.19	1,317.30	1,236.53	80.77	16.310		
11,500.00	7,630.00	7,988.89	7,638.03	58.72	41.41	94.00	-240.34	1,850.19	1,402.28	1,321.77	80.50	17.419		
11,600.00	7,630.00	7,992.97	7,642.11	59.63	41.42	94.33	-240.51	1,850.19	1,489.11	1,408.84	80.27	18.551		
11,700.00	7,630.00	7,997.11	7,646.24	60.61	41.43	94.66	-240.69	1,850.18	1,577.50	1,497.43	80.07	19.702		
11,800.00	7,630.00	8,001.31	7,650.44	61.67	41.43	94.99	-240.87	1,850.17	1,667.18	1,587.29	79.89	20.869		
11,900.00	7,630.00	8,005.58	7,654.70	62.78	41.44	95.33	-241.05	1,850.15	1,757.97	1,678.24	79.73	22.048		
12,000.00	7,630.00	8,009.95	7,659.07	63.95	41.45	95.68	-241.24	1,850.13	1,849.70	1,770.10	79.60	23.238		
12,100.00	7,630.00	8,014.59	7,663.71	65.16	41.46	96.05	-241.44	1,850.11	1,942.24	1,862.76	79.48	24.437		
12,200.00	7,630.00	8,019.36	7,668.47	66.41	41.47	96.42	-241.65	1,850.08	2,035.47	1,956.09	79.37	25.644		
12,300.00	7,630.00	8,024.26	7,673.37	67.68	41.47	96.81	-241.87	1,850.04	2,129.30	2,050.02	79.28	26.857		
12,400.00	7,630.00	8,029.30	7,678.40	68.99	41.48	97.21	-242.10	1,850.00	2,223.67	2,144.47	79.20	28.076		
12,500.00	7,630.00	8,034.48	7,683.58	70.33	41.49	97.61	-242.34	1,849.95	2,318.49	2,239.36	79.13	29.300		
12,600.00	7,630.00	8,039.81	7,688.90	71.68	41.50	98.03	-242.59	1,849.89	2,413.73	2,334.66	79.07	30.528		
12,700.00	7,630.00	8,045.30	7,694.38	73.06	41.51	98.46	-242.86	1,849.82	2,509.32	2,430.31	79.01	31.760		
12,800.00	7,630.00	8,050.95	7,700.02	74.45	41.52	98.90	-243.13	1,849.75	2,605.23	2,526.27	78.96	32.994		
12,900.00	7,630.00	8,056.77	7,705.83	75.87	41.53	99.36	-243.41	1,849.66	2,701.43	2,622.52	78.92	34.231		
13,000.00	7,630.00	8,062.76	7,711.82	77.29	41.54	99.82	-243.71	1,849.57	2,797.89	2,719.01	78.88	35.471		
13,100.00	7,630.00	8,068.95	7,717.99	78.74	41.55	100.30	-244.02	1,849.46	2,894.58	2,815.73	78.84	36.712		
13,200.00	7,630.00	13,200.00	7,904.25	80.19	48.57	113.86	-258.46	1,849.70	2,991.33	2,900.83	90.50	33.053		
13,300.00	7,630.00	13,300.00	7,914.32	81.66	48.71	114.54	-259.49	1,850.01	3,087.95	2,997.24	90.71	34.042		
13,400.00	7,630.00	13,400.00	7,924.39	83.14	48.85	115.21	-260.51	1,850.32	3,184.74	3,093.82	90.92	35.026		
13,500.00	7,630.00	13,500.00	7,934.46	84.63	48.99	115.88	-261.54	1,850.63	3,281.70	3,190.55	91.14	36.007		
13,600.00	7,630.00	13,600.00	7,944.52	86.14	49.12	116.54	-262.56	1,850.94	3,378.80	3,287.44	91.36	36.983		
13,700.00	7,630.00	8,292.00	7,940.20	87.65	41.89	116.26	-262.12	1,850.81	3,476.07	3,397.86	78.21	44.448		
13,800.00	7,630.00	8,321.74	7,969.73	89.17	41.94	118.18	-265.33	1,852.28	3,573.10	3,494.94	78.16	45.717		
13,900.00	7,630.00	8,324.91	7,972.88	90.70	41.94	118.38	-265.64	1,852.43	3,670.57	3,592.39	78.18	46.950		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
14,000.00	7,630.00	8,327.98	7,975.93	92.24	41.95	118.58	-265.94	1,852.57	3,768.17	3,689.96	78.21	48.182		
14,100.00	7,630.00	8,330.93	7,978.87	93.78	41.95	118.76	-266.22	1,852.70	3,865.88	3,787.65	78.23	49.415		
14,200.00	7,630.00	8,333.79	7,981.71	95.33	41.95	118.94	-266.49	1,852.83	3,963.70	3,885.44	78.26	50.647		
14,300.00	7,630.00	8,336.56	7,984.46	96.89	41.96	119.12	-266.74	1,852.96	4,061.62	3,983.33	78.29	51.880		
14,400.00	7,630.00	8,339.23	7,987.13	98.46	41.96	119.28	-266.98	1,853.07	4,159.64	4,081.32	78.32	53.111		
14,500.00	7,630.00	8,341.82	7,989.70	100.03	41.97	119.45	-267.21	1,853.19	4,257.73	4,179.38	78.35	54.343		
14,600.00	7,630.00	8,344.33	7,992.20	101.61	41.97	119.60	-267.43	1,853.29	4,355.92	4,277.53	78.38	55.574		
14,700.00	7,630.00	8,346.76	7,994.62	103.20	41.97	119.75	-267.64	1,853.40	4,454.17	4,375.76	78.41	56.804		
14,800.00	7,630.00	8,349.11	7,996.96	104.78	41.98	119.90	-267.84	1,853.50	4,552.50	4,474.05	78.45	58.034		
14,900.00	7,630.00	8,351.40	7,999.23	106.38	41.98	120.04	-268.04	1,853.59	4,650.90	4,572.42	78.48	59.263		
15,000.00	7,630.00	8,353.62	8,001.44	107.98	41.98	120.17	-268.22	1,853.69	4,749.35	4,670.84	78.51	60.491		
15,100.00	7,630.00	8,386.00	8,033.72	109.58	42.03	122.13	-270.58	1,854.94	4,848.23	4,769.73	78.50	61.758		
15,200.00	7,630.00	8,386.00	8,033.72	111.19	42.03	122.13	-270.58	1,854.94	4,946.75	4,868.21	78.54	62.980		
15,300.00	7,630.00	8,386.00	8,033.72	112.81	42.03	122.13	-270.58	1,854.94	5,045.34	4,966.75	78.58	64.203		
15,400.00	7,630.00	8,386.00	8,033.72	114.42	42.03	122.13	-270.58	1,854.94	5,143.97	5,065.35	78.62	65.425		
15,500.00	7,630.00	8,386.00	8,033.72	116.05	42.03	122.13	-270.58	1,854.94	5,242.66	5,164.00	78.66	66.646		
15,600.00	7,630.00	8,386.00	8,033.72	117.67	42.03	122.13	-270.58	1,854.94	5,341.40	5,262.70	78.71	67.866		
15,700.00	7,630.00	8,386.00	8,033.72	119.30	42.03	122.13	-270.58	1,854.94	5,440.18	5,361.44	78.75	69.085		
15,800.00	7,630.00	8,386.00	8,033.72	120.93	42.03	122.13	-270.58	1,854.94	5,539.01	5,460.23	78.79	70.304		
15,900.00	7,630.00	8,386.00	8,033.72	122.57	42.03	122.13	-270.58	1,854.94	5,637.88	5,559.05	78.83	71.521		
16,000.00	7,630.00	8,386.00	8,033.72	124.21	42.03	122.13	-270.58	1,854.94	5,736.79	5,657.92	78.87	72.738		
16,100.00	7,630.00	8,386.00	8,033.72	125.85	42.03	122.13	-270.58	1,854.94	5,835.73	5,756.82	78.91	73.953		
16,200.00	7,630.00	8,386.00	8,033.72	127.50	42.03	122.13	-270.58	1,854.94	5,934.72	5,855.76	78.95	75.168		
16,300.00	7,630.00	8,386.00	8,033.72	129.15	42.03	122.13	-270.58	1,854.94	6,033.73	5,954.73	79.00	76.381		
16,400.00	7,630.00	8,386.00	8,033.72	130.80	42.03	122.13	-270.58	1,854.94	6,132.78	6,053.74	79.04	77.593		
16,500.00	7,630.00	8,386.00	8,033.72	132.46	42.03	122.13	-270.58	1,854.94	6,231.85	6,152.77	79.08	78.804		
16,600.00	7,630.00	8,386.00	8,033.72	134.11	42.03	122.13	-270.58	1,854.94	6,330.96	6,251.83	79.12	80.014		
16,700.00	7,630.00	8,386.00	8,033.72	135.77	42.03	122.13	-270.58	1,854.94	6,430.09	6,350.92	79.17	81.223		
16,800.00	7,630.00	8,386.00	8,033.72	137.43	42.03	122.13	-270.58	1,854.94	6,529.25	6,450.04	79.21	82.430		
16,900.00	7,630.00	8,386.00	8,033.72	139.10	42.03	122.13	-270.58	1,854.94	6,628.44	6,549.18	79.25	83.636		
17,000.00	7,630.00	8,386.00	8,033.72	140.77	42.03	122.13	-270.58	1,854.94	6,727.65	6,648.35	79.30	84.840		
17,100.00	7,630.00	8,386.00	8,033.72	142.44	42.03	122.13	-270.58	1,854.94	6,826.88	6,747.54	79.34	86.044		
17,200.00	7,630.00	8,386.00	8,033.72	144.11	42.03	122.13	-270.58	1,854.94	6,926.13	6,846.75	79.39	87.245		
17,300.00	7,630.00	8,386.00	8,033.72	145.78	42.03	122.13	-270.58	1,854.94	7,025.41	6,945.98	79.43	88.446		
17,400.00	7,630.00	8,386.00	8,033.72	147.46	42.03	122.13	-270.58	1,854.94	7,124.70	7,045.23	79.48	89.645		
17,500.00	7,630.00	8,386.00	8,033.72	149.13	42.03	122.13	-270.58	1,854.94	7,224.02	7,144.50	79.52	90.842		
17,600.00	7,630.00	8,386.00	8,033.72	150.81	42.03	122.13	-270.58	1,854.94	7,323.35	7,243.78	79.57	92.038		
17,700.00	7,630.00	8,386.00	8,033.72	152.49	42.03	122.13	-270.58	1,854.94	7,422.70	7,343.09	79.62	93.232		
17,800.00	7,630.00	8,386.00	8,033.72	154.18	42.03	122.13	-270.58	1,854.94	7,522.07	7,442.41	79.66	94.425		
17,900.00	7,630.00	8,386.00	8,033.72	155.86	42.03	122.13	-270.58	1,854.94	7,621.46	7,541.75	79.71	95.616		
18,000.00	7,630.00	8,412.60	8,060.25	157.55	42.08	123.67	-272.20	1,855.88	7,720.74	7,640.99	79.75	96.808		
18,100.00	7,630.00	8,414.79	8,062.44	159.24	42.08	123.80	-272.33	1,855.96	7,820.14	7,740.33	79.80	97.995		
18,200.00	7,630.00	8,416.95	8,064.59	160.92	42.09	123.92	-272.45	1,856.03	7,919.55	7,839.70	79.85	99.180		
18,300.00	7,630.00	8,419.08	8,066.72	162.62	42.09	124.04	-272.57	1,856.10	8,018.97	7,939.07	79.90	100.363		
18,400.00	7,630.00	8,421.18	8,068.81	164.31	42.09	124.16	-272.69	1,856.18	8,118.40	8,038.46	79.95	101.545		
18,458.39	7,630.00	8,422.39	8,070.01	165.30	42.10	124.23	-272.76	1,856.22	8,176.47	8,096.50	79.98	102.234		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	70.13	772.02	2,135.79	2,271.41					
100.00	100.00	61.75	61.75	0.13	0.10	70.13	771.80	2,135.83	2,271.01	2,270.77	0.23	9,716.413		
200.00	200.00	166.44	166.43	0.49	0.36	70.16	770.65	2,136.00	2,270.78	2,269.93	0.85	2,677.146		
300.00	300.00	270.13	270.12	0.85	0.73	70.18	769.88	2,135.82	2,270.36	2,268.78	1.58	1,438.992		
400.00	400.00	360.06	360.05	1.21	1.05	70.19	769.32	2,135.66	2,270.00	2,267.74	2.26	1,005.988		
406.23	406.23	365.24	365.23	1.23	1.06	70.19	769.28	2,135.67	2,270.00	2,267.70	2.30	988.161		
500.00	500.00	451.25	451.23	1.57	1.37	70.21	768.78	2,136.08	2,270.22	2,267.29	2.94	772.906		
600.00	600.00	539.93	539.91	1.93	1.68	70.22	768.55	2,136.64	2,270.74	2,267.13	3.61	629.509		
700.00	700.00	632.42	632.39	2.29	2.01	70.23	768.29	2,137.83	2,271.85	2,267.55	4.29	529.465		
800.00	800.00	729.56	729.52	2.64	2.35	70.25	768.07	2,139.14	2,273.04	2,268.05	4.99	455.415		
900.00	900.00	832.35	832.30	3.00	2.71	70.26	768.24	2,140.50	2,274.35	2,268.64	5.71	398.189		
1,000.00	1,000.00	947.68	947.63	3.36	3.11	70.25	768.66	2,141.42	2,275.23	2,268.75	6.47	351.603		
1,100.00	1,100.00	1,051.75	1,051.69	3.72	3.46	70.22	769.93	2,141.41	2,275.62	2,268.44	7.18	316.824		
1,200.00	1,199.98	1,136.01	1,135.94	4.07	3.75	19.15	771.15	2,141.58	2,274.66	2,266.83	7.83	290.619		
1,300.00	1,299.84	1,236.79	1,236.71	4.43	4.10	19.19	772.52	2,141.90	2,270.47	2,261.94	8.53	266.190		
1,400.00	1,399.45	1,296.44	1,296.34	4.79	4.31	19.24	774.02	2,142.54	2,264.09	2,255.00	9.09	249.091		
1,500.00	1,498.70	1,356.02	1,355.84	5.15	4.52	19.30	776.64	2,143.89	2,256.19	2,246.54	9.65	233.815		
1,600.00	1,597.47	1,409.00	1,408.69	5.53	4.71	19.37	779.89	2,145.71	2,246.79	2,236.61	10.19	220.587		
1,700.00	1,695.62	1,478.65	1,478.06	5.93	4.96	19.46	785.23	2,148.97	2,235.77	2,224.99	10.79	207.268		
1,800.00	1,793.06	1,537.98	1,537.05	6.35	5.17	19.56	790.54	2,152.58	2,223.17	2,211.82	11.35	195.827		
1,900.00	1,889.64	1,598.00	1,596.57	6.79	5.39	19.68	796.65	2,157.19	2,209.16	2,197.24	11.92	185.257		
2,000.00	1,985.27	1,657.73	1,655.68	7.27	5.62	19.83	803.25	2,162.70	2,193.65	2,181.15	12.50	175.446		
2,100.00	2,079.82	1,722.25	1,719.39	7.79	5.86	20.01	810.74	2,169.60	2,176.50	2,163.39	13.11	166.028		
2,200.00	2,173.17	1,787.00	1,783.15	8.36	6.11	20.22	819.03	2,177.24	2,157.59	2,143.86	13.73	157.188		
2,300.00	2,265.21	1,846.88	1,841.94	8.97	6.36	20.45	827.24	2,185.15	2,137.09	2,122.76	14.34	149.077		
2,400.00	2,355.84	1,911.42	1,905.08	9.64	6.62	20.72	836.44	2,194.78	2,115.15	2,100.17	14.98	141.215		
2,500.00	2,444.94	1,975.00	1,967.15	10.36	6.89	21.03	845.78	2,204.93	2,091.30	2,075.66	15.63	133.780		
2,591.69	2,525.19	2,029.08	2,019.79	11.07	7.13	21.35	853.60	2,214.50	2,068.12	2,051.89	16.23	127.433		
2,600.00	2,532.40	2,033.36	2,023.95	11.14	7.14	21.36	854.20	2,215.32	2,065.99	2,049.70	16.28	126.883		
2,700.00	2,619.15	2,090.39	2,079.24	11.96	7.40	21.56	861.85	2,227.04	2,041.47	2,024.53	16.94	120.542		
2,800.00	2,705.89	2,164.00	2,150.40	12.81	7.74	21.86	870.86	2,243.56	2,018.49	2,000.81	17.68	114.160		
2,900.00	2,792.64	2,239.17	2,222.93	13.67	8.09	22.22	878.70	2,261.68	1,996.67	1,978.22	18.45	108.225		
3,000.00	2,879.39	2,310.48	2,291.58	14.55	8.43	22.60	885.07	2,279.88	1,975.96	1,956.74	19.21	102.837		
3,100.00	2,966.14	2,381.38	2,359.57	15.44	8.79	22.99	891.67	2,298.89	1,956.72	1,936.73	19.99	97.875		
3,200.00	3,052.88	2,449.00	2,424.19	16.34	9.13	23.37	897.82	2,317.81	1,938.81	1,918.05	20.77	93.360		
3,300.00	3,139.63	2,508.89	2,481.12	17.25	9.46	23.72	903.63	2,335.49	1,922.76	1,901.24	21.51	89.370		
3,400.00	3,226.38	2,579.67	2,547.88	18.17	9.85	24.10	911.48	2,357.65	1,908.86	1,886.53	22.33	85.481		
3,500.00	3,313.12	2,688.02	2,650.00	19.09	10.48	24.72	922.84	2,392.02	1,895.49	1,872.12	23.38	81.088		
3,600.00	3,399.87	2,800.96	2,756.83	20.02	11.14	25.38	934.70	2,426.71	1,881.27	1,856.81	24.46	76.900		
3,700.00	3,486.62	2,897.95	2,848.63	20.96	11.72	25.91	945.80	2,455.98	1,866.93	1,841.45	25.48	73.273		
3,800.00	3,573.37	2,993.99	2,939.48	21.90	12.30	26.45	956.87	2,485.05	1,852.87	1,826.36	26.51	69.903		
3,900.00	3,660.11	3,077.66	3,018.57	22.84	12.81	26.93	966.53	2,510.61	1,839.28	1,811.80	27.48	66.931		
4,000.00	3,746.86	3,172.63	3,108.08	23.78	13.41	27.46	978.03	2,540.17	1,826.55	1,798.01	28.53	64.012		
4,100.00	3,833.61	3,281.47	3,210.82	24.73	14.09	28.09	990.89	2,573.70	1,813.61	1,783.92	29.69	61.091		
4,200.00	3,920.35	3,394.05	3,317.44	25.68	14.80	28.79	1,002.91	2,607.81	1,800.14	1,769.26	30.88	58.294		
4,300.00	4,007.10	3,480.21	3,399.04	26.63	15.34	29.31	1,012.56	2,633.75	1,786.75	1,754.81	31.94	55.945		
4,400.00	4,093.85	3,577.14	3,490.68	27.59	15.96	29.89	1,024.07	2,663.13	1,773.89	1,740.81	33.07	53.634		
4,500.00	4,180.60	3,696.71	3,604.04	28.55	16.72	30.63	1,038.06	2,698.50	1,760.42	1,726.06	34.36	51.236		
4,600.00	4,267.34	3,787.85	3,690.55	29.50	17.30	31.21	1,048.04	2,725.37	1,746.97	1,711.47	35.50	49.210		
4,700.00	4,354.09	3,892.92	3,790.34	30.46	17.96	31.89	1,060.02	2,756.03	1,733.48	1,696.74	36.74	47.185		
4,800.00	4,440.84	3,982.06	3,875.01	31.42	18.53	32.48	1,069.70	2,782.16	1,720.29	1,682.38	37.91	45.383		
4,900.00	4,527.58	4,073.05	3,961.24	32.39	19.11	33.09	1,079.82	2,809.37	1,707.94	1,668.84	39.10	43.678		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference 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: 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	4,614.33	4,199.64	4,081.40	33.35	19.92	33.89	1,095.56	2,845.94	1,694.90	1,654.38	40.52	41.827		
5,100.00	4,701.08	4,294.97	4,172.22	34.31	20.52	34.52	1,106.90	2,872.60	1,681.11	1,639.33	41.78	40.239		
5,200.00	4,787.82	4,384.27	4,257.25	35.28	21.08	35.16	1,116.22	2,898.26	1,668.20	1,625.17	43.03	38.767		
5,300.00	4,874.57	4,490.59	4,358.42	36.25	21.76	35.92	1,128.03	2,928.71	1,655.50	1,611.10	44.40	37.286		
5,400.00	4,961.32	4,579.15	4,442.76	37.21	22.32	36.54	1,138.30	2,953.72	1,642.68	1,597.00	45.68	35.957		
5,500.00	5,048.07	4,684.03	4,542.20	38.18	22.99	37.22	1,152.37	2,983.93	1,630.76	1,583.69	47.07	34.644		
5,600.00	5,134.81	4,809.81	4,662.25	39.15	23.78	38.12	1,167.25	3,018.37	1,617.52	1,568.90	48.61	33.273		
5,700.00	5,221.56	4,910.08	4,758.43	40.12	24.38	38.93	1,176.79	3,045.05	1,603.73	1,553.68	50.04	32.047		
5,800.00	5,308.31	5,052.93	4,896.36	41.09	25.20	40.19	1,188.49	3,080.31	1,588.21	1,536.48	51.74	30.698		
5,900.00	5,395.05	5,254.42	5,092.88	42.06	26.24	42.10	1,203.15	3,122.05	1,569.86	1,516.23	53.63	29.270		
6,000.00	5,481.80	5,408.46	5,244.99	43.03	26.91	43.80	1,210.13	3,145.22	1,546.22	1,490.92	55.30	27.961		
6,100.00	5,568.55	5,633.12	5,468.70	44.00	27.69	46.65	1,216.22	3,164.02	1,516.82	1,459.88	56.94	26.641		
6,200.00	5,655.30	5,767.88	5,603.42	44.97	28.06	48.61	1,217.09	3,166.78	1,482.65	1,424.17	58.48	25.352		
6,300.00	5,742.04	5,858.26	5,693.80	45.94	28.30	50.00	1,217.80	3,167.38	1,448.21	1,388.08	60.12	24.088		
6,400.00	5,828.79	5,938.18	5,773.71	46.92	28.51	51.28	1,218.47	3,168.07	1,414.79	1,352.96	61.83	22.882		
6,500.00	5,915.54	6,025.67	5,861.20	47.89	28.75	52.72	1,219.35	3,169.10	1,382.51	1,318.94	63.57	21.747		
6,600.00	6,002.28	6,117.57	5,953.08	48.86	29.00	54.29	1,220.47	3,170.06	1,351.05	1,285.70	65.35	20.673		
6,700.00	6,089.03	6,209.43	6,044.94	49.83	29.24	55.94	1,221.52	3,170.68	1,320.32	1,253.14	67.18	19.653		
6,800.00	6,175.78	6,299.57	6,135.07	50.81	29.49	57.62	1,222.46	3,171.01	1,290.45	1,221.38	69.06	18.685		
6,900.00	6,262.53	6,384.92	6,220.42	51.78	29.71	59.29	1,223.00	3,171.15	1,261.71	1,190.70	71.00	17.770		
7,000.00	6,349.27	6,470.75	6,306.25	52.76	29.94	61.05	1,223.13	3,171.33	1,234.43	1,161.45	72.99	16.913		
7,100.00	6,436.02	6,552.11	6,387.60	53.73	30.16	62.76	1,223.53	3,171.72	1,208.69	1,133.68	75.01	16.114		
7,200.00	6,522.77	6,636.03	6,471.52	54.71	30.39	64.58	1,223.81	3,172.67	1,185.00	1,107.96	77.05	15.380		
7,300.00	6,609.51	6,728.93	6,564.42	55.68	30.64	66.67	1,224.09	3,173.29	1,162.52	1,083.42	79.10	14.696		
7,400.00	6,696.26	6,815.99	6,651.47	56.66	30.89	68.67	1,224.72	3,173.99	1,141.66	1,060.49	81.17	14.065		
7,500.00	6,783.01	6,907.38	6,742.85	57.63	31.14	70.80	1,225.93	3,174.75	1,122.30	1,039.08	83.22	13.486		
7,600.00	6,869.76	6,996.84	6,832.30	58.61	31.40	72.96	1,227.06	3,175.22	1,104.53	1,019.27	85.26	12.954		
7,683.49	6,942.18	7,073.43	6,908.89	59.42	31.61	74.87	1,227.79	3,175.21	1,090.94	1,003.99	86.95	12.547		
7,700.00	6,956.57	7,088.72	6,924.18	59.58	31.65	72.60	1,227.92	3,175.17	1,088.23	1,000.96	87.27	12.469		
7,750.00	7,000.85	7,135.82	6,971.27	60.04	31.78	64.54	1,228.49	3,175.03	1,078.43	990.24	88.19	12.229		
7,800.00	7,045.94	7,182.65	7,018.09	60.46	31.91	54.68	1,229.24	3,174.89	1,066.11	977.13	88.99	11.981		
7,850.00	7,091.49	7,227.73	7,063.17	60.84	32.03	43.38	1,229.99	3,174.75	1,051.33	961.65	89.68	11.723		
7,900.00	7,137.15	7,272.40	7,107.83	61.17	32.15	31.39	1,230.68	3,174.62	1,034.09	943.82	90.26	11.456		
7,950.00	7,182.58	7,315.56	7,150.99	61.44	32.27	19.56	1,231.30	3,174.53	1,014.46	923.73	90.73	11.181		
8,000.00	7,227.43	7,358.22	7,193.65	61.67	32.39	8.52	1,231.84	3,174.51	992.55	901.47	91.09	10.897		
8,050.00	7,271.36	7,400.27	7,235.69	61.84	32.51	-1.54	1,232.32	3,174.54	968.46	877.14	91.32	10.605		
8,100.00	7,314.04	7,441.16	7,276.58	61.96	32.63	-10.72	1,232.71	3,174.60	942.35	850.93	91.43	10.307		
8,150.00	7,355.14	7,479.82	7,315.25	62.04	32.73	-19.26	1,232.97	3,174.68	914.47	823.07	91.40	10.005		
8,200.00	7,394.34	7,516.72	7,352.15	62.07	32.84	-27.41	1,233.06	3,174.75	885.11	793.88	91.23	9.702		
8,250.00	7,431.36	7,552.29	7,387.71	62.06	32.93	-35.37	1,232.99	3,174.81	854.61	763.72	90.89	9.402		
8,300.00	7,465.90	7,587.07	7,422.49	62.01	33.02	-43.30	1,232.84	3,174.83	823.32	732.95	90.37	9.111		
8,350.00	7,497.71	7,619.18	7,454.60	61.93	33.11	-51.13	1,232.67	3,174.82	791.70	702.07	89.63	8.833		
8,400.00	7,526.53	7,648.00	7,483.42	61.81	33.18	-58.71	1,232.47	3,174.79	760.32	671.67	88.65	8.576		
8,450.00	7,552.17	7,673.22	7,508.64	61.66	33.25	-65.82	1,232.28	3,174.77	729.86	642.46	87.40	8.351		
8,500.00	7,574.41	7,695.25	7,530.67	61.48	33.31	-72.25	1,232.09	3,174.76	701.03	615.21	85.83	8.168		
8,550.00	7,593.09	7,713.89	7,549.31	61.29	33.36	-77.82	1,231.91	3,174.76	674.62	590.71	83.92	8.039		
8,600.00	7,608.07	7,729.00	7,564.42	61.07	33.40	-82.40	1,231.76	3,174.77	651.44	569.78	81.66	7.978 SF		
8,650.00	7,619.23	7,740.25	7,575.66	60.84	33.43	-85.89	1,231.64	3,174.78	632.28	553.21	79.07	7.996		
8,700.00	7,626.48	7,747.70	7,583.11	60.60	33.45	-88.30	1,231.57	3,174.79	617.91	541.67	76.24	8.105		
8,750.00	7,629.78	7,751.35	7,586.77	60.35	33.46	-89.62	1,231.53	3,174.80	608.90	535.62	73.27	8.310		
8,766.45	7,630.00	7,751.72	7,587.14	60.27	33.46	-89.82	1,231.53	3,174.80	607.18	534.88	72.30	8.398 ES		
8,800.00	7,630.00	7,752.05	7,587.47	60.10	33.46	-89.85	1,231.52	3,174.80	605.24	534.89	70.35	8.603		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
8,818.24	7,630.00	7,752.23	7,587.65	60.01	33.46	-89.87	1,231.52	3,174.80	604.97	535.63	69.34	8.725 CC		
8,900.00	7,630.00	7,753.03	7,588.45	59.61	33.46	-89.95	1,231.51	3,174.80	610.47	545.12	65.35	9.342		
9,000.00	7,630.00	7,754.01	7,589.43	59.15	33.46	-90.04	1,231.50	3,174.80	631.68	569.36	62.32	10.137		
9,100.00	7,630.00	7,754.99	7,590.40	58.71	33.46	-90.13	1,231.49	3,174.81	667.36	605.70	61.65	10.824		
9,200.00	7,630.00	7,755.96	7,591.38	58.30	33.47	-90.23	1,231.48	3,174.81	715.34	652.46	62.88	11.376		
9,300.00	7,630.00	7,756.94	7,592.35	57.91	33.47	-90.32	1,231.47	3,174.81	773.34	708.18	65.16	11.869		
9,400.00	7,630.00	7,757.91	7,593.32	57.54	33.47	-90.41	1,231.46	3,174.81	839.28	771.49	67.79	12.380		
9,500.00	7,630.00	7,758.88	7,594.30	57.19	33.48	-90.50	1,231.45	3,174.82	911.45	841.06	70.39	12.949		
9,600.00	7,630.00	7,759.85	7,595.26	56.87	33.48	-90.59	1,231.44	3,174.82	988.47	915.69	72.77	13.583		
9,700.00	7,630.00	7,760.81	7,596.23	56.57	33.48	-90.68	1,231.43	3,174.82	1,069.30	994.41	74.89	14.278		
9,800.00	7,630.00	7,761.78	7,597.20	56.30	33.48	-90.78	1,231.42	3,174.82	1,153.14	1,076.41	76.74	15.027		
9,900.00	7,630.00	7,762.74	7,598.16	56.05	33.49	-90.87	1,231.41	3,174.83	1,239.38	1,161.04	78.34	15.821		
10,000.00	7,630.00	7,763.70	7,599.12	55.82	33.49	-90.96	1,231.40	3,174.83	1,327.55	1,247.82	79.73	16.651		
10,100.00	7,630.00	7,764.66	7,600.08	55.63	33.49	-91.05	1,231.39	3,174.83	1,417.29	1,336.36	80.94	17.511		
10,200.00	7,630.00	7,765.62	7,601.04	55.46	33.49	-91.14	1,231.38	3,174.84	1,508.33	1,426.33	81.99	18.396		
10,300.00	7,630.00	7,766.58	7,601.99	55.32	33.50	-91.23	1,231.37	3,174.84	1,600.43	1,517.51	82.92	19.301		
10,400.00	7,630.00	7,767.53	7,602.95	55.22	33.50	-91.32	1,231.36	3,174.84	1,693.43	1,609.69	83.73	20.224		
10,500.00	7,630.00	7,768.49	7,603.90	55.15	33.50	-91.41	1,231.35	3,174.85	1,787.18	1,702.73	84.45	21.161		
10,600.00	7,630.00	7,769.44	7,604.85	55.14	33.50	-91.50	1,231.34	3,174.85	1,881.58	1,796.48	85.10	22.111		
10,700.00	7,630.00	7,770.39	7,605.80	55.18	33.51	-91.59	1,231.34	3,174.85	1,976.52	1,890.85	85.67	23.071		
10,800.00	7,630.00	7,771.34	7,606.75	55.28	33.51	-91.68	1,231.33	3,174.86	2,071.95	1,985.76	86.19	24.039		
10,900.00	7,630.00	7,772.28	7,607.70	55.47	33.51	-91.77	1,231.32	3,174.86	2,167.78	2,081.12	86.66	25.016		
11,000.00	7,630.00	7,773.23	7,608.64	55.74	33.51	-91.86	1,231.31	3,174.86	2,263.97	2,176.90	87.08	25.999		
11,100.00	7,630.00	7,774.17	7,609.58	56.11	33.52	-91.95	1,231.30	3,174.87	2,360.48	2,273.02	87.47	26.988		
11,200.00	7,630.00	7,775.11	7,610.53	56.60	33.52	-92.04	1,231.29	3,174.87	2,457.27	2,369.46	87.82	27.981		
11,300.00	7,630.00	7,776.05	7,611.46	57.20	33.52	-92.13	1,231.28	3,174.87	2,554.31	2,466.17	88.14	28.980		
11,400.00	7,630.00	7,776.99	7,612.40	57.91	33.52	-92.22	1,231.27	3,174.88	2,651.57	2,563.13	88.44	29.982		
11,500.00	7,630.00	7,777.92	7,613.34	58.72	33.53	-92.30	1,231.26	3,174.88	2,749.02	2,660.30	88.72	30.987		
11,600.00	7,630.00	7,778.86	7,614.27	59.63	33.53	-92.39	1,231.25	3,174.88	2,846.65	2,757.68	88.97	31.995		
11,700.00	7,630.00	7,779.79	7,615.21	60.61	33.53	-92.48	1,231.24	3,174.89	2,944.43	2,855.23	89.21	33.006		
11,800.00	7,630.00	7,780.72	7,616.14	61.67	33.53	-92.57	1,231.23	3,174.89	3,042.37	2,952.94	89.43	34.020		
11,900.00	7,630.00	7,781.65	7,617.07	62.78	33.54	-92.66	1,231.22	3,174.90	3,140.43	3,050.79	89.64	35.035		
12,000.00	7,630.00	7,782.58	7,617.99	63.95	33.54	-92.74	1,231.21	3,174.90	3,238.61	3,148.78	89.83	36.052		
12,100.00	7,630.00	7,783.51	7,618.92	65.16	33.54	-92.83	1,231.20	3,174.90	3,336.89	3,246.88	90.01	37.071		
12,200.00	7,630.00	7,784.43	7,619.85	66.41	33.54	-92.92	1,231.19	3,174.91	3,435.28	3,345.09	90.19	38.091		
12,300.00	7,630.00	7,785.35	7,620.77	67.68	33.55	-93.01	1,231.19	3,174.91	3,533.76	3,443.41	90.35	39.113		
12,400.00	7,630.00	7,786.28	7,621.69	68.99	33.55	-93.09	1,231.18	3,174.92	3,632.32	3,541.81	90.50	40.135		
12,500.00	7,630.00	7,787.20	7,622.61	70.33	33.55	-93.18	1,231.17	3,174.92	3,730.95	3,640.30	90.65	41.159		
12,600.00	7,630.00	7,788.11	7,623.53	71.68	33.55	-93.27	1,231.16	3,174.93	3,829.66	3,738.87	90.79	42.183		
12,700.00	7,630.00	7,789.03	7,624.44	73.06	33.56	-93.35	1,231.15	3,174.93	3,928.43	3,837.51	90.92	43.208		
12,800.00	7,630.00	7,789.94	7,625.36	74.45	33.56	-93.44	1,231.14	3,174.94	4,027.26	3,936.22	91.04	44.234		
12,900.00	7,630.00	7,790.86	7,626.27	75.87	33.56	-93.52	1,231.13	3,174.94	4,126.15	4,034.98	91.17	45.260		
13,000.00	7,630.00	7,791.77	7,627.18	77.29	33.56	-93.61	1,231.12	3,174.94	4,225.09	4,133.81	91.28	46.287		
13,100.00	7,630.00	7,792.68	7,628.09	78.74	33.57	-93.70	1,231.11	3,174.95	4,324.08	4,232.69	91.39	47.314		
13,200.00	7,630.00	7,793.59	7,629.00	80.19	33.57	-93.78	1,231.10	3,174.95	4,423.11	4,331.62	91.50	48.341		
13,300.00	7,630.00	7,794.50	7,629.91	81.66	33.57	-93.87	1,231.09	3,174.96	4,522.19	4,430.59	91.60	49.369		
13,400.00	7,630.00	7,795.40	7,630.81	83.14	33.57	-93.95	1,231.09	3,174.96	4,621.30	4,529.61	91.70	50.397		
13,500.00	7,630.00	7,796.30	7,631.72	84.63	33.58	-94.04	1,231.08	3,174.97	4,720.46	4,628.66	91.79	51.425		
13,600.00	7,630.00	7,797.21	7,632.62	86.14	33.58	-94.12	1,231.07	3,174.97	4,819.65	4,727.76	91.89	52.452		
13,700.00	7,630.00	7,798.11	7,633.52	87.65	33.58	-94.21	1,231.06	3,174.98	4,918.87	4,826.89	91.98	53.480		
13,800.00	7,630.00	7,799.01	7,634.42	89.17	33.58	-94.29	1,231.05	3,174.98	5,018.12	4,926.06	92.06	54.508		
13,900.00	7,630.00	7,799.90	7,635.32	90.70	33.59	-94.38	1,231.04	3,174.99	5,117.40	5,025.25	92.15	55.536		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	7,800.80	7,636.21	92.24	33.59	-94.46	1,231.03	3,174.99	5,216.71	5,124.48	92.23	56.564		
14,100.00	7,630.00	7,801.69	7,637.11	93.78	33.59	-94.55	1,231.02	3,175.00	5,316.04	5,223.73	92.31	57.591		
14,200.00	7,630.00	7,802.59	7,638.00	95.33	33.59	-94.63	1,231.01	3,175.00	5,415.40	5,323.01	92.38	58.618		
14,300.00	7,630.00	7,803.48	7,638.89	96.89	33.60	-94.71	1,231.01	3,175.01	5,514.78	5,422.32	92.46	59.645		
14,400.00	7,630.00	7,804.37	7,639.78	98.46	33.60	-94.80	1,231.00	3,175.02	5,614.18	5,521.65	92.53	60.672		
14,500.00	7,630.00	7,805.26	7,640.67	100.03	33.60	-94.88	1,230.99	3,175.02	5,713.60	5,621.00	92.61	61.698		
14,600.00	7,630.00	7,806.14	7,641.56	101.61	33.60	-94.96	1,230.98	3,175.03	5,813.05	5,720.37	92.68	62.724		
14,700.00	7,630.00	7,807.03	7,642.44	103.20	33.60	-95.05	1,230.97	3,175.03	5,912.51	5,819.76	92.75	63.750		
14,800.00	7,630.00	7,807.91	7,643.32	104.78	33.61	-95.13	1,230.96	3,175.04	6,011.99	5,919.17	92.81	64.775		
14,900.00	7,630.00	7,808.79	7,644.21	106.38	33.61	-95.21	1,230.95	3,175.04	6,111.48	6,018.60	92.88	65.800		
15,000.00	7,630.00	7,809.67	7,645.09	107.98	33.61	-95.29	1,230.95	3,175.05	6,211.00	6,118.05	92.95	66.824		
15,100.00	7,630.00	7,810.55	7,645.97	109.58	33.61	-95.38	1,230.94	3,175.05	6,310.52	6,217.51	93.01	67.848		
15,200.00	7,630.00	7,811.43	7,646.84	111.19	33.62	-95.46	1,230.93	3,175.06	6,410.07	6,316.99	93.07	68.871		
15,300.00	7,630.00	7,812.31	7,647.72	112.81	33.62	-95.54	1,230.92	3,175.07	6,509.62	6,416.49	93.14	69.894		
15,400.00	7,630.00	7,813.18	7,648.59	114.42	33.62	-95.62	1,230.91	3,175.07	6,609.19	6,515.99	93.20	70.916		
15,500.00	7,630.00	7,814.05	7,649.47	116.05	33.62	-95.71	1,230.90	3,175.08	6,708.77	6,615.51	93.26	71.938		
15,600.00	7,630.00	7,814.93	7,650.34	117.67	33.63	-95.79	1,230.89	3,175.08	6,808.37	6,715.05	93.32	72.959		
15,700.00	7,630.00	7,815.80	7,651.21	119.30	33.63	-95.87	1,230.89	3,175.09	6,907.97	6,814.60	93.38	73.979		
15,800.00	7,630.00	7,816.66	7,652.08	120.93	33.63	-95.95	1,230.88	3,175.10	7,007.59	6,914.15	93.44	74.999		
15,900.00	7,630.00	7,817.53	7,652.94	122.57	33.63	-96.03	1,230.87	3,175.10	7,107.22	7,013.72	93.49	76.017		
16,000.00	7,630.00	7,818.40	7,653.81	124.21	33.64	-96.11	1,230.86	3,175.11	7,206.85	7,113.30	93.55	77.036		
16,100.00	7,630.00	7,819.26	7,654.67	125.85	33.64	-96.19	1,230.85	3,175.11	7,306.50	7,212.89	93.61	78.053		
16,200.00	7,630.00	7,820.12	7,655.54	127.50	33.64	-96.27	1,230.84	3,175.12	7,406.16	7,312.49	93.67	79.070		
16,300.00	7,630.00	7,820.98	7,656.40	129.15	33.64	-96.35	1,230.84	3,175.13	7,505.82	7,412.10	93.72	80.086		
16,400.00	7,630.00	7,821.84	7,657.26	130.80	33.64	-96.43	1,230.83	3,175.13	7,605.50	7,511.72	93.78	81.101		
16,500.00	7,630.00	7,822.70	7,658.11	132.46	33.65	-96.51	1,230.82	3,175.14	7,705.18	7,611.35	93.83	82.116		
16,600.00	7,630.00	7,823.56	7,658.97	134.11	33.65	-96.59	1,230.81	3,175.14	7,804.87	7,710.98	93.89	83.129		
16,700.00	7,630.00	7,824.41	7,659.83	135.77	33.65	-96.67	1,230.80	3,175.15	7,904.57	7,810.63	93.94	84.142		
16,800.00	7,630.00	7,825.27	7,660.68	137.43	33.65	-96.75	1,230.80	3,175.16	8,004.28	7,910.28	94.00	85.154		
16,900.00	7,630.00	7,826.12	7,661.53	139.10	33.66	-96.83	1,230.79	3,175.16	8,103.99	8,009.94	94.05	86.165		
17,000.00	7,630.00	7,826.97	7,662.38	140.77	33.66	-96.91	1,230.78	3,175.17	8,203.71	8,109.61	94.11	87.176		
17,100.00	7,630.00	7,827.82	7,663.23	142.44	33.66	-96.99	1,230.77	3,175.18	8,303.44	8,209.28	94.16	88.185		
17,200.00	7,630.00	7,828.67	7,664.08	144.11	33.65	-96.73	1,230.80	3,175.16	8,403.17	8,308.96	94.21	89.194		
17,300.00	7,630.00	7,829.52	7,664.93	145.78	33.65	-96.73	1,230.80	3,175.16	8,502.91	8,408.65	94.27	90.202		
17,400.00	7,630.00	7,830.37	7,665.78	147.45	33.65	-96.73	1,230.80	3,175.16	8,602.66	8,508.34	94.32	91.209		
17,500.00	7,630.00	7,831.22	7,666.63	149.12	33.65	-96.73	1,230.80	3,175.16	8,702.41	8,608.04	94.37	92.215		
17,600.00	7,630.00	7,832.07	7,667.48	150.79	33.65	-96.73	1,230.80	3,175.16	8,802.17	8,707.74	94.42	93.220		
17,700.00	7,630.00	7,832.92	7,668.33	152.46	33.65	-96.73	1,230.80	3,175.16	8,901.93	8,807.45	94.48	94.224		
17,800.00	7,630.00	7,833.77	7,669.18	154.13	33.65	-96.73	1,230.80	3,175.16	9,001.70	8,907.17	94.53	95.227		
17,900.00	7,630.00	7,834.62	7,670.03	155.80	33.65	-96.73	1,230.80	3,175.16	9,101.47	9,006.89	94.58	96.229		
18,000.00	7,630.00	7,835.47	7,670.88	157.47	33.65	-96.73	1,230.80	3,175.16	9,201.25	9,106.61	94.63	97.230		
18,100.00	7,630.00	7,836.32	7,671.73	159.14	33.65	-96.73	1,230.80	3,175.16	9,301.03	9,206.34	94.69	98.231		
18,200.00	7,630.00	7,837.17	7,672.58	160.81	33.65	-96.73	1,230.80	3,175.16	9,400.82	9,306.08	94.74	99.230		
18,300.00	7,630.00	7,838.02	7,673.43	162.48	33.65	-96.73	1,230.80	3,175.16	9,500.61	9,405.82	94.79	100.228		
18,400.00	7,630.00	7,838.87	7,674.28	164.15	33.65	-96.73	1,230.80	3,175.16	9,600.41	9,505.56	94.84	101.225		
18,458.39	7,630.00	7,839.72	7,675.13	165.82	33.65	-96.73	1,230.80	3,175.16	9,658.68	9,563.81	94.87	101.807		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	70.58	753.80	2,138.60	2,267.94					
100.00	100.00	79.29	79.29	0.13	0.13	70.59	753.49	2,138.31	2,267.28	2,267.02	0.26	8,730.017		
200.00	200.00	166.35	166.34	0.49	0.41	70.59	753.05	2,137.76	2,266.54	2,265.63	0.90	2,515.132		
300.00	300.00	275.13	275.12	0.85	0.79	70.58	753.35	2,137.14	2,266.10	2,264.45	1.65	1,377.484		
400.00	400.00	381.22	381.21	1.21	1.17	70.58	753.28	2,136.23	2,265.27	2,262.89	2.38	951.194		
500.00	500.00	538.64	538.55	1.57	1.73	70.65	749.35	2,134.19	2,263.35	2,260.06	3.30	686.186		
600.00	600.00	662.35	661.93	1.93	2.18	70.83	740.91	2,131.45	2,258.94	2,254.84	4.10	550.613		
700.00	700.00	741.53	740.68	2.29	2.48	71.02	732.71	2,130.83	2,254.81	2,250.05	4.75	474.512		
800.00	800.00	819.75	818.24	2.64	2.78	71.27	722.57	2,131.69	2,251.63	2,246.22	5.41	416.363		
900.00	900.00	875.62	873.44	3.00	3.00	71.49	714.22	2,133.48	2,249.91	2,243.92	5.99	375.716		
932.91	932.91	893.32	890.91	3.12	3.08	71.56	711.46	2,134.34	2,249.80	2,243.62	6.18	364.239		
1,000.00	1,000.00	920.00	917.20	3.36	3.18	71.68	707.22	2,135.89	2,250.30	2,243.78	6.52	345.016		
1,100.00	1,100.00	988.90	984.89	3.72	3.47	72.00	695.53	2,141.25	2,252.57	2,245.40	7.17	314.186		
1,200.00	1,199.98	1,041.59	1,036.40	4.07	3.70	71.20	685.90	2,146.64	2,255.21	2,247.46	7.74	291.258		
1,300.00	1,299.84	1,109.00	1,102.01	4.43	3.99	71.60	673.18	2,155.49	2,257.06	2,248.67	8.39	268.923		
1,400.00	1,399.45	1,145.18	1,137.10	4.79	4.16	71.83	666.30	2,161.01	2,257.61	2,248.71	8.90	253.773		
1,500.00	1,498.70	1,210.19	1,200.07	5.15	4.46	72.29	654.19	2,171.70	2,256.94	2,247.40	9.54	236.535		
1,600.00	1,597.47	1,279.00	1,266.78	5.53	4.79	72.78	642.21	2,183.55	2,254.45	2,244.25	10.21	220.819		
1,700.00	1,695.62	1,347.31	1,332.94	5.93	5.12	73.31	630.66	2,196.06	2,250.26	2,239.38	10.88	206.777		
1,800.00	1,793.06	1,415.66	1,398.85	6.35	5.47	73.89	618.75	2,209.65	2,244.55	2,232.98	11.56	194.106		
1,900.00	1,889.64	1,495.70	1,475.65	6.79	5.89	74.65	603.89	2,226.59	2,237.06	2,224.73	12.33	181.451		
2,000.00	1,985.27	1,593.28	1,569.13	7.27	6.42	75.63	585.08	2,247.33	2,226.91	2,213.69	13.21	168.523		
2,100.00	2,079.82	1,683.62	1,655.67	7.79	6.93	76.62	567.74	2,266.63	2,214.34	2,200.27	14.07	157.331		
2,200.00	2,173.17	1,777.38	1,745.57	8.36	7.47	77.72	549.89	2,286.36	2,199.06	2,184.09	14.97	146.894		
2,300.00	2,265.21	1,852.27	1,817.34	8.97	7.90	78.68	535.84	2,302.49	2,181.90	2,166.12	15.77	138.330		
2,400.00	2,355.84	1,967.64	1,928.10	9.64	8.56	80.18	514.41	2,326.66	2,161.91	2,145.08	16.84	128.412		
2,500.00	2,444.94	2,043.21	2,000.66	10.36	9.00	81.32	500.37	2,342.40	2,139.76	2,122.07	17.69	120.957		
2,591.69	2,525.19	2,106.13	2,060.97	11.07	9.37	82.36	488.61	2,355.94	2,118.22	2,099.75	18.46	114.720		
2,600.00	2,532.40	2,111.79	2,066.39	11.14	9.41	82.43	487.55	2,357.18	2,116.23	2,097.69	18.54	114.164		
2,700.00	2,619.15	2,225.51	2,175.18	11.96	10.09	83.96	465.30	2,381.69	2,092.48	2,072.79	19.69	106.275		
2,800.00	2,705.89	2,316.22	2,261.97	12.81	10.64	85.23	446.70	2,400.38	2,068.89	2,048.15	20.74	99.773		
2,900.00	2,792.64	2,383.80	2,326.69	13.67	11.05	86.18	433.23	2,414.46	2,046.62	2,024.96	21.66	94.490		
3,000.00	2,879.39	2,467.46	2,406.82	14.55	11.55	87.35	417.24	2,432.42	2,026.01	2,003.30	22.70	89.237		
3,100.00	2,966.14	2,556.37	2,491.94	15.44	12.10	88.63	399.82	2,451.24	2,006.30	1,982.49	23.81	84.273		
3,200.00	3,052.88	2,640.52	2,572.38	16.34	12.61	89.88	382.62	2,469.03	1,987.79	1,962.89	24.91	79.808		
3,300.00	3,139.63	2,725.17	2,653.38	17.25	13.13	91.13	365.82	2,486.95	1,970.54	1,944.51	26.03	75.702		
3,400.00	3,226.38	2,809.93	2,734.58	18.17	13.65	92.39	349.57	2,505.01	1,954.60	1,927.43	27.17	71.943		
3,500.00	3,313.12	2,907.27	2,827.88	19.09	14.24	93.86	330.86	2,525.55	1,939.77	1,911.36	28.41	68.280		
3,600.00	3,399.87	3,008.40	2,925.04	20.02	14.85	95.41	311.24	2,545.63	1,925.12	1,895.42	29.69	64.830		
3,700.00	3,486.62	3,076.00	2,989.94	20.96	15.26	96.45	298.49	2,559.54	1,912.37	1,881.59	30.77	62.141		
3,800.00	3,573.37	3,157.62	3,068.19	21.90	15.75	97.71	282.90	2,576.75	1,901.46	1,869.50	31.96	59.487		
3,900.00	3,660.11	3,250.36	3,157.12	22.84	16.32	99.17	264.98	2,595.98	1,891.71	1,858.46	33.25	56.899		
4,000.00	3,746.86	3,338.51	3,241.81	23.78	16.85	100.54	248.63	2,614.17	1,883.07	1,848.56	34.51	54.570		
4,100.00	3,833.61	3,421.16	3,321.21	24.73	17.35	101.85	233.24	2,631.21	1,875.84	1,840.09	35.74	52.482		
4,200.00	3,920.35	3,500.20	3,397.07	25.68	17.83	103.10	218.30	2,647.63	1,870.22	1,833.26	36.97	50.591		
4,300.00	4,007.10	3,578.67	3,472.19	26.63	18.31	104.38	202.52	2,663.92	1,866.40	1,828.20	38.20	48.857		
4,400.00	4,093.85	3,666.65	3,556.42	27.59	18.86	105.79	185.22	2,682.52	1,864.25	1,824.73	39.51	47.179		
4,500.00	4,180.60	3,758.09	3,644.22	28.55	19.42	107.25	168.34	2,701.72	1,863.02	1,822.16	40.86	45.599		
4,519.18	4,197.24	3,770.99	3,656.60	28.73	19.49	107.45	165.94	2,704.44	1,862.98	1,821.90	41.08	45.351		
4,600.00	4,267.34	3,826.00	3,709.28	29.50	19.83	108.33	155.36	2,716.19	1,863.73	1,821.71	42.02	44.350		
4,700.00	4,354.09	3,935.13	3,813.84	30.46	20.51	109.10	133.96	2,739.00	1,865.77	1,822.24	43.53	42.862		
4,800.00	4,440.84	3,996.60	3,872.71	31.42	20.89	110.08	122.05	2,752.05	1,869.39	1,824.74	44.65	41.863		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
4,900.00	4,527.58	4,088.11	3,960.27	32.39	21.46	62.54	104.33	2,771.87	1,874.86	1,828.83	46.03	40.733		
5,000.00	4,614.33	4,200.38	4,068.02	33.35	22.14	64.30	83.44	2,795.47	1,880.92	1,833.35	47.57	39.537		
5,100.00	4,701.08	4,274.40	4,139.21	34.31	22.59	65.44	70.51	2,811.12	1,887.92	1,839.12	48.80	38.684		
5,200.00	4,787.82	4,357.00	4,218.48	35.28	23.09	66.72	55.17	2,828.50	1,896.73	1,846.62	50.11	37.850		
5,300.00	4,874.57	4,427.11	4,285.71	36.25	23.52	67.83	41.48	2,842.96	1,907.11	1,855.80	51.31	37.166		
5,400.00	4,961.32	4,487.62	4,343.52	37.21	23.90	68.76	29.55	2,856.26	1,919.91	1,867.49	52.42	36.626		
5,500.00	5,048.07	4,564.67	4,416.93	38.18	24.40	69.95	13.62	2,873.37	1,934.75	1,881.07	53.68	36.044		
5,600.00	5,134.81	4,631.63	4,480.59	39.15	24.84	71.00	-1.09	2,888.06	1,951.46	1,896.62	54.83	35.588		
5,700.00	5,221.56	5,700.00	4,586.43	40.12	31.70	72.70	-24.92	2,912.58	1,969.25	1,908.85	60.40	32.606		
5,800.00	5,308.31	4,905.78	4,742.87	41.09	26.55	75.12	-56.24	2,945.46	1,985.50	1,927.01	58.49	33.948		
5,900.00	5,395.05	5,104.25	4,935.69	42.06	27.63	78.02	-89.34	2,978.64	1,999.52	1,938.79	60.74	32.921		
6,000.00	5,481.80	5,500.42	5,328.00	43.03	29.23	83.55	-123.06	3,018.36	2,005.12	1,941.51	63.61	31.523		
6,100.00	5,568.55	5,666.82	5,494.30	44.00	29.69	85.89	-126.47	3,022.66	2,003.45	1,938.36	65.09	30.777		
6,200.00	5,655.30	5,780.16	5,607.63	44.97	29.97	87.49	-126.76	3,023.79	2,001.14	1,934.69	66.44	30.118		
6,300.00	5,742.04	5,870.39	5,697.86	45.94	30.19	88.77	-126.70	3,023.99	1,999.40	1,931.64	67.76	29.509		
6,394.01	5,823.59	5,953.33	5,780.81	46.86	30.38	89.95	-126.83	3,023.98	1,998.91	1,929.93	68.98	28.978		
6,400.00	5,828.79	5,958.82	5,786.29	46.92	30.39	90.03	-126.82	3,023.99	1,998.92	1,929.86	69.06	28.945		
6,500.00	5,915.54	6,054.86	5,882.33	47.89	30.61	91.39	-126.43	3,024.24	1,999.43	1,929.07	70.35	28.420		
6,600.00	6,002.28	6,144.45	5,971.93	48.86	30.81	92.67	-126.09	3,023.80	2,000.79	1,929.17	71.63	27.933		
6,700.00	6,089.03	6,227.57	6,055.04	49.83	30.99	93.86	-125.93	3,023.30	2,003.49	1,930.60	72.88	27.489		
6,800.00	6,175.78	6,310.61	6,138.08	50.81	31.18	95.04	-125.69	3,023.21	2,007.58	1,933.46	74.12	27.084		
6,900.00	6,262.53	6,399.93	6,227.40	51.78	31.38	96.30	-125.60	3,023.07	2,013.02	1,937.66	75.36	26.713		
7,000.00	6,349.27	6,500.59	6,328.06	52.76	31.60	97.73	-125.19	3,022.16	2,019.09	1,942.50	76.58	26.364		
7,100.00	6,436.02	6,582.50	6,409.95	53.73	31.79	98.85	-124.04	3,022.58	2,026.24	1,948.47	77.78	26.052		
7,200.00	6,522.77	6,654.53	6,481.97	54.71	31.97	99.82	-123.13	3,023.63	2,035.03	1,956.09	78.94	25.780		
7,300.00	6,609.51	6,742.32	6,569.75	55.68	32.20	101.00	-122.46	3,024.82	2,045.25	1,965.15	80.11	25.531		
7,400.00	6,696.26	6,823.23	6,650.64	56.66	32.41	102.07	-121.81	3,026.20	2,056.67	1,975.43	81.25	25.314		
7,500.00	6,783.01	6,915.67	6,743.05	57.63	32.66	103.27	-120.87	3,028.52	2,069.26	1,986.87	82.39	25.115		
7,600.00	6,869.76	6,999.03	6,826.40	58.61	32.87	104.38	-120.68	3,028.75	2,082.75	1,999.27	83.48	24.950		
7,683.49	6,942.18	7,074.04	6,901.41	59.42	33.05	105.39	-120.92	3,028.39	2,095.01	2,010.64	84.37	24.831		
7,700.00	6,956.57	7,091.07	6,918.44	59.58	33.09	103.26	-120.95	3,028.27	2,097.26	2,012.72	84.55	24.806		
7,750.00	7,000.85	7,143.52	6,970.89	60.04	33.22	95.69	-120.90	3,027.84	2,101.44	2,016.36	85.07	24.701		
7,800.00	7,045.94	7,193.45	7,020.82	60.46	33.33	86.47	-120.72	3,027.37	2,101.59	2,016.02	85.57	24.559		
7,850.00	7,091.49	7,247.95	7,075.31	60.84	33.46	76.08	-120.35	3,026.80	2,097.68	2,011.62	86.06	24.375		
7,900.00	7,137.15	7,306.27	7,133.62	61.17	33.60	65.28	-119.66	3,026.07	2,089.57	2,003.06	86.52	24.152		
7,950.00	7,182.58	7,341.88	7,169.23	61.44	33.68	54.69	-119.16	3,025.63	2,077.48	1,990.57	86.91	23.904		
8,000.00	7,227.43	7,373.26	7,200.61	61.67	33.76	45.16	-118.90	3,025.36	2,061.81	1,974.56	87.25	23.630		
8,050.00	7,271.36	7,410.00	7,237.35	61.84	33.85	37.03	-118.81	3,025.22	2,042.64	1,955.07	87.58	23.324		
8,100.00	7,314.04	7,450.27	7,277.62	61.96	33.94	30.20	-118.80	3,025.06	2,019.91	1,932.03	87.88	22.985		
8,150.00	7,355.14	7,498.02	7,325.36	62.04	34.06	24.49	-118.70	3,024.65	1,993.51	1,905.35	88.16	22.611		
8,200.00	7,394.34	7,535.69	7,363.03	62.07	34.15	19.44	-118.58	3,024.27	1,963.69	1,875.29	88.40	22.214		
8,250.00	7,431.36	7,570.26	7,397.60	62.06	34.24	14.87	-118.47	3,024.04	1,930.75	1,842.15	88.59	21.793		
8,300.00	7,465.90	7,603.26	7,430.60	62.01	34.32	10.51	-118.37	3,023.94	1,894.92	1,806.15	88.76	21.348		
8,350.00	7,497.71	7,637.26	7,464.60	61.93	34.41	6.10	-118.24	3,023.88	1,856.39	1,767.48	88.90	20.881		
8,400.00	7,526.53	7,667.95	7,495.29	61.81	34.48	1.27	-118.08	3,023.85	1,815.43	1,726.42	89.01	20.395		
8,450.00	7,552.17	7,695.10	7,522.44	61.66	34.55	-4.41	-117.90	3,023.83	1,772.36	1,683.27	89.09	19.894		
8,500.00	7,574.41	7,712.71	7,540.05	61.48	34.60	-11.50	-117.80	3,023.83	1,727.56	1,638.43	89.12	19.385		
8,550.00	7,593.09	7,728.01	7,555.35	61.29	34.64	-20.81	-117.75	3,023.84	1,681.38	1,592.26	89.12	18.866		
8,600.00	7,608.07	7,740.37	7,567.71	61.07	34.67	-33.32	-117.72	3,023.85	1,634.19	1,545.10	89.09	18.343		
8,650.00	7,619.23	7,749.66	7,577.00	60.84	34.70	-49.50	-117.71	3,023.87	1,586.35	1,497.32	89.03	17.818		
8,700.00	7,626.48	7,755.74	7,583.08	60.60	34.71	-67.87	-117.71	3,023.88	1,538.26	1,449.32	88.94	17.295		
8,750.00	7,629.78	7,758.54	7,585.88	60.35	34.72	-84.93	-117.71	3,023.89	1,490.32	1,401.50	88.82	16.780		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
8,766.45	7,630.00	7,758.74	7,586.07	60.27	34.72	-89.76	-117.71	3,023.89	1,474.65	1,385.88	88.77	16.612		
8,800.00	7,630.00	7,758.75	7,586.09	60.10	34.72	-89.76	-117.71	3,023.89	1,442.80	1,354.13	88.67	16.272		
8,900.00	7,630.00	7,758.80	7,586.14	59.61	34.72	-89.77	-117.71	3,023.89	1,348.36	1,260.04	88.32	15.266		
9,000.00	7,630.00	7,758.85	7,586.19	59.15	34.72	-89.77	-117.71	3,023.89	1,254.78	1,166.87	87.91	14.273		
9,100.00	7,630.00	7,758.90	7,586.24	58.71	34.72	-89.78	-117.71	3,023.89	1,162.27	1,074.85	87.42	13.295		
9,200.00	7,630.00	7,758.95	7,586.29	58.30	34.72	-89.79	-117.71	3,023.89	1,071.11	984.29	86.82	12.337		
9,300.00	7,630.00	7,759.01	7,586.35	57.91	34.72	-89.79	-117.71	3,023.89	981.68	895.60	86.08	11.404		
9,400.00	7,630.00	7,759.06	7,586.40	57.54	34.72	-89.80	-117.71	3,023.89	894.48	809.32	85.16	10.503		
9,500.00	7,630.00	7,759.12	7,586.46	57.19	34.72	-89.81	-117.71	3,023.89	810.25	726.24	84.01	9.645		
9,600.00	7,630.00	7,759.18	7,586.51	56.87	34.72	-89.81	-117.71	3,023.89	730.00	647.45	82.55	8.843		
9,700.00	7,630.00	7,759.23	7,586.57	56.57	34.72	-89.82	-117.71	3,023.89	655.22	574.49	80.73	8.116		
9,800.00	7,630.00	7,759.29	7,586.63	56.30	34.72	-89.83	-117.71	3,023.89	587.98	509.47	78.50	7.490		
9,900.00	7,630.00	7,759.35	7,586.69	56.05	34.72	-89.84	-117.71	3,023.89	531.15	455.18	75.97	6.991		
10,000.00	7,630.00	7,759.41	7,586.75	55.82	34.72	-89.84	-117.71	3,023.89	488.39	414.88	73.52	6.643		
10,100.00	7,630.00	7,759.48	7,586.82	55.63	34.72	-89.85	-117.71	3,023.89	463.61	391.65	71.96	6.442		
10,167.97	7,630.00	7,759.52	7,586.86	55.50	34.72	-89.86	-117.71	3,023.89	458.60	386.66	71.94	6.374 CC, ES		
10,200.00	7,630.00	7,759.54	7,586.88	55.46	34.72	-89.86	-117.71	3,023.89	459.72	387.44	72.28	6.360 SF		
10,300.00	7,630.00	7,759.61	7,586.95	55.32	34.72	-89.87	-117.71	3,023.89	477.23	402.60	74.63	6.395		
10,400.00	7,630.00	7,759.68	7,587.02	55.22	34.72	-89.88	-117.71	3,023.89	513.96	435.93	78.02	6.587		
10,500.00	7,630.00	7,759.75	7,587.09	55.15	34.72	-89.89	-117.71	3,023.89	566.18	484.84	81.33	6.961		
10,600.00	7,630.00	7,759.82	7,587.16	55.14	34.72	-89.89	-117.71	3,023.89	630.05	546.01	84.04	7.497		
10,700.00	7,630.00	7,759.89	7,587.23	55.18	34.72	-89.90	-117.71	3,023.89	702.40	616.32	86.08	8.160		
10,800.00	7,630.00	7,759.96	7,587.30	55.28	34.72	-89.91	-117.71	3,023.89	780.88	693.30	87.58	8.916		
10,900.00	7,630.00	7,760.04	7,587.38	55.47	34.73	-89.92	-117.71	3,023.89	863.82	775.15	88.67	9.742		
11,000.00	7,630.00	7,760.12	7,587.46	55.74	34.73	-89.93	-117.71	3,023.89	950.04	860.58	89.46	10.619		
11,100.00	7,630.00	7,760.20	7,587.54	56.11	34.73	-89.94	-117.71	3,023.89	1,038.74	948.69	90.05	11.535		
11,200.00	7,630.00	7,760.28	7,587.62	56.60	34.73	-89.95	-117.71	3,023.89	1,129.33	1,038.84	90.50	12.479		
11,300.00	7,630.00	7,760.36	7,587.70	57.20	34.73	-89.96	-117.71	3,023.89	1,221.39	1,130.56	90.83	13.446		
11,400.00	7,630.00	7,760.45	7,587.79	57.91	34.73	-89.97	-117.71	3,023.89	1,314.61	1,223.52	91.09	14.431		
11,500.00	7,630.00	7,760.54	7,587.88	58.72	34.73	-89.98	-117.71	3,023.89	1,408.76	1,317.46	91.30	15.430		
11,600.00	7,630.00	7,760.63	7,587.97	59.63	34.73	-90.00	-117.71	3,023.89	1,503.67	1,412.21	91.46	16.441		
11,700.00	7,630.00	7,760.72	7,588.06	60.61	34.73	-90.01	-117.71	3,023.89	1,599.19	1,507.61	91.59	17.461		
11,800.00	7,630.00	7,760.82	7,588.16	61.67	34.73	-90.02	-117.71	3,023.90	1,695.24	1,603.54	91.69	18.488		
11,900.00	7,630.00	7,760.92	7,588.26	62.78	34.73	-90.03	-117.71	3,023.90	1,791.71	1,699.93	91.78	19.522		
12,000.00	7,630.00	7,761.02	7,588.36	63.95	34.73	-90.04	-117.71	3,023.90	1,888.55	1,796.70	91.85	20.561		
12,100.00	7,630.00	7,761.12	7,588.46	65.16	34.73	-90.06	-117.71	3,023.90	1,985.71	1,893.80	91.91	21.605		
12,200.00	7,630.00	7,761.23	7,588.57	66.41	34.73	-90.07	-117.71	3,023.90	2,083.13	1,991.17	91.96	22.652		
12,300.00	7,630.00	7,761.34	7,588.68	67.68	34.73	-90.09	-117.71	3,023.90	2,180.79	2,088.79	92.01	23.703		
12,400.00	7,630.00	7,761.46	7,588.80	68.99	34.73	-90.10	-117.71	3,023.90	2,278.65	2,186.61	92.04	24.756		
12,500.00	7,630.00	7,761.57	7,588.91	70.33	34.73	-90.11	-117.71	3,023.90	2,376.69	2,284.62	92.08	25.812		
12,600.00	7,630.00	7,761.69	7,589.03	71.68	34.73	-90.13	-117.71	3,023.90	2,474.89	2,382.78	92.11	26.870		
12,700.00	7,630.00	7,761.82	7,589.16	73.06	34.73	-90.14	-117.71	3,023.90	2,573.22	2,481.09	92.13	27.930		
12,800.00	7,630.00	7,761.95	7,589.29	74.45	34.73	-90.16	-117.71	3,023.90	2,671.68	2,579.53	92.16	28.991		
12,900.00	7,630.00	7,762.08	7,589.42	75.87	34.73	-90.18	-117.71	3,023.90	2,770.25	2,678.07	92.18	30.053		
13,000.00	7,630.00	7,762.22	7,589.56	77.29	34.73	-90.19	-117.71	3,023.90	2,868.92	2,776.72	92.20	31.117		
13,100.00	7,630.00	7,762.36	7,589.70	78.74	34.73	-90.21	-117.71	3,023.90	2,967.68	2,875.46	92.22	32.181		
13,200.00	7,630.00	7,762.51	7,589.85	80.19	34.73	-90.23	-117.71	3,023.90	3,066.51	2,974.28	92.24	33.246		
13,300.00	7,630.00	7,762.66	7,590.00	81.66	34.73	-90.25	-117.71	3,023.90	3,165.42	3,073.17	92.25	34.312		
13,400.00	7,630.00	7,762.82	7,590.15	83.14	34.73	-90.27	-117.71	3,023.90	3,264.40	3,172.13	92.27	35.378		
13,500.00	7,630.00	7,762.98	7,590.32	84.63	34.73	-90.29	-117.71	3,023.90	3,363.44	3,271.15	92.29	36.445		
13,600.00	7,630.00	7,763.15	7,590.49	86.14	34.73	-90.31	-117.71	3,023.90	3,462.53	3,370.23	92.31	37.512		
13,700.00	7,630.00	7,763.32	7,590.66	87.65	34.73	-90.33	-117.71	3,023.90	3,561.67	3,469.35	92.32	38.579		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
13,800.00	7,630.00	7,763.50	7,590.84	89.17	34.73	-90.36	-117.71	3,023.90	3,660.86	3,568.53	92.34	39.646		
13,900.00	7,630.00	7,763.69	7,591.03	90.70	34.73	-90.38	-117.71	3,023.90	3,760.10	3,667.74	92.35	40.714		
14,000.00	7,630.00	7,763.89	7,591.23	92.24	34.74	-90.40	-117.71	3,023.90	3,859.37	3,767.00	92.37	41.781		
14,100.00	7,630.00	7,764.09	7,591.43	93.78	34.74	-90.43	-117.71	3,023.90	3,958.68	3,866.29	92.39	42.849		
14,200.00	7,630.00	7,764.30	7,591.64	95.33	34.74	-90.46	-117.71	3,023.90	4,058.02	3,965.62	92.40	43.916		
14,300.00	7,630.00	7,764.52	7,591.86	96.89	34.74	-90.48	-117.71	3,023.90	4,157.40	4,064.98	92.42	44.983		
14,400.00	7,630.00	7,764.75	7,592.09	98.46	34.74	-90.51	-117.71	3,023.91	4,256.80	4,164.36	92.44	46.050		
14,500.00	7,630.00	7,765.00	7,592.33	100.03	34.74	-90.54	-117.71	3,023.91	4,356.23	4,263.78	92.46	47.117		
14,600.00	7,630.00	7,765.25	7,592.59	101.61	34.74	-90.57	-117.72	3,023.91	4,455.69	4,363.22	92.47	48.184		
14,700.00	7,630.00	7,765.51	7,592.85	103.20	34.74	-90.61	-117.72	3,023.91	4,555.17	4,462.68	92.49	49.250		
14,800.00	7,630.00	7,765.78	7,593.12	104.78	34.74	-90.64	-117.72	3,023.91	4,654.67	4,562.16	92.51	50.316		
14,900.00	7,630.00	7,766.07	7,593.41	106.38	34.74	-90.68	-117.72	3,023.91	4,754.20	4,661.67	92.53	51.381		
15,000.00	7,630.00	7,766.37	7,593.71	107.98	34.74	-90.71	-117.72	3,023.91	4,853.74	4,761.19	92.55	52.446		
15,100.00	7,630.00	7,766.69	7,594.03	109.58	34.74	-90.75	-117.72	3,023.91	4,953.30	4,860.73	92.57	53.511		
15,200.00	7,630.00	7,767.03	7,594.36	111.19	34.74	-90.80	-117.72	3,023.91	5,052.88	4,960.29	92.59	54.575		
15,300.00	7,630.00	7,767.38	7,594.72	112.81	34.74	-90.84	-117.72	3,023.91	5,152.47	5,059.87	92.61	55.639		
15,400.00	7,630.00	7,767.75	7,595.09	114.42	34.75	-90.89	-117.72	3,023.91	5,252.09	5,159.46	92.63	56.702		
15,500.00	7,630.00	7,768.14	7,595.48	116.05	34.75	-90.93	-117.72	3,023.91	5,351.71	5,259.06	92.65	57.764		
15,600.00	7,630.00	7,768.55	7,595.89	117.67	34.75	-90.99	-117.72	3,023.92	5,451.35	5,358.68	92.67	58.826		
15,700.00	7,630.00	7,768.99	7,596.33	119.30	34.75	-91.04	-117.72	3,023.92	5,551.00	5,458.31	92.69	59.887		
15,800.00	7,630.00	7,769.45	7,596.79	120.93	34.75	-91.10	-117.72	3,023.92	5,650.67	5,557.95	92.71	60.947		
15,900.00	7,630.00	7,769.95	7,597.29	122.57	34.75	-91.16	-117.72	3,023.92	5,750.34	5,657.60	92.74	62.007		
16,000.00	7,630.00	7,770.47	7,597.81	124.21	34.75	-91.23	-117.72	3,023.92	5,850.03	5,757.27	92.76	63.066		
16,100.00	7,630.00	7,771.03	7,598.37	125.85	34.75	-91.30	-117.72	3,023.92	5,949.72	5,856.94	92.78	64.125		
16,200.00	7,630.00	7,771.63	7,598.97	127.50	34.76	-91.37	-117.73	3,023.93	6,049.43	5,956.62	92.81	65.183		
16,300.00	7,630.00	7,772.28	7,599.62	129.15	34.76	-91.45	-117.73	3,023.93	6,149.15	6,056.32	92.83	66.239		
16,400.00	7,630.00	7,772.97	7,600.31	130.80	34.76	-91.54	-117.73	3,023.93	6,248.87	6,156.02	92.86	67.296		
16,500.00	7,630.00	7,773.71	7,601.05	132.46	34.76	-91.63	-117.73	3,023.93	6,348.61	6,255.73	92.88	68.351		
16,600.00	7,630.00	7,774.52	7,601.86	134.11	34.76	-91.73	-117.73	3,023.93	6,448.35	6,355.44	92.91	69.405		
16,700.00	7,630.00	7,775.39	7,602.73	135.77	34.77	-91.84	-117.73	3,023.94	6,548.10	6,455.17	92.94	70.459		
16,800.00	7,630.00	7,776.34	7,603.68	137.43	34.77	-91.96	-117.74	3,023.94	6,647.86	6,554.90	92.96	71.512		
16,900.00	7,630.00	7,777.37	7,604.71	139.10	34.77	-92.09	-117.74	3,023.94	6,747.62	6,654.63	92.99	72.563		
17,000.00	7,630.00	7,778.51	7,605.85	140.77	34.77	-92.23	-117.74	3,023.95	6,847.40	6,754.38	93.02	73.614		
17,100.00	7,630.00	7,779.76	7,607.10	142.44	34.78	-92.38	-117.75	3,023.95	6,947.17	6,854.13	93.05	74.664		
17,200.00	7,630.00	7,781.14	7,608.48	144.11	34.78	-92.56	-117.75	3,023.96	7,046.96	6,953.88	93.07	75.713		
17,300.00	7,630.00	7,782.67	7,610.01	145.78	34.79	-92.75	-117.76	3,023.96	7,146.75	7,053.65	93.10	76.761		
17,400.00	7,630.00	7,784.39	7,611.73	147.46	34.79	-92.96	-117.76	3,023.97	7,246.55	7,153.41	93.13	77.807		
17,500.00	7,630.00	7,786.33	7,613.67	149.13	34.80	-93.20	-117.77	3,023.97	7,346.35	7,253.18	93.16	78.853		
17,600.00	7,630.00	7,788.52	7,615.86	150.81	34.80	-93.48	-117.78	3,023.98	7,446.15	7,352.96	93.20	79.898		
17,700.00	7,630.00	7,791.04	7,618.38	152.49	34.81	-93.79	-117.79	3,023.99	7,545.97	7,452.74	93.23	80.941		
17,800.00	7,630.00	7,793.94	7,621.28	154.18	34.82	-94.15	-117.80	3,024.00	7,645.78	7,552.52	93.26	81.983		
17,900.00	7,630.00	7,797.34	7,624.68	155.86	34.82	-94.57	-117.82	3,024.02	7,745.60	7,652.31	93.29	83.024		
18,000.00	7,630.00	7,801.36	7,628.70	157.55	34.84	-95.07	-117.84	3,024.04	7,845.43	7,752.10	93.33	84.063		
18,100.00	7,630.00	18,100.00	7,574.36	159.24	63.53	-88.30	-117.83	3,023.91	7,945.17	7,821.71	123.46	64.354		
18,200.00	7,630.00	18,200.00	7,574.20	160.92	63.81	-88.28	-117.83	3,023.91	8,045.00	7,921.21	123.79	64.991		
18,300.00	7,630.00	18,300.00	7,574.03	162.62	64.10	-88.26	-117.83	3,023.91	8,144.84	8,020.73	124.11	65.624		
18,400.00	7,630.00	18,400.00	7,573.87	164.31	64.38	-88.24	-117.83	3,023.91	8,244.68	8,120.24	124.44	66.253		
18,458.39	7,630.00	18,458.39	7,573.77	165.30	64.55	-88.22	-117.83	3,023.91	8,302.99	8,178.35	124.63	66.619		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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)	Centre +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	82.14	747.02	5,414.53	5,466.43							
100.00	100.00	1,152.00	1,134.43	0.13	4.79	81.04	831.93	5,274.66	5,455.32	5,450.53	4.79	1,138.769				
200.00	200.00	1,209.55	1,190.10	0.49	5.10	80.94	838.88	5,261.84	5,435.08	5,429.85	5.23	1,039.617				
300.00	300.00	1,260.84	1,239.89	0.85	5.38	80.86	844.76	5,251.03	5,415.83	5,410.09	5.74	943.137				
400.00	400.00	1,340.01	1,316.85	1.21	5.80	80.74	853.74	5,234.75	5,397.14	5,390.73	6.42	840.799				
500.00	500.00	1,460.51	1,433.79	1.57	6.45	80.54	868.50	5,209.72	5,378.41	5,371.10	7.31	736.119				
600.00	600.00	1,649.92	1,616.74	1.93	7.52	80.18	894.51	5,168.14	5,358.83	5,350.29	8.54	627.438				
700.00	700.00	1,724.86	1,689.04	2.29	7.95	80.04	904.61	5,151.21	5,338.58	5,329.34	9.24	577.541				
800.00	800.00	1,821.54	1,782.33	2.64	8.51	79.86	917.60	5,129.47	5,318.48	5,308.43	10.05	529.117				
900.00	900.00	1,887.94	1,846.57	3.00	8.88	79.74	925.94	5,114.85	5,298.77	5,288.05	10.72	494.443				
1,000.00	1,000.00	1,943.41	1,900.39	3.36	9.18	79.65	932.36	5,103.07	5,279.74	5,268.42	11.33	466.116				
1,100.00	1,100.00	2,000.37	1,955.83	3.72	9.49	79.56	938.54	5,091.52	5,261.56	5,249.62	11.94	440.523				
1,200.00	1,199.98	2,146.24	2,097.69	4.07	10.27	28.45	954.90	5,061.81	5,241.92	5,228.97	12.95	404.671				
1,300.00	1,299.84	2,248.32	2,196.67	4.43	10.84	28.53	967.24	5,040.11	5,218.55	5,204.77	13.78	378.720				
1,400.00	1,399.45	2,320.71	2,266.89	4.79	11.23	28.69	976.17	5,024.89	5,192.51	5,178.04	14.47	358.813				
1,500.00	1,498.70	2,396.76	2,340.76	5.15	11.65	28.89	985.29	5,009.34	5,164.03	5,148.85	15.18	340.231				
1,600.00	1,597.47	2,499.99	2,440.99	5.53	12.21	29.11	998.17	4,988.24	5,132.74	5,116.73	16.01	320.630				
1,700.00	1,695.62	2,591.56	2,529.80	5.93	12.72	29.39	1,009.86	4,969.26	5,098.35	5,081.56	16.79	303.664				
1,800.00	1,793.06	2,661.50	2,597.77	6.35	13.10	29.74	1,018.38	4,955.10	5,061.49	5,044.02	17.47	289.680				
1,900.00	1,889.64	2,745.10	2,679.22	6.79	13.54	30.15	1,027.50	4,938.62	5,022.11	5,003.90	18.21	275.786				
2,000.00	1,985.27	2,978.06	2,904.89	7.27	14.84	30.60	1,056.19	4,888.56	4,978.34	4,958.72	19.62	253.718				
2,100.00	2,079.82	3,034.19	2,959.11	7.79	15.16	31.15	1,063.30	4,875.94	4,931.31	4,911.05	20.27	243.307				
2,200.00	2,173.17	3,089.09	3,012.13	8.36	15.48	31.75	1,070.87	4,863.85	4,882.24	4,861.32	20.92	233.348				
2,300.00	2,265.21	3,179.84	3,099.63	8.97	16.01	32.41	1,084.60	4,844.09	4,831.00	4,809.24	21.75	222.067				
2,400.00	2,355.84	3,257.57	3,174.48	9.64	16.46	33.14	1,096.62	4,826.89	4,777.01	4,754.46	22.54	211.907				
2,500.00	2,444.94	3,340.12	3,253.98	10.36	16.94	33.97	1,109.66	4,808.88	4,720.87	4,697.50	23.37	202.038				
2,591.69	2,525.19	3,466.59	3,375.70	11.07	17.69	34.89	1,128.93	4,780.48	4,666.77	4,642.42	24.35	191.644				
2,600.00	2,532.40	3,477.68	3,386.38	11.14	17.76	34.91	1,130.54	4,777.94	4,661.75	4,637.30	24.44	190.730				
2,700.00	2,619.15	3,582.92	3,487.81	11.96	18.37	35.11	1,144.46	4,753.64	4,600.94	4,575.58	25.36	181.457				
2,800.00	2,705.89	3,622.91	3,526.46	12.81	18.60	35.19	1,149.24	4,744.54	4,540.28	4,514.27	26.01	174.543				
2,900.00	2,792.64	3,679.00	3,580.81	13.67	18.91	35.32	1,155.94	4,732.39	4,480.40	4,453.66	26.75	167.510				
3,000.00	2,879.39	3,773.44	3,672.30	14.55	19.44	35.53	1,167.41	4,711.97	4,420.77	4,393.13	27.64	159.956				
3,100.00	2,966.14	3,824.82	3,722.01	15.44	19.73	35.64	1,173.85	4,700.73	4,360.93	4,332.55	28.38	153.644				
3,200.00	3,052.88	3,909.09	3,803.61	16.34	20.21	35.83	1,184.72	4,682.66	4,301.55	4,272.29	29.26	147.005				
3,300.00	3,139.63	3,996.58	3,888.23	17.25	20.70	36.03	1,195.72	4,663.34	4,241.59	4,211.43	30.16	140.659				
3,400.00	3,226.38	4,055.00	3,944.89	18.17	21.03	36.18	1,202.51	4,650.87	4,182.13	4,151.18	30.96	135.103				
3,500.00	3,313.12	4,091.16	3,980.07	19.09	21.22	36.28	1,206.44	4,643.47	4,123.30	4,091.61	31.69	130.130				
3,600.00	3,399.87	4,150.00	4,037.49	20.02	21.53	36.45	1,212.31	4,632.06	4,065.28	4,032.78	32.50	125.093				
3,700.00	3,486.62	4,181.00	4,067.84	20.96	21.68	36.55	1,215.13	4,626.36	4,007.91	3,974.68	33.23	120.609				
3,800.00	3,573.37	4,228.22	4,114.16	21.90	21.91	36.71	1,218.96	4,618.07	3,951.34	3,917.32	34.02	116.147				
3,900.00	3,660.11	4,268.02	4,153.31	22.84	22.09	36.86	1,221.80	4,611.49	3,895.58	3,860.78	34.79	111.959				
4,000.00	3,746.86	4,304.74	4,189.52	23.78	22.26	37.00	1,224.16	4,605.89	3,840.83	3,805.26	35.57	107.980				
4,100.00	3,833.61	4,337.00	4,221.41	24.73	22.40	37.13	1,226.02	4,601.35	3,787.14	3,750.79	36.35	104.197				
4,200.00	3,920.35	4,379.60	4,263.59	25.68	22.57	37.31	1,228.29	4,595.88	3,734.51	3,697.36	37.15	100.525				
4,300.00	4,007.10	4,430.00	4,313.61	26.63	22.77	37.53	1,230.77	4,590.18	3,683.05	3,645.06	37.98	96.964				
4,400.00	4,093.85	4,470.39	4,353.74	27.59	22.92	37.72	1,232.53	4,586.05	3,632.52	3,593.73	38.80	93.624				
4,500.00	4,180.60	4,523.00	4,406.08	28.55	23.12	37.97	1,234.41	4,581.00	3,582.78	3,543.12	39.65	90.353				
4,600.00	4,267.34	4,574.77	4,457.63	29.50	23.29	38.23	1,236.00	4,576.52	3,533.92	3,493.41	40.51	87.234				
4,700.00	4,354.09	4,617.00	4,499.72	30.46	23.44	38.44	1,237.26	4,573.32	3,486.13	3,444.78	41.36	84.288				
4,800.00	4,440.84	4,669.06	4,551.66	31.42	23.60	38.72	1,238.50	4,569.97	3,439.42	3,397.18	42.23	81.437				
4,900.00	4,527.58	4,718.08	4,600.60	32.39	23.76	38.99	1,239.17	4,567.42	3,393.82	3,350.71	43.11	78.719				
5,000.00	4,614.33	4,776.85	4,659.32	33.35	23.92	39.33	1,239.32	4,564.94	3,349.20	3,305.19	44.02	76.090				

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
5,100.00	4,701.08	4,837.80	4,720.24	34.31	24.09	39.71	1,238.91	4,562.89	3,305.48	3,260.55	44.94	73.558		
5,200.00	4,787.82	4,897.00	4,779.41	35.28	24.25	40.07	1,238.79	4,561.27	3,262.60	3,216.74	45.87	71.134		
5,300.00	4,874.57	4,946.32	4,828.73	36.25	24.37	40.38	1,238.82	4,560.39	3,220.82	3,174.04	46.78	68.851		
5,400.00	4,961.32	4,995.11	4,877.51	37.21	24.49	40.69	1,238.77	4,560.16	3,180.38	3,132.67	47.70	66.670		
5,500.00	5,048.07	5,086.94	4,969.35	38.18	24.70	41.28	1,238.63	4,560.15	3,140.63	3,091.89	48.74	64.442		
5,600.00	5,134.81	5,195.61	5,078.01	39.15	24.97	42.00	1,238.54	4,559.65	3,100.79	3,050.96	49.83	62.224		
5,700.00	5,221.56	5,287.86	5,170.26	40.12	25.21	42.63	1,238.41	4,558.81	3,060.86	3,009.95	50.91	60.117		
5,800.00	5,308.31	5,370.59	5,252.99	41.09	25.43	43.21	1,238.35	4,558.04	3,021.23	2,969.23	51.99	58.109		
5,900.00	5,395.05	5,462.17	5,344.56	42.06	25.67	43.86	1,238.35	4,557.15	2,981.89	2,928.78	53.11	56.146		
6,000.00	5,481.80	5,557.13	5,439.52	43.03	25.93	44.56	1,238.13	4,556.01	2,942.69	2,888.43	54.25	54.241		
6,100.00	5,568.55	5,660.19	5,542.55	44.00	26.20	45.35	1,237.39	4,554.30	2,903.46	2,848.03	55.43	52.379		
6,200.00	5,655.30	5,755.08	5,637.42	44.97	26.46	46.09	1,236.55	4,552.27	2,864.21	2,807.60	56.61	50.592		
6,300.00	5,742.04	5,840.29	5,722.60	45.94	26.70	46.78	1,235.79	4,550.33	2,825.25	2,767.45	57.80	48.884		
6,400.00	5,828.79	5,926.91	5,809.20	46.92	26.94	47.51	1,234.86	4,548.34	2,786.69	2,727.69	59.00	47.231		
6,500.00	5,915.54	5,998.91	5,881.18	47.89	27.14	48.12	1,233.99	4,546.84	2,748.77	2,688.57	60.20	45.664		
6,600.00	6,002.28	6,082.06	5,964.31	48.86	27.37	48.84	1,232.99	4,545.40	2,711.60	2,650.16	61.43	44.138		
6,700.00	6,089.03	6,167.94	6,050.17	49.83	27.60	49.61	1,232.12	4,543.90	2,674.88	2,612.18	62.70	42.659		
6,800.00	6,175.78	6,255.54	6,137.75	50.81	27.85	50.39	1,231.68	4,542.43	2,638.65	2,574.65	64.00	41.230		
6,900.00	6,262.53	6,354.20	6,236.40	51.78	28.14	51.28	1,231.92	4,540.64	2,602.74	2,537.39	65.34	39.833		
7,000.00	6,349.27	6,440.73	6,322.90	52.76	28.40	52.06	1,233.17	4,538.80	2,566.90	2,500.22	66.67	38.499		
7,100.00	6,436.02	6,514.77	6,396.92	53.73	28.63	52.75	1,234.11	4,537.50	2,531.89	2,463.89	68.00	37.233		
7,200.00	6,522.77	6,588.73	6,470.87	54.71	28.85	53.45	1,234.82	4,536.53	2,497.85	2,428.50	69.35	36.020		
7,300.00	6,609.51	6,663.64	6,545.78	55.68	29.06	54.18	1,235.13	4,535.85	2,464.77	2,394.05	70.72	34.854		
7,400.00	6,696.26	6,744.87	6,627.01	56.66	29.30	55.00	1,235.07	4,535.33	2,432.59	2,360.47	72.13	33.727		
7,500.00	6,783.01	6,824.82	6,706.96	57.63	29.52	55.82	1,234.89	4,534.96	2,401.22	2,327.67	73.55	32.648		
7,600.00	6,869.76	6,908.00	6,790.14	58.61	29.75	56.70	1,234.41	4,534.73	2,370.72	2,295.72	75.00	31.609		
7,683.49	6,942.18	6,979.08	6,861.22	59.42	29.94	57.47	1,234.05	4,534.57	2,345.80	2,269.57	76.23	30.772		
7,700.00	6,956.57	6,992.51	6,874.65	59.58	29.98	54.69	1,233.97	4,534.55	2,340.85	2,264.38	76.47	30.611		
7,750.00	7,000.85	7,033.88	6,916.02	60.04	30.09	45.15	1,233.72	4,534.50	2,324.98	2,247.85	77.14	30.141		
7,800.00	7,045.94	7,078.27	6,960.40	60.46	30.21	33.94	1,233.43	4,534.50	2,307.79	2,230.08	77.71	29.696		
7,850.00	7,091.49	7,124.55	7,006.68	60.84	30.33	21.41	1,233.20	4,534.50	2,289.30	2,211.11	78.20	29.276		
7,900.00	7,137.15	7,167.82	7,049.95	61.17	30.45	8.30	1,233.03	4,534.52	2,269.61	2,191.05	78.56	28.889		
7,950.00	7,182.58	7,208.86	7,090.99	61.44	30.56	-4.47	1,232.85	4,534.60	2,248.93	2,170.11	78.81	28.535		
8,000.00	7,227.43	7,252.03	7,134.16	61.67	30.68	-16.25	1,232.62	4,534.77	2,227.39	2,148.43	78.96	28.208		
8,050.00	7,271.36	7,299.92	7,182.05	61.84	30.81	-26.80	1,232.40	4,534.91	2,205.08	2,126.06	79.02	27.907		
8,100.00	7,314.04	7,345.84	7,227.97	61.96	30.93	-36.13	1,232.25	4,534.99	2,182.16	2,103.20	78.96	27.638		
8,150.00	7,355.14	7,389.09	7,271.22	62.04	31.05	-44.39	1,232.12	4,535.01	2,158.91	2,080.13	78.79	27.402		
8,200.00	7,394.34	7,430.32	7,312.45	62.07	31.17	-51.75	1,232.00	4,535.00	2,135.62	2,057.11	78.51	27.203		
8,250.00	7,431.36	7,469.22	7,351.35	62.06	31.28	-58.33	1,231.90	4,534.96	2,112.58	2,034.46	78.12	27.043		
8,300.00	7,465.90	7,505.50	7,387.63	62.01	31.38	-64.22	1,231.81	4,534.88	2,090.10	2,012.47	77.63	26.923		
8,350.00	7,497.71	7,538.89	7,421.02	61.93	31.47	-69.49	1,231.73	4,534.79	2,068.53	1,991.48	77.05	26.848		
8,400.00	7,526.53	7,566.30	7,448.43	61.81	31.55	-74.07	1,231.64	4,534.73	2,048.21	1,971.84	76.37	26.819 SF		
8,450.00	7,552.17	7,591.83	7,473.96	61.66	31.62	-78.09	1,231.54	4,534.66	2,029.47	1,953.85	75.62	26.838		
8,500.00	7,574.41	7,614.06	7,496.19	61.48	31.69	-81.52	1,231.45	4,534.60	2,012.63	1,937.82	74.80	26.905		
8,550.00	7,593.09	7,630.05	7,512.18	61.29	31.73	-84.29	1,231.38	4,534.57	1,997.97	1,924.04	73.93	27.025		
8,600.00	7,608.07	7,643.29	7,525.41	61.07	31.77	-86.51	1,231.33	4,534.57	1,985.78	1,912.76	73.02	27.193		
8,650.00	7,619.23	7,653.19	7,535.32	60.84	31.80	-88.17	1,231.29	4,534.57	1,976.27	1,904.16	72.10	27.409		
8,700.00	7,626.48	7,659.68	7,541.80	60.60	31.82	-89.28	1,231.26	4,534.57	1,969.59	1,898.41	71.18	27.670		
8,750.00	7,629.78	7,662.71	7,544.83	60.35	31.82	-89.85	1,231.25	4,534.58	1,965.88	1,895.60	70.28	27.973		
8,766.45	7,630.00	7,662.94	7,545.07	60.27	31.83	-89.91	1,231.25	4,534.58	1,965.32	1,895.33	69.99	28.081 ES		
8,800.00	7,630.00	7,663.05	7,545.17	60.10	31.83	-89.92	1,231.25	4,534.58	1,964.79	1,895.38	69.41	28.307		
8,813.94	7,630.00	7,663.09	7,545.22	60.03	31.83	-89.92	1,231.25	4,534.58	1,964.74	1,895.56	69.18	28.399 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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
8,900.00	7,630.00	7,663.35	7,545.47	59.61	31.83	-89.93	1,231.25	4,534.58	1,966.63	1,898.76	67.86	28.980		
9,000.00	7,630.00	7,663.65	7,545.77	59.15	31.83	-89.94	1,231.25	4,534.58	1,973.53	1,906.94	66.60	29.634		
9,100.00	7,630.00	7,663.95	7,546.07	58.71	31.83	-89.94	1,231.25	4,534.58	1,985.46	1,919.79	65.66	30.237		
9,200.00	7,630.00	7,664.25	7,546.37	58.30	31.83	-89.95	1,231.25	4,534.58	2,002.31	1,937.22	65.09	30.762		
9,300.00	7,630.00	7,664.54	7,546.67	57.91	31.83	-89.96	1,231.25	4,534.58	2,023.97	1,959.08	64.89	31.189		
9,400.00	7,630.00	7,664.84	7,546.97	57.54	31.83	-89.97	1,231.25	4,534.58	2,050.29	1,985.22	65.06	31.512		
9,500.00	7,630.00	7,665.13	7,547.26	57.19	31.83	-89.98	1,231.25	4,534.58	2,081.08	2,015.51	65.57	31.737		
9,600.00	7,630.00	7,665.43	7,547.55	56.87	31.83	-89.99	1,231.24	4,534.58	2,116.15	2,049.78	66.38	31.881		
9,700.00	7,630.00	7,665.72	7,547.85	56.57	31.83	-90.00	1,231.24	4,534.58	2,155.30	2,087.87	67.42	31.967		
9,800.00	7,630.00	7,666.01	7,548.14	56.30	31.83	-90.00	1,231.24	4,534.58	2,198.30	2,129.64	68.66	32.018		
9,900.00	7,630.00	7,666.30	7,548.43	56.05	31.83	-90.01	1,231.24	4,534.58	2,244.93	2,174.91	70.03	32.057		
10,000.00	7,630.00	7,666.59	7,548.72	55.82	31.84	-90.02	1,231.24	4,534.58	2,294.98	2,223.49	71.49	32.103		
10,100.00	7,630.00	7,666.88	7,549.01	55.63	31.84	-90.03	1,231.24	4,534.59	2,348.22	2,275.23	73.00	32.169		
10,200.00	7,630.00	7,667.17	7,549.30	55.46	31.84	-90.04	1,231.24	4,534.59	2,404.45	2,329.92	74.52	32.264		
10,300.00	7,630.00	7,667.46	7,549.59	55.32	31.84	-90.05	1,231.24	4,534.59	2,463.45	2,387.40	76.05	32.395		
10,400.00	7,630.00	7,667.74	7,549.87	55.22	31.84	-90.05	1,231.24	4,534.59	2,525.03	2,447.49	77.54	32.564		
10,500.00	7,630.00	7,668.03	7,550.16	55.15	31.84	-90.06	1,231.24	4,534.59	2,589.01	2,510.02	78.99	32.774		
10,600.00	7,630.00	7,668.31	7,550.44	55.14	31.84	-90.07	1,231.23	4,534.59	2,655.22	2,574.82	80.40	33.025		
10,700.00	7,630.00	7,668.60	7,550.72	55.18	31.84	-90.08	1,231.23	4,534.59	2,723.49	2,641.74	81.75	33.314		
10,800.00	7,630.00	7,668.88	7,551.01	55.28	31.84	-90.09	1,231.23	4,534.59	2,793.68	2,710.63	83.05	33.640		
10,900.00	7,630.00	7,669.16	7,551.29	55.47	31.84	-90.10	1,231.23	4,534.59	2,865.63	2,781.35	84.28	34.002		
11,000.00	7,630.00	7,669.44	7,551.57	55.74	31.84	-90.10	1,231.23	4,534.59	2,939.22	2,853.78	85.45	34.397		
11,100.00	7,630.00	7,669.72	7,551.85	56.11	31.84	-90.11	1,231.23	4,534.59	3,014.34	2,927.78	86.56	34.823		
11,200.00	7,630.00	7,670.00	7,552.13	56.60	31.84	-90.12	1,231.23	4,534.59	3,090.87	3,003.25	87.61	35.278		
11,300.00	7,630.00	7,670.28	7,552.40	57.20	31.85	-90.13	1,231.23	4,534.59	3,168.70	3,080.09	88.61	35.760		
11,400.00	7,630.00	7,670.55	7,552.68	57.91	31.85	-90.14	1,231.23	4,534.59	3,247.75	3,158.20	89.55	36.266		
11,500.00	7,630.00	7,670.83	7,552.96	58.72	31.85	-90.14	1,231.23	4,534.59	3,327.92	3,237.48	90.44	36.795		
11,600.00	7,630.00	7,671.10	7,553.23	59.63	31.85	-90.15	1,231.23	4,534.59	3,409.15	3,317.86	91.29	37.346		
11,700.00	7,630.00	7,671.38	7,553.50	60.61	31.85	-90.16	1,231.22	4,534.59	3,491.35	3,399.26	92.08	37.915		
11,800.00	7,630.00	7,671.65	7,553.78	61.67	31.85	-90.17	1,231.22	4,534.59	3,574.45	3,481.62	92.84	38.503		
11,900.00	7,630.00	7,671.92	7,554.05	62.78	31.85	-90.18	1,231.22	4,534.59	3,658.40	3,564.86	93.55	39.107		
12,000.00	7,630.00	7,672.19	7,554.32	63.95	31.85	-90.18	1,231.22	4,534.60	3,743.14	3,648.92	94.22	39.727		
12,100.00	7,630.00	7,672.46	7,554.59	65.16	31.85	-90.19	1,231.22	4,534.60	3,828.62	3,733.76	94.86	40.361		
12,200.00	7,630.00	7,672.73	7,554.86	66.41	31.85	-90.20	1,231.22	4,534.60	3,914.78	3,819.32	95.46	41.008		
12,300.00	7,630.00	7,673.00	7,555.13	67.68	31.85	-90.21	1,231.22	4,534.60	4,001.59	3,905.56	96.04	41.668		
12,400.00	7,630.00	7,673.27	7,555.40	68.99	31.85	-90.22	1,231.22	4,534.60	4,089.00	3,992.42	96.58	42.339		
12,500.00	7,630.00	7,673.53	7,555.66	70.33	31.85	-90.22	1,231.22	4,534.60	4,176.98	4,079.88	97.09	43.020		
12,600.00	7,630.00	7,673.80	7,555.93	71.68	31.86	-90.23	1,231.22	4,534.60	4,265.48	4,167.90	97.58	43.711		
12,700.00	7,630.00	7,674.07	7,556.19	73.06	31.86	-90.24	1,231.22	4,534.60	4,354.49	4,256.44	98.05	44.412		
12,800.00	7,630.00	7,674.33	7,556.46	74.45	31.86	-90.25	1,231.21	4,534.60	4,443.96	4,345.47	98.49	45.120		
12,900.00	7,630.00	7,674.59	7,556.72	75.87	31.86	-90.25	1,231.21	4,534.60	4,533.87	4,434.96	98.91	45.837		
13,000.00	7,630.00	7,674.85	7,556.98	77.29	31.86	-90.26	1,231.21	4,534.60	4,624.19	4,524.88	99.31	46.561		
13,100.00	7,630.00	7,675.12	7,557.24	78.74	31.86	-90.27	1,231.21	4,534.60	4,714.91	4,615.21	99.70	47.292		
13,200.00	7,630.00	7,675.38	7,557.50	80.19	31.86	-90.28	1,231.21	4,534.60	4,805.99	4,705.93	100.06	48.030		
13,300.00	7,630.00	7,675.64	7,557.76	81.66	31.86	-90.28	1,231.21	4,534.60	4,897.43	4,797.01	100.41	48.773		
13,400.00	7,630.00	7,675.89	7,558.02	83.14	31.86	-90.29	1,231.21	4,534.60	4,989.19	4,888.44	100.75	49.522		
13,500.00	7,630.00	7,676.15	7,558.28	84.63	31.86	-90.30	1,231.21	4,534.60	5,081.26	4,980.19	101.07	50.277		
13,600.00	7,630.00	7,676.41	7,558.54	86.14	31.86	-90.31	1,231.21	4,534.60	5,173.63	5,072.25	101.37	51.036		
13,700.00	7,630.00	7,676.67	7,558.79	87.65	31.86	-90.31	1,231.21	4,534.61	5,266.27	5,164.61	101.67	51.800		
13,800.00	7,630.00	7,676.92	7,559.05	89.17	31.86	-90.32	1,231.21	4,534.61	5,359.18	5,257.23	101.95	52.569		
13,900.00	7,630.00	7,677.18	7,559.30	90.70	31.87	-90.33	1,231.21	4,534.61	5,452.34	5,350.12	102.22	53.341		
14,000.00	7,630.00	7,677.43	7,559.56	92.24	31.87	-90.34	1,231.20	4,534.61	5,545.74	5,443.26	102.48	54.117		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
14,100.00	7,630.00	7,677.68	7,559.81	93.78	31.87	-90.34	1,231.20	4,534.61	5,639.36	5,536.64	102.73	54.897		
14,200.00	7,630.00	7,677.94	7,560.06	95.33	31.87	-90.35	1,231.20	4,534.61	5,733.20	5,630.24	102.97	55.681		
14,300.00	7,630.00	7,678.19	7,560.31	96.89	31.87	-90.36	1,231.20	4,534.61	5,827.25	5,724.05	103.20	56.467		
14,400.00	7,630.00	7,678.44	7,560.56	98.46	31.87	-90.37	1,231.20	4,534.61	5,921.49	5,818.07	103.42	57.257		
14,500.00	7,630.00	7,678.69	7,560.81	100.03	31.87	-90.37	1,231.20	4,534.61	6,015.91	5,912.28	103.63	58.049		
14,600.00	7,630.00	7,678.94	7,561.06	101.61	31.87	-90.38	1,231.20	4,534.61	6,110.52	6,006.68	103.84	58.844		
14,700.00	7,630.00	7,679.19	7,561.31	103.20	31.87	-90.39	1,231.20	4,534.61	6,205.29	6,101.25	104.04	59.642		
14,800.00	7,630.00	7,679.43	7,561.56	104.78	31.87	-90.40	1,231.20	4,534.61	6,300.23	6,195.99	104.24	60.442		
14,900.00	7,630.00	7,679.68	7,561.81	106.38	31.87	-90.40	1,231.20	4,534.61	6,395.31	6,290.89	104.42	61.244		
15,000.00	7,630.00	7,679.92	7,562.05	107.98	31.87	-90.41	1,231.20	4,534.61	6,490.55	6,385.95	104.60	62.048		
15,100.00	7,630.00	7,680.17	7,562.30	109.58	31.87	-90.42	1,231.20	4,534.61	6,585.93	6,481.15	104.78	62.855		
15,200.00	7,630.00	7,680.41	7,562.54	111.19	31.87	-90.42	1,231.20	4,534.62	6,681.44	6,576.49	104.95	63.663		
15,300.00	7,630.00	7,680.66	7,562.78	112.81	31.87	-90.43	1,231.19	4,534.62	6,777.08	6,671.97	105.12	64.472		
15,400.00	7,630.00	7,680.90	7,563.03	114.42	31.88	-90.44	1,231.19	4,534.62	6,872.85	6,767.57	105.28	65.284		
15,500.00	7,630.00	7,681.14	7,563.27	116.05	31.88	-90.45	1,231.19	4,534.62	6,968.73	6,863.30	105.43	66.097		
15,600.00	7,630.00	7,681.38	7,563.51	117.67	31.88	-90.45	1,231.19	4,534.62	7,064.73	6,959.15	105.58	66.911		
15,700.00	7,630.00	7,681.62	7,563.75	119.30	31.88	-90.46	1,231.19	4,534.62	7,160.84	7,055.11	105.73	67.727		
15,800.00	7,630.00	7,681.86	7,563.99	120.93	31.88	-90.47	1,231.19	4,534.62	7,257.06	7,151.18	105.87	68.544		
15,900.00	7,630.00	7,682.10	7,564.23	122.57	31.88	-90.47	1,231.19	4,534.62	7,353.37	7,247.36	106.01	69.362		
16,000.00	7,630.00	7,682.34	7,564.47	124.21	31.88	-90.48	1,231.19	4,534.62	7,449.78	7,343.63	106.15	70.182		
16,100.00	7,630.00	7,682.58	7,564.71	125.85	31.88	-90.49	1,231.19	4,534.62	7,546.29	7,440.01	106.28	71.002		
16,200.00	7,630.00	7,682.82	7,564.94	127.50	31.88	-90.49	1,231.19	4,534.62	7,642.88	7,536.47	106.41	71.824		
16,300.00	7,630.00	7,683.05	7,565.18	129.15	31.88	-90.50	1,231.19	4,534.62	7,739.56	7,633.03	106.54	72.646		
16,400.00	7,630.00	7,683.29	7,565.41	130.80	31.88	-90.51	1,231.19	4,534.62	7,836.33	7,729.67	106.66	73.469		
16,500.00	7,630.00	7,683.52	7,565.65	132.46	31.88	-90.51	1,231.19	4,534.62	7,933.17	7,826.39	106.78	74.293		
16,600.00	7,630.00	7,683.76	7,565.88	134.11	31.88	-90.52	1,231.18	4,534.62	8,030.10	7,923.20	106.90	75.118		
16,700.00	7,630.00	7,683.99	7,566.12	135.77	31.88	-90.53	1,231.18	4,534.63	8,127.09	8,020.08	107.02	75.943		
16,800.00	7,630.00	7,684.22	7,566.35	137.43	31.88	-90.54	1,231.18	4,534.63	8,224.16	8,117.03	107.13	76.769		
16,900.00	7,630.00	7,684.45	7,566.58	139.10	31.89	-90.54	1,231.18	4,534.63	8,321.30	8,214.06	107.24	77.596		
17,000.00	7,630.00	7,684.68	7,566.81	140.77	31.89	-90.55	1,231.18	4,534.63	8,418.51	8,311.16	107.35	78.423		
17,100.00	7,630.00	7,684.91	7,567.04	142.44	31.89	-90.56	1,231.18	4,534.63	8,515.78	8,408.32	107.45	79.251		
17,200.00	7,630.00	7,685.14	7,567.27	144.11	31.89	-90.56	1,231.18	4,534.63	8,613.11	8,505.55	107.56	80.079		
17,300.00	7,630.00	7,685.37	7,567.50	145.78	31.89	-90.57	1,231.18	4,534.63	8,710.50	8,602.84	107.66	80.907		
17,400.00	7,630.00	7,685.60	7,567.73	147.46	31.89	-90.58	1,231.18	4,534.63	8,807.95	8,700.19	107.76	81.736		
17,500.00	7,630.00	7,685.83	7,567.96	149.13	31.89	-90.58	1,231.18	4,534.63	8,905.46	8,797.60	107.86	82.565		
17,600.00	7,630.00	7,686.06	7,568.18	150.81	31.89	-90.59	1,231.18	4,534.63	9,003.02	8,895.07	107.96	83.395		
17,700.00	7,630.00	7,686.28	7,568.41	152.49	31.89	-90.60	1,231.18	4,534.63	9,100.64	8,992.59	108.05	84.224		
17,800.00	7,630.00	7,686.51	7,568.63	154.18	31.89	-90.60	1,231.18	4,534.63	9,198.31	9,090.16	108.15	85.054		
17,900.00	7,630.00	7,686.73	7,568.86	155.86	31.89	-90.61	1,231.18	4,534.63	9,296.02	9,187.78	108.24	85.884		
18,000.00	7,630.00	7,686.96	7,569.08	157.55	31.89	-90.61	1,231.18	4,534.63	9,393.79	9,285.46	108.33	86.715		
18,100.00	7,630.00	7,687.18	7,569.31	159.24	31.89	-90.62	1,231.17	4,534.64	9,491.60	9,383.18	108.42	87.545		
18,200.00	7,630.00	7,687.40	7,569.53	160.92	31.89	-90.63	1,231.17	4,534.64	9,589.45	9,480.95	108.51	88.375		
18,300.00	7,630.00	7,687.62	7,569.75	162.62	31.89	-90.63	1,231.17	4,534.64	9,687.35	9,578.76	108.60	89.206		
18,400.00	7,630.00	7,687.84	7,569.97	164.31	31.89	-90.64	1,231.17	4,534.64	9,785.30	9,676.61	108.68	90.036		
18,458.39	7,630.00	7,687.97	7,570.10	165.30	31.90	-90.64	1,231.17	4,534.64	9,842.51	9,733.77	108.73	90.521		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
0.00	0.00	0.00	0.00	0.00	0.00	82.12	750.66	5,422.93	5,475.25					
100.00	100.00	34.57	34.57	0.13	0.05	82.12	750.65	5,422.88	5,474.61	5,474.42	0.19	N/A		
200.00	200.00	156.13	156.13	0.49	0.40	82.12	750.48	5,422.14	5,473.96	5,473.07	0.89	6,164.395		
300.00	300.00	247.34	247.34	0.85	0.72	82.12	750.46	5,421.56	5,473.33	5,471.76	1.57	3,479.660		
400.00	400.00	353.54	353.53	1.21	1.10	82.12	750.57	5,420.93	5,472.76	5,470.45	2.31	2,367.682		
492.83	492.83	410.84	410.83	1.54	1.30	82.12	750.08	5,420.82	5,472.46	5,469.62	2.84	1,924.689		
500.00	500.00	415.31	415.30	1.57	1.32	82.12	750.00	5,420.83	5,472.47	5,469.58	2.88	1,897.146		
600.00	600.00	479.99	479.94	1.93	1.54	82.14	748.01	5,421.36	5,472.85	5,469.38	3.47	1,578.461		
700.00	700.00	534.00	533.87	2.29	1.73	82.17	745.22	5,422.26	5,473.87	5,469.86	4.01	1,364.320		
800.00	800.00	590.23	589.94	2.64	1.93	82.22	741.22	5,423.80	5,475.71	5,471.14	4.57	1,197.911		
900.00	900.00	647.26	646.68	3.00	2.14	82.28	736.01	5,426.14	5,478.51	5,473.38	5.14	1,066.600		
1,000.00	1,000.00	716.00	714.86	3.36	2.39	82.36	727.90	5,429.48	5,481.82	5,476.07	5.75	953.126		
1,100.00	1,100.00	763.65	761.94	3.72	2.58	82.44	721.16	5,432.29	5,485.93	5,479.63	6.30	871.097		
1,200.00	1,199.98	809.00	806.60	4.07	2.77	31.41	714.02	5,435.62	5,489.66	5,482.83	6.83	803.630		
1,300.00	1,299.84	854.01	850.80	4.43	2.96	31.49	706.37	5,439.42	5,491.43	5,484.06	7.37	745.058		
1,400.00	1,399.45	902.00	897.80	4.79	3.17	31.61	697.79	5,443.89	5,491.14	5,483.21	7.92	692.971		
1,500.00	1,498.70	964.15	958.51	5.15	3.45	31.81	686.12	5,450.22	5,488.71	5,480.16	8.56	641.538		
1,600.00	1,597.47	1,024.08	1,016.89	5.53	3.73	32.04	674.29	5,456.81	5,484.12	5,474.93	9.19	596.866		
1,700.00	1,695.62	1,091.69	1,082.42	5.93	4.07	32.34	659.65	5,464.80	5,477.32	5,467.45	9.88	554.628		
1,800.00	1,793.06	1,221.38	1,207.94	6.35	4.73	32.93	630.85	5,480.09	5,467.79	5,456.90	10.90	501.777		
1,900.00	1,889.64	1,289.70	1,274.35	6.79	5.08	33.32	616.81	5,487.80	5,455.23	5,443.61	11.62	469.551		
2,000.00	1,985.27	1,343.09	1,326.19	7.27	5.36	33.69	605.77	5,494.24	5,440.68	5,428.41	12.28	443.199		
2,100.00	2,079.82	1,429.47	1,409.81	7.79	5.82	34.25	587.02	5,505.03	5,423.87	5,410.74	13.13	413.101		
2,200.00	2,173.17	1,501.14	1,478.91	8.36	6.21	34.81	570.34	5,514.19	5,404.70	5,390.76	13.94	387.726		
2,300.00	2,265.21	1,600.26	1,574.20	8.97	6.77	35.57	546.28	5,527.03	5,383.21	5,368.28	14.93	360.567		
2,400.00	2,355.84	1,722.42	1,692.03	9.64	7.46	36.50	517.79	5,542.09	5,358.81	5,342.74	16.07	333.512		
2,500.00	2,444.94	1,780.21	1,747.94	10.36	7.78	37.15	504.94	5,549.16	5,332.08	5,315.20	16.88	315.973		
2,591.69	2,525.19	1,852.71	1,818.07	11.07	8.18	37.89	489.00	5,558.30	5,305.87	5,288.12	17.75	298.950		
2,600.00	2,532.40	1,860.99	1,826.08	11.14	8.22	37.94	487.18	5,559.34	5,303.41	5,285.57	17.84	297.284		
2,700.00	2,619.15	1,988.88	1,949.99	11.96	8.93	38.69	459.65	5,574.86	5,273.74	5,254.67	19.07	276.481		
2,800.00	2,705.89	2,055.23	2,014.39	12.81	9.29	39.07	445.69	5,582.66	5,244.18	5,224.18	20.00	262.198		
2,900.00	2,792.64	2,149.96	2,106.07	13.67	9.81	39.64	424.68	5,593.97	5,215.25	5,194.14	21.11	247.070		
3,000.00	2,879.39	2,265.67	2,217.76	14.55	10.47	40.35	397.45	5,607.07	5,186.30	5,163.94	22.36	231.901		
3,100.00	2,966.14	2,378.61	2,326.99	15.44	11.10	41.05	371.43	5,619.18	5,157.38	5,133.77	23.62	218.385		
3,200.00	3,052.88	2,497.75	2,442.95	16.34	11.74	41.77	346.82	5,631.08	5,128.24	5,103.35	24.89	206.033		
3,300.00	3,139.63	2,554.00	2,497.69	17.25	12.04	42.11	335.11	5,636.57	5,099.50	5,073.65	25.85	197.287		
3,400.00	3,226.38	2,600.54	2,542.90	18.17	12.29	42.40	325.16	5,641.38	5,071.76	5,044.98	26.77	189.427		
3,500.00	3,313.12	2,648.00	2,588.90	19.09	12.55	42.70	314.82	5,646.81	5,045.32	5,017.60	27.72	182.028		
3,600.00	3,399.87	2,804.07	2,740.27	20.02	13.41	43.68	280.66	5,663.50	5,018.79	4,989.52	29.27	171.473		
3,700.00	3,486.62	2,877.42	2,811.38	20.96	13.82	44.16	264.26	5,670.87	4,992.38	4,962.00	30.39	164.297		
3,800.00	3,573.37	2,948.73	2,880.35	21.90	14.22	44.63	247.67	5,678.17	4,966.75	4,935.24	31.51	157.631		
3,900.00	3,660.11	3,022.00	2,951.27	22.84	14.63	45.11	230.87	5,685.66	4,941.67	4,909.02	32.65	151.335		
4,000.00	3,746.86	3,075.35	3,002.91	23.78	14.93	45.46	218.71	5,691.30	4,917.49	4,883.79	33.70	145.933		
4,100.00	3,833.61	3,122.52	3,048.46	24.73	15.20	45.78	207.71	5,696.66	4,894.51	4,859.80	34.71	141.000		
4,200.00	3,920.35	3,198.20	3,121.57	25.68	15.63	46.28	190.33	5,705.57	4,872.44	4,836.54	35.90	135.717		
4,300.00	4,007.10	3,338.68	3,257.82	26.63	16.41	47.20	160.07	5,721.55	4,850.43	4,812.98	37.45	129.507		
4,400.00	4,093.85	3,423.84	3,340.34	27.59	16.88	47.78	141.05	5,730.57	4,828.52	4,789.81	38.71	124.740		
4,500.00	4,180.60	3,491.00	3,405.32	28.55	17.26	48.24	125.66	5,737.70	4,807.31	4,767.44	39.88	120.554		
4,600.00	4,267.34	3,542.64	3,455.25	29.50	17.55	48.59	113.76	5,743.40	4,787.11	4,746.15	40.96	116.864		
4,700.00	4,354.09	3,609.29	3,519.64	30.46	17.93	49.05	98.43	5,751.23	4,768.07	4,725.93	42.14	113.147		
4,800.00	4,440.84	3,743.47	3,650.03	31.42	18.66	49.94	70.88	5,766.73	4,749.04	4,705.36	43.69	108.702		
4,900.00	4,527.58	3,830.40	3,734.85	32.39	19.11	50.51	54.63	5,776.65	4,730.23	4,685.26	44.96	105.202		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
5,000.00	4,614.33	3,903.34	3,805.92	33.35	19.50	51.00	40.49	5,784.92	4,712.07	4,665.90	46.17	102.055		
5,100.00	4,701.08	3,960.00	3,861.11	34.31	19.80	51.38	29.40	5,791.48	4,694.77	4,647.47	47.30	99.258		
5,200.00	4,787.82	4,020.42	3,919.90	35.28	20.12	51.78	17.55	5,798.78	4,678.50	4,630.05	48.45	96.562		
5,300.00	4,874.57	4,095.00	3,992.40	36.25	20.53	52.28	2.87	5,808.29	4,663.33	4,613.65	49.69	93.852		
5,400.00	4,961.32	4,183.72	4,078.67	37.21	21.01	52.88	-14.65	5,819.33	4,648.57	4,597.56	51.01	91.127		
5,500.00	5,048.07	4,384.64	4,274.81	38.18	22.04	54.22	-50.62	5,843.74	4,634.23	4,581.29	52.93	87.549		
5,600.00	5,134.81	4,476.17	4,364.64	39.15	22.50	54.81	-65.16	5,853.55	4,618.33	4,564.07	54.25	85.124		
5,700.00	5,221.56	4,563.83	4,450.30	40.12	22.94	55.41	-81.48	5,862.49	4,603.31	4,547.73	55.58	82.825		
5,800.00	5,308.31	4,846.79	4,728.08	41.09	24.31	57.36	-130.41	5,884.50	4,586.05	4,528.14	57.91	79.199		
5,900.00	5,395.05	5,425.53	5,303.64	42.06	26.42	61.01	-180.70	5,904.00	4,565.91	4,505.10	60.82	75.078		
6,000.00	5,481.80	5,554.86	5,432.91	43.03	26.77	61.79	-184.00	5,902.76	4,539.39	4,477.29	62.10	73.100		
6,100.00	5,568.55	5,636.81	5,514.85	44.00	26.96	62.27	-183.70	5,902.29	4,512.70	4,449.45	63.26	71.341		
6,200.00	5,655.30	5,755.98	5,634.02	44.97	27.22	62.96	-182.91	5,901.29	4,486.10	4,421.62	64.47	69.582		
6,300.00	5,742.04	5,841.52	5,719.55	45.94	27.42	63.46	-182.23	5,900.31	4,459.61	4,393.96	65.65	67.927		
6,400.00	5,828.79	5,921.60	5,799.63	46.92	27.61	63.93	-181.86	5,899.37	4,433.61	4,366.77	66.84	66.332		
6,500.00	5,915.54	6,008.98	5,886.99	47.89	27.81	64.46	-181.66	5,898.32	4,408.10	4,340.05	68.05	64.777		
6,600.00	6,002.28	6,132.42	6,010.42	48.86	28.11	65.21	-181.07	5,896.42	4,382.67	4,313.35	69.32	63.225		
6,700.00	6,089.03	6,212.32	6,090.30	49.83	28.30	65.70	-180.39	5,895.08	4,357.42	4,286.88	70.53	61.780		
6,800.00	6,175.78	6,306.25	6,184.22	50.81	28.52	66.28	-179.41	5,893.45	4,332.51	4,260.74	71.77	60.367		
6,900.00	6,262.53	6,381.01	6,258.96	51.78	28.69	66.74	-178.49	5,892.28	4,308.10	4,235.12	72.99	59.023		
7,000.00	6,349.27	6,430.16	6,308.10	52.76	28.82	67.05	-177.89	5,891.76	4,284.59	4,210.40	74.18	57.758		
7,100.00	6,436.02	6,487.00	6,364.94	53.73	28.96	67.40	-177.48	5,891.75	4,262.41	4,187.02	75.39	56.539		
7,200.00	6,522.77	6,548.59	6,426.53	54.71	29.13	67.79	-177.35	5,892.04	4,241.27	4,164.66	76.62	55.356		
7,300.00	6,609.51	6,641.76	6,519.70	55.68	29.39	68.38	-177.52	5,892.26	4,220.66	4,142.74	77.92	54.167		
7,400.00	6,696.26	6,755.19	6,633.13	56.66	29.70	69.12	-177.83	5,891.99	4,200.22	4,120.95	79.27	52.988		
7,500.00	6,783.01	6,832.84	6,710.78	57.63	29.91	69.63	-177.93	5,891.58	4,179.99	4,099.44	80.55	51.893		
7,600.00	6,869.76	6,903.98	6,781.92	58.61	30.11	70.09	-178.03	5,891.49	4,160.56	4,078.73	81.83	50.846		
7,683.49	6,942.18	6,964.24	6,842.18	59.42	30.28	70.49	-178.25	5,891.58	4,144.99	4,062.09	82.90	50.000		
7,700.00	6,956.57	6,978.94	6,856.87	59.58	30.32	67.89	-178.32	5,891.61	4,141.83	4,058.72	83.12	49.832		
7,750.00	7,000.85	7,024.17	6,902.10	60.04	30.45	58.85	-178.54	5,891.71	4,130.72	4,046.99	83.73	49.332		
7,800.00	7,045.94	7,073.23	6,951.17	60.46	30.59	48.12	-178.78	5,891.78	4,117.29	4,032.99	84.30	48.843		
7,850.00	7,091.49	7,126.31	7,004.24	60.84	30.75	36.06	-179.04	5,891.77	4,101.53	4,016.73	84.80	48.368		
7,900.00	7,137.15	7,170.70	7,048.64	61.17	30.88	23.37	-179.26	5,891.69	4,083.56	3,998.35	85.21	47.924		
7,950.00	7,182.58	7,210.93	7,088.87	61.44	31.00	10.97	-179.50	5,891.66	4,063.58	3,978.05	85.54	47.506		
8,000.00	7,227.43	7,255.34	7,133.28	61.67	31.13	-0.50	-179.80	5,891.66	4,041.74	3,955.94	85.80	47.107		
8,050.00	7,271.36	7,306.55	7,184.49	61.84	31.28	-10.80	-180.14	5,891.58	4,018.08	3,932.08	86.00	46.722		
8,100.00	7,314.04	7,351.38	7,229.31	61.96	31.41	-20.01	-180.43	5,891.45	3,992.79	3,906.68	86.11	46.366		
8,150.00	7,355.14	7,390.73	7,268.66	62.04	31.52	-28.28	-180.73	5,891.33	3,966.15	3,880.01	86.15	46.040		
8,200.00	7,394.34	7,428.35	7,306.28	62.07	31.63	-35.84	-181.05	5,891.20	3,938.40	3,852.30	86.10	45.740		
8,250.00	7,431.36	7,463.96	7,341.89	62.06	31.74	-42.84	-181.39	5,891.08	3,909.78	3,823.79	85.99	45.468		
8,300.00	7,465.90	7,497.30	7,375.23	62.01	31.84	-49.39	-181.75	5,890.96	3,880.56	3,794.75	85.81	45.225		
8,350.00	7,497.71	7,528.12	7,406.04	61.93	31.93	-55.55	-182.10	5,890.84	3,851.01	3,765.45	85.56	45.012		
8,400.00	7,526.53	7,550.79	7,428.71	61.81	32.00	-61.26	-182.41	5,890.77	3,821.45	3,736.22	85.23	44.835		
8,450.00	7,552.17	7,572.61	7,450.52	61.66	32.06	-66.60	-182.75	5,890.71	3,792.17	3,707.31	84.86	44.690		
8,500.00	7,574.41	7,591.76	7,469.67	61.48	32.12	-71.51	-183.07	5,890.66	3,763.44	3,679.02	84.42	44.578		
8,550.00	7,593.09	7,608.07	7,485.98	61.29	32.17	-75.97	-183.37	5,890.63	3,735.57	3,651.63	83.94	44.502		
8,600.00	7,608.07	7,624.54	7,502.44	61.07	32.22	-80.00	-183.67	5,890.60	3,708.82	3,625.39	83.42	44.458		
8,650.00	7,619.23	7,637.10	7,515.00	60.84	32.26	-83.51	-183.88	5,890.58	3,683.46	3,600.59	82.87	44.451		
8,700.00	7,626.48	7,645.47	7,523.38	60.60	32.29	-86.50	-184.01	5,890.58	3,659.75	3,577.48	82.27	44.482		
8,750.00	7,629.78	7,649.66	7,527.57	60.35	32.30	-88.96	-184.07	5,890.57	3,637.94	3,556.28	81.66	44.551		
8,766.45	7,630.00	7,650.14	7,528.04	60.27	32.30	-89.66	-184.08	5,890.57	3,631.22	3,549.77	81.45	44.582		
8,800.00	7,630.00	7,650.64	7,528.54	60.10	32.30	-89.66	-184.09	5,890.57	3,617.88	3,536.85	81.03	44.650		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
8,900.00	7,630.00	7,652.11	7,530.02	59.61	32.31	-89.69	-184.11	5,890.57	3,579.68	3,499.89	79.78	44.867		
9,000.00	7,630.00	7,653.55	7,531.46	59.15	32.31	-89.71	-184.13	5,890.57	3,543.89	3,465.31	78.57	45.103		
9,100.00	7,630.00	7,654.96	7,532.86	58.71	32.32	-89.74	-184.15	5,890.57	3,510.58	3,433.18	77.41	45.352		
9,200.00	7,630.00	7,656.34	7,534.24	58.30	32.32	-89.76	-184.17	5,890.57	3,479.83	3,403.53	76.30	45.607		
9,300.00	7,630.00	7,657.69	7,535.59	57.91	32.32	-89.79	-184.19	5,890.57	3,451.71	3,376.43	75.27	45.857		
9,400.00	7,630.00	7,659.01	7,536.91	57.54	32.33	-89.81	-184.21	5,890.57	3,426.27	3,351.93	74.34	46.092		
9,500.00	7,630.00	7,660.30	7,538.20	57.19	32.33	-89.83	-184.22	5,890.57	3,403.58	3,330.07	73.51	46.300		
9,600.00	7,630.00	7,661.56	7,539.47	56.87	32.34	-89.85	-184.24	5,890.57	3,383.69	3,310.88	72.82	46.469		
9,700.00	7,630.00	7,662.80	7,540.70	56.57	32.34	-89.87	-184.26	5,890.57	3,366.66	3,294.39	72.27	46.587		
9,800.00	7,630.00	7,664.01	7,541.92	56.30	32.34	-89.90	-184.27	5,890.57	3,352.52	3,280.65	71.88	46.641		
9,900.00	7,630.00	7,665.20	7,543.10	56.05	32.35	-89.92	-184.29	5,890.57	3,341.32	3,269.66	71.67	46.624		
10,000.00	7,630.00	7,666.37	7,544.27	55.82	32.35	-89.94	-184.30	5,890.57	3,333.09	3,261.45	71.64	46.527		
10,100.00	7,630.00	7,667.51	7,545.41	55.63	32.35	-89.96	-184.32	5,890.57	3,327.83	3,256.04	71.80	46.350		
10,200.00	7,630.00	7,668.63	7,546.53	55.46	32.36	-89.97	-184.33	5,890.57	3,325.58	3,253.43	72.15	46.094		
10,224.95	7,630.00	7,668.90	7,546.80	55.42	32.36	-89.98	-184.33	5,890.57	3,325.49	3,253.22	72.27	46.014 CC, ES		
10,300.00	7,630.00	7,669.72	7,547.63	55.32	32.36	-89.99	-184.34	5,890.57	3,326.33	3,253.65	72.68	45.764		
10,400.00	7,630.00	7,670.80	7,548.70	55.22	32.36	-90.01	-184.36	5,890.57	3,330.09	3,256.69	73.40	45.371		
10,500.00	7,630.00	7,671.85	7,549.76	55.15	32.37	-90.03	-184.37	5,890.57	3,336.84	3,262.57	74.27	44.926		
10,600.00	7,630.00	7,672.89	7,550.79	55.14	32.37	-90.05	-184.38	5,890.57	3,346.57	3,271.27	75.30	44.443		
10,700.00	7,630.00	7,673.90	7,551.81	55.18	32.37	-90.07	-184.40	5,890.57	3,359.24	3,282.79	76.46	43.937		
10,800.00	7,630.00	7,674.90	7,552.80	55.28	32.38	-90.08	-184.41	5,890.57	3,374.83	3,297.11	77.72	43.421		
10,900.00	7,630.00	7,675.88	7,553.78	55.47	32.38	-90.10	-184.42	5,890.58	3,393.30	3,314.22	79.08	42.907		
11,000.00	7,630.00	7,676.84	7,554.74	55.74	32.38	-90.12	-184.43	5,890.58	3,414.60	3,334.08	80.52	42.407		
11,100.00	7,630.00	7,677.78	7,555.69	56.11	32.39	-90.13	-184.44	5,890.58	3,438.67	3,356.66	82.01	41.929		
11,200.00	7,630.00	7,678.71	7,556.61	56.60	32.39	-90.15	-184.45	5,890.58	3,465.47	3,381.92	83.55	41.480		
11,300.00	7,630.00	7,679.62	7,557.52	57.20	32.39	-90.16	-184.46	5,890.58	3,494.92	3,409.81	85.10	41.066		
11,400.00	7,630.00	7,680.51	7,558.41	57.91	32.39	-90.18	-184.47	5,890.58	3,526.96	3,440.28	86.68	40.691		
11,500.00	7,630.00	7,681.39	7,559.29	58.72	32.40	-90.19	-184.48	5,890.58	3,561.52	3,473.27	88.25	40.357		
11,600.00	7,630.00	7,682.25	7,560.16	59.63	32.40	-90.21	-184.49	5,890.58	3,598.53	3,508.71	89.81	40.066		
11,700.00	7,630.00	7,683.10	7,561.00	60.61	32.40	-90.22	-184.50	5,890.58	3,637.91	3,546.55	91.36	39.819		
11,800.00	7,630.00	7,683.94	7,561.84	61.67	32.40	-90.24	-184.51	5,890.58	3,679.59	3,586.70	92.88	39.615		
11,900.00	7,630.00	7,684.75	7,562.66	62.78	32.41	-90.25	-184.52	5,890.58	3,723.48	3,629.11	94.38	39.454		
12,000.00	7,630.00	7,685.56	7,563.46	63.95	32.41	-90.27	-184.53	5,890.58	3,769.52	3,673.69	95.83	39.334		
12,100.00	7,630.00	7,686.35	7,564.26	65.16	32.41	-90.28	-184.53	5,890.58	3,817.63	3,720.37	97.25	39.255		
12,200.00	7,630.00	7,687.13	7,565.04	66.41	32.41	-90.29	-184.54	5,890.58	3,867.72	3,769.09	98.63	39.214		
12,300.00	7,630.00	7,687.90	7,565.80	67.68	32.42	-90.31	-184.55	5,890.59	3,919.72	3,819.76	99.96	39.212 SF		
12,400.00	7,630.00	7,688.65	7,566.56	68.99	32.42	-90.32	-184.56	5,890.59	3,973.56	3,872.31	101.25	39.244		
12,500.00	7,630.00	7,689.40	7,567.30	70.33	32.42	-90.33	-184.57	5,890.59	4,029.16	3,926.66	102.49	39.311		
12,600.00	7,630.00	7,690.13	7,568.03	71.68	32.42	-90.35	-184.57	5,890.59	4,086.45	3,982.76	103.69	39.410		
12,700.00	7,630.00	7,690.85	7,568.75	73.06	32.43	-90.36	-184.58	5,890.59	4,145.37	4,040.52	104.84	39.539		
12,800.00	7,630.00	7,691.55	7,569.46	74.45	32.43	-90.37	-184.59	5,890.59	4,205.83	4,099.88	105.95	39.698		
12,900.00	7,630.00	7,692.25	7,570.15	75.87	32.43	-90.38	-184.59	5,890.59	4,267.78	4,160.78	107.01	39.883		
13,000.00	7,630.00	7,692.94	7,570.84	77.29	32.43	-90.39	-184.60	5,890.59	4,331.16	4,223.14	108.02	40.095		
13,100.00	7,630.00	7,693.61	7,571.51	78.74	32.43	-90.41	-184.61	5,890.59	4,395.89	4,286.90	109.00	40.331		
13,200.00	7,630.00	7,694.28	7,572.18	80.19	32.44	-90.42	-184.61	5,890.59	4,461.93	4,352.01	109.93	40.590		
13,300.00	7,630.00	7,694.93	7,572.83	81.66	32.44	-90.43	-184.62	5,890.59	4,529.22	4,418.40	110.82	40.871		
13,400.00	7,630.00	7,704.00	7,581.90	83.14	32.47	-90.58	-184.70	5,890.61	4,597.70	4,486.04	111.66	41.174		
13,500.00	7,630.00	7,704.00	7,581.90	84.63	32.47	-90.58	-184.70	5,890.61	4,667.31	4,554.83	112.48	41.495		
13,600.00	7,630.00	7,704.00	7,581.90	86.14	32.47	-90.58	-184.70	5,890.61	4,738.01	4,624.75	113.26	41.834		
13,700.00	7,630.00	7,704.00	7,581.90	87.65	32.47	-90.58	-184.70	5,890.61	4,809.75	4,695.75	114.00	42.191		
13,800.00	7,630.00	7,704.00	7,581.90	89.17	32.47	-90.58	-184.70	5,890.61	4,882.48	4,767.77	114.71	42.564		
13,900.00	7,630.00	7,704.00	7,581.90	90.70	32.47	-90.58	-184.70	5,890.61	4,956.16	4,840.77	115.39	42.953		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference 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		
14,000.00	7,630.00	7,704.00	7,581.90	92.24	32.47	-90.58	-184.70	5,890.61	5,030.75	4,914.72	116.03	43.356		
14,100.00	7,630.00	7,704.00	7,581.90	93.78	32.47	-90.58	-184.70	5,890.61	5,106.21	4,989.56	116.65	43.773		
14,200.00	7,630.00	7,704.00	7,581.90	95.33	32.47	-90.58	-184.70	5,890.61	5,182.50	5,065.26	117.24	44.204		
14,300.00	7,630.00	7,704.00	7,581.90	96.89	32.47	-90.58	-184.70	5,890.61	5,259.59	5,141.78	117.80	44.647		
14,400.00	7,630.00	7,704.00	7,581.90	98.46	32.47	-90.58	-184.70	5,890.61	5,337.43	5,219.09	118.34	45.101		
14,500.00	7,630.00	7,704.00	7,581.90	100.03	32.47	-90.58	-184.70	5,890.61	5,416.01	5,297.15	118.86	45.567		
14,600.00	7,630.00	7,704.00	7,581.90	101.61	32.47	-90.58	-184.70	5,890.61	5,495.28	5,375.93	119.35	46.044		
14,700.00	7,630.00	7,704.00	7,581.90	103.20	32.47	-90.58	-184.70	5,890.61	5,575.21	5,455.40	119.82	46.530		
14,800.00	7,630.00	7,704.00	7,581.90	104.78	32.47	-90.58	-184.70	5,890.61	5,655.79	5,535.52	120.27	47.026		
14,900.00	7,630.00	7,704.34	7,582.24	106.38	32.47	-90.59	-184.71	5,890.61	5,736.98	5,616.28	120.70	47.531		
15,000.00	7,630.00	7,705.16	7,583.06	107.98	32.47	-90.60	-184.71	5,890.61	5,818.75	5,697.64	121.11	48.045		
15,100.00	7,630.00	7,705.98	7,583.88	109.58	32.47	-90.62	-184.72	5,890.61	5,901.08	5,779.58	121.50	48.567		
15,200.00	7,630.00	7,706.80	7,584.70	111.19	32.47	-90.63	-184.73	5,890.61	5,983.95	5,862.07	121.88	49.096		
15,300.00	7,630.00	7,707.63	7,585.53	112.81	32.48	-90.65	-184.73	5,890.61	6,067.34	5,945.10	122.24	49.633		
15,400.00	7,630.00	7,708.46	7,586.36	114.42	32.48	-90.66	-184.74	5,890.62	6,151.22	6,028.63	122.59	50.177		
15,500.00	7,630.00	7,709.29	7,587.19	116.05	32.48	-90.68	-184.75	5,890.62	6,235.58	6,112.66	122.92	50.728		
15,600.00	7,630.00	7,710.12	7,588.02	117.67	32.48	-90.69	-184.76	5,890.62	6,320.40	6,197.15	123.24	51.285		
15,700.00	7,630.00	7,710.95	7,588.85	119.30	32.49	-90.70	-184.76	5,890.62	6,405.65	6,282.10	123.55	51.848		
15,800.00	7,630.00	7,711.79	7,589.69	120.93	32.49	-90.72	-184.77	5,890.62	6,491.32	6,367.48	123.84	52.417		
15,900.00	7,630.00	7,712.62	7,590.52	122.57	32.49	-90.73	-184.78	5,890.62	6,577.40	6,453.28	124.12	52.991		
16,000.00	7,630.00	7,713.46	7,591.36	124.21	32.49	-90.75	-184.78	5,890.62	6,663.86	6,539.47	124.39	53.571		
16,100.00	7,630.00	7,714.30	7,592.20	125.85	32.50	-90.76	-184.79	5,890.63	6,750.70	6,626.05	124.65	54.156		
16,200.00	7,630.00	7,715.14	7,593.04	127.50	32.50	-90.78	-184.80	5,890.63	6,837.90	6,713.00	124.90	54.745		
16,300.00	7,630.00	7,715.98	7,593.88	129.15	32.50	-90.79	-184.81	5,890.63	6,925.45	6,800.30	125.14	55.339		
16,400.00	7,630.00	7,716.83	7,594.73	130.80	32.50	-90.81	-184.81	5,890.63	7,013.33	6,887.95	125.38	55.938		
16,500.00	7,630.00	7,717.67	7,595.58	132.46	32.51	-90.82	-184.82	5,890.63	7,101.53	6,975.93	125.60	56.541		
16,600.00	7,630.00	7,718.52	7,596.42	134.11	32.51	-90.83	-184.83	5,890.63	7,190.03	7,064.22	125.82	57.147		
16,700.00	7,630.00	7,719.37	7,597.27	135.77	32.51	-90.85	-184.84	5,890.64	7,278.84	7,152.82	126.02	57.758		
16,800.00	7,630.00	7,720.22	7,598.12	137.43	32.52	-90.86	-184.84	5,890.64	7,367.93	7,241.71	126.22	58.372		
16,900.00	7,630.00	7,721.08	7,598.98	139.10	32.52	-90.88	-184.85	5,890.64	7,457.30	7,330.88	126.42	58.990		
17,000.00	7,630.00	7,721.93	7,599.83	140.77	32.52	-90.89	-184.86	5,890.64	7,546.93	7,420.33	126.60	59.611		
17,100.00	7,630.00	7,722.79	7,600.69	142.44	32.52	-90.91	-184.87	5,890.64	7,636.83	7,510.04	126.78	60.235		
17,200.00	7,630.00	7,723.65	7,601.55	144.11	32.53	-90.92	-184.87	5,890.65	7,726.97	7,600.01	126.96	60.862		
17,300.00	7,630.00	7,724.51	7,602.41	145.78	32.53	-90.94	-184.88	5,890.65	7,817.35	7,690.22	127.13	61.492		
17,400.00	7,630.00	7,725.37	7,603.27	147.46	32.53	-90.95	-184.89	5,890.65	7,907.96	7,780.67	127.29	62.125		
17,500.00	7,630.00	7,726.23	7,604.13	149.13	32.53	-90.97	-184.90	5,890.65	7,998.80	7,871.35	127.45	62.761		
17,600.00	7,630.00	7,727.10	7,605.00	150.81	32.54	-90.98	-184.90	5,890.65	8,089.85	7,962.25	127.60	63.400		
17,700.00	7,630.00	7,727.97	7,605.87	152.49	32.54	-91.00	-184.91	5,890.66	8,181.11	8,053.36	127.75	64.040		
17,800.00	7,630.00	7,728.84	7,606.74	154.18	32.54	-91.01	-184.92	5,890.66	8,272.57	8,144.68	127.89	64.684		
17,900.00	7,630.00	7,729.71	7,607.61	155.86	32.54	-91.03	-184.93	5,890.66	8,364.23	8,236.20	128.03	65.329		
18,000.00	7,630.00	7,730.58	7,608.48	157.55	32.55	-91.04	-184.93	5,890.66	8,456.07	8,327.91	128.17	65.977		
18,100.00	7,630.00	7,731.46	7,609.36	159.24	32.55	-91.06	-184.94	5,890.66	8,548.10	8,419.80	128.30	66.626		
18,200.00	7,630.00	7,732.33	7,610.23	160.92	32.55	-91.07	-184.95	5,890.67	8,640.31	8,511.88	128.43	67.278		
18,300.00	7,630.00	7,733.21	7,611.11	162.62	32.55	-91.09	-184.96	5,890.67	8,732.69	8,604.14	128.55	67.932		
18,400.00	7,630.00	7,734.09	7,611.99	164.31	32.56	-91.10	-184.97	5,890.67	8,825.23	8,696.56	128.67	68.587		
18,458.39	7,630.00	7,734.60	7,612.50	165.30	32.56	-91.11	-184.97	5,890.67	8,879.35	8,750.61	128.74	68.971		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	82.03	761.60	5,442.52	5,496.18					
100.00	100.00	52.48	52.48	0.13	0.09	82.03	761.61	5,442.35	5,495.50	5,495.28	0.22	N/A		
200.00	200.00	177.02	177.01	0.49	0.36	82.03	761.81	5,440.76	5,494.16	5,493.30	0.86	6,425.284		
300.00	300.00	230.00	229.98	0.85	0.55	82.02	762.33	5,440.33	5,493.50	5,492.10	1.40	3,923.310		
400.00	400.00	327.65	327.60	1.21	0.90	82.00	764.72	5,439.78	5,493.28	5,491.18	2.11	2,609.451		
428.24	428.24	345.31	345.24	1.31	0.96	81.99	765.46	5,439.67	5,493.26	5,490.99	2.27	2,419.435		
500.00	500.00	395.01	394.86	1.57	1.14	81.96	768.30	5,439.37	5,493.41	5,490.70	2.71	2,029.363		
600.00	600.00	460.27	459.90	1.93	1.38	81.90	773.65	5,439.08	5,494.12	5,490.81	3.31	1,661.679		
700.00	700.00	1,106.23	1,093.70	2.29	4.25	80.68	886.20	5,398.16	5,491.15	5,484.64	6.51	843.354		
800.00	800.00	1,189.65	1,174.48	2.64	4.68	80.47	904.43	5,388.14	5,482.64	5,475.35	7.29	752.004		
900.00	900.00	1,284.78	1,266.94	3.00	5.17	80.25	923.87	5,377.05	5,474.36	5,466.24	8.12	673.823		
1,000.00	1,000.00	1,323.26	1,304.42	3.36	5.36	80.16	931.48	5,372.86	5,466.75	5,458.07	8.68	630.167		
1,100.00	1,100.00	1,371.00	1,350.95	3.72	5.61	80.06	941.06	5,368.11	5,460.20	5,450.93	9.27	588.866		
1,200.00	1,199.98	1,427.49	1,405.94	4.07	5.90	28.93	952.91	5,362.89	5,453.02	5,443.11	9.92	549.827		
1,300.00	1,299.84	1,536.07	1,511.13	4.43	6.47	28.78	977.85	5,352.91	5,443.32	5,432.48	10.84	502.109		
1,400.00	1,399.45	1,665.36	1,635.72	4.79	7.18	28.60	1,009.77	5,339.70	5,429.91	5,418.01	11.90	456.339		
1,500.00	1,498.70	1,731.31	1,699.46	5.15	7.54	28.62	1,025.40	5,333.14	5,413.67	5,401.06	12.61	429.225		
1,600.00	1,597.47	1,837.70	1,802.77	5.53	8.11	28.63	1,048.74	5,323.17	5,394.74	5,381.21	13.53	398.815		
1,700.00	1,695.62	1,925.81	1,888.69	5.93	8.55	28.72	1,066.52	5,315.13	5,372.77	5,358.43	14.33	374.883		
1,800.00	1,793.06	1,989.07	1,950.57	6.35	8.87	28.90	1,078.55	5,309.72	5,348.20	5,333.18	15.01	356.273		
1,900.00	1,889.64	2,090.47	2,049.52	6.79	9.39	29.07	1,099.04	5,301.34	5,321.17	5,305.27	15.90	334.744		
2,000.00	1,985.27	2,312.69	2,265.23	7.27	10.56	29.16	1,147.42	5,278.85	5,289.66	5,272.24	17.42	303.652		
2,100.00	2,079.82	2,399.93	2,350.35	7.79	11.01	29.48	1,164.10	5,269.54	5,254.41	5,236.17	18.24	288.049		
2,200.00	2,173.17	2,461.88	2,410.88	8.36	11.32	29.86	1,175.62	5,263.19	5,216.64	5,197.69	18.95	275.277		
2,300.00	2,265.21	2,521.40	2,468.93	8.97	11.62	30.29	1,187.39	5,257.31	5,176.62	5,156.95	19.67	263.229		
2,400.00	2,355.84	2,586.00	2,531.82	9.64	11.96	30.76	1,200.82	5,251.26	5,134.44	5,114.02	20.43	251.373		
2,500.00	2,444.94	2,721.89	2,663.89	10.36	12.67	31.28	1,229.98	5,237.98	5,089.39	5,067.83	21.56	236.082		
2,591.69	2,525.19	2,831.72	2,770.61	11.07	13.25	31.85	1,253.19	5,226.42	5,045.08	5,022.55	22.53	223.879		
2,600.00	2,532.40	2,841.49	2,780.09	11.14	13.31	31.86	1,255.30	5,225.36	5,040.95	5,018.32	22.63	222.797		
2,700.00	2,619.15	2,920.71	2,856.86	11.96	13.74	31.88	1,272.77	5,216.59	4,991.14	4,967.63	23.51	212.296		
2,800.00	2,705.89	2,983.13	2,917.21	12.81	14.08	31.90	1,287.17	5,209.80	4,941.65	4,917.31	24.34	203.067		
2,900.00	2,792.64	3,037.33	2,969.43	13.67	14.39	31.90	1,300.52	5,204.09	4,892.70	4,867.56	25.14	194.616		
3,000.00	2,879.39	3,102.56	3,032.08	14.55	14.76	31.89	1,317.44	5,197.46	4,844.27	4,818.25	26.02	186.172		
3,100.00	2,966.14	3,195.89	3,121.70	15.44	15.30	31.87	1,341.77	5,188.21	4,796.09	4,769.03	27.06	177.262		
3,200.00	3,052.88	3,318.23	3,239.16	16.34	16.01	31.85	1,373.51	5,175.37	4,747.37	4,719.13	28.24	168.079		
3,300.00	3,139.63	3,395.60	3,313.36	17.25	16.47	31.83	1,393.74	5,166.98	4,698.41	4,669.19	29.22	160.812		
3,400.00	3,226.38	3,400.00	3,416.47	18.17	16.49	31.80	1,422.43	5,155.10	4,649.34	4,619.60	29.74	156.321		
3,500.00	3,313.12	3,611.78	3,520.19	19.09	17.76	31.76	1,451.60	5,142.41	4,599.71	4,568.22	31.49	146.059		
3,600.00	3,399.87	3,675.82	3,581.61	20.02	18.13	31.75	1,468.24	5,135.16	4,550.31	4,517.90	32.41	140.389		
3,700.00	3,486.62	3,741.91	3,645.41	20.96	18.50	31.75	1,484.07	5,128.28	4,501.36	4,468.01	33.34	135.002		
3,800.00	3,573.37	3,822.83	3,723.49	21.90	18.96	31.76	1,503.70	5,120.15	4,452.75	4,418.41	34.34	129.663		
3,900.00	3,660.11	3,952.64	3,848.41	22.84	19.70	31.75	1,536.06	5,106.09	4,403.55	4,368.00	35.56	123.845		
4,000.00	3,746.86	4,046.71	3,939.47	23.78	20.22	31.78	1,557.34	5,095.85	4,353.97	4,317.36	36.60	118.946		
4,100.00	3,833.61	4,122.16	4,012.62	24.73	20.63	31.81	1,573.94	5,087.72	4,304.40	4,266.83	37.57	114.572		
4,200.00	3,920.35	4,189.85	4,078.51	25.68	20.98	31.85	1,587.84	5,080.95	4,255.23	4,216.73	38.50	110.514		
4,300.00	4,007.10	4,298.57	4,184.60	26.63	21.54	31.94	1,609.10	5,070.32	4,206.13	4,166.56	39.58	106.281		
4,400.00	4,093.85	4,463.81	4,345.35	27.59	22.40	32.06	1,642.44	5,051.60	4,155.71	4,114.87	40.84	101.759		
4,500.00	4,180.60	4,506.66	4,387.01	28.55	22.63	32.09	1,651.18	5,046.61	4,105.11	4,063.41	41.70	98.444		
4,600.00	4,267.34	4,555.00	4,434.14	29.50	22.88	32.14	1,660.63	5,041.55	4,055.40	4,012.81	42.59	95.227		
4,700.00	4,354.09	4,586.97	4,465.43	30.46	23.03	32.17	1,666.52	5,038.65	4,006.68	3,963.26	43.41	92.289		
4,800.00	4,440.84	4,621.67	4,499.52	31.42	23.19	32.22	1,672.44	5,036.04	3,959.12	3,914.87	44.26	89.457		
4,900.00	4,527.58	4,714.00	4,590.67	32.39	23.60	32.39	1,686.07	5,030.55	3,912.61	3,867.36	45.25	86.468		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,614.33	4,802.79	4,678.61	33.35	23.96	32.60	1,696.92	5,024.92	3,865.36	3,819.15	46.21	83.644		
5,100.00	4,701.08	4,870.02	4,745.41	34.31	24.22	32.78	1,703.54	5,021.28	3,818.58	3,771.46	47.12	81.037		
5,200.00	4,787.82	4,940.05	4,815.11	35.28	24.47	33.00	1,709.52	5,018.02	3,772.32	3,724.28	48.03	78.533		
5,300.00	4,874.57	5,035.59	4,910.34	36.25	24.80	33.33	1,716.00	5,013.94	3,726.20	3,677.21	48.99	76.062		
5,400.00	4,961.32	5,083.27	4,957.93	37.21	24.95	33.51	1,718.49	5,012.31	3,680.60	3,630.74	49.86	73.818		
5,500.00	5,048.07	5,153.07	5,027.66	38.18	25.15	33.80	1,721.10	5,010.62	3,635.82	3,585.06	50.77	71.620		
5,600.00	5,134.81	5,235.46	5,110.02	39.15	25.36	34.20	1,721.20	5,009.13	3,591.24	3,539.56	51.68	69.489		
5,700.00	5,221.56	5,305.00	5,179.55	40.12	25.52	34.57	1,719.87	5,008.40	3,547.20	3,494.62	52.58	67.463		
5,800.00	5,308.31	5,398.99	5,273.51	41.09	25.73	35.09	1,717.65	5,007.59	3,503.49	3,449.98	53.51	65.473		
5,900.00	5,395.05	5,514.39	5,388.86	42.06	25.99	35.74	1,714.96	5,005.70	3,459.30	3,404.83	54.48	63.502		
6,000.00	5,481.80	5,590.80	5,465.24	43.03	26.17	36.18	1,713.23	5,004.30	3,415.22	3,359.80	55.42	61.621		
6,100.00	5,568.55	5,660.68	5,535.10	44.00	26.34	36.59	1,712.00	5,003.25	3,371.69	3,315.31	56.38	59.800		
6,200.00	5,655.30	5,734.10	5,608.51	44.97	26.52	37.01	1,711.14	5,002.41	3,328.75	3,271.39	57.36	58.033		
6,300.00	5,742.04	5,816.21	5,690.61	45.94	26.72	37.50	1,710.40	5,001.68	3,286.30	3,227.94	58.36	56.309		
6,400.00	5,828.79	5,897.80	5,772.20	46.92	26.92	37.99	1,709.78	5,000.96	3,244.10	3,184.72	59.38	54.633		
6,500.00	5,915.54	5,974.53	5,848.93	47.89	27.12	38.46	1,709.48	5,000.51	3,202.43	3,142.02	60.41	53.012		
6,600.00	6,002.28	6,065.04	5,939.43	48.86	27.36	39.02	1,709.27	4,999.98	3,161.02	3,099.55	61.47	51.422		
6,700.00	6,089.03	6,145.19	6,019.59	49.83	27.57	39.52	1,709.32	4,999.55	3,119.92	3,057.38	62.54	49.886		
6,800.00	6,175.78	6,232.16	6,106.55	50.81	27.81	40.08	1,709.65	4,999.15	3,079.18	3,015.54	63.64	48.386		
6,900.00	6,262.53	6,309.61	6,184.01	51.78	28.02	40.58	1,710.09	4,998.89	3,038.82	2,974.08	64.74	46.938		
7,000.00	6,349.27	6,384.18	6,258.57	52.76	28.23	41.07	1,710.49	4,998.90	2,999.05	2,933.20	65.85	45.542		
7,100.00	6,436.02	6,468.44	6,342.83	53.73	28.45	41.65	1,710.47	4,999.24	2,959.90	2,892.90	66.99	44.183		
7,200.00	6,522.77	6,558.92	6,433.31	54.71	28.69	42.29	1,710.50	4,999.44	2,920.89	2,852.74	68.15	42.858		
7,300.00	6,609.51	6,649.19	6,523.58	55.68	28.93	42.94	1,710.38	4,999.66	2,882.24	2,812.91	69.33	41.572		
7,400.00	6,696.26	6,744.36	6,618.75	56.66	29.19	43.65	1,710.16	4,999.55	2,843.60	2,773.07	70.54	40.313		
7,500.00	6,783.01	6,831.52	6,705.91	57.63	29.43	44.31	1,710.06	4,999.40	2,805.29	2,733.53	71.76	39.095		
7,600.00	6,869.76	6,921.89	6,796.28	58.61	29.68	45.02	1,710.04	4,999.12	2,767.22	2,694.22	73.00	37.908		
7,683.49	6,942.18	6,993.89	6,868.28	59.42	29.88	45.59	1,710.00	4,998.88	2,735.71	2,661.66	74.05	36.944		
7,700.00	6,956.57	7,008.29	6,882.68	59.58	29.92	42.61	1,709.98	4,998.83	2,729.47	2,655.22	74.25	36.758		
7,750.00	7,000.85	7,052.62	6,927.01	60.04	30.04	32.46	1,709.95	4,998.68	2,710.19	2,635.38	74.82	36.224		
7,800.00	7,045.94	7,097.53	6,971.92	60.46	30.17	20.70	1,709.93	4,998.53	2,690.39	2,615.11	75.29	35.735		
7,850.00	7,091.49	7,142.52	7,016.91	60.84	30.29	7.72	1,709.95	4,998.38	2,670.20	2,594.54	75.66	35.293		
7,900.00	7,137.15	7,189.05	7,063.43	61.17	30.43	-5.70	1,710.02	4,998.24	2,649.73	2,573.80	75.93	34.898		
7,950.00	7,182.58	7,238.90	7,113.28	61.44	30.57	-18.67	1,710.15	4,998.03	2,629.08	2,552.98	76.09	34.550		
8,000.00	7,227.43	7,287.46	7,161.85	61.67	30.71	-30.51	1,710.31	4,997.74	2,608.42	2,532.26	76.15	34.252		
8,050.00	7,271.36	7,334.18	7,208.56	61.84	30.85	-40.92	1,710.46	4,997.41	2,587.96	2,511.85	76.11	34.003		
8,100.00	7,314.04	7,378.88	7,253.26	61.96	30.98	-49.90	1,710.58	4,997.05	2,567.93	2,491.97	75.96	33.806		
8,150.00	7,355.14	7,420.97	7,295.35	62.04	31.10	-57.61	1,710.72	4,996.68	2,548.59	2,472.88	75.71	33.660		
8,200.00	7,394.34	7,461.05	7,335.43	62.07	31.22	-64.23	1,710.89	4,996.31	2,530.21	2,454.83	75.38	33.568		
8,250.00	7,431.36	7,498.80	7,373.18	62.06	31.33	-69.91	1,711.08	4,995.95	2,513.03	2,438.09	74.95	33.530 SF		
8,300.00	7,465.90	7,533.94	7,408.32	62.01	31.44	-74.77	1,711.28	4,995.59	2,497.34	2,422.89	74.45	33.546		
8,350.00	7,497.71	7,566.21	7,440.58	61.93	31.53	-78.91	1,711.49	4,995.26	2,483.37	2,409.50	73.87	33.616		
8,400.00	7,526.53	7,587.86	7,462.23	61.81	31.60	-82.24	1,711.60	4,995.09	2,471.46	2,398.21	73.25	33.739		
8,450.00	7,552.17	7,609.76	7,484.13	61.66	31.66	-85.01	1,711.70	4,994.93	2,461.79	2,389.20	72.59	33.913		
8,500.00	7,574.41	7,628.81	7,503.18	61.48	31.72	-87.22	1,711.78	4,994.83	2,454.56	2,382.66	71.90	34.137		
8,550.00	7,593.09	7,644.96	7,519.33	61.29	31.77	-88.88	1,711.83	4,994.75	2,449.93	2,378.72	71.21	34.406		
8,600.00	7,608.07	7,658.30	7,532.67	61.07	31.81	-90.02	1,711.88	4,994.70	2,448.01	2,377.50	70.52	34.716 ES		
8,609.48	7,610.48	7,660.45	7,534.82	61.03	31.81	-90.18	1,711.88	4,994.70	2,447.96	2,377.57	70.39	34.778 CC		
8,650.00	7,619.23	7,668.21	7,542.58	60.84	31.84	-90.64	1,711.91	4,994.67	2,448.89	2,379.04	69.85	35.062		
8,700.00	7,626.48	7,674.61	7,548.98	60.60	31.85	-90.76	1,711.93	4,994.65	2,452.59	2,383.39	69.21	35.437		
8,750.00	7,629.78	7,677.43	7,551.80	60.35	31.86	-90.36	1,711.94	4,994.64	2,459.12	2,390.50	68.62	35.837		
8,766.45	7,630.00	7,677.58	7,551.95	60.27	31.86	-90.12	1,711.94	4,994.64	2,461.88	2,393.44	68.44	35.973		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
8,800.00	7,630.00	7,677.48	7,551.85	60.10	31.86	-90.11	1,711.94	4,994.64	2,468.02	2,399.94	68.09	36.249		
8,900.00	7,630.00	7,677.19	7,551.55	59.61	31.86	-90.11	1,711.94	4,994.65	2,488.94	2,421.71	67.23	37.023		
9,000.00	7,630.00	7,676.89	7,551.26	59.15	31.86	-90.10	1,711.94	4,994.65	2,513.66	2,447.00	66.66	37.709		
9,100.00	7,630.00	7,676.60	7,550.97	58.71	31.86	-90.09	1,711.93	4,994.65	2,542.07	2,475.68	66.39	38.292		
9,200.00	7,630.00	7,676.31	7,550.67	58.30	31.86	-90.09	1,711.93	4,994.65	2,574.06	2,507.66	66.40	38.767		
9,300.00	7,630.00	7,676.01	7,550.38	57.91	31.86	-90.08	1,711.93	4,994.65	2,609.49	2,542.81	66.68	39.137		
9,400.00	7,630.00	7,675.72	7,550.09	57.54	31.86	-90.07	1,711.93	4,994.65	2,648.23	2,581.03	67.19	39.413		
9,500.00	7,630.00	7,675.43	7,549.80	57.19	31.86	-90.07	1,711.93	4,994.65	2,690.12	2,622.21	67.91	39.614		
9,600.00	7,630.00	7,675.13	7,549.50	56.87	31.86	-90.06	1,711.93	4,994.65	2,735.03	2,666.24	68.79	39.758		
9,700.00	7,630.00	7,674.84	7,549.21	56.57	31.86	-90.05	1,711.93	4,994.65	2,782.82	2,713.01	69.81	39.864		
9,800.00	7,630.00	7,674.55	7,548.92	56.30	31.85	-90.05	1,711.93	4,994.65	2,833.32	2,762.40	70.92	39.950		
9,900.00	7,630.00	7,674.26	7,548.63	56.05	31.85	-90.04	1,711.93	4,994.65	2,886.41	2,814.31	72.10	40.031		
10,000.00	7,630.00	7,673.97	7,548.34	55.82	31.85	-90.03	1,711.93	4,994.65	2,941.95	2,868.61	73.33	40.118		
10,100.00	7,630.00	7,673.68	7,548.04	55.63	31.85	-90.02	1,711.93	4,994.65	2,999.78	2,925.20	74.58	40.220		
10,200.00	7,630.00	7,673.38	7,547.75	55.46	31.85	-90.02	1,711.92	4,994.66	3,059.80	2,983.95	75.84	40.344		
10,300.00	7,630.00	7,673.09	7,547.46	55.32	31.85	-90.01	1,711.92	4,994.66	3,121.86	3,044.76	77.10	40.493		
10,400.00	7,630.00	7,672.80	7,547.17	55.22	31.85	-90.00	1,711.92	4,994.66	3,185.85	3,107.52	78.33	40.670		
10,500.00	7,630.00	7,672.51	7,546.88	55.15	31.85	-90.00	1,711.92	4,994.66	3,251.66	3,172.12	79.55	40.877		
10,600.00	7,630.00	7,672.22	7,546.59	55.14	31.85	-89.99	1,711.92	4,994.66	3,319.18	3,238.45	80.73	41.114		
10,700.00	7,630.00	7,671.93	7,546.30	55.18	31.85	-89.98	1,711.92	4,994.66	3,388.31	3,306.43	81.88	41.380		
10,800.00	7,630.00	7,671.64	7,546.01	55.28	31.85	-89.98	1,711.92	4,994.66	3,458.94	3,375.95	83.00	41.676		
10,900.00	7,630.00	7,671.35	7,545.72	55.47	31.84	-89.97	1,711.92	4,994.66	3,531.00	3,446.93	84.07	42.001		
11,000.00	7,630.00	7,671.06	7,545.43	55.74	31.84	-89.96	1,711.92	4,994.66	3,604.39	3,519.28	85.11	42.352		
11,100.00	7,630.00	7,670.77	7,545.14	56.11	31.84	-89.96	1,711.92	4,994.66	3,679.03	3,592.93	86.10	42.729		
11,200.00	7,630.00	7,670.48	7,544.85	56.60	31.84	-89.95	1,711.91	4,994.66	3,754.85	3,667.79	87.06	43.131		
11,300.00	7,630.00	7,670.20	7,544.56	57.20	31.84	-89.94	1,711.91	4,994.66	3,831.78	3,743.81	87.97	43.556		
11,400.00	7,630.00	7,669.91	7,544.28	57.91	31.84	-89.94	1,711.91	4,994.67	3,909.76	3,820.91	88.85	44.002		
11,500.00	7,630.00	7,669.62	7,543.99	58.72	31.84	-89.93	1,711.91	4,994.67	3,988.72	3,899.02	89.70	44.469		
11,600.00	7,630.00	7,669.33	7,543.70	59.63	31.84	-89.92	1,711.91	4,994.67	4,068.60	3,978.10	90.50	44.955		
11,700.00	7,630.00	7,669.04	7,543.41	60.61	31.84	-89.92	1,711.91	4,994.67	4,149.36	4,058.08	91.28	45.459		
11,800.00	7,630.00	7,668.75	7,543.12	61.67	31.84	-89.91	1,711.91	4,994.67	4,230.94	4,138.92	92.02	45.981		
11,900.00	7,630.00	7,668.47	7,542.84	62.78	31.84	-89.90	1,711.91	4,994.67	4,313.29	4,220.57	92.72	46.518		
12,000.00	7,630.00	7,668.18	7,542.55	63.95	31.84	-89.89	1,711.91	4,994.67	4,396.38	4,302.98	93.40	47.069		
12,100.00	7,630.00	7,667.89	7,542.26	65.16	31.83	-89.89	1,711.91	4,994.67	4,480.16	4,386.10	94.05	47.635		
12,200.00	7,630.00	7,667.60	7,541.97	66.41	31.83	-89.88	1,711.91	4,994.67	4,564.59	4,469.91	94.67	48.214		
12,300.00	7,630.00	7,667.32	7,541.69	67.68	31.83	-89.87	1,711.90	4,994.67	4,649.63	4,554.37	95.27	48.805		
12,400.00	7,630.00	7,667.03	7,541.40	68.99	31.83	-89.87	1,711.90	4,994.67	4,735.27	4,639.43	95.84	49.408		
12,500.00	7,630.00	7,666.74	7,541.11	70.33	31.83	-89.86	1,711.90	4,994.68	4,821.45	4,725.06	96.39	50.021		
12,600.00	7,630.00	7,666.46	7,540.83	71.68	31.83	-89.85	1,711.90	4,994.68	4,908.16	4,811.25	96.91	50.645		
12,700.00	7,630.00	7,666.17	7,540.54	73.06	31.83	-89.85	1,711.90	4,994.68	4,995.37	4,897.95	97.42	51.278		
12,800.00	7,630.00	7,665.89	7,540.25	74.45	31.83	-89.84	1,711.90	4,994.68	5,083.05	4,985.15	97.90	51.920		
12,900.00	7,630.00	7,665.60	7,539.97	75.87	31.83	-89.83	1,711.90	4,994.68	5,171.17	5,072.81	98.37	52.571		
13,000.00	7,630.00	7,665.31	7,539.68	77.29	31.83	-89.83	1,711.90	4,994.68	5,259.72	5,160.91	98.81	53.230		
13,100.00	7,630.00	7,665.03	7,539.40	78.74	31.83	-89.82	1,711.90	4,994.68	5,348.67	5,249.43	99.24	53.896		
13,200.00	7,630.00	7,664.74	7,539.11	80.19	31.83	-89.81	1,711.90	4,994.68	5,438.01	5,338.36	99.65	54.569		
13,300.00	7,630.00	7,664.46	7,538.83	81.66	31.82	-89.81	1,711.90	4,994.68	5,527.71	5,427.66	100.05	55.249		
13,400.00	7,630.00	7,664.17	7,538.54	83.14	31.82	-89.80	1,711.89	4,994.68	5,617.76	5,517.33	100.43	55.935		
13,500.00	7,630.00	7,663.89	7,538.26	84.63	31.82	-89.79	1,711.89	4,994.68	5,708.14	5,607.34	100.80	56.627		
13,600.00	7,630.00	7,663.61	7,537.97	86.14	31.82	-89.79	1,711.89	4,994.69	5,798.84	5,697.68	101.16	57.325		
13,700.00	7,630.00	7,663.32	7,537.69	87.65	31.82	-89.78	1,711.89	4,994.69	5,889.84	5,788.34	101.50	58.027		
13,800.00	7,630.00	7,663.04	7,537.41	89.17	31.82	-89.77	1,711.89	4,994.69	5,981.13	5,879.29	101.83	58.735		
13,900.00	7,630.00	7,662.75	7,537.12	90.70	31.82	-89.77	1,711.89	4,994.69	6,072.69	5,970.53	102.15	59.448		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
14,000.00	7,630.00	7,662.47	7,536.84	92.24	31.82	-89.76	1,711.89	4,994.69	6,164.51	6,062.05	102.46	60.165		
14,100.00	7,630.00	7,662.19	7,536.56	93.78	31.82	-89.75	1,711.89	4,994.69	6,256.58	6,153.82	102.76	60.887		
14,200.00	7,630.00	7,661.90	7,536.27	95.33	31.82	-89.75	1,711.89	4,994.69	6,348.89	6,245.85	103.05	61.612		
14,300.00	7,630.00	7,661.62	7,535.99	96.89	31.82	-89.74	1,711.89	4,994.69	6,441.44	6,338.11	103.33	62.341		
14,400.00	7,630.00	7,661.34	7,535.71	98.46	31.82	-89.73	1,711.89	4,994.69	6,534.20	6,430.60	103.60	63.074		
14,500.00	7,630.00	7,661.06	7,535.42	100.03	31.81	-89.73	1,711.88	4,994.69	6,627.17	6,523.32	103.86	63.811		
14,600.00	7,630.00	7,660.77	7,535.14	101.61	31.81	-89.72	1,711.88	4,994.69	6,720.35	6,616.24	104.11	64.550		
14,700.00	7,630.00	7,660.49	7,534.86	103.20	31.81	-89.71	1,711.88	4,994.70	6,813.71	6,709.36	104.36	65.293		
14,800.00	7,630.00	7,660.21	7,534.58	104.78	31.81	-89.71	1,711.88	4,994.70	6,907.27	6,802.67	104.59	66.038		
14,900.00	7,630.00	7,659.93	7,534.30	106.38	31.81	-89.70	1,711.88	4,994.70	7,001.00	6,896.17	104.83	66.787		
15,000.00	7,630.00	7,659.65	7,534.01	107.98	31.81	-89.69	1,711.88	4,994.70	7,094.90	6,989.85	105.05	67.537		
15,100.00	7,630.00	7,659.36	7,533.73	109.58	31.81	-89.69	1,711.88	4,994.70	7,188.97	7,083.70	105.27	68.291		
15,200.00	7,630.00	7,659.08	7,533.45	111.19	31.81	-89.68	1,711.88	4,994.70	7,283.20	7,177.71	105.48	69.047		
15,300.00	7,630.00	7,658.80	7,533.17	112.81	31.81	-89.67	1,711.88	4,994.70	7,377.57	7,271.88	105.69	69.805		
15,400.00	7,630.00	7,658.52	7,532.89	114.42	31.81	-89.67	1,711.88	4,994.70	7,472.10	7,366.21	105.89	70.565		
15,500.00	7,630.00	7,658.24	7,532.61	116.05	31.81	-89.66	1,711.88	4,994.70	7,566.76	7,460.68	106.09	71.327		
15,600.00	7,630.00	7,657.96	7,532.33	117.67	31.81	-89.65	1,711.87	4,994.70	7,661.56	7,555.29	106.28	72.091		
15,700.00	7,630.00	7,657.68	7,532.05	119.30	31.80	-89.65	1,711.87	4,994.70	7,756.49	7,650.03	106.46	72.857		
15,800.00	7,630.00	7,657.40	7,531.77	120.93	31.80	-89.64	1,711.87	4,994.71	7,851.55	7,744.91	106.64	73.625		
15,900.00	7,630.00	7,657.12	7,531.49	122.57	31.80	-89.63	1,711.87	4,994.71	7,946.73	7,839.91	106.82	74.394		
16,000.00	7,630.00	7,656.84	7,531.21	124.21	31.80	-89.63	1,711.87	4,994.71	8,042.02	7,935.03	106.99	75.165		
16,100.00	7,630.00	7,656.56	7,530.93	125.85	31.80	-89.62	1,711.87	4,994.71	8,137.43	8,030.27	107.16	75.937		
16,200.00	7,630.00	7,656.28	7,530.65	127.50	31.80	-89.61	1,711.87	4,994.71	8,232.95	8,125.62	107.32	76.711		
16,300.00	7,630.00	7,656.00	7,530.37	129.15	31.80	-89.61	1,711.87	4,994.71	8,328.57	8,221.08	107.48	77.486		
16,400.00	7,630.00	7,655.72	7,530.09	130.80	31.80	-89.60	1,711.87	4,994.71	8,424.29	8,316.65	107.64	78.262		
16,500.00	7,630.00	7,655.44	7,529.81	132.46	31.81	-89.60	1,711.87	4,994.70	8,520.11	8,412.31	107.80	79.037		
16,600.00	7,630.00	7,655.16	7,529.53	134.11	31.81	-89.60	1,711.87	4,994.70	8,616.03	8,508.08	107.95	79.816		
16,700.00	7,630.00	7,654.88	7,529.25	135.77	31.81	-89.60	1,711.87	4,994.70	8,712.04	8,603.94	108.10	80.595		
16,800.00	7,630.00	7,654.60	7,528.97	137.43	31.81	-89.60	1,711.87	4,994.70	8,808.13	8,699.89	108.24	81.376		
16,900.00	7,630.00	7,654.32	7,528.69	139.10	31.81	-89.60	1,711.87	4,994.71	8,904.32	8,795.94	108.38	82.157		
17,000.00	7,630.00	7,654.04	7,528.41	140.77	31.81	-89.60	1,711.87	4,994.71	9,000.58	8,892.06	108.52	82.940		
17,100.00	7,630.00	7,653.76	7,528.13	142.44	31.81	-89.60	1,711.87	4,994.71	9,096.93	8,988.28	108.65	83.723		
17,200.00	7,630.00	7,653.48	7,527.85	144.11	31.80	-89.60	1,711.87	4,994.71	9,193.36	9,084.57	108.79	84.507		
17,300.00	7,630.00	7,653.20	7,527.57	145.78	31.80	-89.60	1,711.87	4,994.71	9,289.86	9,180.94	108.92	85.292		
17,400.00	7,630.00	7,652.92	7,527.29	147.46	31.80	-89.60	1,711.87	4,994.71	9,386.43	9,277.38	109.05	86.077		
17,500.00	7,630.00	7,652.64	7,527.01	149.13	31.80	-89.60	1,711.87	4,994.71	9,483.08	9,373.90	109.17	86.864		
17,600.00	7,630.00	7,652.36	7,526.73	150.81	31.80	-89.60	1,711.87	4,994.71	9,579.79	9,470.49	109.30	87.650		
17,700.00	7,630.00	7,652.08	7,526.45	152.49	31.80	-89.60	1,711.86	4,994.71	9,676.57	9,567.15	109.42	88.438		
17,800.00	7,630.00	7,651.80	7,526.17	154.18	31.80	-89.60	1,711.86	4,994.71	9,773.42	9,663.88	109.54	89.225		
17,900.00	7,630.00	7,651.52	7,525.89	155.86	31.80	-89.59	1,711.86	4,994.72	9,870.32	9,760.67	109.65	90.014		
18,000.00	7,630.00	7,651.24	7,525.61	157.55	31.80	-89.58	1,711.86	4,994.72	9,967.29	9,857.53	109.77	90.802		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference 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		
0.00	0.00	0.00	0.00	0.00	0.00	81.92	776.17	5,467.72	5,523.16					
100.00	100.00	0.00	0.00	0.13	0.00	81.92	776.17	5,467.72	5,522.56	5,522.43	0.13	N/A		
200.00	200.00	65.75	65.75	0.49	0.11	81.92	776.49	5,467.98	5,523.08	5,522.48	0.60	9,190.813		
300.00	300.00	138.00	137.98	0.85	0.23	81.91	777.56	5,468.88	5,524.45	5,523.37	1.08	5,130.167		
400.00	400.00	138.00	137.98	1.21	0.23	81.91	777.56	5,468.88	5,526.78	5,525.34	1.44	3,843.035		
500.00	500.00	198.56	198.50	1.57	0.45	81.89	779.28	5,470.44	5,529.98	5,527.97	2.01	2,744.830		
600.00	600.00	229.00	228.89	1.93	0.56	81.88	780.53	5,471.63	5,534.53	5,532.04	2.48	2,228.301		
700.00	700.00	264.67	264.47	2.29	0.69	81.87	782.18	5,473.43	5,540.27	5,537.29	2.97	1,863.800		
800.00	800.00	320.00	319.61	2.64	0.90	81.84	784.92	5,477.20	5,547.41	5,543.88	3.53	1,571.038		
900.00	900.00	320.00	319.61	3.00	0.90	81.84	784.92	5,477.20	5,555.47	5,551.58	3.89	1,428.994		
1,000.00	1,000.00	368.55	367.90	3.36	1.09	81.82	787.57	5,481.33	5,564.78	5,560.36	4.42	1,258.460		
1,100.00	1,100.00	411.00	410.08	3.72	1.26	81.80	790.13	5,485.44	5,575.19	5,570.26	4.93	1,130.700		
1,200.00	1,199.98	446.27	445.07	4.07	1.40	30.62	792.53	5,489.20	5,585.18	5,579.77	5.41	1,032.309		
1,300.00	1,299.84	503.00	501.22	4.43	1.63	30.52	797.12	5,495.88	5,593.35	5,587.38	5.97	937.475		
1,400.00	1,399.45	503.00	501.22	4.79	1.63	30.45	797.12	5,495.88	5,599.55	5,593.25	6.31	887.739		
1,500.00	1,498.70	562.48	559.88	5.15	1.89	30.40	803.03	5,503.69	5,603.73	5,596.84	6.89	813.754		
1,600.00	1,597.47	594.00	590.87	5.53	2.03	30.37	806.68	5,508.14	5,606.09	5,598.73	7.36	761.995		
1,700.00	1,695.62	653.46	649.14	5.93	2.31	30.36	814.57	5,516.96	5,606.36	5,598.40	7.96	704.671		
1,800.00	1,793.06	685.00	679.95	6.35	2.46	30.37	819.28	5,521.82	5,604.59	5,596.14	8.44	663.669		
1,900.00	1,889.64	745.34	738.69	6.79	2.76	30.40	829.07	5,531.55	5,600.67	5,591.60	9.08	617.059		
2,000.00	1,985.27	799.55	791.24	7.27	3.04	30.46	838.58	5,540.82	5,594.78	5,585.08	9.70	576.936		
2,100.00	2,079.82	884.02	872.83	7.79	3.49	30.55	854.81	5,555.43	5,586.40	5,575.92	10.48	533.240		
2,200.00	2,173.17	989.88	974.74	8.36	4.07	30.67	877.27	5,573.29	5,574.95	5,563.56	11.39	489.351		
2,300.00	2,265.21	1,060.89	1,042.84	8.97	4.47	30.81	893.35	5,585.29	5,560.83	5,548.66	12.17	456.919		
2,400.00	2,355.84	1,278.32	1,251.30	9.64	5.71	31.03	944.18	5,620.41	5,543.36	5,529.64	13.71	404.237		
2,500.00	2,444.94	1,359.96	1,329.87	10.36	6.17	31.29	962.63	5,632.79	5,521.62	5,507.02	14.60	378.300		
2,591.69	2,525.19	1,430.00	1,397.15	11.07	6.57	31.57	978.81	5,643.57	5,499.42	5,484.01	15.41	356.974		
2,600.00	2,532.40	1,430.00	1,397.15	11.14	6.57	31.57	978.81	5,643.57	5,497.32	5,481.87	15.45	355.821		
2,700.00	2,619.15	1,502.67	1,466.79	11.96	7.00	31.61	996.16	5,654.98	5,472.25	5,455.91	16.34	334.910		
2,800.00	2,705.89	1,563.72	1,525.13	12.81	7.36	31.64	1,011.20	5,664.86	5,447.76	5,430.57	17.19	316.935		
2,900.00	2,792.64	1,625.57	1,584.13	13.67	7.73	31.67	1,026.56	5,675.28	5,423.95	5,405.90	18.06	300.365		
3,000.00	2,879.39	1,740.83	1,694.23	14.55	8.42	31.73	1,054.31	5,695.11	5,400.39	5,381.18	19.21	281.134		
3,100.00	2,966.14	1,927.14	1,873.75	15.44	9.48	31.91	1,093.15	5,726.26	5,375.84	5,355.16	20.68	259.892		
3,200.00	3,052.88	2,071.20	2,013.86	16.34	10.24	32.10	1,117.87	5,748.81	5,349.49	5,327.57	21.92	244.064		
3,300.00	3,139.63	2,139.44	2,080.44	17.25	10.59	32.21	1,127.97	5,759.83	5,323.45	5,300.64	22.81	233.366		
3,400.00	3,226.38	2,179.00	2,119.02	18.17	10.79	32.28	1,133.70	5,766.42	5,298.09	5,274.50	23.59	224.582		
3,500.00	3,313.12	2,227.95	2,166.67	19.09	11.05	32.36	1,140.93	5,775.03	5,273.67	5,249.24	24.42	215.946		
3,600.00	3,399.87	2,272.00	2,209.37	20.02	11.28	32.43	1,147.74	5,783.39	5,250.45	5,225.22	25.24	208.043		
3,700.00	3,486.62	2,307.05	2,243.26	20.96	11.48	32.49	1,153.33	5,790.39	5,228.30	5,202.28	26.02	200.898		
3,800.00	3,573.37	2,366.00	2,300.11	21.90	11.81	32.58	1,162.92	5,802.71	5,207.17	5,180.25	26.93	193.393		
3,900.00	3,660.11	2,435.04	2,366.53	22.84	12.20	32.68	1,174.52	5,817.51	5,186.72	5,158.83	27.88	186.015		
4,000.00	3,746.86	2,510.78	2,439.33	23.78	12.64	32.79	1,187.60	5,833.82	5,166.53	5,137.65	28.88	178.901		
4,100.00	3,833.61	2,613.89	2,538.38	24.73	13.24	32.95	1,205.20	5,856.45	5,146.76	5,116.75	30.01	171.504		
4,200.00	3,920.35	2,814.22	2,731.52	25.68	14.39	33.25	1,239.41	5,897.16	5,124.99	5,093.40	31.59	162.252		
4,300.00	4,007.10	2,926.00	2,839.29	26.63	15.02	33.41	1,259.29	5,919.13	5,103.13	5,070.36	32.77	155.748		
4,400.00	4,093.85	2,990.24	2,901.11	27.59	15.40	33.49	1,271.57	5,931.55	5,081.18	5,047.43	33.74	150.579		
4,500.00	4,180.60	4,500.00	3,003.39	28.55	24.35	33.62	1,293.34	5,952.40	5,059.59	5,017.79	41.80	121.033		
4,600.00	4,267.34	3,186.21	3,089.19	29.50	16.55	33.72	1,311.30	5,969.64	5,037.74	5,001.71	36.03	139.803		
4,700.00	4,354.09	3,286.42	3,185.51	30.46	17.14	33.85	1,330.56	5,989.52	5,016.32	4,979.13	37.19	134.876		
4,800.00	4,440.84	3,357.47	3,253.85	31.42	17.56	33.95	1,343.87	6,003.67	4,994.96	4,956.74	38.22	130.687		
4,900.00	4,527.58	3,438.53	3,331.63	32.39	18.03	34.06	1,359.52	6,020.26	4,974.20	4,934.90	39.30	126.567		
5,000.00	4,614.33	3,543.25	3,432.03	33.35	18.66	34.19	1,380.30	6,041.58	4,953.44	4,912.94	40.50	122.311		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference 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		
5,100.00	4,701.08	3,639.21	3,523.96	34.31	19.24	34.31	1,399.81	6,060.98	4,932.62	4,890.96	41.66	118.397		
5,200.00	4,787.82	3,801.45	3,679.87	35.28	20.19	34.53	1,431.51	6,092.71	4,910.98	4,867.86	43.12	113.880		
5,300.00	4,874.57	3,863.00	3,739.08	36.25	20.55	34.61	1,443.25	6,104.76	4,889.39	4,845.26	44.13	110.784		
5,400.00	4,961.32	3,938.41	3,811.49	37.21	20.99	34.72	1,457.86	6,119.94	4,868.41	4,823.20	45.21	107.677		
5,500.00	5,048.07	4,030.96	3,900.34	38.18	21.54	34.85	1,475.66	6,138.72	4,847.64	4,801.27	46.37	104.539		
5,600.00	5,134.81	4,174.62	4,038.73	39.15	22.37	35.07	1,501.70	6,167.15	4,826.19	4,778.43	47.76	101.058		
5,700.00	5,221.56	4,241.00	4,102.63	40.12	22.75	35.17	1,513.85	6,180.41	4,805.00	4,756.20	48.81	98.453		
5,800.00	5,308.31	4,403.69	4,259.25	41.09	23.70	35.40	1,545.32	6,211.16	4,782.68	4,732.39	50.28	95.115		
5,900.00	5,395.05	4,508.69	4,360.29	42.06	24.30	35.55	1,566.16	6,230.71	4,760.43	4,708.92	51.51	92.413		
6,000.00	5,481.80	4,596.47	4,444.73	43.03	24.82	35.67	1,583.81	6,246.92	4,738.07	4,685.40	52.68	89.949		
6,100.00	5,568.55	4,883.51	4,721.76	44.00	26.43	36.05	1,641.80	6,294.51	4,713.88	4,659.24	54.64	86.272		
6,200.00	5,655.30	4,977.39	4,812.84	44.97	26.93	36.19	1,659.97	6,308.26	4,687.77	4,631.94	55.82	83.980		
6,300.00	5,742.04	5,275.18	5,104.00	45.94	28.39	36.74	1,709.75	6,345.04	4,658.33	4,600.66	57.66	80.786		
6,400.00	5,828.79	5,992.98	5,818.51	46.92	30.69	39.22	1,746.31	6,382.34	4,624.67	4,564.87	59.81	77.329		
6,500.00	5,915.54	6,096.40	5,921.91	47.89	30.92	39.66	1,746.75	6,380.48	4,582.48	4,521.61	60.88	75.274		
6,600.00	6,002.28	6,185.58	6,011.07	48.86	31.12	40.05	1,747.17	6,378.67	4,540.26	4,478.31	61.95	73.286		
6,700.00	6,089.03	6,267.79	6,093.26	49.83	31.30	40.41	1,747.47	6,377.01	4,498.24	4,435.20	63.04	71.358		
6,800.00	6,175.78	6,360.28	6,185.74	50.81	31.51	40.83	1,747.48	6,375.19	4,456.43	4,392.29	64.14	69.483		
6,900.00	6,262.53	6,442.47	6,267.90	51.78	31.69	41.22	1,746.89	6,373.48	4,414.69	4,349.44	65.24	67.663		
7,000.00	6,349.27	6,511.46	6,336.88	52.76	31.84	41.55	1,746.25	6,372.22	4,373.38	4,307.02	66.36	65.902		
7,100.00	6,436.02	6,579.00	6,404.41	53.73	31.99	41.88	1,746.09	6,371.33	4,332.73	4,265.24	67.49	64.199		
7,200.00	6,522.77	6,662.04	6,487.45	54.71	32.19	42.28	1,746.35	6,370.44	4,292.51	4,223.87	68.64	62.537		
7,300.00	6,609.51	6,736.58	6,561.98	55.68	32.38	42.64	1,746.71	6,369.69	4,252.57	4,182.77	69.80	60.925		
7,400.00	6,696.26	6,810.26	6,635.66	56.66	32.56	43.00	1,747.05	6,369.19	4,213.14	4,142.16	70.97	59.362		
7,500.00	6,783.01	6,885.47	6,710.87	57.63	32.74	43.38	1,747.15	6,368.90	4,174.17	4,102.01	72.16	57.846		
7,600.00	6,869.76	6,962.53	6,787.93	58.61	32.93	43.77	1,746.99	6,368.79	4,135.67	4,062.31	73.36	56.375		
7,683.49	6,942.18	7,030.56	6,855.96	59.42	33.09	44.13	1,746.65	6,368.80	4,103.83	4,029.45	74.37	55.179		
7,700.00	6,956.57	7,044.07	6,869.46	59.58	33.12	44.10	1,746.56	6,368.81	4,097.53	4,022.96	74.57	54.949		
7,750.00	7,000.85	7,086.35	6,911.74	60.04	33.22	30.82	1,746.23	6,368.86	4,078.13	4,003.02	75.11	54.296		
7,800.00	7,045.94	7,129.48	6,954.87	60.46	33.33	18.98	1,745.78	6,368.92	4,058.33	3,982.78	75.56	53.713		
7,850.00	7,091.49	7,172.02	6,997.42	60.84	33.43	5.97	1,745.27	6,369.01	4,038.27	3,962.36	75.91	53.201		
7,900.00	7,137.15	7,214.37	7,039.76	61.17	33.53	-7.42	1,744.72	6,369.13	4,018.08	3,941.93	76.15	52.763		
7,950.00	7,182.58	7,261.61	7,087.00	61.44	33.64	-20.28	1,744.10	6,369.28	3,997.92	3,921.62	76.30	52.395		
8,000.00	7,227.43	7,312.58	7,137.95	61.67	33.77	-31.96	1,743.50	6,369.39	3,977.86	3,901.51	76.35	52.098		
8,050.00	7,271.36	7,358.76	7,184.13	61.84	33.88	-42.16	1,743.00	6,369.43	3,958.10	3,881.80	76.30	51.875		
8,100.00	7,314.04	7,402.10	7,227.47	61.96	33.98	-50.88	1,742.46	6,369.46	3,938.87	3,862.71	76.15	51.722		
8,150.00	7,355.14	7,441.72	7,267.09	62.04	34.08	-58.29	1,741.90	6,369.49	3,920.37	3,844.45	75.92	51.641		
8,200.00	7,394.34	7,477.93	7,303.29	62.07	34.17	-64.57	1,741.32	6,369.55	3,902.85	3,827.26	75.59	51.630 SF		
8,250.00	7,431.36	7,512.31	7,337.67	62.06	34.25	-69.91	1,740.70	6,369.63	3,886.50	3,811.31	75.19	51.687		
8,300.00	7,465.90	7,543.21	7,368.56	62.01	34.33	-74.43	1,740.12	6,369.73	3,871.54	3,796.82	74.72	51.812		
8,350.00	7,497.71	7,571.65	7,397.00	61.93	34.40	-78.25	1,739.59	6,369.86	3,858.16	3,783.97	74.19	52.002		
8,400.00	7,526.53	7,597.54	7,422.89	61.81	34.46	-81.44	1,739.12	6,370.00	3,846.55	3,772.93	73.61	52.255		
8,450.00	7,552.17	7,621.35	7,446.69	61.66	34.52	-84.09	1,738.69	6,370.15	3,836.86	3,763.87	72.99	52.566		
8,500.00	7,574.41	7,642.61	7,467.94	61.48	34.57	-86.21	1,738.31	6,370.29	3,829.24	3,756.90	72.34	52.932		
8,550.00	7,593.09	7,660.60	7,485.93	61.29	34.62	-87.85	1,737.99	6,370.42	3,823.82	3,752.14	71.68	53.348		
8,600.00	7,608.07	7,675.19	7,500.52	61.07	34.65	-89.01	1,737.73	6,370.54	3,820.70	3,749.69	71.00	53.809		
8,640.62	7,617.43	7,684.46	7,509.79	60.89	34.68	-89.62	1,737.57	6,370.61	3,819.91	3,749.44	70.46	54.211 CC, ES		
8,650.00	7,619.23	7,686.27	7,511.60	60.84	34.68	-89.72	1,737.54	6,370.62	3,819.95	3,749.61	70.34	54.308		
8,700.00	7,626.48	7,693.76	7,519.08	60.60	34.70	-89.98	1,737.41	6,370.68	3,821.61	3,751.92	69.69	54.839		
8,750.00	7,629.78	7,697.60	7,522.92	60.35	34.71	-89.80	1,737.34	6,370.71	3,825.69	3,756.63	69.06	55.395		
8,766.45	7,630.00	7,698.06	7,523.38	60.27	34.71	-89.64	1,737.33	6,370.72	3,827.56	3,758.70	68.86	55.583		
8,800.00	7,630.00	7,698.59	7,523.92	60.10	34.71	-89.65	1,737.32	6,370.72	3,831.78	3,763.31	68.47	55.964		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
8,900.00	7,630.00	7,700.18	7,525.50	59.61	34.72	-89.68	1,737.29	6,370.74	3,846.06	3,778.64	67.42	57.045		
9,000.00	7,630.00	7,701.76	7,527.09	59.15	34.72	-89.70	1,737.27	6,370.75	3,862.88	3,796.31	66.57	58.029		
9,100.00	7,630.00	7,703.34	7,528.67	58.71	34.72	-89.72	1,737.24	6,370.76	3,882.20	3,816.29	65.92	58.897		
9,200.00	7,630.00	7,704.92	7,530.25	58.30	34.73	-89.75	1,737.21	6,370.78	3,903.99	3,838.52	65.47	59.631		
9,300.00	7,630.00	7,706.50	7,531.82	57.91	34.73	-89.77	1,737.19	6,370.79	3,928.20	3,862.97	65.23	60.222		
9,400.00	7,630.00	7,702.00	7,527.32	57.54	34.72	-89.70	1,737.26	6,370.75	3,954.80	3,889.60	65.20	60.657		
9,500.00	7,630.00	7,708.16	7,533.48	57.19	34.74	-89.80	1,737.16	6,370.80	3,983.72	3,918.38	65.34	60.967		
9,600.00	7,630.00	7,709.42	7,534.74	56.87	34.74	-89.82	1,737.14	6,370.82	4,014.93	3,949.26	65.67	61.137		
9,700.00	7,630.00	7,710.67	7,535.99	56.57	34.74	-89.83	1,737.11	6,370.83	4,048.37	3,982.21	66.16	61.188		
9,800.00	7,630.00	7,711.92	7,537.24	56.30	34.75	-89.85	1,737.09	6,370.84	4,083.98	4,017.18	66.80	61.139		
9,900.00	7,630.00	7,713.17	7,538.49	56.05	34.75	-89.87	1,737.07	6,370.85	4,121.71	4,054.15	67.56	61.007		
10,000.00	7,630.00	7,714.41	7,539.73	55.82	34.75	-89.89	1,737.05	6,370.86	4,161.51	4,093.07	68.43	60.812		
10,100.00	7,630.00	7,715.65	7,540.97	55.63	34.75	-89.91	1,737.03	6,370.87	4,203.30	4,133.91	69.40	60.570		
10,200.00	7,630.00	7,716.89	7,542.21	55.46	34.76	-89.93	1,737.01	6,370.89	4,247.04	4,176.61	70.43	60.298		
10,300.00	7,630.00	7,718.12	7,543.44	55.32	34.76	-89.95	1,736.99	6,370.90	4,292.66	4,221.13	71.53	60.009		
10,400.00	7,630.00	7,719.35	7,544.67	55.22	34.76	-89.96	1,736.97	6,370.91	4,340.11	4,267.43	72.68	59.715		
10,500.00	7,630.00	7,720.58	7,545.90	55.15	34.77	-89.98	1,736.95	6,370.92	4,389.32	4,315.45	73.86	59.424		
10,600.00	7,630.00	7,721.80	7,547.12	55.14	34.77	-90.00	1,736.92	6,370.93	4,440.24	4,365.16	75.07	59.145		
10,700.00	7,630.00	7,723.02	7,548.34	55.18	34.77	-90.02	1,736.90	6,370.95	4,492.80	4,416.50	76.30	58.882		
10,800.00	7,630.00	7,724.23	7,549.55	55.28	34.78	-90.04	1,736.88	6,370.96	4,546.96	4,469.42	77.54	58.642		
10,900.00	7,630.00	7,725.44	7,550.76	55.47	34.78	-90.06	1,736.86	6,370.97	4,602.66	4,523.88	78.78	58.426		
11,000.00	7,630.00	7,726.65	7,551.97	55.74	34.78	-90.07	1,736.84	6,370.98	4,659.83	4,579.81	80.02	58.237		
11,100.00	7,630.00	7,727.86	7,553.17	56.11	34.79	-90.09	1,736.82	6,371.00	4,718.43	4,637.18	81.25	58.076		
11,200.00	7,630.00	7,729.06	7,554.38	56.60	34.79	-90.11	1,736.80	6,371.01	4,778.40	4,695.94	82.47	57.944		
11,300.00	7,630.00	7,730.25	7,555.57	57.20	34.79	-90.13	1,736.78	6,371.02	4,839.70	4,756.03	83.67	57.842		
11,400.00	7,630.00	7,731.45	7,556.77	57.91	34.80	-90.15	1,736.76	6,371.04	4,902.27	4,817.41	84.86	57.769		
11,500.00	7,630.00	7,732.64	7,557.96	58.72	34.80	-90.17	1,736.74	6,371.05	4,966.06	4,880.03	86.03	57.725		
11,600.00	7,630.00	7,733.82	7,559.14	59.63	34.80	-90.18	1,736.72	6,371.06	5,031.04	4,943.86	87.18	57.709		
11,700.00	7,630.00	7,735.01	7,560.33	60.61	34.80	-90.20	1,736.70	6,371.08	5,097.14	5,008.84	88.31	57.720		
11,800.00	7,630.00	7,736.19	7,561.51	61.67	34.81	-90.22	1,736.68	6,371.09	5,164.34	5,074.93	89.41	57.759		
11,900.00	7,630.00	7,737.37	7,562.68	62.78	34.81	-90.24	1,736.66	6,371.10	5,232.58	5,142.09	90.49	57.823		
12,000.00	7,630.00	7,738.54	7,563.86	63.95	34.81	-90.25	1,736.64	6,371.12	5,301.84	5,210.29	91.55	57.912		
12,100.00	7,630.00	7,739.71	7,565.03	65.16	34.82	-90.27	1,736.63	6,371.13	5,372.06	5,279.47	92.58	58.024		
12,200.00	7,630.00	7,740.88	7,566.19	66.41	34.82	-90.29	1,736.61	6,371.14	5,443.21	5,349.62	93.59	58.160		
12,300.00	7,630.00	7,742.04	7,567.35	67.68	34.82	-90.31	1,736.59	6,371.16	5,515.25	5,420.68	94.57	58.317		
12,400.00	7,630.00	7,743.20	7,568.51	68.99	34.83	-90.32	1,736.57	6,371.17	5,588.16	5,492.63	95.53	58.495		
12,500.00	7,630.00	7,744.36	7,569.67	70.33	34.83	-90.34	1,736.55	6,371.18	5,661.89	5,565.43	96.47	58.693		
12,600.00	7,630.00	7,745.51	7,570.82	71.68	34.83	-90.36	1,736.53	6,371.20	5,736.42	5,639.05	97.38	58.910		
12,700.00	7,630.00	7,746.66	7,571.97	73.06	34.83	-90.38	1,736.51	6,371.21	5,811.72	5,713.45	98.26	59.145		
12,800.00	7,630.00	7,747.81	7,573.12	74.45	34.84	-90.39	1,736.49	6,371.23	5,887.75	5,788.62	99.13	59.397		
12,900.00	7,630.00	7,748.95	7,574.26	75.87	34.84	-90.41	1,736.47	6,371.24	5,964.48	5,864.52	99.97	59.665		
13,000.00	7,630.00	7,750.09	7,575.40	77.29	34.84	-90.43	1,736.45	6,371.26	6,041.90	5,941.12	100.78	59.949		
13,100.00	7,630.00	7,751.23	7,576.54	78.74	34.85	-90.45	1,736.44	6,371.27	6,119.97	6,018.39	101.58	60.248		
13,200.00	7,630.00	7,752.36	7,577.68	80.19	34.85	-90.46	1,736.42	6,371.28	6,198.67	6,096.32	102.35	60.562		
13,300.00	7,630.00	7,753.49	7,578.81	81.66	34.85	-90.48	1,736.40	6,371.30	6,277.98	6,174.87	103.11	60.889		
13,400.00	7,630.00	7,754.62	7,579.93	83.14	34.85	-90.50	1,736.38	6,371.31	6,357.87	6,254.03	103.84	61.228		
13,500.00	7,630.00	7,755.74	7,581.06	84.63	34.86	-90.51	1,736.36	6,371.33	6,438.32	6,333.77	104.55	61.580		
13,600.00	7,630.00	7,756.87	7,582.18	86.14	34.86	-90.53	1,736.34	6,371.34	6,519.31	6,414.06	105.25	61.944		
13,700.00	7,630.00	7,757.98	7,583.30	87.65	34.86	-90.55	1,736.33	6,371.36	6,600.82	6,494.90	105.92	62.319		
13,800.00	7,630.00	7,759.10	7,584.41	89.17	34.87	-90.56	1,736.31	6,371.37	6,682.84	6,576.26	106.58	62.704		
13,900.00	7,630.00	7,760.21	7,585.52	90.70	34.87	-90.58	1,736.29	6,371.39	6,765.34	6,658.12	107.22	63.100		
14,000.00	7,630.00	7,761.32	7,586.63	92.24	34.87	-90.60	1,736.27	6,371.40	6,848.30	6,740.46	107.84	63.505		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
14,100.00	7,630.00	7,762.43	7,587.74	93.78	34.87	-90.61	1,736.25	6,371.42	6,931.72	6,823.27	108.44	63.919		
14,200.00	7,630.00	7,763.53	7,588.84	95.33	34.88	-90.63	1,736.24	6,371.43	7,015.56	6,906.53	109.03	64.343		
14,300.00	7,630.00	7,764.63	7,589.94	96.89	34.88	-90.65	1,736.22	6,371.45	7,099.83	6,990.22	109.61	64.775		
14,400.00	7,630.00	7,765.72	7,591.04	98.46	34.88	-90.66	1,736.20	6,371.46	7,184.50	7,074.33	110.17	65.215		
14,500.00	7,630.00	7,766.82	7,592.13	100.03	34.89	-90.68	1,736.18	6,371.48	7,269.56	7,158.85	110.71	65.662		
14,600.00	7,630.00	7,767.91	7,593.22	101.61	34.89	-90.70	1,736.17	6,371.49	7,354.99	7,243.75	111.24	66.117		
14,700.00	7,630.00	7,769.00	7,594.31	103.20	34.89	-90.71	1,736.15	6,371.51	7,440.79	7,329.03	111.76	66.579		
14,800.00	7,630.00	7,770.08	7,595.39	104.78	34.89	-90.73	1,736.13	6,371.52	7,526.94	7,414.67	112.26	67.048		
14,900.00	7,630.00	7,771.16	7,596.47	106.38	34.90	-90.75	1,736.12	6,371.54	7,613.42	7,500.67	112.75	67.523		
15,000.00	7,630.00	7,772.24	7,597.55	107.98	34.90	-90.76	1,736.10	6,371.56	7,700.23	7,587.00	113.23	68.004		
15,100.00	7,630.00	7,773.32	7,598.63	109.58	34.90	-90.78	1,736.08	6,371.57	7,787.36	7,673.66	113.70	68.492		
15,200.00	7,630.00	7,774.39	7,599.70	111.19	34.90	-90.79	1,736.06	6,371.59	7,874.80	7,760.64	114.15	68.985		
15,300.00	7,630.00	7,775.46	7,600.77	112.81	34.91	-90.81	1,736.05	6,371.60	7,962.53	7,847.93	114.60	69.483		
15,400.00	7,630.00	7,776.53	7,601.83	114.42	34.91	-90.83	1,736.03	6,371.62	8,050.54	7,935.51	115.03	69.987		
15,500.00	7,630.00	7,777.59	7,602.90	116.05	34.91	-90.84	1,736.01	6,371.64	8,138.84	8,023.38	115.45	70.495		
15,600.00	7,630.00	7,778.65	7,603.96	117.67	34.92	-90.86	1,736.00	6,371.65	8,227.40	8,111.53	115.86	71.009		
15,700.00	7,630.00	7,779.71	7,605.02	119.30	34.92	-90.87	1,735.98	6,371.67	8,316.22	8,199.95	116.27	71.527		
15,800.00	7,630.00	7,780.76	7,606.07	120.93	34.92	-90.89	1,735.96	6,371.68	8,405.29	8,288.63	116.66	72.049		
15,900.00	7,630.00	7,781.82	7,607.12	122.57	34.92	-90.91	1,735.95	6,371.70	8,494.60	8,377.56	117.04	72.576		
16,000.00	7,630.00	7,782.87	7,608.17	124.21	34.93	-90.92	1,735.93	6,371.72	8,584.15	8,466.73	117.42	73.107		
16,100.00	7,630.00	7,783.91	7,609.22	125.85	34.93	-90.94	1,735.91	6,371.73	8,673.93	8,556.14	117.79	73.642		
16,200.00	7,630.00	7,784.96	7,610.26	127.50	34.93	-90.95	1,735.90	6,371.75	8,763.92	8,645.78	118.14	74.180		
16,300.00	7,630.00	7,786.00	7,611.30	129.15	34.93	-90.97	1,735.88	6,371.76	8,854.14	8,735.64	118.49	74.722		
16,400.00	7,630.00	7,796.00	7,621.30	130.80	34.96	-91.12	1,735.73	6,371.93	8,944.56	8,825.72	118.84	75.263		
16,500.00	7,630.00	7,796.00	7,621.30	132.46	34.96	-91.12	1,735.73	6,371.93	9,035.19	8,916.01	119.18	75.812		
16,600.00	7,630.00	7,796.00	7,621.30	134.11	34.96	-91.12	1,735.73	6,371.93	9,126.00	9,006.50	119.51	76.365		
16,700.00	7,630.00	7,796.00	7,621.30	135.77	34.96	-91.12	1,735.73	6,371.93	9,217.01	9,097.18	119.83	76.920		
16,800.00	7,630.00	7,796.00	7,621.30	137.43	34.96	-91.12	1,735.73	6,371.93	9,308.20	9,188.06	120.14	77.479		
16,900.00	7,630.00	7,796.00	7,621.30	139.10	34.96	-91.12	1,735.73	6,371.93	9,399.57	9,279.13	120.44	78.040		
17,000.00	7,630.00	7,796.00	7,621.30	140.77	34.96	-91.12	1,735.73	6,371.93	9,491.12	9,370.37	120.74	78.605		
17,100.00	7,630.00	7,796.00	7,621.30	142.44	34.96	-91.12	1,735.73	6,371.93	9,582.83	9,461.79	121.04	79.172		
17,200.00	7,630.00	7,796.00	7,621.30	144.11	34.96	-91.12	1,735.73	6,371.93	9,674.71	9,553.38	121.33	79.741		
17,300.00	7,630.00	7,797.00	7,622.30	145.78	34.96	-91.14	1,735.71	6,371.94	9,766.75	9,645.14	121.61	80.313		
17,400.00	7,630.00	7,801.05	7,626.35	147.46	34.97	-91.20	1,735.65	6,372.01	9,858.94	9,737.05	121.89	80.884		
17,500.00	7,630.00	7,805.23	7,630.53	149.13	34.98	-91.26	1,735.58	6,372.08	9,951.28	9,829.12	122.16	81.458		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	82.01	765.24	5,450.92	5,504.99					
100.00	100.00	36.67	36.67	0.13	0.05	82.01	765.27	5,450.86	5,504.35	5,504.16	0.18	N/A		
200.00	200.00	138.00	138.00	0.49	0.39	82.01	765.43	5,450.28	5,503.80	5,502.92	0.88	6,255.843		
269.07	269.07	187.07	187.07	0.74	0.56	82.01	765.17	5,450.15	5,503.60	5,502.30	1.30	4,241.185		
300.00	300.00	204.63	204.62	0.85	0.62	82.01	764.95	5,450.20	5,503.64	5,502.17	1.47	3,745.324		
400.00	400.00	229.00	228.99	1.21	0.70	82.02	764.51	5,450.37	5,504.44	5,502.53	1.91	2,876.229		
500.00	500.00	274.12	274.08	1.57	0.86	82.03	763.38	5,451.25	5,506.32	5,503.89	2.43	2,265.824		
600.00	600.00	320.00	319.90	1.93	1.02	82.05	761.85	5,453.15	5,509.68	5,506.73	2.95	1,869.733		
700.00	700.00	320.00	319.90	2.29	1.02	82.05	761.85	5,453.15	5,514.18	5,510.87	3.31	1,667.872		
800.00	800.00	367.93	367.69	2.64	1.20	82.07	759.76	5,456.11	5,519.88	5,516.05	3.84	1,439.198		
900.00	900.00	411.00	410.56	3.00	1.36	82.10	757.38	5,459.52	5,526.84	5,522.50	4.35	1,271.869		
1,000.00	1,000.00	439.48	438.86	3.36	1.46	82.12	755.56	5,462.14	5,534.92	5,530.12	4.81	1,151.440		
1,100.00	1,100.00	502.00	500.85	3.72	1.70	82.18	750.87	5,468.79	5,544.27	5,538.87	5.40	1,027.596		
1,200.00	1,199.98	502.00	500.85	4.07	1.70	31.02	750.87	5,468.79	5,553.00	5,547.26	5.74	967.199		
1,300.00	1,299.84	545.45	543.82	4.43	1.88	31.01	747.32	5,474.20	5,560.01	5,553.76	6.25	889.239		
1,400.00	1,399.45	593.00	590.73	4.79	2.08	31.02	743.52	5,480.94	5,565.37	5,558.59	6.78	820.656		
1,500.00	1,498.70	593.00	590.73	5.15	2.08	30.99	743.52	5,480.94	5,568.90	5,561.78	7.12	781.694		
1,600.00	1,597.47	642.67	639.60	5.53	2.30	31.06	739.53	5,488.86	5,570.58	5,562.91	7.67	726.067		
1,700.00	1,695.62	684.00	680.14	5.93	2.48	31.15	736.13	5,496.12	5,570.58	5,562.38	8.19	680.020		
1,800.00	1,793.06	715.61	711.11	6.35	2.63	31.24	733.66	5,502.01	5,568.71	5,560.03	8.68	641.590		
1,900.00	1,889.64	776.00	770.21	6.79	2.91	31.42	729.87	5,513.79	5,565.02	5,555.72	9.30	598.620		
2,000.00	1,985.27	804.95	798.51	7.27	3.05	31.55	728.31	5,519.69	5,559.23	5,549.44	9.80	567.534		
2,100.00	2,079.82	870.00	861.98	7.79	3.36	31.80	724.58	5,533.44	5,551.51	5,541.05	10.46	530.804		
2,200.00	2,173.17	926.85	917.37	8.36	3.64	32.07	721.35	5,545.81	5,541.54	5,530.43	11.11	498.705		
2,300.00	2,265.21	1,020.52	1,008.66	8.97	4.11	32.48	716.70	5,566.30	5,529.04	5,517.11	11.93	463.405		
2,400.00	2,355.84	1,120.95	1,106.59	9.64	4.62	32.96	712.31	5,588.09	5,513.66	5,500.85	12.81	430.472		
2,500.00	2,444.94	1,213.02	1,196.39	10.36	5.09	33.47	708.27	5,608.03	5,495.52	5,481.84	13.68	401.804		
2,591.69	2,525.19	1,279.71	1,261.36	11.07	5.44	33.93	704.55	5,622.61	5,476.65	5,462.22	14.43	379.592		
2,600.00	2,532.40	1,284.83	1,266.34	11.14	5.46	33.95	704.23	5,623.75	5,474.86	5,460.37	14.49	377.724		
2,700.00	2,619.15	1,348.78	1,328.49	11.96	5.80	34.21	699.85	5,638.13	5,453.70	5,438.39	15.30	356.426		
2,800.00	2,705.89	1,431.74	1,409.04	12.81	6.25	34.54	693.78	5,657.05	5,433.04	5,416.83	16.21	335.073		
2,900.00	2,792.64	1,491.55	1,467.07	13.67	6.58	34.78	689.48	5,670.89	5,412.96	5,395.92	17.04	317.622		
3,000.00	2,879.39	1,551.24	1,524.92	14.55	6.91	35.02	685.35	5,685.03	5,393.65	5,375.76	17.88	301.576		
3,100.00	2,966.14	1,620.00	1,591.43	15.44	7.29	35.30	680.42	5,701.74	5,375.13	5,356.35	18.78	286.168		
3,200.00	3,052.88	1,762.99	1,729.95	16.34	8.08	35.88	670.52	5,735.79	5,356.38	5,336.36	20.03	267.438		
3,300.00	3,139.63	1,849.23	1,813.59	17.25	8.56	36.23	664.87	5,756.03	5,337.62	5,316.59	21.03	253.828		
3,400.00	3,226.38	1,962.98	1,923.97	18.17	9.18	36.69	658.13	5,782.68	5,319.12	5,296.96	22.16	240.043		
3,500.00	3,313.12	2,064.91	2,023.07	19.09	9.74	37.09	653.21	5,806.02	5,300.33	5,277.09	23.24	228.050		
3,600.00	3,399.87	2,161.40	2,116.89	20.02	10.26	37.47	648.66	5,828.07	5,281.75	5,257.44	24.31	217.258		
3,700.00	3,486.62	2,244.10	2,197.27	20.96	10.71	37.81	643.95	5,846.97	5,263.41	5,238.07	25.34	207.752		
3,800.00	3,573.37	2,345.61	2,295.81	21.90	11.27	38.24	636.74	5,870.25	5,245.41	5,218.95	26.46	198.251		
3,900.00	3,660.11	2,472.14	2,418.79	22.84	11.96	38.78	627.76	5,898.65	5,227.22	5,199.52	27.70	188.678		
4,000.00	3,746.86	2,514.30	2,459.73	23.78	12.19	38.96	624.70	5,908.22	5,209.47	5,180.89	28.58	182.275		
4,100.00	3,833.61	2,575.61	2,519.17	24.73	12.53	39.23	620.33	5,922.57	5,192.70	5,163.15	29.55	175.730		
4,200.00	3,920.35	2,835.00	2,771.74	25.68	13.92	40.33	605.12	5,979.59	5,174.80	5,143.40	31.40	164.795		
4,300.00	4,007.10	2,879.86	2,815.57	26.63	14.16	40.52	602.49	5,988.76	5,155.99	5,123.67	32.32	159.550		
4,400.00	4,093.85	2,928.00	2,862.38	27.59	14.41	40.73	599.05	5,999.44	5,138.69	5,105.44	33.25	154.543		
4,500.00	4,180.60	2,962.99	2,896.32	28.55	14.61	40.89	596.46	6,007.52	5,122.49	5,088.35	34.13	150.074		
4,600.00	4,267.34	3,061.32	2,991.81	29.50	15.15	41.31	590.61	6,030.29	5,106.84	5,071.53	35.31	144.631		
4,700.00	4,354.09	3,162.45	3,090.09	30.46	15.70	41.74	585.18	6,053.51	5,091.25	5,054.74	36.50	139.473		
4,800.00	4,440.84	3,299.89	3,223.72	31.42	16.45	42.35	576.91	6,084.51	5,075.66	5,037.79	37.87	134.017		
4,900.00	4,527.58	3,369.61	3,291.60	32.39	16.82	42.65	573.21	6,099.99	5,059.92	5,020.98	38.94	129.944		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
5,000.00	4,614.33	3,437.17	3,357.32	33.35	17.19	42.94	569.87	6,115.33	5,044.89	5,004.88	40.00	126.114		
5,100.00	4,701.08	3,507.75	3,425.86	34.31	17.58	43.25	565.65	6,131.62	5,030.56	4,989.47	41.09	122.430		
5,200.00	4,787.82	3,599.02	3,514.39	35.28	18.09	43.67	558.84	6,152.75	5,016.77	4,974.48	42.29	118.633		
5,300.00	4,874.57	3,778.22	3,688.65	36.25	19.06	44.50	546.29	6,192.59	5,002.34	4,958.44	43.91	113.930		
5,400.00	4,961.32	3,911.23	3,818.46	37.21	19.76	45.10	538.74	6,220.53	4,986.91	4,941.61	45.30	110.085		
5,500.00	5,048.07	3,992.77	3,898.12	38.18	20.18	45.46	535.46	6,237.64	4,971.62	4,925.16	46.46	107.003		
5,600.00	5,134.81	4,062.75	3,966.42	39.15	20.54	45.77	532.16	6,252.52	4,956.96	4,909.37	47.58	104.178		
5,700.00	5,221.56	5,264.47	5,157.22	40.12	25.16	51.30	501.46	6,380.07	4,933.06	4,880.72	52.33	94.264		
5,800.00	5,308.31	5,354.84	5,247.59	41.09	25.38	51.73	502.06	6,379.79	4,899.04	4,845.56	53.48	91.610		
5,900.00	5,395.05	5,465.97	5,358.70	42.06	25.65	52.26	503.28	6,379.23	4,865.06	4,810.40	54.66	89.000		
6,000.00	5,481.80	5,553.16	5,445.88	43.03	25.86	52.69	504.31	6,378.58	4,831.13	4,775.31	55.82	86.545		
6,100.00	5,568.55	5,643.14	5,535.85	44.00	26.08	53.13	505.33	6,377.85	4,797.43	4,740.43	57.00	84.171		
6,200.00	5,655.30	5,745.95	5,638.66	44.97	26.33	53.64	506.20	6,376.76	4,763.83	4,705.63	58.20	81.854		
6,300.00	5,742.04	5,851.17	5,743.86	45.94	26.58	54.18	506.92	6,375.21	4,730.20	4,670.79	59.41	79.614		
6,400.00	5,828.79	5,954.28	5,846.95	46.92	26.83	54.71	507.63	6,373.28	4,696.53	4,635.89	60.64	77.453		
6,500.00	5,915.54	6,044.24	5,936.89	47.89	27.04	55.19	508.18	6,371.36	4,662.96	4,601.11	61.85	75.387		
6,600.00	6,002.28	6,123.07	6,015.70	48.86	27.24	55.61	508.69	6,369.75	4,629.78	4,566.71	63.07	73.411		
6,700.00	6,089.03	6,202.36	6,094.98	49.83	27.43	56.04	509.02	6,368.21	4,597.05	4,532.75	64.29	71.502		
6,800.00	6,175.78	6,293.09	6,185.69	50.81	27.65	56.54	509.09	6,366.40	4,564.67	4,499.13	65.55	69.639		
6,900.00	6,262.53	6,356.57	6,249.15	51.78	27.81	56.89	508.98	6,365.20	4,532.79	4,466.01	66.78	67.879		
7,000.00	6,349.27	6,411.81	6,304.39	52.76	27.95	57.21	508.77	6,364.45	4,501.75	4,433.74	68.01	66.195		
7,100.00	6,436.02	6,457.80	6,350.38	53.73	28.08	57.47	508.58	6,364.22	4,471.79	4,402.56	69.23	64.590		
7,200.00	6,522.77	6,505.17	6,397.75	54.71	28.21	57.74	508.40	6,364.44	4,442.98	4,372.51	70.47	63.047		
7,300.00	6,609.51	6,554.71	6,447.28	55.68	28.36	58.02	508.15	6,365.09	4,415.28	4,343.56	71.72	61.562		
7,400.00	6,696.26	7,400.00	6,546.67	56.66	30.90	58.59	507.52	6,366.64	4,388.20	4,312.57	75.63	58.023		
7,500.00	6,783.01	6,784.92	6,677.47	57.63	29.04	59.35	506.82	6,367.55	4,360.67	4,286.15	74.52	58.519		
7,600.00	6,869.76	6,884.15	6,776.70	58.61	29.32	59.94	506.18	6,367.73	4,333.23	4,257.33	75.89	57.097		
7,683.49	6,942.18	6,956.60	6,849.15	59.42	29.52	60.38	505.68	6,367.76	4,310.54	4,233.52	77.03	55.961		
7,700.00	6,956.57	6,967.80	6,860.35	59.58	29.56	57.59	505.60	6,367.77	4,306.00	4,228.76	77.24	55.746		
7,750.00	7,000.85	7,002.72	6,895.26	60.04	29.66	47.98	505.31	6,367.84	4,291.21	4,213.36	77.85	55.121		
7,800.00	7,045.94	7,038.33	6,930.87	60.46	29.76	36.72	504.96	6,367.97	4,274.91	4,196.53	78.38	54.540		
7,850.00	7,091.49	7,083.84	6,976.39	60.84	29.89	24.21	504.47	6,368.20	4,257.18	4,178.33	78.85	53.993		
7,900.00	7,137.15	7,134.05	7,026.58	61.17	30.04	11.16	503.95	6,368.41	4,237.99	4,158.76	79.24	53.486		
7,950.00	7,182.58	7,178.39	7,070.93	61.44	30.17	-1.54	503.51	6,368.57	4,217.52	4,137.99	79.52	53.036		
8,000.00	7,227.43	7,221.03	7,113.57	61.67	30.29	-13.23	503.05	6,368.75	4,195.94	4,116.22	79.72	52.636		
8,050.00	7,271.36	7,270.04	7,162.57	61.84	30.43	-23.65	502.47	6,368.93	4,173.40	4,093.57	79.83	52.277		
8,100.00	7,314.04	7,321.54	7,214.07	61.96	30.58	-32.86	501.80	6,369.00	4,150.02	4,070.15	79.87	51.961		
8,150.00	7,355.14	7,364.02	7,256.55	62.04	30.71	-40.95	501.22	6,368.99	4,126.04	4,046.23	79.80	51.703		
8,200.00	7,394.34	7,403.19	7,295.71	62.07	30.82	-48.14	500.71	6,368.99	4,101.72	4,022.07	79.65	51.496		
8,250.00	7,431.36	7,440.21	7,332.72	62.06	30.93	-54.58	500.26	6,369.00	4,077.33	3,997.91	79.42	51.340		
8,300.00	7,465.90	7,474.79	7,367.30	62.01	31.03	-60.38	499.86	6,369.03	4,053.10	3,973.99	79.11	51.234		
8,350.00	7,497.71	7,506.65	7,399.17	61.93	31.12	-65.60	499.52	6,369.06	4,029.29	3,950.56	78.73	51.180		
8,400.00	7,526.53	7,537.13	7,429.63	61.81	31.21	-70.32	499.21	6,369.09	4,006.15	3,927.87	78.28	51.176		
8,450.00	7,552.17	7,564.98	7,457.48	61.66	31.29	-74.53	498.95	6,369.12	3,983.93	3,906.16	77.78	51.222		
8,500.00	7,574.41	7,589.13	7,481.64	61.48	31.36	-78.25	498.75	6,369.14	3,962.90	3,885.67	77.22	51.319		
8,550.00	7,593.09	7,609.41	7,501.92	61.29	31.42	-81.48	498.60	6,369.15	3,943.28	3,866.66	76.62	51.466		
8,600.00	7,608.07	7,622.14	7,514.65	61.07	31.46	-84.17	498.52	6,369.16	3,925.31	3,849.33	75.98	51.664		
8,650.00	7,619.23	7,631.60	7,524.11	60.84	31.49	-86.38	498.45	6,369.17	3,909.21	3,833.90	75.31	51.908		
8,700.00	7,626.48	7,637.85	7,530.36	60.60	31.51	-88.14	498.41	6,369.19	3,895.15	3,820.52	74.63	52.196		
8,750.00	7,629.78	7,640.85	7,533.35	60.35	31.51	-89.45	498.39	6,369.19	3,883.27	3,809.34	73.93	52.525		
8,766.45	7,630.00	7,641.11	7,533.62	60.27	31.52	-89.78	498.39	6,369.19	3,879.86	3,806.16	73.70	52.642		
8,800.00	7,630.00	7,641.30	7,533.80	60.10	31.52	-89.79	498.39	6,369.19	3,873.30	3,800.06	73.24	52.885		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference 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		
8,900.00	7,630.00	7,641.85	7,534.36	59.61	31.52	-89.79	498.38	6,369.20	3,855.43	3,783.51	71.92	53.605		
9,000.00	7,630.00	7,642.40	7,534.91	59.15	31.52	-89.80	498.38	6,369.20	3,840.08	3,769.38	70.70	54.314		
9,100.00	7,630.00	7,642.95	7,535.46	58.71	31.52	-89.81	498.37	6,369.20	3,827.28	3,757.69	69.59	54.995		
9,200.00	7,630.00	7,643.50	7,536.01	58.30	31.52	-89.82	498.37	6,369.20	3,817.06	3,748.45	68.61	55.631		
9,300.00	7,630.00	7,644.05	7,536.56	57.91	31.52	-89.83	498.37	6,369.20	3,809.44	3,741.66	67.78	56.201		
9,400.00	7,630.00	7,644.60	7,537.11	57.54	31.53	-89.84	498.36	6,369.20	3,804.43	3,737.32	67.11	56.689		
9,500.00	7,630.00	7,645.15	7,537.66	57.19	31.53	-89.84	498.36	6,369.20	3,802.05	3,735.44	66.61	57.076		
9,540.65	7,630.00	7,645.37	7,537.88	57.06	31.53	-89.85	498.36	6,369.21	3,801.83	3,735.36	66.47	57.193 CC, ES		
9,600.00	7,630.00	7,645.70	7,538.20	56.87	31.53	-89.85	498.36	6,369.21	3,802.30	3,736.00	66.30	57.349		
9,700.00	7,630.00	7,646.25	7,538.75	56.57	31.53	-89.86	498.35	6,369.21	3,805.17	3,738.99	66.18	57.498		
9,800.00	7,630.00	7,646.79	7,539.30	56.30	31.53	-89.87	498.35	6,369.21	3,810.67	3,744.42	66.25	57.519		
9,900.00	7,630.00	7,647.34	7,539.84	56.05	31.53	-89.88	498.35	6,369.21	3,818.78	3,752.27	66.51	57.414		
10,000.00	7,630.00	7,647.88	7,540.39	55.82	31.54	-89.89	498.34	6,369.21	3,829.48	3,762.52	66.96	57.190		
10,100.00	7,630.00	7,648.43	7,540.93	55.63	31.54	-89.89	498.34	6,369.21	3,842.76	3,775.17	67.58	56.859		
10,200.00	7,630.00	7,648.97	7,541.48	55.46	31.54	-89.90	498.33	6,369.22	3,858.58	3,790.21	68.37	56.436		
10,300.00	7,630.00	7,649.51	7,542.02	55.32	31.54	-89.91	498.33	6,369.22	3,876.92	3,807.62	69.30	55.940		
10,400.00	7,630.00	7,650.06	7,542.56	55.22	31.54	-89.92	498.33	6,369.22	3,897.74	3,827.37	70.37	55.389		
10,500.00	7,630.00	7,650.60	7,543.10	55.15	31.54	-89.93	498.32	6,369.22	3,921.00	3,849.45	71.55	54.802		
10,600.00	7,630.00	7,651.14	7,543.64	55.14	31.55	-89.93	498.32	6,369.22	3,946.66	3,873.84	72.82	54.195		
10,700.00	7,630.00	7,651.68	7,544.18	55.18	31.55	-89.94	498.32	6,369.22	3,974.67	3,900.49	74.18	53.582		
10,800.00	7,630.00	7,652.22	7,544.72	55.28	31.55	-89.95	498.31	6,369.22	4,004.98	3,929.38	75.60	52.977		
10,900.00	7,630.00	7,652.76	7,545.26	55.47	31.55	-89.96	498.31	6,369.23	4,037.54	3,960.47	77.07	52.390		
11,000.00	7,630.00	7,653.30	7,545.80	55.74	31.55	-89.97	498.31	6,369.23	4,072.29	3,993.72	78.57	51.828		
11,100.00	7,630.00	7,653.83	7,546.34	56.11	31.55	-89.97	498.30	6,369.23	4,109.19	4,029.08	80.10	51.298		
11,200.00	7,630.00	7,654.37	7,546.88	56.60	31.55	-89.98	498.30	6,369.23	4,148.17	4,066.52	81.65	50.805		
11,300.00	7,630.00	7,654.91	7,547.41	57.20	31.56	-89.99	498.30	6,369.23	4,189.17	4,105.97	83.20	50.351		
11,400.00	7,630.00	7,655.44	7,547.95	57.91	31.56	-90.00	498.29	6,369.23	4,232.14	4,147.39	84.75	49.939		
11,500.00	7,630.00	7,655.98	7,548.48	58.72	31.56	-90.01	498.29	6,369.24	4,277.01	4,190.73	86.28	49.569		
11,600.00	7,630.00	7,656.51	7,549.02	59.63	31.56	-90.02	498.28	6,369.24	4,323.74	4,235.93	87.81	49.241		
11,700.00	7,630.00	7,657.05	7,549.55	60.61	31.56	-90.02	498.28	6,369.24	4,372.25	4,282.94	89.31	48.956		
11,800.00	7,630.00	7,657.58	7,550.08	61.67	31.56	-90.03	498.28	6,369.24	4,422.49	4,331.70	90.79	48.712		
11,900.00	7,630.00	7,658.11	7,550.62	62.78	31.57	-90.04	498.27	6,369.24	4,474.40	4,382.16	92.24	48.509		
12,000.00	7,630.00	7,658.64	7,551.15	63.95	31.57	-90.05	498.27	6,369.25	4,527.93	4,434.27	93.66	48.345		
12,100.00	7,630.00	7,659.18	7,551.68	65.16	31.57	-90.06	498.27	6,369.25	4,583.01	4,487.96	95.05	48.218		
12,200.00	7,630.00	7,659.71	7,552.21	66.41	31.57	-90.06	498.26	6,369.25	4,639.59	4,543.19	96.40	48.128		
12,300.00	7,630.00	7,660.24	7,552.74	67.68	31.57	-90.07	498.26	6,369.25	4,697.62	4,599.90	97.72	48.072		
12,400.00	7,630.00	7,660.77	7,553.27	68.99	31.57	-90.08	498.26	6,369.25	4,757.05	4,658.05	99.00	48.050 SF		
12,500.00	7,630.00	7,661.29	7,553.80	70.33	31.58	-90.09	498.25	6,369.25	4,817.82	4,717.57	100.25	48.058		
12,600.00	7,630.00	7,661.82	7,554.33	71.68	31.58	-90.10	498.25	6,369.26	4,879.88	4,778.42	101.46	48.097		
12,700.00	7,630.00	7,662.35	7,554.86	73.06	31.58	-90.10	498.25	6,369.26	4,943.18	4,840.55	102.63	48.164		
12,800.00	7,630.00	7,662.88	7,555.38	74.45	31.58	-90.11	498.24	6,369.26	5,007.68	4,903.92	103.77	48.258		
12,900.00	7,630.00	7,663.40	7,555.91	75.87	31.58	-90.12	498.24	6,369.26	5,073.34	4,968.47	104.87	48.377		
13,000.00	7,630.00	7,663.93	7,556.43	77.29	31.58	-90.13	498.24	6,369.26	5,140.10	5,034.16	105.94	48.521		
13,100.00	7,630.00	7,664.45	7,556.96	78.74	31.58	-90.14	498.23	6,369.27	5,207.92	5,100.96	106.97	48.688		
13,200.00	7,630.00	7,664.98	7,557.48	80.19	31.59	-90.14	498.23	6,369.27	5,276.77	5,168.81	107.96	48.876		
13,300.00	7,630.00	7,665.50	7,558.01	81.66	31.59	-90.15	498.23	6,369.27	5,346.60	5,237.68	108.92	49.085		
13,400.00	7,630.00	7,666.02	7,558.53	83.14	31.59	-90.16	498.22	6,369.27	5,417.38	5,307.52	109.85	49.314		
13,500.00	7,630.00	7,666.55	7,559.05	84.63	31.59	-90.17	498.22	6,369.27	5,489.06	5,378.31	110.75	49.561		
13,600.00	7,630.00	7,667.07	7,559.57	86.14	31.59	-90.17	498.22	6,369.28	5,561.62	5,450.00	111.62	49.826		
13,700.00	7,630.00	7,667.59	7,560.10	87.65	31.59	-90.18	498.21	6,369.28	5,635.02	5,522.57	112.46	50.107		
13,800.00	7,630.00	7,668.11	7,560.62	89.17	31.60	-90.19	498.21	6,369.28	5,709.23	5,595.96	113.27	50.405		
13,900.00	7,630.00	7,668.63	7,561.14	90.70	31.60	-90.20	498.20	6,369.28	5,784.22	5,670.17	114.05	50.717		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
14,000.00	7,630.00	7,669.15	7,561.66	92.24	31.60	-90.21	498.20	6,369.28	5,859.95	5,745.15	114.80	51.043		
14,100.00	7,630.00	7,669.67	7,562.17	93.78	31.60	-90.21	498.20	6,369.29	5,936.40	5,820.87	115.53	51.383		
14,200.00	7,630.00	7,670.19	7,562.69	95.33	31.60	-90.22	498.19	6,369.29	6,013.54	5,897.31	116.24	51.736		
14,300.00	7,630.00	7,670.70	7,563.21	96.89	31.60	-90.23	498.19	6,369.29	6,091.35	5,974.43	116.91	52.101		
14,400.00	7,630.00	7,671.22	7,563.73	98.46	31.61	-90.24	498.19	6,369.29	6,169.79	6,052.22	117.57	52.478		
14,500.00	7,630.00	7,671.74	7,564.24	100.03	31.61	-90.24	498.18	6,369.30	6,248.86	6,130.65	118.20	52.865		
14,600.00	7,630.00	7,672.25	7,564.76	101.61	31.61	-90.25	498.18	6,369.30	6,328.51	6,209.69	118.82	53.263		
14,700.00	7,630.00	7,672.77	7,565.27	103.20	31.61	-90.26	498.18	6,369.30	6,408.73	6,289.33	119.41	53.672		
14,800.00	7,630.00	7,673.28	7,565.79	104.78	31.61	-90.27	498.17	6,369.30	6,489.51	6,369.53	119.98	54.089		
14,900.00	7,630.00	7,673.80	7,566.30	106.38	31.61	-90.28	498.17	6,369.30	6,570.81	6,450.28	120.53	54.516		
15,000.00	7,630.00	7,674.31	7,566.82	107.98	31.61	-90.28	498.17	6,369.31	6,652.62	6,531.56	121.06	54.952		
15,100.00	7,630.00	7,674.82	7,567.33	109.58	31.62	-90.29	498.16	6,369.31	6,734.92	6,613.34	121.58	55.395		
15,200.00	7,630.00	7,675.34	7,567.84	111.19	31.62	-90.30	498.16	6,369.31	6,817.70	6,695.62	122.08	55.847		
15,300.00	7,630.00	7,675.85	7,568.35	112.81	31.62	-90.31	498.16	6,369.31	6,900.93	6,778.37	122.56	56.306		
15,400.00	7,630.00	7,676.36	7,568.86	114.42	31.62	-90.31	498.15	6,369.32	6,984.60	6,861.58	123.03	56.773		
15,500.00	7,630.00	7,676.87	7,569.37	116.05	31.62	-90.32	498.15	6,369.32	7,068.70	6,945.22	123.48	57.246		
15,600.00	7,630.00	7,677.38	7,569.88	117.67	31.62	-90.33	498.15	6,369.32	7,153.20	7,029.29	123.92	57.726		
15,700.00	7,630.00	7,677.89	7,570.39	119.30	31.62	-90.34	498.14	6,369.32	7,238.11	7,113.76	124.34	58.212		
15,800.00	7,630.00	7,678.39	7,570.90	120.93	31.63	-90.35	498.14	6,369.32	7,323.39	7,198.64	124.75	58.704		
15,900.00	7,630.00	7,678.90	7,571.41	122.57	31.63	-90.35	498.14	6,369.33	7,409.04	7,283.89	125.15	59.202		
16,000.00	7,630.00	7,679.41	7,571.91	124.21	31.63	-90.36	498.13	6,369.33	7,495.04	7,369.51	125.53	59.705		
16,100.00	7,630.00	7,679.92	7,572.42	125.85	31.63	-90.37	498.13	6,369.33	7,581.39	7,455.48	125.91	60.214		
16,200.00	7,630.00	7,680.42	7,572.93	127.50	31.63	-90.38	498.13	6,369.33	7,668.07	7,541.80	126.27	60.728		
16,300.00	7,630.00	7,680.93	7,573.43	129.15	31.63	-90.38	498.13	6,369.34	7,755.07	7,628.45	126.62	61.246		
16,400.00	7,630.00	7,681.43	7,573.94	130.80	31.64	-90.39	498.12	6,369.34	7,842.38	7,715.42	126.96	61.770		
16,500.00	7,630.00	7,681.94	7,574.44	132.46	31.64	-90.40	498.12	6,369.34	7,929.99	7,802.70	127.29	62.297		
16,600.00	7,630.00	7,682.44	7,574.95	134.11	31.64	-90.41	498.12	6,369.34	8,017.89	7,890.28	127.61	62.829		
16,700.00	7,630.00	7,682.94	7,575.45	135.77	31.64	-90.41	498.11	6,369.35	8,106.07	7,978.15	127.93	63.365		
16,800.00	7,630.00	7,683.45	7,575.95	137.43	31.64	-90.42	498.11	6,369.35	8,194.52	8,066.30	128.23	63.905		
16,900.00	7,630.00	7,683.95	7,576.45	139.10	31.64	-90.43	498.11	6,369.35	8,283.24	8,154.72	128.52	64.449		
17,000.00	7,630.00	7,684.45	7,576.95	140.77	31.64	-90.44	498.10	6,369.35	8,372.21	8,243.40	128.81	64.997		
17,100.00	7,630.00	7,684.95	7,577.46	142.44	31.65	-90.44	498.10	6,369.36	8,461.42	8,332.33	129.09	65.548		
17,200.00	7,630.00	7,685.45	7,577.96	144.11	31.65	-90.45	498.10	6,369.36	8,550.88	8,421.52	129.36	66.102		
17,300.00	7,630.00	7,685.95	7,578.46	145.78	31.65	-90.46	498.09	6,369.36	8,640.56	8,510.94	129.62	66.659		
17,400.00	7,630.00	7,686.45	7,578.95	147.46	31.65	-90.47	498.09	6,369.36	8,730.47	8,600.59	129.88	67.220		
17,500.00	7,630.00	7,686.95	7,579.45	149.13	31.65	-90.47	498.09	6,369.37	8,820.60	8,690.47	130.13	67.784		
17,600.00	7,630.00	7,687.45	7,579.95	150.81	31.65	-90.48	498.08	6,369.37	8,910.93	8,780.56	130.37	68.350		
17,700.00	7,630.00	7,687.94	7,580.45	152.49	31.65	-90.49	498.08	6,369.37	9,001.48	8,870.87	130.61	68.919		
17,800.00	7,630.00	7,688.44	7,580.94	154.18	31.66	-90.50	498.08	6,369.37	9,092.22	8,961.38	130.84	69.491		
17,900.00	7,630.00	7,688.94	7,581.44	155.86	31.66	-90.50	498.07	6,369.38	9,183.15	9,052.08	131.07	70.065		
18,000.00	7,630.00	7,689.43	7,581.94	157.55	31.66	-90.51	498.07	6,369.38	9,274.27	9,142.98	131.29	70.642		
18,100.00	7,630.00	7,689.93	7,582.43	159.24	31.66	-90.52	498.07	6,369.38	9,365.57	9,234.07	131.50	71.221		
18,200.00	7,630.00	7,690.42	7,582.93	160.92	31.66	-90.53	498.06	6,369.38	9,457.04	9,325.33	131.71	71.803		
18,300.00	7,630.00	7,690.92	7,583.42	162.62	31.66	-90.53	498.06	6,369.39	9,548.69	9,416.78	131.91	72.386		
18,400.00	7,630.00	7,691.41	7,583.91	164.31	31.67	-90.54	498.06	6,369.39	9,640.50	9,508.39	132.11	72.972		
18,458.39	7,630.00	7,691.70	7,584.20	165.30	31.67	-90.55	498.06	6,369.39	9,694.19	9,561.96	132.23	73.315		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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 8-4-23 - OWB - FINAL SURVEY													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	82.06	757.95	5,434.13	5,487.36					
100.00	100.00	21.08	21.08	0.13	0.03	82.06	757.94	5,434.12	5,486.72	5,486.56	0.17	N/A		
200.00	200.00	117.01	117.01	0.49	0.26	82.07	757.30	5,434.05	5,486.57	5,485.82	0.75	7,316.265		
200.03	200.03	117.03	117.03	0.49	0.26	82.07	757.30	5,434.05	5,486.57	5,485.82	0.75	7,314.473		
300.00	300.00	169.00	168.97	0.85	0.45	82.08	755.85	5,434.35	5,486.87	5,485.58	1.30	4,234.353		
400.00	400.00	235.02	234.90	1.21	0.69	82.12	752.49	5,435.44	5,487.89	5,485.99	1.90	2,891.117		
500.00	500.00	292.34	292.03	1.57	0.91	82.16	748.20	5,437.14	5,489.80	5,487.33	2.47	2,219.330		
600.00	600.00	351.00	350.39	1.93	1.13	82.22	742.77	5,439.42	5,492.42	5,489.37	3.06	1,796.181		
700.00	700.00	410.66	409.61	2.29	1.37	82.30	736.12	5,442.32	5,495.79	5,492.14	3.66	1,502.656		
800.00	800.00	442.00	440.64	2.64	1.50	82.34	732.12	5,444.11	5,500.07	5,495.93	4.14	1,327.605		
900.00	900.00	494.37	492.34	3.00	1.73	82.42	724.62	5,447.76	5,505.32	5,500.60	4.73	1,164.551		
1,000.00	1,000.00	533.00	530.32	3.36	1.90	82.49	718.40	5,451.09	5,511.80	5,506.55	5.25	1,049.604		
1,100.00	1,100.00	565.74	562.40	3.72	2.06	82.56	712.70	5,454.33	5,519.45	5,513.69	5.76	958.256		
1,200.00	1,199.98	624.00	619.21	4.07	2.34	31.54	701.69	5,461.06	5,526.93	5,520.55	6.38	865.819		
1,300.00	1,299.84	645.60	640.18	4.43	2.46	31.54	697.31	5,463.81	5,532.32	5,525.49	6.84	809.188		
1,400.00	1,399.45	715.00	707.22	4.79	2.82	31.71	681.96	5,473.05	5,535.67	5,528.13	7.54	734.285		
1,500.00	1,498.70	758.06	748.56	5.15	3.07	31.84	671.57	5,479.17	5,536.87	5,528.75	8.12	681.479		
1,600.00	1,597.47	808.00	796.25	5.53	3.36	32.03	658.85	5,486.76	5,536.14	5,527.39	8.75	632.518		
1,700.00	1,695.62	858.34	844.05	5.93	3.67	32.25	645.29	5,494.87	5,533.41	5,524.00	9.41	588.100		
1,800.00	1,793.06	914.54	897.10	6.35	4.03	32.55	629.33	5,504.32	5,528.62	5,518.51	10.11	546.812		
1,900.00	1,889.64	975.10	954.13	6.79	4.43	32.90	611.90	5,514.85	5,521.73	5,510.88	10.86	508.498		
2,000.00	1,985.27	1,064.09	1,037.78	7.27	5.02	33.42	585.96	5,530.65	5,512.60	5,500.78	11.81	466.686		
2,100.00	2,079.82	1,147.22	1,115.66	7.79	5.59	33.97	560.94	5,545.39	5,500.91	5,488.15	12.76	431.263		
2,200.00	2,173.17	2,200.00	1,303.49	8.36	12.70	35.19	502.05	5,578.10	5,485.23	5,465.32	19.90	275.587		
2,300.00	2,265.21	1,399.04	1,352.75	8.97	7.30	35.69	486.59	5,586.31	5,467.08	5,451.82	15.26	358.347		
2,400.00	2,355.84	1,433.00	1,384.64	9.64	7.54	36.12	476.38	5,591.96	5,447.37	5,431.44	15.94	341.754		
2,500.00	2,444.94	1,475.08	1,423.99	10.36	7.84	36.63	463.42	5,599.29	5,426.10	5,409.38	16.72	324.623		
2,591.69	2,525.19	1,527.00	1,472.24	11.07	8.21	37.23	446.79	5,608.85	5,405.33	5,387.78	17.54	308.084		
2,600.00	2,532.40	1,527.00	1,472.24	11.14	8.21	37.23	446.79	5,608.85	5,403.36	5,385.77	17.59	307.183		
2,700.00	2,619.15	1,574.42	1,516.15	11.96	8.57	37.54	431.28	5,617.82	5,380.52	5,362.05	18.46	291.394		
2,800.00	2,705.89	1,655.59	1,591.32	12.81	9.17	38.08	404.74	5,633.09	5,358.34	5,338.74	19.60	273.389		
2,900.00	2,792.64	2,900.00	1,701.70	13.67	18.27	38.87	366.85	5,655.02	5,336.51	5,308.00	28.51	187.187		
3,000.00	2,879.39	1,882.47	1,802.74	14.55	10.82	39.58	333.42	5,674.14	5,314.61	5,292.25	22.35	237.763		
3,100.00	2,966.14	1,959.68	1,875.20	15.44	11.37	40.08	310.51	5,687.82	5,293.34	5,269.86	23.48	225.418		
3,200.00	3,052.88	2,036.25	1,947.17	16.34	11.90	40.58	288.20	5,701.41	5,272.71	5,248.09	24.62	214.183		
3,300.00	3,139.63	2,105.03	2,011.80	17.25	12.38	41.03	268.15	5,713.70	5,252.79	5,227.07	25.71	204.279		
3,400.00	3,226.38	2,162.74	2,065.90	18.17	12.79	41.41	250.98	5,724.16	5,233.76	5,207.01	26.75	195.654		
3,500.00	3,313.12	2,221.82	2,121.13	19.09	13.22	41.80	233.05	5,735.07	5,215.71	5,187.90	27.81	187.551		
3,600.00	3,399.87	2,349.24	2,240.28	20.02	14.13	42.66	194.61	5,758.71	5,198.56	5,169.21	29.35	177.099		
3,700.00	3,486.62	2,471.37	2,355.23	20.96	14.98	43.47	159.25	5,779.96	5,180.80	5,149.95	30.85	167.921		
3,800.00	3,573.37	2,534.41	2,414.61	21.90	15.42	43.89	141.11	5,790.88	5,163.64	5,131.68	31.96	161.578		
3,900.00	3,660.11	2,595.87	2,472.35	22.84	15.85	44.30	122.97	5,801.61	5,147.37	5,114.30	33.07	155.664		
4,000.00	3,746.86	2,659.97	2,532.26	23.78	16.31	44.74	103.20	5,812.91	5,132.08	5,097.87	34.21	150.035		
4,100.00	3,833.61	2,765.07	2,630.93	24.73	17.06	45.46	72.10	5,831.39	5,117.27	5,081.63	35.63	143.603		
4,200.00	3,920.35	2,831.79	2,693.62	25.68	17.52	45.91	52.51	5,843.12	5,103.13	5,066.34	36.80	138.684		
4,300.00	4,007.10	2,883.54	2,742.10	26.63	17.90	46.27	36.91	5,852.33	5,090.00	5,052.13	37.87	134.418		
4,400.00	4,093.85	2,935.10	2,790.26	27.59	18.27	46.63	21.07	5,861.73	5,078.02	5,039.08	38.94	130.405		
4,500.00	4,180.60	2,996.32	2,847.32	28.55	18.72	47.06	1.99	5,873.08	5,067.10	5,027.01	40.09	126.384		
4,600.00	4,267.34	3,066.36	2,912.47	29.50	19.24	47.55	-20.10	5,886.19	5,057.15	5,015.84	41.32	122.398		
4,700.00	4,354.09	3,147.19	2,987.53	30.46	19.84	48.13	-46.04	5,901.24	5,048.00	5,005.36	42.63	118.408		
4,800.00	4,440.84	3,258.40	3,090.56	31.42	20.68	48.93	-82.77	5,921.35	5,039.44	4,995.25	44.19	114.038		
4,900.00	4,527.58	3,373.97	3,198.24	32.39	21.53	49.76	-119.53	5,941.58	5,030.87	4,985.10	45.77	109.917		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference 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	4,614.33	3,442.76	3,262.75	33.35	22.02	50.24	-139.98	5,953.87	5,022.90	4,975.91	46.99	106.901		
5,100.00	4,701.08	3,492.00	3,308.93	34.31	22.37	50.58	-154.55	5,962.86	5,015.97	4,967.91	48.06	104.374		
5,200.00	4,787.82	3,541.05	3,354.79	35.28	22.73	50.92	-169.36	5,972.01	5,010.25	4,961.12	49.13	101.973		
5,300.00	4,874.57	3,586.00	3,396.59	36.25	23.06	51.24	-183.45	5,980.60	5,005.89	4,955.71	50.18	99.767		
5,400.00	4,961.32	3,670.56	3,475.17	37.21	23.69	51.85	-210.04	5,996.98	5,002.53	4,951.00	51.53	97.084		
5,500.00	5,048.07	3,849.53	3,642.82	38.18	24.97	53.10	-263.32	6,029.91	4,998.31	4,944.73	53.57	93.299		
5,600.00	5,134.81	3,920.25	3,709.18	39.15	25.48	53.60	-284.24	6,042.59	4,994.82	4,940.01	54.81	91.126		
5,700.00	5,221.56	3,961.00	3,747.25	40.12	25.77	53.89	-296.87	6,049.74	4,992.34	4,936.52	55.83	89.428		
5,800.00	5,308.31	4,019.16	3,801.47	41.09	26.20	54.31	-315.14	6,060.19	4,991.04	4,934.07	56.97	87.601		
5,842.68	5,345.33	4,037.04	3,818.12	41.50	26.33	54.43	-320.73	6,063.54	4,990.92	4,933.51	57.41	86.935		
5,900.00	5,395.05	4,065.51	3,844.62	42.06	26.54	54.64	-329.61	6,068.99	4,991.13	4,933.11	58.03	86.014		
6,000.00	5,481.80	4,143.64	3,917.33	43.03	27.12	55.19	-353.86	6,084.10	4,992.22	4,932.90	59.33	84.149		
6,100.00	5,568.55	4,265.27	4,030.58	44.00	28.02	56.06	-392.05	6,106.67	4,993.57	4,932.60	60.97	81.897		
6,200.00	5,655.30	4,319.38	4,080.96	44.97	28.42	56.45	-409.07	6,116.68	4,995.72	4,933.64	62.08	80.467		
6,300.00	5,742.04	4,370.20	4,128.26	45.94	28.80	56.81	-424.89	6,126.42	4,999.04	4,935.88	63.16	79.148		
6,400.00	5,828.79	4,430.00	4,183.84	46.92	29.24	57.23	-443.51	6,138.29	5,003.61	4,939.30	64.30	77.811		
6,500.00	5,915.54	4,494.79	4,243.98	47.89	29.73	57.69	-463.77	6,151.34	5,009.19	4,943.70	65.49	76.493		
6,600.00	6,002.28	4,588.41	4,330.77	48.86	30.44	58.36	-493.66	6,169.70	5,015.45	4,948.54	66.91	74.958		
6,700.00	6,089.03	4,660.33	4,397.24	49.83	30.99	58.89	-517.67	6,183.07	5,022.32	4,954.16	68.16	73.684		
6,800.00	6,175.78	4,733.65	4,461.44	50.81	31.26	59.95	-545.45	6,197.34	5,031.51	4,963.09	70.41	71.363		
6,900.00	6,262.53	4,807.47	4,532.26	51.78	31.94	60.50	-575.70	6,212.61	5,043.66	4,975.11	73.75	69.033		
7,000.00	6,349.27	4,882.52	4,603.30	52.76	32.62	61.07	-606.68	6,228.88	5,056.81	4,988.35	77.09	66.703		
7,100.00	6,436.02	4,958.85	4,674.62	53.73	33.37	61.54	-638.50	6,244.20	5,070.63	4,999.81	80.82	64.305		
7,200.00	6,522.77	5,035.11	4,745.87	54.71	34.08	62.01	-670.93	6,259.57	5,085.77	5,011.79	84.57	61.858		
7,300.00	6,609.51	5,111.38	4,817.12	55.68	34.74	62.48	-703.45	6,270.91	5,097.24	5,023.83	88.82	59.368		
7,400.00	6,696.26	5,187.68	4,888.39	56.66	35.46	62.95	-736.51	6,282.29	5,109.66	5,036.36	93.57	56.833		
7,500.00	6,783.01	5,263.01	4,959.67	57.63	36.14	63.42	-769.42	6,293.61	5,121.93	5,048.83	98.82	54.283		
7,600.00	6,869.76	5,338.30	5,030.96	58.61	36.86	63.89	-802.43	6,304.93	5,134.20	5,061.10	104.57	51.733		
7,683.49	6,942.18	5,413.63	5,102.24	59.42	37.33	64.36	-835.77	6,316.25	5,146.47	5,073.37	110.82	49.183		
7,700.00	6,956.57	5,427.99	5,116.63	59.58	37.45	64.48	-840.66	6,318.18	5,148.62	5,075.87	112.75	48.518		
7,750.00	7,000.85	5,471.27	5,160.91	60.04	37.78	64.98	-850.33	6,321.97	5,153.92	5,081.65	116.27	47.228		
7,800.00	7,045.94	5,515.36	5,205.00	60.46	38.03	65.20	-799.89	6,331.88	5,161.89	5,089.15	118.75	46.288		
7,850.00	7,091.49	5,559.45	5,249.09	60.84	41.11	40.56	-799.16	6,328.41	5,162.11	5,089.21	89.27	53.791		
7,900.00	7,137.15	5,603.54	5,293.18	61.17	41.90	27.75	-799.58	6,327.70	5,163.02	5,090.31	90.71	52.729		
7,950.00	7,182.58	5,647.63	5,337.27	61.44	41.23	15.41	-799.92	6,325.30	5,162.04	5,089.08	89.95	52.939		
8,000.00	7,227.43	5,691.72	5,381.36	61.67	41.27	3.91	-800.18	6,324.66	5,161.10	5,088.32	90.18	52.549		
8,050.00	7,271.36	5,735.81	5,425.45	61.84	41.30	-6.39	-800.45	6,324.13	5,160.43	5,087.65	90.35	52.181		
8,100.00	7,314.04	5,779.90	5,469.54	61.96	41.37	-15.59	-801.15	6,323.27	5,159.82	5,087.05	90.47	51.823		
8,150.00	7,355.14	5,824.00	5,513.63	62.04	41.37	-23.78	-801.15	6,323.27	5,159.82	5,087.05	90.49	51.507		
8,200.00	7,394.34	5,868.09	5,557.72	62.07	41.37	-31.20	-801.15	6,323.27	5,159.82	5,087.05	90.44	51.215		
8,250.00	7,431.36	5,912.18	5,601.81	62.06	41.44	-38.22	-801.73	6,322.92	5,159.07	5,086.30	90.37	50.923		
8,300.00	7,465.90	5,956.27	5,645.90	62.01	41.48	-44.76	-802.02	6,322.86	5,158.15	5,085.48	90.23	50.663		
8,350.00	7,497.71	5,999.36	5,689.99	61.93	41.52	-50.97	-802.27	6,322.86	5,157.23	5,084.56	90.04	50.427		
8,400.00	7,526.53	6,042.45	5,734.08	61.81	41.60	-57.08	-802.73	6,323.25	5,156.31	5,083.64	89.83	50.201		
8,450.00	7,552.17	6,085.54	5,778.17	61.66	41.60	-62.52	-802.73	6,323.25	5,155.39	5,082.72	89.52	50.023		
8,500.00	7,574.41	6,128.63	5,822.26	61.48	41.60	-67.60	-802.73	6,323.25	5,154.47	5,081.80	89.17	49.870		
8,550.00	7,593.09	6,171.72	5,866.35	61.29	41.60	-72.29	-802.73	6,323.25	5,153.55	5,080.88	88.79	49.743		
8,600.00	7,608.07	6,214.81	5,910.44	61.07	41.65	-76.89	-803.03	6,323.64	5,152.63	5,079.96	88.41	49.623		
8,650.00	7,619.23	6,257.90	5,954.53	60.84	41.67	-80.85	-803.13	6,323.77	5,151.71	5,079.04	87.98	49.541		
8,700.00	7,626.48	6,301.00	5,998.62	60.60	41.68	-84.32	-803.21	6,323.86	5,150.79	5,078.12	87.52	49.486		
8,750.00	7,629.78	6,344.09	6,042.71	60.35	41.69	-87.30	-803.25	6,323.91	5,149.87	5,077.20	87.05	49.459		
8,766.45	7,630.00	6,387.18	6,086.80	60.27	41.69	-88.17	-803.25	6,323.92	5,148.95	5,076.28	86.89	49.457		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference 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		
8,800.00	7,630.00	7,739.53	7,426.91	60.10	41.69	-88.17	-803.26	6,323.92	4,281.40	4,194.83	86.57	49.455		
8,900.00	7,630.00	7,740.50	7,427.88	59.61	41.69	-88.19	-803.28	6,323.95	4,234.61	4,148.98	85.63	49.454		
9,000.00	7,630.00	7,741.48	7,428.86	59.15	41.69	-88.20	-803.29	6,323.97	4,189.68	4,104.97	84.71	49.459		
9,100.00	7,630.00	7,742.48	7,429.86	58.71	41.70	-88.22	-803.31	6,323.99	4,146.68	4,062.85	83.83	49.467		
9,200.00	7,630.00	7,743.50	7,430.88	58.30	41.70	-88.23	-803.33	6,324.01	4,105.66	4,022.67	82.99	49.474		
9,300.00	7,630.00	7,744.54	7,431.92	57.91	41.70	-88.25	-803.35	6,324.04	4,066.69	3,984.48	82.20	49.472		
9,400.00	7,630.00	7,745.60	7,432.98	57.54	41.70	-88.26	-803.37	6,324.06	4,029.82	3,948.34	81.48	49.457		
9,500.00	7,630.00	7,746.69	7,434.06	57.19	41.71	-88.28	-803.39	6,324.09	3,995.11	3,914.27	80.84	49.421		
9,600.00	7,630.00	7,747.79	7,435.17	56.87	41.71	-88.30	-803.42	6,324.11	3,962.63	3,882.34	80.28	49.357		
9,700.00	7,630.00	7,748.92	7,436.29	56.57	41.71	-88.31	-803.44	6,324.14	3,932.42	3,852.58	79.83	49.258		
9,800.00	7,630.00	7,750.07	7,437.44	56.30	41.72	-88.33	-803.46	6,324.16	3,904.53	3,825.04	79.50	49.116		
9,900.00	7,630.00	7,751.24	7,438.61	56.05	41.72	-88.35	-803.48	6,324.19	3,879.03	3,799.74	79.29	48.924		
10,000.00	7,630.00	7,752.44	7,439.81	55.82	41.72	-88.37	-803.51	6,324.22	3,855.95	3,776.73	79.22	48.676		
10,100.00	7,630.00	7,753.66	7,441.03	55.63	41.73	-88.39	-803.53	6,324.25	3,835.33	3,756.04	79.29	48.369		
10,200.00	7,630.00	7,754.91	7,442.28	55.46	41.73	-88.41	-803.56	6,324.28	3,817.23	3,737.70	79.52	48.000		
10,300.00	7,630.00	7,756.18	7,443.56	55.32	41.73	-88.42	-803.59	6,324.31	3,801.67	3,721.75	79.92	47.571		
10,400.00	7,630.00	7,757.48	7,444.86	55.22	41.74	-88.44	-803.61	6,324.34	3,788.69	3,708.22	80.47	47.083		
10,500.00	7,630.00	7,758.82	7,446.19	55.15	41.74	-88.46	-803.64	6,324.37	3,778.30	3,697.12	81.18	46.542		
10,600.00	7,630.00	7,760.18	7,447.55	55.14	41.74	-88.49	-803.67	6,324.41	3,770.55	3,688.50	82.05	45.956		
10,700.00	7,630.00	7,761.57	7,448.94	55.18	41.75	-88.51	-803.70	6,324.44	3,765.43	3,682.37	83.06	45.333		
10,800.00	7,630.00	7,762.99	7,450.36	55.28	41.75	-88.53	-803.74	6,324.48	3,762.96	3,678.75	84.21	44.684		
10,842.90	7,630.00	7,763.61	7,450.98	55.35	41.75	-88.54	-803.75	6,324.50	3,762.72	3,677.97	84.75	44.398 CC		
10,900.00	7,630.00	7,764.45	7,451.82	55.47	41.75	-88.55	-803.77	6,324.52	3,763.15	3,677.66	85.49	44.020 ES		
11,000.00	7,630.00	7,765.94	7,453.31	55.74	41.76	-88.57	-803.80	6,324.55	3,765.99	3,679.12	86.87	43.351		
11,100.00	7,630.00	7,767.47	7,454.83	56.11	41.76	-88.60	-803.84	6,324.59	3,771.49	3,683.13	88.36	42.686		
11,200.00	7,630.00	7,769.03	7,456.39	56.60	41.77	-88.62	-803.87	6,324.64	3,779.62	3,689.70	89.92	42.034		
11,300.00	7,630.00	7,770.63	7,457.99	57.20	41.77	-88.64	-803.91	6,324.68	3,790.37	3,698.82	91.55	41.402		
11,400.00	7,630.00	7,772.27	7,459.63	57.91	41.78	-88.67	-803.95	6,324.72	3,803.72	3,710.49	93.23	40.798		
11,500.00	7,630.00	7,773.94	7,461.31	58.72	41.78	-88.70	-803.99	6,324.77	3,819.64	3,724.69	94.96	40.226		
11,600.00	7,630.00	7,775.67	7,463.03	59.63	41.78	-88.72	-804.03	6,324.81	3,838.10	3,741.40	96.70	39.690		
11,700.00	7,630.00	7,777.43	7,464.79	60.61	41.79	-88.75	-804.08	6,324.86	3,859.07	3,760.60	98.47	39.192		
11,800.00	7,630.00	7,779.24	7,466.60	61.67	41.79	-88.78	-804.12	6,324.91	3,882.49	3,782.26	100.23	38.735		
11,900.00	7,630.00	7,781.10	7,468.46	62.78	41.80	-88.80	-804.17	6,324.96	3,908.33	3,806.34	101.99	38.320		
12,000.00	7,630.00	7,783.00	7,470.36	63.95	41.80	-88.83	-804.22	6,325.02	3,936.55	3,832.81	103.74	37.947		
12,100.00	7,630.00	7,784.96	7,472.32	65.16	41.81	-88.86	-804.27	6,325.07	3,967.08	3,861.62	105.46	37.616		
12,200.00	7,630.00	7,786.97	7,474.32	66.41	41.81	-88.89	-804.32	6,325.13	3,999.88	3,892.72	107.16	37.326		
12,300.00	7,630.00	7,789.03	7,476.39	67.68	41.82	-88.92	-804.38	6,325.19	4,034.89	3,926.07	108.82	37.078		
12,400.00	7,630.00	7,791.16	7,478.51	68.99	41.83	-88.96	-804.43	6,325.25	4,072.05	3,961.61	110.45	36.868		
12,500.00	7,630.00	7,793.34	7,480.69	70.33	41.83	-88.99	-804.49	6,325.31	4,111.31	3,999.28	112.03	36.698		
12,600.00	7,630.00	7,795.58	7,482.93	71.68	41.84	-89.02	-804.56	6,325.38	4,152.61	4,039.04	113.57	36.564		
12,700.00	7,630.00	7,797.89	7,485.24	73.06	41.84	-89.06	-804.62	6,325.45	4,195.88	4,080.82	115.06	36.466		
12,800.00	7,630.00	7,800.25	7,487.59	74.45	41.85	-89.10	-804.69	6,325.52	4,241.07	4,124.56	116.51	36.402		
12,900.00	7,630.00	7,802.63	7,489.97	75.87	41.86	-89.13	-804.76	6,325.60	4,288.11	4,170.21	117.90	36.370		
13,000.00	7,630.00	7,805.05	7,492.39	77.29	41.86	-89.17	-804.83	6,325.67	4,336.95	4,217.70	119.25	36.369 SF		
13,100.00	7,630.00	7,807.52	7,494.85	78.74	41.87	-89.21	-804.90	6,325.75	4,387.52	4,266.97	120.54	36.398		
13,200.00	7,630.00	7,810.03	7,497.36	80.19	41.88	-89.24	-804.98	6,325.83	4,439.76	4,317.98	121.79	36.456		
13,300.00	7,630.00	7,812.58	7,499.91	81.66	41.89	-89.28	-805.05	6,325.91	4,493.62	4,370.64	122.98	36.540		
13,400.00	7,630.00	7,815.17	7,502.50	83.14	41.89	-89.32	-805.13	6,325.99	4,549.04	4,424.92	124.12	36.649		
13,500.00	7,630.00	7,817.82	7,505.14	84.63	41.90	-89.36	-805.21	6,326.08	4,605.97	4,480.75	125.22	36.783		
13,600.00	7,630.00	7,820.51	7,507.83	86.14	41.91	-89.40	-805.30	6,326.17	4,664.34	4,538.07	126.27	36.940		
13,700.00	7,630.00	7,823.24	7,510.56	87.65	41.92	-89.45	-805.38	6,326.26	4,724.10	4,596.83	127.27	37.118		
13,800.00	7,630.00	7,826.03	7,513.35	89.17	41.93	-89.49	-805.47	6,326.35	4,785.21	4,656.98	128.23	37.318		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference 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		
13,900.00	7,630.00	7,828.87	7,516.19	90.70	41.93	-89.53	-805.56	6,326.44	4,847.61	4,718.46	129.14	37.536		
14,000.00	7,630.00	7,831.76	7,519.08	92.24	41.94	-89.57	-805.65	6,326.54	4,911.25	4,781.23	130.02	37.774		
14,100.00	7,630.00	7,834.71	7,522.02	93.78	41.95	-89.62	-805.74	6,326.64	4,976.08	4,845.23	130.85	38.029		
14,200.00	7,630.00	7,837.71	7,525.02	95.33	41.96	-89.67	-805.84	6,326.75	5,042.06	4,910.42	131.64	38.301		
14,300.00	7,630.00	7,840.77	7,528.07	96.89	41.97	-89.71	-805.94	6,326.85	5,109.15	4,976.75	132.40	38.589		
14,400.00	7,630.00	7,843.89	7,531.19	98.46	41.98	-89.76	-806.05	6,326.96	5,177.29	5,044.17	133.12	38.892		
14,500.00	7,630.00	7,847.07	7,534.37	100.03	41.99	-89.81	-806.15	6,327.08	5,246.46	5,112.65	133.80	39.210		
14,600.00	7,630.00	7,850.31	7,537.60	101.61	42.00	-89.86	-806.26	6,327.19	5,316.60	5,182.14	134.46	39.541		
14,700.00	7,630.00	7,853.62	7,540.91	103.20	42.01	-89.91	-806.38	6,327.31	5,387.69	5,252.61	135.08	39.885		
14,800.00	7,630.00	7,856.99	7,544.28	104.78	42.02	-89.96	-806.49	6,327.44	5,459.67	5,324.00	135.67	40.242		
14,900.00	7,630.00	7,860.44	7,547.71	106.38	42.03	-90.01	-806.61	6,327.56	5,532.53	5,396.30	136.24	40.610		
15,000.00	7,630.00	7,863.95	7,551.22	107.98	42.04	-90.06	-806.73	6,327.70	5,606.22	5,469.45	136.77	40.989		
15,100.00	7,630.00	7,867.53	7,554.80	109.58	42.05	-90.12	-806.86	6,327.83	5,680.72	5,543.43	137.28	41.380		
15,200.00	7,630.00	7,871.19	7,558.46	111.19	42.06	-90.17	-806.99	6,327.97	5,755.98	5,618.21	137.77	41.780		
15,300.00	7,630.00	7,874.93	7,562.19	112.81	42.07	-90.23	-807.13	6,328.12	5,831.99	5,693.76	138.23	42.190		
15,400.00	7,630.00	7,878.75	7,566.00	114.42	42.08	-90.29	-807.27	6,328.26	5,908.71	5,770.03	138.67	42.609		
15,500.00	7,630.00	7,882.65	7,569.89	116.05	42.09	-90.35	-807.41	6,328.42	5,986.11	5,847.02	139.09	43.037		
15,600.00	7,630.00	7,886.63	7,573.87	117.67	42.10	-90.41	-807.56	6,328.58	6,064.17	5,924.68	139.49	43.473		
15,700.00	7,630.00	7,890.70	7,577.94	119.30	42.11	-90.47	-807.72	6,328.74	6,142.87	6,002.99	139.88	43.917		
15,800.00	7,630.00	7,896.75	7,583.98	120.93	42.13	-90.56	-807.95	6,328.99	6,222.17	6,081.93	140.24	44.368		
15,900.00	7,630.00	7,903.54	7,590.76	122.57	42.15	-90.67	-808.20	6,329.25	6,302.06	6,161.47	140.59	44.826		
16,000.00	7,630.00	7,910.17	7,597.38	124.21	42.17	-90.77	-808.45	6,329.50	6,382.52	6,241.59	140.92	45.291		
16,100.00	7,630.00	7,916.65	7,603.85	125.85	42.19	-90.86	-808.69	6,329.74	6,463.51	6,322.27	141.24	45.763		
16,200.00	7,630.00	7,922.98	7,610.17	127.50	42.21	-90.96	-808.92	6,329.96	6,545.03	6,403.49	141.54	46.241		
16,300.00	7,630.00	7,929.16	7,616.34	129.15	42.22	-91.05	-809.14	6,330.16	6,627.05	6,485.22	141.83	46.725		
16,400.00	7,630.00	7,935.21	7,622.38	130.80	42.24	-91.15	-809.35	6,330.36	6,709.55	6,567.44	142.11	47.215		
16,500.00	7,630.00	7,941.12	7,628.29	132.46	42.26	-91.24	-809.56	6,330.55	6,792.52	6,650.15	142.37	47.710		
16,600.00	7,630.00	7,946.90	7,634.07	134.11	42.28	-91.32	-809.76	6,330.72	6,875.94	6,733.32	142.62	48.211		
16,700.00	7,630.00	7,952.56	7,639.72	135.77	42.29	-91.41	-809.96	6,330.88	6,959.80	6,816.94	142.86	48.717		
16,800.00	7,630.00	7,958.10	7,645.25	137.43	42.31	-91.49	-810.15	6,331.03	7,044.07	6,900.98	143.09	49.228		
16,900.00	7,630.00	7,963.51	7,650.66	139.10	42.32	-91.58	-810.33	6,331.18	7,128.75	6,985.44	143.31	49.744		
17,000.00	7,630.00	7,968.82	7,655.96	140.77	42.34	-91.66	-810.50	6,331.31	7,213.82	7,070.30	143.52	50.264		
17,100.00	7,630.00	7,974.01	7,661.15	142.44	42.35	-91.74	-810.68	6,331.44	7,299.26	7,155.55	143.72	50.789		
17,200.00	7,630.00	7,979.10	7,666.23	144.11	42.37	-91.81	-810.84	6,331.56	7,385.07	7,241.16	143.91	51.318		
17,300.00	7,630.00	7,984.08	7,671.21	145.78	42.38	-91.89	-811.00	6,331.67	7,471.23	7,327.14	144.09	51.851		
17,400.00	7,630.00	7,988.97	7,676.09	147.46	42.40	-91.96	-811.16	6,331.77	7,557.73	7,413.46	144.27	52.388		
17,500.00	7,630.00	7,993.75	7,680.87	149.13	42.41	-92.03	-811.31	6,331.87	7,644.55	7,500.12	144.43	52.928		
17,600.00	7,630.00	7,998.44	7,685.56	150.81	42.43	-92.11	-811.45	6,331.96	7,731.69	7,587.10	144.59	53.472		
17,700.00	7,630.00	8,003.04	7,690.16	152.49	42.44	-92.18	-811.60	6,332.04	7,819.14	7,674.39	144.75	54.019		
17,800.00	7,630.00	8,007.56	7,694.72	154.18	42.45	-92.25	-811.74	6,332.11	7,906.90	7,761.87	144.90	54.575		
17,900.00	7,630.00	8,012.00	7,699.25	155.86	42.46	-92.32	-811.88	6,332.18	7,994.92	7,849.91	145.05	55.143		
18,000.00	7,630.00	8,016.35	7,703.75	157.55	42.47	-92.39	-812.01	6,332.24	8,083.24	7,938.09	145.19	55.722		
18,100.00	7,630.00	8,020.60	7,708.22	159.24	42.48	-92.46	-812.14	6,332.29	8,171.82	8,026.55	145.32	56.313		
18,200.00	7,630.00	8,024.76	7,712.65	160.92	42.49	-92.53	-812.26	6,332.34	8,260.66	8,115.27	145.44	56.915		
18,300.00	7,630.00	8,028.83	7,717.04	162.62	42.50	-92.60	-812.37	6,332.38	8,349.75	8,204.24	145.55	57.528		
18,400.00	7,630.00	8,032.81	7,721.38	164.31	42.51	-92.67	-812.48	6,332.41	8,439.08	8,293.47	145.65	58.152		
18,458.39	7,630.00	8,007.57	7,694.68	165.30	42.45	-92.24	-811.71	6,332.12	8,491.36	8,345.68	145.68	58.288		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	1,149.10	1,126.47	0.00	5.10	83.36	612.85	5,266.33	5,437.86					
100.00	100.00	1,215.00	1,189.69	0.13	5.49	83.49	599.21	5,253.68	5,416.00	5,410.72	5.28	1,025.879		
200.00	200.00	1,301.46	1,272.64	0.49	6.00	83.67	581.02	5,237.43	5,394.57	5,388.69	5.88	916.838		
300.00	300.00	1,569.32	1,528.03	0.85	7.67	84.28	519.60	5,185.10	5,373.21	5,365.64	7.57	710.019		
400.00	400.00	1,728.26	1,678.90	1.21	8.69	84.61	485.49	5,148.59	5,347.50	5,338.80	8.69	615.129		
500.00	500.00	1,782.72	1,730.72	1.57	9.04	84.72	474.25	5,136.20	5,322.47	5,313.18	9.30	572.596		
600.00	600.00	1,869.00	1,812.87	1.93	9.59	84.90	456.34	5,116.82	5,297.81	5,287.74	10.07	526.007		
700.00	700.00	1,930.64	1,871.71	2.29	9.97	85.03	444.09	5,103.15	5,273.62	5,262.90	10.72	491.797		
800.00	800.00	1,988.57	1,927.30	2.64	10.33	85.13	433.61	5,090.64	5,250.24	5,238.88	11.36	462.196		
900.00	900.00	2,056.00	1,992.03	3.00	10.74	85.26	421.03	5,076.57	5,227.54	5,215.50	12.04	434.091		
1,000.00	1,000.00	2,229.86	2,158.54	3.36	11.81	85.60	388.14	5,038.91	5,203.86	5,190.62	13.25	392.888		
1,100.00	1,100.00	2,335.43	2,259.63	3.72	12.46	85.79	368.78	5,015.42	5,179.97	5,165.85	14.12	366.966		
1,200.00	1,199.98	2,409.92	2,331.02	4.07	12.92	35.17	355.42	4,998.88	5,154.83	5,139.99	14.84	347.394		
1,300.00	1,299.84	2,505.85	2,423.01	4.43	13.50	35.72	338.22	4,977.81	5,127.23	5,111.57	15.66	327.307		
1,400.00	1,399.45	2,571.05	2,485.52	4.79	13.90	36.26	326.26	4,963.59	5,097.12	5,080.77	16.35	311.713		
1,500.00	1,498.70	2,638.12	2,549.84	5.15	14.31	36.86	313.60	4,949.47	5,065.04	5,047.99	17.05	297.023		
1,600.00	1,597.47	2,710.00	2,618.80	5.53	14.75	37.54	300.07	4,934.34	5,030.55	5,012.77	17.78	282.895		
1,700.00	1,695.62	2,772.58	2,678.97	5.93	15.12	38.24	288.77	4,921.40	4,994.04	4,975.57	18.47	270.427		
1,800.00	1,793.06	1,800.00	2,872.04	6.35	9.23	39.53	255.33	4,879.14	4,955.10	4,940.96	14.15	350.276		
1,900.00	1,889.64	3,049.63	2,945.45	6.79	16.77	40.46	242.44	4,861.57	4,911.96	4,891.42	20.54	239.106		
2,000.00	1,985.27	3,085.56	2,980.02	7.27	16.99	41.27	236.50	4,853.74	4,867.57	4,846.43	21.14	230.216		
2,100.00	2,079.82	3,206.69	3,096.50	7.79	17.72	42.58	216.41	4,827.29	4,821.00	4,798.86	22.14	217.738		
2,200.00	2,173.17	3,280.81	3,167.70	8.36	18.17	43.75	203.80	4,810.95	4,772.25	4,749.29	22.96	207.875		
2,300.00	2,265.21	3,344.40	3,228.74	8.97	18.55	44.97	192.59	4,797.08	4,721.77	4,698.01	23.76	198.737		
2,400.00	2,355.84	3,414.48	3,295.96	9.64	18.98	46.32	179.82	4,781.98	4,669.68	4,645.05	24.63	189.631		
2,500.00	2,444.94	3,479.66	3,358.50	10.36	19.38	47.73	167.91	4,767.96	4,615.95	4,590.45	25.51	180.968		
2,591.69	2,525.19	3,526.50	3,403.45	11.07	19.66	49.01	159.27	4,758.04	4,565.53	4,539.24	26.29	173.638		
2,600.00	2,532.40	3,530.69	3,407.47	11.14	19.69	49.05	158.50	4,757.17	4,560.92	4,534.56	26.37	172.971		
2,700.00	2,619.15	3,575.92	3,450.91	11.96	19.96	49.42	150.07	4,747.79	4,505.86	4,478.62	27.23	165.458		
2,800.00	2,705.89	3,617.02	3,490.43	12.81	20.21	49.77	142.41	4,739.52	4,451.70	4,423.59	28.11	158.365		
2,900.00	2,792.64	3,647.00	3,519.30	13.67	20.39	50.03	136.81	4,733.66	4,398.52	4,369.55	28.97	151.849		
3,000.00	2,879.39	3,684.98	3,555.92	14.55	20.61	50.36	129.71	4,726.53	4,346.42	4,316.54	29.89	145.435		
3,100.00	2,966.14	3,715.22	3,585.14	15.44	20.78	50.62	124.07	4,721.18	4,295.54	4,264.75	30.80	139.487		
3,200.00	3,052.88	3,765.69	3,634.00	16.34	21.07	51.06	114.63	4,712.74	4,245.87	4,214.04	31.83	133.410		
3,300.00	3,139.63	3,970.00	3,831.09	17.25	22.25	52.91	76.21	4,675.13	4,195.49	4,161.89	33.60	124.848		
3,400.00	3,226.38	4,042.50	3,900.92	18.17	22.68	53.58	63.12	4,660.68	4,144.71	4,109.92	34.79	119.131		
3,500.00	3,313.12	4,097.39	3,953.90	19.09	23.00	54.09	53.58	4,649.89	4,094.71	4,058.79	35.92	113.999		
3,600.00	3,399.87	4,188.59	4,042.02	20.02	23.53	54.94	38.32	4,632.08	4,045.39	4,008.17	37.22	108.674		
3,700.00	3,486.62	4,276.31	4,126.58	20.96	24.05	55.78	23.13	4,614.33	3,996.22	3,957.67	38.55	103.656		
3,800.00	3,573.37	4,382.56	4,228.44	21.90	24.70	56.86	2.70	4,592.06	3,947.39	3,907.37	40.01	98.652		
3,900.00	3,660.11	4,474.08	4,315.94	22.84	25.27	57.81	-15.12	4,572.04	3,898.64	3,857.20	41.44	94.074		
4,000.00	3,746.86	4,569.83	4,407.15	23.78	25.88	58.84	-34.66	4,550.41	3,850.28	3,807.35	42.93	89.681		
4,100.00	3,833.61	4,660.89	4,493.61	24.73	26.48	59.85	-53.74	4,529.14	3,802.26	3,757.82	44.44	85.562		
4,200.00	3,920.35	4,749.69	4,577.91	25.68	27.06	60.85	-71.86	4,507.94	3,754.70	3,708.75	45.95	81.707		
4,300.00	4,007.10	4,804.00	4,629.57	26.63	27.42	61.46	-82.42	4,494.92	3,707.86	3,660.53	47.33	78.349		
4,400.00	4,093.85	4,846.31	4,669.77	27.59	27.69	61.94	-91.08	4,484.97	3,662.34	3,613.68	48.66	75.256		
4,500.00	4,180.60	4,888.00	4,709.35	28.55	27.96	62.43	-99.99	4,475.37	3,618.24	3,568.21	50.03	72.327		
4,600.00	4,267.34	4,929.94	4,749.25	29.50	28.24	62.93	-108.91	4,466.03	3,575.61	3,524.20	51.41	69.552		
4,700.00	4,354.09	4,992.40	4,808.83	30.46	28.64	63.67	-121.96	4,452.56	3,534.43	3,481.51	52.92	66.793		
4,800.00	4,440.84	5,074.90	4,887.57	31.42	29.16	64.65	-138.70	4,434.49	3,493.95	3,439.41	54.54	64.060		
4,900.00	4,527.58	5,127.23	4,937.61	32.39	29.48	65.28	-149.03	4,423.21	3,454.70	3,398.67	56.03	61.660		
5,000.00	4,614.33	5,177.75	4,986.07	33.35	29.79	65.88	-158.67	4,412.67	3,416.87	3,359.36	57.51	59.413		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference 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	4,701.08	5,228.47	5,034.98	34.31	30.09	66.48	-167.58	4,402.65	3,380.55	3,321.55	59.00	57.298		
5,200.00	4,787.82	5,270.72	5,075.95	35.28	30.32	66.97	-174.35	4,394.83	3,345.81	3,285.37	60.44	55.360		
5,300.00	4,874.57	5,311.72	5,115.91	36.25	30.54	67.44	-180.29	4,387.90	3,312.84	3,250.97	61.87	53.547		
5,400.00	4,961.32	5,354.21	5,157.55	37.21	30.75	67.92	-185.82	4,381.41	3,281.63	3,218.34	63.30	51.846		
5,500.00	5,048.07	5,397.93	5,200.54	38.18	30.95	68.40	-191.01	4,375.41	3,252.20	3,187.49	64.72	50.253		
5,600.00	5,134.81	5,427.00	5,229.20	39.15	31.09	68.72	-194.21	4,371.79	3,224.61	3,158.54	66.08	48.801		
5,700.00	5,221.56	5,484.15	5,285.71	40.12	31.32	69.33	-200.01	4,365.58	3,198.75	3,131.22	67.52	47.373		
5,800.00	5,308.31	5,529.99	5,331.18	41.09	31.51	69.82	-204.26	4,361.47	3,174.81	3,105.89	68.92	46.065		
5,900.00	5,395.05	5,589.64	5,390.44	42.06	31.73	70.44	-209.20	4,356.97	3,152.49	3,082.15	70.35	44.814		
6,000.00	5,481.80	5,649.79	5,450.34	43.03	31.93	71.06	-213.41	4,353.29	3,131.65	3,059.90	71.75	43.645		
6,100.00	5,568.55	5,711.37	5,511.76	44.00	32.13	71.67	-216.68	4,350.60	3,112.28	3,039.14	73.14	42.550		
6,200.00	5,655.30	5,778.28	5,578.60	44.97	32.31	72.31	-219.07	4,348.83	3,094.28	3,019.77	74.51	41.527		
6,300.00	5,742.04	5,848.15	5,648.46	45.94	32.48	72.96	-220.42	4,348.10	3,077.53	3,001.67	75.86	40.569		
6,400.00	5,828.79	5,925.74	5,726.04	46.92	32.65	73.66	-220.95	4,348.32	3,061.93	2,984.73	77.20	39.663		
6,500.00	5,915.54	6,015.18	5,815.48	47.89	32.84	74.48	-221.44	4,348.69	3,047.11	2,968.55	78.55	38.790		
6,600.00	6,002.28	6,104.31	5,904.61	48.86	33.04	75.30	-222.03	4,348.85	3,032.92	2,953.00	79.92	37.951		
6,700.00	6,089.03	6,186.87	5,987.17	49.83	33.23	76.07	-222.69	4,348.99	3,019.55	2,938.28	81.27	37.156		
6,800.00	6,175.78	6,272.34	6,072.63	50.81	33.42	76.87	-223.41	4,349.19	3,007.02	2,924.40	82.62	36.397		
6,900.00	6,262.53	6,359.53	6,159.83	51.78	33.61	77.69	-223.99	4,349.52	2,995.28	2,911.32	83.96	35.674		
7,000.00	6,349.27	6,451.24	6,251.53	52.76	33.81	78.55	-224.40	4,349.92	2,984.25	2,898.94	85.31	34.982		
7,100.00	6,436.02	6,545.65	6,345.94	53.73	34.03	79.44	-224.74	4,350.13	2,973.83	2,887.17	86.66	34.316		
7,200.00	6,522.77	6,630.62	6,430.91	54.71	34.22	80.25	-225.01	4,350.23	2,964.11	2,876.12	87.98	33.689		
7,300.00	6,609.51	6,721.21	6,521.50	55.68	34.43	81.12	-225.19	4,350.41	2,955.19	2,865.88	89.31	33.090		
7,400.00	6,696.26	6,798.77	6,599.06	56.66	34.60	81.86	-225.34	4,350.60	2,947.10	2,856.51	90.59	32.532		
7,500.00	6,783.01	6,877.82	6,678.10	57.63	34.78	82.62	-225.68	4,351.02	2,940.15	2,848.28	91.87	32.004		
7,600.00	6,869.76	6,959.87	6,760.15	58.61	34.96	83.41	-226.07	4,351.63	2,934.18	2,841.04	93.14	31.503		
7,683.49	6,942.18	7,029.72	6,830.00	59.42	35.12	84.08	-226.32	4,352.36	2,929.94	2,835.74	94.19	31.106		
7,700.00	6,956.57	7,045.74	6,846.02	59.58	35.15	81.74	-226.37	4,352.54	2,928.98	2,834.58	94.40	31.027		
7,750.00	7,000.85	7,095.02	6,895.29	60.04	35.26	73.47	-226.50	4,353.03	2,923.99	2,828.99	95.01	30.777		
7,800.00	7,045.94	7,141.60	6,941.88	60.46	35.36	63.47	-226.61	4,353.43	2,915.83	2,820.28	95.55	30.515		
7,850.00	7,091.49	7,186.83	6,987.10	60.84	35.47	52.14	-226.72	4,353.81	2,904.56	2,808.52	96.04	30.242		
7,900.00	7,137.15	7,232.19	7,032.46	61.17	35.57	40.22	-226.85	4,354.18	2,890.23	2,793.75	96.48	29.958		
7,950.00	7,182.58	7,277.35	7,077.62	61.44	35.67	28.59	-227.00	4,354.55	2,872.90	2,776.05	96.85	29.664		
8,000.00	7,227.43	7,321.87	7,122.14	61.67	35.77	17.87	-227.16	4,354.90	2,852.66	2,755.51	97.16	29.362		
8,050.00	7,271.36	7,365.43	7,165.69	61.84	35.88	8.27	-227.34	4,355.23	2,829.66	2,732.26	97.40	29.051		
8,100.00	7,314.04	7,408.85	7,209.11	61.96	35.98	-0.31	-227.54	4,355.55	2,804.04	2,706.45	97.59	28.733		
8,150.00	7,355.14	7,452.41	7,252.68	62.04	36.08	-8.12	-227.75	4,355.82	2,775.96	2,678.24	97.72	28.407		
8,200.00	7,394.34	7,493.96	7,294.22	62.07	36.18	-15.45	-227.94	4,356.04	2,745.65	2,647.86	97.79	28.077		
8,250.00	7,431.36	7,533.17	7,333.43	62.06	36.28	-22.55	-228.13	4,356.20	2,713.34	2,615.55	97.79	27.745		
8,300.00	7,465.90	7,569.75	7,370.01	62.01	36.37	-29.61	-228.30	4,356.31	2,679.33	2,581.60	97.74	27.414		
8,350.00	7,497.71	7,603.44	7,403.70	61.93	36.45	-36.77	-228.46	4,356.38	2,643.92	2,546.31	97.61	27.086		
8,400.00	7,526.53	7,626.36	7,426.62	61.81	36.51	-43.92	-228.58	4,356.49	2,607.52	2,510.11	97.41	26.769		
8,450.00	7,552.17	7,649.85	7,450.11	61.66	36.57	-51.19	-228.71	4,356.61	2,570.41	2,473.26	97.15	26.457		
8,500.00	7,574.41	7,670.32	7,470.58	61.48	36.62	-58.42	-228.83	4,356.72	2,532.96	2,436.12	96.83	26.158		
8,550.00	7,593.09	7,689.38	7,489.64	61.29	36.66	-65.48	-228.94	4,356.85	2,495.52	2,399.06	96.46	25.871		
8,600.00	7,608.07	7,704.95	7,505.21	61.07	36.70	-72.13	-229.02	4,356.95	2,458.46	2,362.43	96.02	25.602		
8,650.00	7,619.23	7,716.58	7,516.84	60.84	36.73	-78.19	-229.08	4,357.03	2,422.15	2,326.62	95.53	25.354		
8,700.00	7,626.48	7,724.21	7,524.47	60.60	36.75	-83.52	-229.11	4,357.09	2,386.98	2,292.00	94.98	25.130		
8,750.00	7,629.78	7,727.79	7,528.04	60.35	36.76	-88.05	-229.13	4,357.12	2,353.30	2,258.91	94.38	24.933		
8,766.45	7,630.00	7,728.08	7,528.33	60.27	36.76	-89.37	-229.13	4,357.12	2,342.60	2,248.43	94.17	24.875		
8,800.00	7,630.00	7,728.22	7,528.48	60.10	36.76	-89.38	-229.13	4,357.12	2,321.14	2,227.40	93.74	24.762		
8,900.00	7,630.00	7,728.64	7,528.90	59.61	36.76	-89.39	-229.13	4,357.12	2,258.92	2,166.53	92.39	24.451		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
9,000.00	7,630.00	7,729.06	7,529.32	59.15	36.76	-89.40	-229.13	4,357.13	2,199.48	2,108.54	90.95	24.185		
9,100.00	7,630.00	7,729.48	7,529.74	58.71	36.76	-89.42	-229.14	4,357.13	2,143.07	2,053.65	89.42	23.966		
9,200.00	7,630.00	7,729.90	7,530.16	58.30	36.76	-89.43	-229.14	4,357.13	2,089.92	2,002.10	87.82	23.798		
9,300.00	7,630.00	7,730.31	7,530.57	57.91	36.76	-89.44	-229.14	4,357.13	2,040.29	1,954.13	86.16	23.681		
9,400.00	7,630.00	7,730.72	7,530.98	57.54	36.76	-89.46	-229.14	4,357.14	1,994.44	1,909.99	84.45	23.617		
9,500.00	7,630.00	7,731.13	7,531.39	57.19	36.76	-89.47	-229.14	4,357.14	1,952.64	1,869.91	82.73	23.603 SF		
9,600.00	7,630.00	7,731.54	7,531.79	56.87	36.76	-89.48	-229.14	4,357.14	1,915.16	1,834.13	81.02	23.637		
9,700.00	7,630.00	7,731.94	7,532.20	56.57	36.77	-89.49	-229.15	4,357.15	1,882.24	1,802.86	79.38	23.711		
9,800.00	7,630.00	7,732.34	7,532.60	56.30	36.77	-89.51	-229.15	4,357.15	1,854.15	1,776.29	77.86	23.815		
9,900.00	7,630.00	7,732.74	7,532.99	56.05	36.77	-89.52	-229.15	4,357.15	1,831.09	1,754.59	76.49	23.938		
10,000.00	7,630.00	7,733.13	7,533.39	55.82	36.77	-89.53	-229.15	4,357.16	1,813.25	1,737.90	75.35	24.063		
10,100.00	7,630.00	7,733.52	7,533.78	55.63	36.77	-89.55	-229.15	4,357.16	1,800.81	1,726.32	74.48	24.177		
10,200.00	7,630.00	7,733.91	7,534.17	55.46	36.77	-89.56	-229.15	4,357.16	1,793.86	1,719.94	73.92	24.268		
10,274.93	7,630.00	7,734.20	7,534.46	55.35	36.77	-89.57	-229.16	4,357.16	1,792.29	1,718.57	73.72	24.313 CC, ES		
10,300.00	7,630.00	7,734.30	7,534.56	55.32	36.77	-89.57	-229.16	4,357.16	1,792.46	1,718.78	73.68	24.327		
10,400.00	7,630.00	7,734.69	7,534.94	55.22	36.77	-89.58	-229.16	4,357.17	1,796.65	1,722.88	73.77	24.355		
10,500.00	7,630.00	7,735.07	7,535.32	55.15	36.77	-89.59	-229.16	4,357.17	1,806.37	1,732.20	74.16	24.357		
10,600.00	7,630.00	7,735.45	7,535.71	55.14	36.77	-89.61	-229.16	4,357.17	1,821.53	1,746.70	74.83	24.343		
10,700.00	7,630.00	7,735.83	7,536.08	55.18	36.77	-89.62	-229.16	4,357.18	1,842.00	1,766.28	75.72	24.325		
10,800.00	7,630.00	7,736.20	7,536.46	55.28	36.78	-89.63	-229.16	4,357.18	1,867.62	1,790.81	76.80	24.317		
10,900.00	7,630.00	7,736.57	7,536.83	55.47	36.78	-89.64	-229.17	4,357.18	1,898.16	1,820.14	78.02	24.330		
11,000.00	7,630.00	7,736.95	7,537.20	55.74	36.78	-89.65	-229.17	4,357.18	1,933.40	1,854.07	79.32	24.374		
11,100.00	7,630.00	7,737.31	7,537.57	56.11	36.78	-89.67	-229.17	4,357.19	1,973.08	1,892.39	80.68	24.455		
11,200.00	7,630.00	7,737.68	7,537.94	56.60	36.78	-89.68	-229.17	4,357.19	2,016.94	1,934.87	82.07	24.577		
11,300.00	7,630.00	7,738.04	7,538.30	57.20	36.78	-89.69	-229.17	4,357.19	2,064.72	1,981.27	83.45	24.742		
11,400.00	7,630.00	7,738.41	7,538.66	57.91	36.78	-89.70	-229.17	4,357.20	2,116.14	2,031.33	84.81	24.951		
11,500.00	7,630.00	7,738.76	7,539.02	58.72	36.78	-89.71	-229.17	4,357.20	2,170.96	2,084.82	86.14	25.204		
11,600.00	7,630.00	7,739.12	7,539.38	59.63	36.78	-89.72	-229.18	4,357.20	2,228.92	2,141.50	87.42	25.498		
11,700.00	7,630.00	7,739.48	7,539.73	60.61	36.78	-89.74	-229.18	4,357.20	2,289.78	2,201.14	88.64	25.831		
11,800.00	7,630.00	7,739.83	7,540.09	61.67	36.78	-89.75	-229.18	4,357.21	2,353.32	2,263.50	89.81	26.202		
11,900.00	7,630.00	7,740.18	7,540.44	62.78	36.78	-89.76	-229.18	4,357.21	2,419.32	2,328.40	90.92	26.608		
12,000.00	7,630.00	7,740.53	7,540.79	63.95	36.79	-89.77	-229.18	4,357.21	2,487.59	2,395.62	91.97	27.047		
12,100.00	7,630.00	7,740.88	7,541.13	65.16	36.79	-89.78	-229.18	4,357.21	2,557.95	2,464.99	92.96	27.515		
12,200.00	7,630.00	7,741.22	7,541.48	66.41	36.79	-89.79	-229.18	4,357.22	2,630.23	2,536.34	93.90	28.012		
12,300.00	7,630.00	7,741.56	7,541.82	67.68	36.79	-89.80	-229.18	4,357.22	2,704.28	2,609.51	94.77	28.534		
12,400.00	7,630.00	7,741.90	7,542.16	68.99	36.79	-89.81	-229.19	4,357.22	2,779.96	2,684.36	95.60	29.080		
12,500.00	7,630.00	7,742.24	7,542.50	70.33	36.79	-89.82	-229.19	4,357.23	2,857.12	2,760.75	96.37	29.647		
12,600.00	7,630.00	7,742.58	7,542.83	71.68	36.79	-89.83	-229.19	4,357.23	2,935.67	2,838.57	97.10	30.234		
12,700.00	7,630.00	7,742.91	7,543.17	73.06	36.79	-89.85	-229.19	4,357.23	3,015.49	2,917.71	97.78	30.840		
12,800.00	7,630.00	7,743.24	7,543.50	74.45	36.79	-89.86	-229.19	4,357.23	3,096.48	2,998.06	98.42	31.463		
12,900.00	7,630.00	7,743.57	7,543.83	75.87	36.79	-89.87	-229.19	4,357.24	3,178.55	3,079.54	99.02	32.102		
13,000.00	7,630.00	7,743.90	7,544.16	77.29	36.79	-89.88	-229.19	4,357.24	3,261.62	3,162.05	99.58	32.754		
13,100.00	7,630.00	7,744.23	7,544.49	78.74	36.79	-89.89	-229.19	4,357.24	3,345.62	3,245.52	100.11	33.421		
13,200.00	7,630.00	7,744.55	7,544.81	80.19	36.80	-89.90	-229.20	4,357.24	3,430.48	3,329.88	100.60	34.099		
13,300.00	7,630.00	7,744.88	7,545.13	81.66	36.80	-89.91	-229.20	4,357.25	3,516.14	3,415.06	101.07	34.789		
13,400.00	7,630.00	7,745.20	7,545.45	83.14	36.80	-89.92	-229.20	4,357.25	3,602.53	3,501.02	101.51	35.489		
13,500.00	7,630.00	7,745.52	7,545.77	84.63	36.80	-89.93	-229.20	4,357.25	3,689.61	3,587.68	101.93	36.199		
13,600.00	7,630.00	7,745.83	7,546.09	86.14	36.80	-89.94	-229.20	4,357.25	3,777.33	3,675.01	102.32	36.918		
13,700.00	7,630.00	7,746.15	7,546.41	87.65	36.80	-89.95	-229.20	4,357.26	3,865.65	3,762.96	102.69	37.645		
13,800.00	7,630.00	7,746.46	7,546.72	89.17	36.80	-89.96	-229.20	4,357.26	3,954.52	3,851.49	103.04	38.380		
13,900.00	7,630.00	7,746.77	7,547.03	90.70	36.80	-89.97	-229.20	4,357.26	4,043.91	3,940.55	103.37	39.122		
14,000.00	7,630.00	7,747.08	7,547.34	92.24	36.80	-89.98	-229.21	4,357.26	4,133.79	4,030.11	103.68	39.871		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference 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		
14,100.00	7,630.00	7,747.39	7,547.65	93.78	36.80	-89.99	-229.21	4,357.27	4,224.13	4,120.15	103.97	40.626		
14,200.00	7,630.00	7,747.70	7,547.96	95.33	36.80	-90.00	-229.21	4,357.27	4,314.89	4,210.63	104.26	41.387		
14,300.00	7,630.00	7,748.00	7,548.26	96.89	36.80	-90.01	-229.21	4,357.27	4,406.05	4,301.52	104.52	42.154		
14,400.00	7,630.00	7,748.31	7,548.56	98.46	36.80	-90.02	-229.21	4,357.27	4,497.58	4,392.81	104.78	42.925		
14,500.00	7,630.00	7,748.61	7,548.86	100.03	36.81	-90.03	-229.21	4,357.27	4,589.47	4,484.45	105.02	43.701		
14,600.00	7,630.00	7,748.91	7,549.16	101.61	36.81	-90.04	-229.21	4,357.28	4,681.69	4,576.44	105.25	44.482		
14,700.00	7,630.00	7,749.21	7,549.46	103.20	36.81	-90.05	-229.21	4,357.28	4,774.23	4,668.76	105.47	45.266		
14,800.00	7,630.00	7,749.50	7,549.76	104.78	36.81	-90.06	-229.21	4,357.28	4,867.06	4,761.38	105.68	46.055		
14,900.00	7,630.00	7,749.80	7,550.05	106.38	36.81	-90.07	-229.21	4,357.28	4,960.17	4,854.29	105.88	46.847		
15,000.00	7,630.00	7,750.09	7,550.35	107.98	36.81	-90.07	-229.22	4,357.29	5,053.54	4,947.47	106.07	47.642		
15,100.00	7,630.00	7,750.38	7,550.64	109.58	36.81	-90.08	-229.22	4,357.29	5,147.16	5,040.90	106.26	48.440		
15,200.00	7,630.00	7,750.67	7,550.93	111.19	36.81	-90.09	-229.22	4,357.29	5,241.02	5,134.58	106.43	49.242		
15,300.00	7,630.00	7,750.96	7,551.22	112.81	36.81	-90.10	-229.22	4,357.29	5,335.10	5,228.49	106.60	50.046		
15,400.00	7,630.00	7,751.25	7,551.50	114.42	36.81	-90.11	-229.22	4,357.30	5,429.39	5,322.62	106.77	50.853		
15,500.00	7,630.00	7,751.53	7,551.79	116.05	36.81	-90.12	-229.22	4,357.30	5,523.88	5,416.96	106.92	51.662		
15,600.00	7,630.00	7,751.81	7,552.07	117.67	36.81	-90.13	-229.22	4,357.30	5,618.57	5,511.49	107.07	52.474		
15,700.00	7,630.00	7,752.10	7,552.35	119.30	36.81	-90.14	-229.22	4,357.30	5,713.43	5,606.21	107.22	53.287		
15,800.00	7,630.00	7,752.38	7,552.63	120.93	36.81	-90.15	-229.22	4,357.30	5,808.47	5,701.11	107.36	54.103		
15,900.00	7,630.00	7,752.66	7,552.91	122.57	36.82	-90.16	-229.22	4,357.31	5,903.67	5,796.17	107.49	54.921		
16,000.00	7,630.00	7,752.93	7,553.19	124.21	36.82	-90.17	-229.23	4,357.31	5,999.02	5,891.40	107.63	55.740		
16,100.00	7,630.00	7,753.21	7,553.47	125.85	36.82	-90.17	-229.23	4,357.31	6,094.53	5,986.78	107.75	56.561		
16,200.00	7,630.00	7,753.48	7,553.74	127.50	36.82	-90.18	-229.23	4,357.31	6,190.18	6,082.30	107.87	57.383		
16,300.00	7,630.00	7,753.76	7,554.01	129.15	36.82	-90.19	-229.23	4,357.32	6,285.96	6,177.97	107.99	58.207		
16,400.00	7,630.00	7,754.03	7,554.28	130.80	36.82	-90.20	-229.23	4,357.32	6,381.87	6,273.76	108.11	59.032		
16,500.00	7,630.00	7,754.30	7,554.55	132.46	36.82	-90.21	-229.23	4,357.32	6,477.91	6,369.69	108.22	59.859		
16,600.00	7,630.00	7,754.57	7,554.82	134.11	36.82	-90.22	-229.23	4,357.32	6,574.06	6,465.73	108.33	60.686		
16,700.00	7,630.00	7,754.83	7,555.09	135.77	36.82	-90.23	-229.23	4,357.32	6,670.33	6,561.89	108.43	61.515		
16,800.00	7,630.00	7,755.10	7,555.36	137.43	36.82	-90.24	-229.23	4,357.33	6,766.70	6,658.17	108.54	62.344		
16,900.00	7,630.00	7,755.37	7,555.62	139.10	36.82	-90.24	-229.23	4,357.33	6,863.18	6,754.54	108.64	63.175		
17,000.00	7,630.00	7,755.63	7,555.88	140.77	36.82	-90.25	-229.23	4,357.33	6,959.76	6,851.03	108.74	64.007		
17,100.00	7,630.00	7,755.89	7,556.15	142.44	36.82	-90.26	-229.24	4,357.33	7,056.43	6,947.60	108.83	64.839		
17,200.00	7,630.00	7,756.15	7,556.41	144.11	36.82	-90.27	-229.24	4,357.33	7,153.20	7,044.28	108.92	65.672		
17,300.00	7,630.00	7,756.41	7,556.67	145.78	36.82	-90.28	-229.24	4,357.34	7,250.05	7,141.04	109.01	66.506		
17,400.00	7,630.00	7,756.67	7,556.92	147.46	36.82	-90.29	-229.24	4,357.34	7,346.99	7,237.89	109.10	67.340		
17,500.00	7,630.00	7,756.92	7,557.18	149.13	36.83	-90.29	-229.24	4,357.34	7,444.01	7,334.82	109.19	68.175		
17,600.00	7,630.00	7,757.18	7,557.43	150.81	36.83	-90.30	-229.24	4,357.34	7,541.10	7,431.83	109.28	69.010		
17,700.00	7,630.00	7,757.43	7,557.69	152.49	36.83	-90.31	-229.24	4,357.34	7,638.28	7,528.92	109.36	69.846		
17,800.00	7,630.00	7,757.68	7,557.94	154.18	36.83	-90.32	-229.24	4,357.35	7,735.52	7,626.08	109.44	70.682		
17,900.00	7,630.00	7,757.94	7,558.19	155.86	36.83	-90.33	-229.24	4,357.35	7,832.83	7,723.31	109.52	71.519		
18,000.00	7,630.00	7,758.19	7,558.44	157.55	36.83	-90.33	-229.24	4,357.35	7,930.21	7,820.61	109.60	72.356		
18,100.00	7,630.00	7,758.43	7,558.69	159.24	36.83	-90.34	-229.24	4,357.35	8,027.65	7,917.98	109.68	73.193		
18,200.00	7,630.00	7,758.68	7,558.94	160.92	36.83	-90.35	-229.24	4,357.35	8,125.16	8,015.41	109.75	74.031		
18,300.00	7,630.00	7,758.93	7,559.18	162.62	36.83	-90.36	-229.25	4,357.36	8,222.73	8,112.90	109.83	74.868		
18,400.00	7,630.00	7,759.17	7,559.43	164.31	36.83	-90.37	-229.25	4,357.36	8,320.35	8,210.45	109.90	75.706		
18,458.39	7,630.00	7,759.31	7,559.57	165.30	36.83	-90.37	-229.25	4,357.36	8,377.38	8,267.43	109.95	76.196		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	133.72	-2,069.43	2,164.04	2,994.63					
100.00	100.00	70.56	70.56	0.13	0.11	133.72	-2,069.32	2,163.85	2,994.11	2,993.86	0.25	N/A		
200.00	200.00	184.01	184.00	0.49	0.42	133.73	-2,068.76	2,162.94	2,993.17	2,992.26	0.91	3,278.096		
300.00	300.00	299.18	299.17	0.85	0.83	133.72	-2,067.78	2,161.92	2,991.94	2,990.26	1.68	1,776.354		
400.00	400.00	394.71	394.68	1.21	1.18	133.72	-2,066.78	2,160.91	2,990.46	2,988.08	2.38	1,253.940		
500.00	500.00	484.62	484.59	1.57	1.50	133.72	-2,065.68	2,160.44	2,989.24	2,986.17	3.06	976.029		
600.00	600.00	645.23	645.15	1.93	2.07	133.69	-2,062.29	2,158.80	2,986.96	2,982.96	3.99	747.700		
700.00	700.00	765.53	765.37	2.29	2.50	133.67	-2,058.67	2,156.49	2,983.49	2,978.71	4.78	623.606		
800.00	800.00	855.89	855.66	2.64	2.83	133.65	-2,055.56	2,154.98	2,979.90	2,974.43	5.47	545.114		
900.00	900.00	1,734.82	1,719.73	3.00	6.49	133.28	-1,945.93	2,066.30	2,967.74	2,958.85	8.88	334.023		
1,000.00	1,000.00	2,011.17	1,981.22	3.36	8.07	133.11	-1,878.99	2,007.33	2,935.51	2,925.31	10.20	287.723		
1,100.00	1,100.00	2,163.68	2,123.37	3.72	9.04	132.99	-1,837.29	1,971.13	2,899.42	2,888.32	11.11	261.087		
1,200.00	1,199.98	2,222.85	2,178.48	4.07	9.43	82.68	-1,821.23	1,956.77	2,862.89	2,851.19	11.70	244.681		
1,300.00	1,299.84	2,298.92	2,249.59	4.43	9.92	83.49	-1,801.18	1,938.63	2,826.81	2,814.46	12.35	228.827		
1,400.00	1,399.45	2,384.95	2,330.10	4.79	10.49	84.40	-1,779.17	1,917.83	2,790.67	2,777.62	13.04	213.935		
1,500.00	1,498.70	2,470.92	2,410.63	5.15	11.06	85.36	-1,756.70	1,897.77	2,754.47	2,740.72	13.74	200.408		
1,600.00	1,597.47	2,569.00	2,502.53	5.53	11.72	86.43	-1,730.64	1,875.51	2,718.20	2,703.71	14.50	187.519		
1,700.00	1,695.62	2,673.99	2,600.67	5.93	12.43	87.64	-1,702.72	1,850.79	2,681.17	2,665.89	15.28	175.421		
1,800.00	1,793.06	2,756.07	2,677.41	6.35	12.99	88.85	-1,680.95	1,831.44	2,644.18	2,628.16	16.02	165.030		
1,900.00	1,889.64	2,851.85	2,767.04	6.79	13.64	90.19	-1,655.24	1,809.62	2,607.64	2,590.81	16.83	154.946		
2,000.00	1,985.27	3,003.19	2,907.86	7.27	14.71	92.07	-1,613.76	1,772.84	2,569.94	2,552.11	17.83	144.160		
2,100.00	2,079.82	3,094.98	2,992.82	7.79	15.38	93.65	-1,587.65	1,749.90	2,531.53	2,512.84	18.69	135.452		
2,200.00	2,173.17	3,158.51	3,051.71	8.36	15.84	95.05	-1,569.96	1,733.90	2,494.03	2,474.51	19.52	127.775		
2,300.00	2,265.21	3,234.75	3,122.59	8.97	16.39	96.62	-1,549.37	1,714.86	2,458.05	2,437.62	20.43	120.299		
2,400.00	2,355.84	3,326.55	3,207.89	9.64	17.05	98.40	-1,524.03	1,692.30	2,422.99	2,401.55	21.44	113.008		
2,500.00	2,444.94	3,421.78	3,296.25	10.36	17.75	100.31	-1,497.67	1,668.47	2,388.92	2,366.41	22.51	106.104		
2,591.69	2,525.19	3,524.01	3,390.75	11.07	18.51	102.34	-1,468.76	1,642.31	2,358.41	2,334.83	23.59	99.996		
2,600.00	2,532.40	3,534.14	3,400.09	11.14	18.59	102.48	-1,465.83	1,639.69	2,355.67	2,331.98	23.69	99.456		
2,700.00	2,619.15	3,610.97	3,470.79	11.96	19.17	103.58	-1,443.31	1,619.79	2,322.99	2,298.16	24.83	93.565		
2,800.00	2,705.89	3,665.00	3,520.69	12.81	19.57	104.35	-1,427.62	1,606.25	2,292.11	2,266.16	25.96	88.301		
2,900.00	2,792.64	3,721.33	3,572.94	13.67	19.98	105.17	-1,411.67	1,592.50	2,263.29	2,236.17	27.12	83.451		
3,000.00	2,879.39	3,784.35	3,631.68	14.55	20.44	106.09	-1,394.49	1,577.45	2,236.64	2,208.31	28.32	78.968		
3,100.00	2,966.14	3,880.25	3,721.03	15.44	21.13	107.52	-1,368.04	1,554.82	2,211.25	2,181.64	29.61	74.689		
3,200.00	3,052.88	3,978.97	3,812.58	16.34	21.86	109.03	-1,340.57	1,530.16	2,186.34	2,155.42	30.91	70.724		
3,300.00	3,139.63	4,055.18	3,883.22	17.25	22.43	110.22	-1,319.08	1,511.27	2,162.69	2,130.48	32.20	67.160		
3,400.00	3,226.38	4,124.23	3,947.35	18.17	22.93	111.29	-1,299.55	1,494.73	2,140.76	2,107.27	33.49	63.916		
3,500.00	3,313.12	4,195.54	4,013.73	19.09	23.45	112.41	-1,279.58	1,477.95	2,120.68	2,085.88	34.80	60.938		
3,600.00	3,399.87	4,281.18	4,093.48	20.02	24.08	113.78	-1,255.92	1,457.60	2,102.29	2,066.15	36.14	58.170		
3,700.00	3,486.62	4,373.53	4,179.28	20.96	24.76	115.26	-1,229.77	1,435.66	2,084.90	2,047.40	37.50	55.600		
3,800.00	3,573.37	4,451.01	4,251.17	21.90	25.33	116.53	-1,207.82	1,416.82	2,068.90	2,030.05	38.85	53.257		
3,900.00	3,660.11	4,515.00	4,310.63	22.84	25.80	117.59	-1,189.91	1,401.40	2,054.90	2,014.71	40.19	51.132		
4,000.00	3,746.86	4,575.07	4,366.65	23.78	26.23	118.59	-1,173.53	1,387.21	2,043.27	2,001.75	41.52	49.211		
4,100.00	3,833.61	4,629.53	4,417.68	24.73	26.62	119.49	-1,159.22	1,374.67	2,034.27	1,991.43	42.84	47.486		
4,200.00	3,920.35	4,680.77	4,465.95	25.68	26.97	120.34	-1,146.34	1,363.32	2,028.09	1,983.95	44.14	45.948		
4,300.00	4,007.10	4,732.92	4,515.37	26.63	27.31	121.19	-1,133.85	1,352.26	2,024.76	1,979.34	45.42	44.580		
4,368.48	4,066.50	4,769.13	4,549.83	27.29	27.54	121.78	-1,125.54	1,344.85	2,024.11	1,977.82	46.28	43.734		
4,400.00	4,093.85	4,785.88	4,565.80	27.59	27.65	122.05	-1,121.80	1,341.50	2,024.24	1,977.57	46.68	43.368		
4,500.00	4,180.60	4,833.31	4,611.21	28.55	27.94	122.81	-1,111.62	1,332.34	2,026.60	1,978.71	47.89	42.319		
4,600.00	4,267.34	4,893.00	4,668.74	29.50	28.29	123.76	-1,099.88	1,321.61	2,032.09	1,982.99	49.10	41.386		
4,700.00	4,354.09	4,939.00	4,713.29	30.46	28.54	124.47	-1,091.42	1,313.87	2,040.23	1,990.00	50.23	40.614		
4,800.00	4,440.84	5,001.43	4,773.92	31.42	28.88	125.42	-1,080.34	1,303.94	2,050.70	1,999.32	51.38	39.913		
4,900.00	4,527.58	5,055.76	4,826.88	32.39	29.16	126.23	-1,071.34	1,295.81	2,063.63	2,011.17	52.46	39.336		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,614.33	5,114.08	4,883.93	33.35	29.44	127.09	-1,062.46	1,287.60	2,079.05	2,025.54	53.52	38.849		
5,100.00	4,701.08	5,176.00	4,944.67	34.31	29.74	127.98	-1,053.68	1,279.39	2,096.68	2,042.13	54.55	38.437		
5,200.00	4,787.82	5,225.22	4,993.15	35.28	29.95	128.66	-1,047.36	1,273.62	2,116.67	2,061.19	55.48	38.152		
5,300.00	4,874.57	5,270.00	5,037.43	36.25	30.14	129.25	-1,042.32	1,269.32	2,139.18	2,082.82	56.35	37.960		
5,400.00	4,961.32	5,333.62	5,100.55	37.21	30.37	130.06	-1,036.12	1,264.31	2,163.88	2,106.63	57.25	37.798		
5,500.00	5,048.07	5,392.96	5,159.55	38.18	30.58	130.77	-1,031.20	1,260.48	2,190.60	2,132.51	58.09	37.711		
5,600.00	5,134.81	5,459.00	5,225.35	39.15	30.80	131.54	-1,026.59	1,257.25	2,219.14	2,160.22	58.92	37.661		
5,700.00	5,221.56	5,519.61	5,285.83	40.12	30.97	132.20	-1,023.09	1,255.28	2,249.31	2,189.62	59.69	37.682		
5,800.00	5,308.31	5,579.02	5,345.17	41.09	31.14	132.81	-1,020.33	1,254.27	2,281.02	2,220.60	60.43	37.749		
5,900.00	5,395.05	5,631.54	5,397.66	42.06	31.27	133.34	-1,018.72	1,253.71	2,314.57	2,253.48	61.09	37.886		
6,000.00	5,481.80	5,691.48	5,457.59	43.03	31.41	133.92	-1,017.76	1,253.28	2,349.85	2,288.09	61.77	38.043		
6,100.00	5,568.55	5,760.16	5,526.27	44.00	31.57	134.56	-1,017.36	1,252.85	2,386.50	2,324.04	62.47	38.205		
6,200.00	5,655.30	5,852.65	5,618.75	44.97	31.78	135.41	-1,017.06	1,252.69	2,423.78	2,360.51	63.28	38.303		
6,300.00	5,742.04	5,948.77	5,714.87	45.94	32.00	136.26	-1,016.32	1,252.26	2,461.17	2,397.06	64.10	38.394		
6,400.00	5,828.79	6,032.40	5,798.49	46.92	32.20	136.99	-1,015.56	1,251.59	2,498.93	2,434.08	64.85	38.533		
6,500.00	5,915.54	6,121.31	5,887.40	47.89	32.41	137.75	-1,014.74	1,250.75	2,537.11	2,471.50	65.62	38.665		
6,600.00	6,002.28	6,201.49	5,967.57	48.86	32.61	138.42	-1,014.04	1,249.89	2,575.77	2,509.45	66.33	38.834		
6,700.00	6,089.03	6,287.04	6,053.11	49.83	32.82	139.12	-1,013.41	1,248.88	2,614.96	2,547.90	67.06	38.996		
6,800.00	6,175.78	6,377.11	6,143.17	50.81	33.04	139.84	-1,012.71	1,247.83	2,654.47	2,586.66	67.80	39.150		
6,900.00	6,262.53	6,462.68	6,228.74	51.78	33.25	140.50	-1,011.99	1,246.96	2,694.25	2,625.73	68.52	39.322		
7,000.00	6,349.27	6,546.10	6,312.15	52.76	33.45	141.12	-1,011.44	1,246.33	2,734.45	2,665.24	69.21	39.509		
7,100.00	6,436.02	6,635.18	6,401.23	53.73	33.67	141.76	-1,011.05	1,246.08	2,775.03	2,705.11	69.93	39.685		
7,200.00	6,522.77	6,724.63	6,490.68	54.71	33.88	142.36	-1,010.67	1,246.54	2,815.72	2,745.08	70.64	39.861		
7,300.00	6,609.51	6,811.36	6,577.40	55.68	34.09	142.95	-1,010.25	1,246.51	2,856.76	2,785.43	71.33	40.050		
7,400.00	6,696.26	6,902.76	6,668.80	56.66	34.32	143.55	-1,009.48	1,246.21	2,897.86	2,825.81	72.05	40.221		
7,500.00	6,783.01	6,979.20	6,745.24	57.63	34.52	144.05	-1,008.99	1,245.86	2,939.41	2,866.74	72.68	40.446		
7,600.00	6,869.76	7,074.64	6,840.68	58.61	34.76	144.64	-1,008.42	1,245.56	2,981.22	2,907.81	73.41	40.612		
7,683.49	6,942.18	7,154.77	6,920.81	59.42	34.96	145.13	-1,007.85	1,245.66	3,016.10	2,942.09	74.02	40.748		
7,700.00	6,956.57	7,170.73	6,936.77	59.58	35.00	142.54	-1,007.72	1,245.73	3,022.80	2,948.66	74.14	40.772		
7,750.00	7,000.85	7,217.40	6,983.44	60.04	35.12	133.83	-1,007.32	1,245.89	3,040.55	2,966.05	74.50	40.815		
7,800.00	7,045.94	7,265.35	7,031.38	60.46	35.24	123.84	-1,006.85	1,246.02	3,054.44	2,979.58	74.86	40.803		
7,850.00	7,091.49	7,306.43	7,072.46	60.84	35.35	112.90	-1,006.42	1,246.01	3,064.45	2,989.27	75.18	40.761		
7,900.00	7,137.15	7,349.08	7,115.11	61.17	35.46	101.83	-1,005.97	1,245.84	3,070.56	2,995.06	75.50	40.667		
7,950.00	7,182.58	7,405.37	7,171.39	61.44	35.61	91.61	-1,005.21	1,245.43	3,072.64	2,996.74	75.90	40.483		
8,000.00	7,227.43	7,460.58	7,226.58	61.67	35.76	82.80	-1,004.18	1,244.83	3,070.62	2,994.34	76.27	40.258		
8,050.00	7,271.36	7,499.60	7,265.59	61.84	35.87	75.52	-1,003.38	1,244.26	3,064.68	2,988.14	76.55	40.037		
8,100.00	7,314.04	7,540.75	7,306.73	61.96	35.99	69.87	-1,002.48	1,243.51	3,054.92	2,978.11	76.81	39.771		
8,150.00	7,355.14	7,576.25	7,342.21	62.04	36.09	65.61	-1,001.76	1,242.91	3,041.48	2,964.45	77.03	39.483		
8,200.00	7,394.34	7,610.64	7,376.60	62.07	36.19	62.56	-1,001.18	1,242.47	3,024.49	2,947.25	77.24	39.159		
8,250.00	7,431.36	7,644.20	7,410.16	62.06	36.28	60.56	-1,000.72	1,242.21	3,004.08	2,926.66	77.42	38.801		
8,300.00	7,465.90	7,677.46	7,443.41	62.01	36.36	59.49	-1,000.47	1,242.33	2,980.40	2,902.80	77.59	38.410		
8,350.00	7,497.71	7,708.80	7,474.75	61.93	36.44	59.24	-1,000.44	1,242.85	2,953.61	2,875.86	77.75	37.987		
8,400.00	7,526.53	7,735.16	7,501.10	61.81	36.50	59.74	-1,000.54	1,243.55	2,923.93	2,846.05	77.88	37.544		
8,450.00	7,552.17	7,755.61	7,521.54	61.66	36.55	60.96	-1,000.64	1,244.06	2,891.62	2,813.65	77.97	37.089		
8,500.00	7,574.41	7,773.30	7,539.23	61.48	36.59	62.97	-1,000.72	1,244.41	2,856.92	2,778.89	78.03	36.611		
8,550.00	7,593.09	7,788.14	7,554.07	61.29	36.62	65.84	-1,000.79	1,244.66	2,820.09	2,742.00	78.09	36.114		
8,600.00	7,608.07	7,800.04	7,565.97	61.07	36.65	69.64	-1,000.84	1,244.81	2,781.37	2,703.24	78.13	35.598		
8,650.00	7,619.23	7,808.93	7,574.86	60.84	36.67	74.47	-1,000.88	1,244.91	2,741.05	2,662.88	78.17	35.066		
8,700.00	7,626.48	7,814.77	7,580.69	60.60	36.68	80.40	-1,000.91	1,244.97	2,699.40	2,621.20	78.20	34.521		
8,750.00	7,629.78	7,819.00	7,584.92	60.35	36.69	87.53	-1,000.93	1,245.00	2,656.70	2,578.48	78.23	33.960		
8,766.45	7,630.00	7,819.00	7,584.92	60.27	36.69	90.08	-1,000.93	1,245.00	2,642.48	2,564.25	78.24	33.776		
8,800.00	7,630.00	7,819.00	7,584.92	60.10	36.69	90.08	-1,000.93	1,245.00	2,613.45	2,535.20	78.25	33.399		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
8,900.00	7,630.00	7,819.00	7,584.92	59.61	36.69	90.08	-1,000.93	1,245.00	2,527.59	2,449.29	78.29	32.283		
9,000.00	7,630.00	7,819.00	7,584.92	59.15	36.69	90.08	-1,000.93	1,245.00	2,442.80	2,364.45	78.34	31.181		
9,100.00	7,630.00	7,819.00	7,584.92	58.71	36.69	90.08	-1,000.93	1,245.00	2,359.20	2,280.80	78.40	30.092		
9,200.00	7,630.00	7,819.00	7,584.92	58.30	36.69	90.08	-1,000.93	1,245.00	2,276.93	2,198.46	78.46	29.019		
9,300.00	7,630.00	7,819.00	7,584.92	57.91	36.69	90.08	-1,000.93	1,245.00	2,196.12	2,117.59	78.53	27.964		
9,400.00	7,630.00	7,819.00	7,584.92	57.54	36.69	90.08	-1,000.93	1,245.00	2,116.96	2,038.35	78.61	26.929		
9,500.00	7,630.00	7,819.00	7,584.92	57.19	36.69	90.08	-1,000.93	1,245.00	2,039.63	1,960.93	78.70	25.916		
9,600.00	7,630.00	7,819.00	7,584.92	56.87	36.69	90.08	-1,000.93	1,245.00	1,964.35	1,885.55	78.80	24.928		
9,700.00	7,630.00	7,819.00	7,584.92	56.57	36.69	90.08	-1,000.93	1,245.00	1,891.35	1,812.44	78.91	23.968		
9,800.00	7,630.00	7,819.00	7,584.92	56.30	36.69	90.08	-1,000.93	1,245.00	1,820.93	1,741.90	79.03	23.040		
9,900.00	7,630.00	7,819.00	7,584.92	56.05	36.69	90.08	-1,000.93	1,245.00	1,753.38	1,674.22	79.17	22.148		
10,000.00	7,630.00	7,821.86	7,587.78	55.82	36.70	90.21	-1,000.94	1,245.02	1,689.06	1,609.71	79.35	21.287		
10,100.00	7,630.00	7,822.21	7,588.13	55.63	36.70	90.22	-1,000.94	1,245.02	1,628.33	1,548.83	79.51	20.480		
10,200.00	7,630.00	7,822.57	7,588.49	55.46	36.70	90.24	-1,000.94	1,245.03	1,571.63	1,491.96	79.68	19.725		
10,300.00	7,630.00	7,822.93	7,588.85	55.32	36.70	90.25	-1,000.94	1,245.03	1,519.41	1,439.55	79.85	19.027		
10,400.00	7,630.00	7,823.29	7,589.21	55.22	36.70	90.27	-1,000.95	1,245.03	1,472.13	1,392.10	80.03	18.395		
10,500.00	7,630.00	7,823.66	7,589.58	55.15	36.71	90.29	-1,000.95	1,245.03	1,430.29	1,350.09	80.20	17.835		
10,600.00	7,630.00	7,824.03	7,589.95	55.14	36.71	90.30	-1,000.95	1,245.04	1,394.38	1,314.03	80.35	17.354		
10,700.00	7,630.00	7,824.40	7,590.33	55.18	36.71	90.32	-1,000.95	1,245.04	1,364.86	1,284.39	80.47	16.960		
10,800.00	7,630.00	7,824.78	7,590.71	55.28	36.71	90.34	-1,000.95	1,245.04	1,342.17	1,261.60	80.56	16.660		
10,900.00	7,630.00	7,825.17	7,591.09	55.47	36.71	90.35	-1,000.95	1,245.04	1,326.64	1,246.03	80.61	16.458		
11,000.00	7,630.00	7,825.55	7,591.48	55.74	36.71	90.37	-1,000.96	1,245.05	1,318.53	1,237.94	80.60	16.360		
11,057.20	7,630.00	7,825.78	7,591.70	55.94	36.71	90.38	-1,000.96	1,245.05	1,317.29	1,236.72	80.57	16.349 CC, ES, SF		
11,100.00	7,630.00	7,825.95	7,591.87	56.11	36.71	90.39	-1,000.96	1,245.05	1,317.99	1,237.45	80.53	16.366		
11,200.00	7,630.00	7,826.34	7,592.26	56.60	36.71	90.40	-1,000.96	1,245.05	1,325.01	1,244.59	80.42	16.477		
11,300.00	7,630.00	7,826.74	7,592.66	57.20	36.71	90.42	-1,000.96	1,245.05	1,339.48	1,259.22	80.26	16.690		
11,400.00	7,630.00	7,827.14	7,593.07	57.91	36.71	90.44	-1,000.96	1,245.06	1,361.16	1,281.11	80.06	17.002		
11,500.00	7,630.00	7,827.55	7,593.47	58.72	36.71	90.46	-1,000.97	1,245.06	1,389.72	1,309.88	79.84	17.407		
11,600.00	7,630.00	7,827.97	7,593.89	59.63	36.72	90.47	-1,000.97	1,245.06	1,424.74	1,345.14	79.60	17.898		
11,700.00	7,630.00	7,828.38	7,594.30	60.61	36.72	90.49	-1,000.97	1,245.06	1,465.76	1,386.38	79.37	18.467		
11,800.00	7,630.00	7,828.80	7,594.73	61.67	36.72	90.51	-1,000.97	1,245.07	1,512.28	1,433.14	79.15	19.107		
11,900.00	7,630.00	7,829.23	7,595.15	62.78	36.72	90.53	-1,000.97	1,245.07	1,563.83	1,484.89	78.94	19.811		
12,000.00	7,630.00	7,829.66	7,595.58	63.95	36.72	90.55	-1,000.98	1,245.07	1,619.91	1,541.17	78.75	20.571		
12,100.00	7,630.00	7,830.10	7,596.02	65.16	36.72	90.57	-1,000.98	1,245.08	1,680.08	1,601.51	78.57	21.382		
12,200.00	7,630.00	7,830.54	7,596.46	66.41	36.72	90.59	-1,000.98	1,245.08	1,743.91	1,665.49	78.42	22.237		
12,300.00	7,630.00	7,830.99	7,596.91	67.68	36.72	90.60	-1,000.98	1,245.08	1,811.02	1,732.72	78.29	23.131		
12,400.00	7,630.00	7,831.44	7,597.36	68.99	36.72	90.62	-1,000.98	1,245.08	1,881.05	1,802.86	78.18	24.060		
12,500.00	7,630.00	7,831.89	7,597.81	70.33	36.73	90.64	-1,000.99	1,245.09	1,953.69	1,875.60	78.09	25.019		
12,600.00	7,630.00	7,832.36	7,598.28	71.68	36.73	90.66	-1,000.99	1,245.09	2,028.66	1,950.65	78.01	26.005		
12,700.00	7,630.00	7,832.82	7,598.74	73.06	36.73	90.68	-1,000.99	1,245.09	2,105.71	2,027.76	77.94	27.016		
12,800.00	7,630.00	7,833.30	7,599.22	74.45	36.73	90.71	-1,000.99	1,245.09	2,184.62	2,106.73	77.89	28.048		
12,900.00	7,630.00	7,833.77	7,599.69	75.87	36.73	90.73	-1,001.00	1,245.10	2,265.19	2,187.35	77.85	29.099		
13,000.00	7,630.00	7,834.26	7,600.18	77.29	36.73	90.75	-1,001.00	1,245.10	2,347.27	2,269.46	77.81	30.167		
13,100.00	7,630.00	7,834.75	7,600.67	78.74	36.73	90.77	-1,001.00	1,245.10	2,430.68	2,352.90	77.78	31.250		
13,200.00	7,630.00	7,835.24	7,601.16	80.19	36.73	90.79	-1,001.00	1,245.10	2,515.30	2,437.54	77.76	32.346		
13,300.00	7,630.00	7,835.74	7,601.66	81.66	36.73	90.81	-1,001.01	1,245.11	2,601.02	2,523.27	77.75	33.455		
13,400.00	7,630.00	7,836.25	7,602.17	83.14	36.74	90.83	-1,001.01	1,245.11	2,687.72	2,609.99	77.74	34.575		
13,500.00	7,630.00	7,836.76	7,602.68	84.63	36.74	90.86	-1,001.01	1,245.11	2,775.32	2,697.59	77.73	35.705		
13,600.00	7,630.00	7,837.28	7,603.20	86.14	36.74	90.88	-1,001.02	1,245.11	2,863.73	2,786.00	77.73	36.843		
13,700.00	7,630.00	7,837.81	7,603.73	87.65	36.74	90.90	-1,001.02	1,245.12	2,952.88	2,875.15	77.73	37.989		
13,800.00	7,630.00	7,838.34	7,604.26	89.17	36.74	90.92	-1,001.02	1,245.12	3,042.70	2,964.97	77.73	39.143		
13,900.00	7,630.00	7,838.88	7,604.80	90.70	36.74	90.95	-1,001.02	1,245.12	3,133.14	3,055.40	77.74	40.303		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
14,000.00	7,630.00	7,839.43	7,605.35	92.24	36.74	90.97	-1,001.03	1,245.12	3,224.15	3,146.40	77.75	41.468		
14,100.00	7,630.00	7,839.98	7,605.90	93.78	36.74	91.00	-1,001.03	1,245.13	3,315.67	3,237.91	77.76	42.639		
14,200.00	7,630.00	7,840.54	7,606.46	95.33	36.75	91.02	-1,001.03	1,245.13	3,407.67	3,329.90	77.77	43.815		
14,300.00	7,630.00	7,841.11	7,607.03	96.89	36.75	91.05	-1,001.04	1,245.13	3,500.11	3,422.32	77.79	44.995		
14,400.00	7,630.00	7,841.68	7,607.60	98.46	36.75	91.07	-1,001.04	1,245.13	3,592.95	3,515.15	77.81	46.178		
14,500.00	7,630.00	7,842.26	7,608.18	100.03	36.75	91.10	-1,001.04	1,245.14	3,686.17	3,608.35	77.82	47.365		
14,600.00	7,630.00	7,842.85	7,608.77	101.61	36.75	91.12	-1,001.05	1,245.14	3,779.74	3,701.89	77.84	48.555		
14,700.00	7,630.00	7,843.45	7,609.37	103.20	36.75	91.15	-1,001.05	1,245.14	3,873.62	3,795.76	77.86	49.748		
14,800.00	7,630.00	7,844.06	7,609.98	104.78	36.75	91.17	-1,001.05	1,245.14	3,967.81	3,889.92	77.89	50.943		
14,900.00	7,630.00	7,844.67	7,610.59	106.38	36.76	91.20	-1,001.06	1,245.15	4,062.27	3,984.36	77.91	52.141		
15,000.00	7,630.00	7,845.29	7,611.21	107.98	36.76	91.23	-1,001.06	1,245.15	4,156.99	4,079.06	77.93	53.340		
15,100.00	7,630.00	7,845.92	7,611.84	109.58	36.76	91.25	-1,001.06	1,245.15	4,251.95	4,174.00	77.96	54.541		
15,200.00	7,630.00	7,846.56	7,612.48	111.19	36.76	91.28	-1,001.07	1,245.15	4,347.14	4,269.16	77.98	55.744		
15,300.00	7,630.00	7,847.20	7,613.13	112.81	36.76	91.31	-1,001.07	1,245.16	4,442.54	4,364.53	78.01	56.947		
15,400.00	7,630.00	7,847.86	7,613.78	114.42	36.76	91.34	-1,001.08	1,245.16	4,538.14	4,460.10	78.04	58.152		
15,500.00	7,630.00	7,848.53	7,614.45	116.05	36.76	91.37	-1,001.08	1,245.16	4,633.92	4,555.86	78.07	59.358		
15,600.00	7,630.00	7,849.20	7,615.12	117.67	36.77	91.40	-1,001.08	1,245.16	4,729.88	4,651.79	78.10	60.564		
15,700.00	7,630.00	7,849.88	7,615.80	119.30	36.77	91.43	-1,001.09	1,245.16	4,826.01	4,747.88	78.13	61.771		
15,800.00	7,630.00	7,850.58	7,616.50	120.93	36.77	91.46	-1,001.09	1,245.17	4,922.28	4,844.12	78.16	62.979		
15,900.00	7,630.00	7,851.28	7,617.20	122.57	36.77	91.49	-1,001.10	1,245.17	5,018.70	4,940.52	78.19	64.187		
16,000.00	7,630.00	7,851.99	7,617.91	124.21	36.77	91.52	-1,001.10	1,245.17	5,115.26	5,037.04	78.22	65.395		
16,100.00	7,630.00	7,852.72	7,618.64	125.85	36.77	91.55	-1,001.11	1,245.17	5,211.95	5,133.70	78.25	66.603		
16,200.00	7,630.00	7,853.45	7,619.37	127.50	36.78	91.58	-1,001.11	1,245.17	5,308.77	5,230.48	78.29	67.811		
16,300.00	7,630.00	7,854.20	7,620.12	129.15	36.78	91.61	-1,001.12	1,245.17	5,405.69	5,327.37	78.32	69.019		
16,400.00	7,630.00	7,854.95	7,620.87	130.80	36.78	91.65	-1,001.12	1,245.18	5,502.73	5,424.37	78.36	70.227		
16,500.00	7,630.00	7,855.72	7,621.64	132.46	36.78	91.68	-1,001.13	1,245.18	5,599.87	5,521.48	78.39	71.434		
16,600.00	7,630.00	7,856.50	7,622.42	134.11	36.78	91.71	-1,001.13	1,245.18	5,697.11	5,618.68	78.43	72.641		
16,700.00	7,630.00	7,857.29	7,623.21	135.77	36.79	91.75	-1,001.14	1,245.18	5,794.45	5,715.98	78.47	73.847		
16,800.00	7,630.00	7,858.09	7,624.01	137.43	36.79	91.78	-1,001.14	1,245.18	5,891.87	5,813.37	78.50	75.053		
16,900.00	7,630.00	7,858.91	7,624.83	139.10	36.79	91.82	-1,001.15	1,245.18	5,989.38	5,910.84	78.54	76.259		
17,000.00	7,630.00	7,859.73	7,625.65	140.77	36.79	91.85	-1,001.15	1,245.19	6,086.97	6,008.39	78.58	77.463		
17,100.00	7,630.00	7,860.57	7,626.49	142.44	36.79	91.89	-1,001.16	1,245.19	6,184.63	6,106.02	78.62	78.667		
17,200.00	7,630.00	7,861.43	7,627.35	144.11	36.80	91.93	-1,001.16	1,245.19	6,282.37	6,203.72	78.66	79.870		
17,300.00	7,630.00	7,862.29	7,628.21	145.78	36.80	91.97	-1,001.17	1,245.19	6,380.18	6,301.49	78.70	81.072		
17,400.00	7,630.00	7,863.18	7,629.10	147.46	36.80	92.00	-1,001.18	1,245.19	6,478.06	6,399.32	78.74	82.273		
17,500.00	7,630.00	7,864.07	7,629.99	149.13	36.80	92.04	-1,001.18	1,245.19	6,576.00	6,497.22	78.78	83.473		
17,600.00	7,630.00	7,864.98	7,630.90	150.81	36.80	92.08	-1,001.19	1,245.19	6,674.00	6,595.18	78.82	84.672		
17,700.00	7,630.00	7,865.90	7,631.82	152.49	36.81	92.12	-1,001.20	1,245.19	6,772.06	6,693.20	78.86	85.870		
17,800.00	7,630.00	7,866.84	7,632.76	154.18	36.81	92.16	-1,001.20	1,245.19	6,870.18	6,791.27	78.91	87.067		
17,900.00	7,630.00	7,867.80	7,633.72	155.86	36.81	92.21	-1,001.21	1,245.19	6,968.34	6,889.39	78.95	88.262		
18,000.00	7,630.00	7,868.77	7,634.69	157.55	36.81	92.25	-1,001.22	1,245.19	7,066.56	6,987.57	78.99	89.456		
18,100.00	7,630.00	7,869.76	7,635.68	159.24	36.82	92.29	-1,001.23	1,245.19	7,164.83	7,085.79	79.04	90.649		
18,200.00	7,630.00	7,870.76	7,636.68	160.92	36.82	92.33	-1,001.23	1,245.19	7,263.15	7,184.07	79.08	91.840		
18,300.00	7,630.00	7,871.78	7,637.70	162.62	36.82	92.38	-1,001.24	1,245.19	7,361.51	7,282.38	79.13	93.030		
18,400.00	7,630.00	7,872.82	7,638.74	164.31	36.82	92.42	-1,001.25	1,245.19	7,459.92	7,380.74	79.18	94.219		
18,458.39	7,630.00	7,873.44	7,639.36	165.30	36.82	92.45	-1,001.25	1,245.19	7,517.40	7,438.19	79.20	94.912		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	133.88	-2,073.07	2,155.64	2,991.09					
100.00	100.00	61.55	61.55	0.13	0.10	133.88	-2,072.96	2,155.62	2,990.65	2,990.41	0.23	N/A		
200.00	200.00	165.71	165.71	0.49	0.36	133.87	-2,072.38	2,155.53	2,990.19	2,989.34	0.85	3,516.053		
300.00	300.00	264.53	264.53	0.85	0.71	133.87	-2,071.98	2,155.43	2,989.84	2,988.28	1.56	1,912.919		
400.00	400.00	371.95	371.94	1.21	1.10	133.87	-2,071.48	2,155.18	2,989.34	2,987.04	2.31	1,296.816		
500.00	500.00	614.17	614.00	1.57	1.96	133.93	-2,069.49	2,147.96	2,987.05	2,983.52	3.53	846.727		
600.00	600.00	733.70	733.08	1.93	2.40	134.08	-2,069.83	2,137.60	2,980.94	2,976.62	4.32	690.740		
700.00	700.00	822.86	821.73	2.29	2.74	134.23	-2,071.87	2,128.39	2,975.08	2,970.08	5.00	594.801		
800.00	800.00	899.02	897.33	2.64	3.03	134.39	-2,074.96	2,119.68	2,969.74	2,964.09	5.65	525.805		
900.00	900.00	967.07	964.73	3.00	3.30	134.56	-2,079.24	2,111.39	2,965.42	2,959.15	6.27	472.906		
1,000.00	1,000.00	1,033.66	1,030.50	3.36	3.56	134.76	-2,085.01	2,102.74	2,962.22	2,955.33	6.90	429.574		
1,100.00	1,100.00	1,085.54	1,081.60	3.72	3.78	134.93	-2,090.64	2,095.79	2,960.39	2,952.93	7.47	396.395		
1,169.75	1,169.75	1,119.70	1,115.21	3.97	3.92	84.00	-2,094.91	2,091.35	2,960.06	2,952.20	7.86	376.679		
1,200.00	1,199.98	1,139.00	1,134.18	4.07	4.00	84.07	-2,097.51	2,088.90	2,960.13	2,952.08	8.05	367.883		
1,300.00	1,299.84	1,181.56	1,175.95	4.43	4.18	84.25	-2,103.73	2,083.68	2,961.28	2,952.70	8.58	345.162		
1,400.00	1,399.45	1,233.00	1,226.36	4.79	4.40	84.48	-2,112.09	2,077.74	2,963.95	2,954.79	9.15	323.771		
1,500.00	1,498.70	1,262.00	1,254.72	5.15	4.53	84.57	-2,117.26	2,074.59	2,968.25	2,958.61	9.64	308.054		
1,600.00	1,597.47	1,325.13	1,316.32	5.53	4.80	84.89	-2,129.42	2,068.08	2,973.98	2,963.69	10.29	289.107		
1,700.00	1,695.62	1,373.06	1,362.96	5.93	5.02	85.11	-2,139.40	2,063.35	2,981.16	2,970.28	10.89	273.823		
1,800.00	1,793.06	1,433.00	1,421.04	6.35	5.29	85.45	-2,153.09	2,057.66	2,990.06	2,978.50	11.57	258.495		
1,900.00	1,889.64	1,458.51	1,445.66	6.79	5.41	85.47	-2,159.33	2,055.35	3,000.56	2,988.46	12.10	247.916		
2,000.00	1,985.27	1,496.12	1,481.88	7.27	5.59	85.59	-2,168.99	2,052.17	3,013.04	3,000.31	12.73	236.711		
2,100.00	2,079.82	1,527.00	1,511.51	7.79	5.74	85.62	-2,177.32	2,049.77	3,027.49	3,014.14	13.35	226.768		
2,200.00	2,173.17	1,568.22	1,550.95	8.36	5.95	85.73	-2,188.95	2,046.91	3,043.90	3,029.83	14.07	216.410		
2,300.00	2,265.21	1,622.00	1,602.22	8.97	6.22	85.98	-2,204.91	2,043.89	3,062.46	3,047.57	14.89	205.663		
2,400.00	2,355.84	1,648.51	1,627.44	9.64	6.35	85.88	-2,212.99	2,042.65	3,082.71	3,067.11	15.60	197.548		
2,500.00	2,444.94	1,709.76	1,685.75	10.36	6.67	86.18	-2,231.58	2,040.26	3,104.56	3,088.00	16.56	187.465		
2,591.69	2,525.19	1,820.78	1,791.79	11.07	7.25	87.14	-2,264.23	2,036.37	3,125.12	3,107.33	17.79	175.649		
2,600.00	2,532.40	1,825.04	1,795.87	11.14	7.27	87.19	-2,265.46	2,036.22	3,127.00	3,109.13	17.87	174.965		
2,700.00	2,619.15	1,876.48	1,845.08	11.96	7.54	87.83	-2,280.31	2,034.64	3,150.60	3,131.75	18.85	167.140		
2,800.00	2,705.89	1,955.94	1,921.15	12.81	7.96	88.80	-2,303.23	2,032.94	3,175.84	3,155.85	19.99	158.834		
2,900.00	2,792.64	2,040.29	2,002.18	13.67	8.41	89.81	-2,326.63	2,031.69	3,201.81	3,180.64	21.17	151.242		
3,000.00	2,879.39	2,109.35	2,068.53	14.55	8.77	90.62	-2,345.75	2,030.90	3,229.07	3,206.81	22.26	145.054		
3,100.00	2,966.14	2,191.16	2,147.00	15.44	9.22	91.59	-2,368.83	2,028.97	3,257.43	3,234.00	23.43	139.024		
3,200.00	3,052.88	2,232.54	2,186.59	16.34	9.46	92.08	-2,380.78	2,027.81	3,287.23	3,262.87	24.36	134.926		
3,300.00	3,139.63	2,282.00	2,233.84	17.25	9.73	92.66	-2,395.39	2,026.84	3,318.85	3,293.52	25.34	130.996		
3,400.00	3,226.38	2,380.28	2,328.00	18.17	10.28	93.77	-2,423.53	2,026.79	3,351.64	3,325.05	26.58	126.080		
3,500.00	3,313.12	2,431.16	2,376.82	19.09	10.56	94.33	-2,437.86	2,027.16	3,385.26	3,357.72	27.54	122.917		
3,600.00	3,399.87	2,494.42	2,437.33	20.02	10.92	95.03	-2,456.29	2,027.05	3,420.30	3,391.74	28.56	119.738		
3,700.00	3,486.62	2,578.66	2,517.95	20.96	11.40	95.95	-2,480.76	2,026.64	3,456.15	3,426.44	29.71	116.327		
3,800.00	3,573.37	2,636.73	2,573.57	21.90	11.72	96.57	-2,497.42	2,027.16	3,493.06	3,462.37	30.68	113.843		
3,900.00	3,660.11	2,882.56	2,810.00	22.84	13.11	99.18	-2,564.08	2,022.10	3,528.35	3,495.55	32.80	107.580		
4,000.00	3,746.86	2,925.25	2,851.11	23.78	13.36	99.64	-2,575.36	2,020.00	3,563.96	3,530.28	33.68	105.818		
4,100.00	3,833.61	2,978.51	2,902.40	24.73	13.66	100.19	-2,589.62	2,018.15	3,601.05	3,566.44	34.61	104.049		
4,200.00	3,920.35	3,040.97	2,962.58	25.68	14.01	100.83	-2,606.31	2,016.94	3,639.32	3,603.74	35.58	102.278		
4,300.00	4,007.10	3,142.11	3,060.01	26.63	14.59	101.85	-2,633.25	2,013.97	3,678.12	3,641.33	36.78	99.990		
4,400.00	4,093.85	3,196.11	3,111.92	27.59	14.90	102.40	-2,647.90	2,011.46	3,717.78	3,680.09	37.69	98.642		
4,500.00	4,180.60	3,268.94	3,181.80	28.55	15.33	103.14	-2,668.08	2,007.56	3,758.55	3,719.85	38.70	97.115		
4,600.00	4,267.34	3,348.06	3,257.79	29.50	15.79	103.93	-2,689.71	2,003.46	3,799.89	3,760.14	39.74	95.610		
4,700.00	4,354.09	3,410.62	3,317.91	30.46	16.16	104.54	-2,706.78	2,000.79	3,842.12	3,801.45	40.67	94.474		
4,800.00	4,440.84	3,458.68	3,364.07	31.42	16.44	105.00	-2,720.04	1,999.03	3,885.41	3,843.93	41.49	93.652		
4,900.00	4,527.58	3,507.00	3,410.40	32.39	16.73	105.46	-2,733.68	1,997.35	3,929.89	3,887.60	42.30	92.915		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,614.33	3,581.49	3,481.79	33.35	17.17	106.15	-2,754.83	1,995.25	3,975.27	3,932.01	43.26	91.883		
5,100.00	4,701.08	3,650.59	3,548.08	34.31	17.57	106.78	-2,774.31	1,994.04	4,021.28	3,977.09	44.19	91.003		
5,200.00	4,787.82	3,716.16	3,610.98	35.28	17.96	107.35	-2,792.82	1,993.38	4,068.01	4,022.93	45.08	90.238		
5,300.00	4,874.57	3,778.40	3,670.62	36.25	18.33	107.89	-2,810.59	1,992.46	4,115.50	4,069.56	45.94	89.581		
5,400.00	4,961.32	3,835.38	3,725.12	37.21	18.67	108.39	-2,827.14	1,990.93	4,163.79	4,117.03	46.76	89.043		
5,500.00	5,048.07	5,500.00	4,756.97	38.18	25.76	116.47	-3,022.28	1,964.41	4,212.41	4,157.33	55.08	76.474		
5,600.00	5,134.81	5,082.68	4,950.05	39.15	24.33	117.74	-3,030.70	1,961.24	4,241.77	4,187.43	54.34	78.062		
5,700.00	5,221.56	5,183.99	5,051.30	40.12	24.64	118.38	-3,033.96	1,960.06	4,271.09	4,215.74	55.35	77.165		
5,800.00	5,308.31	5,256.30	5,123.57	41.09	24.85	118.84	-3,036.19	1,959.26	4,300.75	4,244.50	56.25	76.453		
5,900.00	5,395.05	5,410.61	5,277.81	42.06	25.31	119.79	-3,040.50	1,958.29	4,330.83	4,273.39	57.44	75.397		
6,000.00	5,481.80	5,484.96	5,352.15	43.03	25.53	120.23	-3,041.80	1,958.43	4,360.26	4,301.92	58.34	74.738		
6,100.00	5,568.55	5,577.39	5,444.57	44.00	25.79	120.77	-3,043.48	1,958.69	4,390.16	4,330.86	59.30	74.035		
6,200.00	5,655.30	5,671.01	5,538.17	44.97	26.06	121.31	-3,045.04	1,958.88	4,420.28	4,360.02	60.26	73.357		
6,300.00	5,742.04	5,773.43	5,640.58	45.94	26.36	121.90	-3,046.48	1,958.98	4,450.55	4,389.31	61.24	72.672		
6,400.00	5,828.79	5,885.68	5,752.82	46.92	26.67	122.53	-3,047.54	1,959.30	4,480.80	4,418.54	62.25	71.978		
6,500.00	5,915.54	6,015.31	5,882.46	47.89	27.02	123.25	-3,047.76	1,959.53	4,510.72	4,447.42	63.30	71.254		
6,600.00	6,002.28	6,109.59	5,976.73	48.86	27.26	123.78	-3,047.28	1,959.22	4,540.38	4,476.15	64.23	70.690		
6,700.00	6,089.03	6,182.95	6,050.09	49.83	27.45	124.18	-3,047.04	1,958.67	4,570.55	4,505.47	65.08	70.225		
6,800.00	6,175.78	6,255.07	6,122.20	50.81	27.64	124.58	-3,047.05	1,958.06	4,601.36	4,535.43	65.93	69.790		
6,900.00	6,262.53	6,351.59	6,218.73	51.78	27.90	125.10	-3,047.11	1,957.71	4,632.56	4,565.70	66.85	69.294		
7,000.00	6,349.27	6,478.80	6,345.94	52.76	28.22	125.77	-3,046.35	1,957.73	4,663.45	4,595.59	67.86	68.718		
7,100.00	6,436.02	6,571.65	6,438.78	53.73	28.46	126.26	-3,045.40	1,956.91	4,694.36	4,625.60	68.76	68.273		
7,200.00	6,522.77	6,655.40	6,522.50	54.71	28.68	126.71	-3,044.46	1,954.90	4,725.54	4,655.92	69.62	67.877		
7,300.00	6,609.51	6,727.69	6,594.75	55.68	28.88	127.10	-3,043.78	1,952.53	4,757.23	4,686.80	70.43	67.541		
7,400.00	6,696.26	6,793.71	6,660.72	56.66	29.06	127.46	-3,043.38	1,950.10	4,789.58	4,718.35	71.22	67.247		
7,500.00	6,783.01	6,858.52	6,725.48	57.63	29.25	127.81	-3,043.26	1,947.74	4,822.62	4,750.61	72.00	66.978		
7,600.00	6,869.76	6,924.97	6,791.91	58.61	29.44	128.16	-3,043.46	1,945.83	4,856.35	4,783.57	72.78	66.723		
7,683.49	6,942.18	6,988.44	6,855.34	59.42	29.63	128.49	-3,043.80	1,943.99	4,884.95	4,811.49	73.46	66.496		
7,700.00	6,956.57	7,001.00	6,867.90	59.58	29.66	126.09	-3,043.88	1,943.59	4,890.42	4,816.82	73.60	66.450		
7,750.00	7,000.85	7,153.91	7,020.69	60.04	30.10	118.43	-3,043.16	1,937.71	4,903.89	4,829.48	74.41	65.905		
7,800.00	7,045.94	7,216.35	7,083.06	60.46	30.27	108.86	-3,041.87	1,934.99	4,912.42	4,837.53	74.89	65.594		
7,850.00	7,091.49	7,244.20	7,110.89	60.84	30.35	98.08	-3,041.36	1,933.96	4,916.86	4,841.60	75.26	65.335		
7,900.00	7,137.15	7,272.25	7,138.92	61.17	30.43	87.04	-3,040.96	1,933.08	4,917.20	4,841.59	75.61	65.032		
7,950.00	7,182.58	7,304.12	7,170.78	61.44	30.51	76.64	-3,040.63	1,932.30	4,913.44	4,837.48	75.97	64.678		
8,000.00	7,227.43	7,342.46	7,209.11	61.67	30.62	67.55	-3,040.33	1,931.74	4,905.54	4,829.21	76.33	64.267		
8,050.00	7,271.36	7,380.41	7,247.06	61.84	30.72	60.00	-3,040.12	1,931.61	4,893.53	4,816.85	76.68	63.820		
8,100.00	7,314.04	7,415.46	7,282.12	61.96	30.82	53.94	-3,039.98	1,931.65	4,877.49	4,800.50	77.00	63.347		
8,150.00	7,355.14	7,448.90	7,315.55	62.04	30.91	49.19	-3,039.89	1,931.52	4,857.56	4,780.27	77.29	62.849		
8,200.00	7,394.34	7,480.79	7,347.44	62.07	31.00	45.53	-3,039.84	1,931.25	4,833.88	4,756.32	77.56	62.325		
8,250.00	7,431.36	7,512.51	7,379.16	62.06	31.10	42.80	-3,039.82	1,930.91	4,806.60	4,728.78	77.81	61.770		
8,300.00	7,465.90	7,542.14	7,408.79	62.01	31.18	40.83	-3,039.83	1,930.58	4,775.91	4,697.87	78.05	61.194		
8,350.00	7,497.71	7,569.47	7,436.12	61.93	31.27	39.55	-3,039.86	1,930.26	4,742.04	4,663.78	78.25	60.599		
8,400.00	7,526.53	7,667.00	7,533.64	61.81	31.54	39.64	-3,039.30	1,930.28	4,704.85	4,626.14	78.71	59.774		
8,450.00	7,552.17	7,688.43	7,555.07	61.66	31.60	39.77	-3,039.06	1,930.56	4,664.90	4,586.03	78.87	59.147		
8,500.00	7,574.41	7,699.43	7,566.06	61.48	31.63	40.58	-3,038.97	1,930.70	4,622.66	4,543.69	78.98	58.530		
8,550.00	7,593.09	7,708.71	7,575.34	61.29	31.66	42.39	-3,038.92	1,930.81	4,578.40	4,499.33	79.07	57.902		
8,600.00	7,608.07	7,716.20	7,582.84	61.07	31.68	45.65	-3,038.89	1,930.90	4,532.42	4,453.27	79.15	57.265		
8,650.00	7,619.23	7,721.82	7,588.46	60.84	31.69	51.34	-3,038.87	1,930.97	4,485.04	4,405.83	79.21	56.620		
8,700.00	7,626.48	7,725.50	7,592.13	60.60	31.70	61.63	-3,038.87	1,931.01	4,436.60	4,357.34	79.26	55.972		
8,750.00	7,629.78	7,727.17	7,593.80	60.35	31.71	81.35	-3,038.86	1,931.03	4,387.45	4,308.14	79.31	55.323		
8,766.45	7,630.00	7,727.27	7,593.90	60.27	31.71	91.00	-3,038.86	1,931.03	4,371.19	4,291.87	79.32	55.110		
8,800.00	7,630.00	7,727.26	7,593.89	60.10	31.71	91.00	-3,038.86	1,931.03	4,337.98	4,258.64	79.34	54.675		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		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)						
8,900.00	7,630.00	7,727.21	7,593.84	59.61	31.71	90.99	-3,038.86	1,931.03	4,239.04	4,159.63	79.41	53.381		
9,000.00	7,630.00	7,727.17	7,593.80	59.15	31.71	90.99	-3,038.86	1,931.03	4,140.16	4,060.68	79.49	52.087		
9,100.00	7,630.00	7,727.12	7,593.75	58.71	31.71	90.99	-3,038.86	1,931.03	4,041.33	3,961.77	79.57	50.793		
9,200.00	7,630.00	7,727.07	7,593.70	58.30	31.71	90.98	-3,038.86	1,931.03	3,942.57	3,862.92	79.65	49.498		
9,300.00	7,630.00	7,727.02	7,593.65	57.91	31.71	90.98	-3,038.86	1,931.03	3,843.86	3,764.12	79.74	48.204		
9,400.00	7,630.00	7,726.97	7,593.60	57.54	31.71	90.97	-3,038.86	1,931.03	3,745.22	3,665.39	79.84	46.910		
9,500.00	7,630.00	7,726.92	7,593.55	57.19	31.71	90.97	-3,038.87	1,931.03	3,646.66	3,566.72	79.94	45.616		
9,600.00	7,630.00	7,726.87	7,593.50	56.87	31.71	90.96	-3,038.87	1,931.03	3,548.18	3,468.13	80.05	44.322		
9,700.00	7,630.00	7,726.81	7,593.44	56.57	31.71	90.96	-3,038.87	1,931.03	3,449.79	3,369.61	80.17	43.028		
9,800.00	7,630.00	7,726.76	7,593.39	56.30	31.71	90.95	-3,038.87	1,931.03	3,351.49	3,271.19	80.30	41.735		
9,900.00	7,630.00	7,726.70	7,593.33	56.05	31.71	90.95	-3,038.87	1,931.03	3,253.29	3,172.85	80.44	40.443		
10,000.00	7,630.00	7,726.64	7,593.27	55.82	31.71	90.94	-3,038.87	1,931.02	3,155.21	3,074.62	80.59	39.151		
10,100.00	7,630.00	7,726.58	7,593.21	55.63	31.71	90.94	-3,038.87	1,931.02	3,057.25	2,976.50	80.75	37.860		
10,200.00	7,630.00	7,726.52	7,593.15	55.46	31.71	90.93	-3,038.87	1,931.02	2,959.43	2,878.51	80.92	36.570		
10,300.00	7,630.00	7,726.46	7,593.09	55.32	31.71	90.93	-3,038.87	1,931.02	2,861.76	2,780.65	81.11	35.282		
10,400.00	7,630.00	7,726.39	7,593.02	55.22	31.71	90.92	-3,038.87	1,931.02	2,764.26	2,682.94	81.32	33.994		
10,500.00	7,630.00	7,726.33	7,592.96	55.15	31.71	90.91	-3,038.87	1,931.02	2,666.94	2,585.40	81.54	32.708		
10,600.00	7,630.00	7,726.26	7,592.89	55.14	31.71	90.91	-3,038.87	1,931.02	2,569.83	2,488.05	81.78	31.424		
10,700.00	7,630.00	7,726.19	7,592.82	55.18	31.71	90.90	-3,038.87	1,931.02	2,472.95	2,390.90	82.04	30.143		
10,800.00	7,630.00	7,726.11	7,592.75	55.28	31.71	90.89	-3,038.87	1,931.02	2,376.32	2,293.99	82.33	28.863		
10,900.00	7,630.00	7,726.04	7,592.67	55.47	31.71	90.89	-3,038.87	1,931.02	2,279.99	2,197.34	82.65	27.587		
11,000.00	7,630.00	7,725.96	7,592.60	55.74	31.70	90.88	-3,038.87	1,931.02	2,183.98	2,100.99	83.00	26.314		
11,100.00	7,630.00	7,725.89	7,592.52	56.11	31.70	90.87	-3,038.87	1,931.02	2,088.36	2,004.97	83.38	25.046		
11,200.00	7,630.00	7,725.80	7,592.44	56.60	31.70	90.87	-3,038.87	1,931.01	1,993.16	1,909.35	83.81	23.782		
11,300.00	7,630.00	7,725.72	7,592.35	57.20	31.70	90.86	-3,038.87	1,931.01	1,898.45	1,814.16	84.29	22.524		
11,400.00	7,630.00	7,725.63	7,592.27	57.91	31.70	90.85	-3,038.87	1,931.01	1,804.32	1,719.50	84.82	21.272		
11,500.00	7,630.00	7,725.55	7,592.18	58.72	31.70	90.84	-3,038.87	1,931.01	1,710.85	1,625.43	85.42	20.029		
11,600.00	7,630.00	7,725.45	7,592.08	59.63	31.70	90.83	-3,038.87	1,931.01	1,618.16	1,532.07	86.09	18.795		
11,700.00	7,630.00	7,725.36	7,591.99	60.61	31.70	90.82	-3,038.87	1,931.01	1,526.39	1,439.54	86.86	17.574		
11,800.00	7,630.00	7,725.26	7,591.89	61.67	31.70	90.82	-3,038.87	1,931.01	1,435.73	1,348.01	87.72	16.366		
11,900.00	7,630.00	7,725.16	7,591.79	62.78	31.70	90.81	-3,038.87	1,931.01	1,346.39	1,257.68	88.71	15.177		
12,000.00	7,630.00	7,725.05	7,591.69	63.95	31.70	90.80	-3,038.87	1,931.01	1,258.65	1,168.81	89.84	14.010		
12,100.00	7,630.00	7,724.95	7,591.58	65.16	31.70	90.79	-3,038.87	1,931.00	1,172.88	1,081.75	91.13	12.870		
12,200.00	7,630.00	7,724.83	7,591.47	66.41	31.70	90.78	-3,038.87	1,931.00	1,089.54	996.92	92.61	11.765		
12,300.00	7,630.00	7,724.72	7,591.35	67.68	31.70	90.77	-3,038.87	1,931.00	1,009.22	914.93	94.29	10.703		
12,400.00	7,630.00	7,724.60	7,591.23	68.99	31.70	90.76	-3,038.87	1,931.00	932.72	836.54	96.19	9.697		
12,500.00	7,630.00	7,724.47	7,591.10	70.33	31.70	90.74	-3,038.87	1,931.00	861.06	762.78	98.28	8.762		
12,600.00	7,630.00	7,724.34	7,590.97	71.68	31.70	90.73	-3,038.87	1,931.00	795.52	695.02	100.50	7.916		
12,700.00	7,630.00	7,724.21	7,590.84	73.06	31.70	90.72	-3,038.87	1,931.00	737.77	635.05	102.72	7.182		
12,800.00	7,630.00	7,724.07	7,590.70	74.45	31.70	90.71	-3,038.87	1,930.99	689.74	585.04	104.70	6.588		
12,900.00	7,630.00	7,723.92	7,590.55	75.87	31.70	90.69	-3,038.87	1,930.99	653.59	547.51	106.08	6.161		
13,000.00	7,630.00	7,723.77	7,590.40	77.29	31.70	90.68	-3,038.87	1,930.99	631.37	524.89	106.48	5.929		
13,092.79	7,630.00	7,723.63	7,590.26	78.63	31.70	90.67	-3,038.87	1,930.99	624.51	518.78	105.73	5.907 CC, ES, SF		
13,100.00	7,630.00	7,723.61	7,590.25	78.74	31.70	90.66	-3,038.87	1,930.99	624.55	518.93	105.62	5.913		
13,200.00	7,630.00	7,723.45	7,590.08	80.19	31.70	90.65	-3,038.87	1,930.99	633.65	530.14	103.51	6.122		
13,300.00	7,630.00	7,723.28	7,589.91	81.66	31.70	90.63	-3,038.87	1,930.99	657.99	557.53	100.46	6.550		
13,400.00	7,630.00	7,723.10	7,589.73	83.14	31.70	90.62	-3,038.87	1,930.98	695.98	599.04	96.94	7.179		
13,500.00	7,630.00	7,722.91	7,589.54	84.63	31.70	90.60	-3,038.87	1,930.98	745.54	652.12	93.42	7.980		
13,600.00	7,630.00	7,722.71	7,589.34	86.14	31.70	90.58	-3,038.87	1,930.98	804.53	714.33	90.20	8.919		
13,700.00	7,630.00	7,722.51	7,589.14	87.65	31.70	90.56	-3,038.87	1,930.98	871.04	783.63	87.42	9.964		
13,800.00	7,630.00	7,722.29	7,588.92	89.17	31.69	90.54	-3,038.87	1,930.97	943.48	858.38	85.10	11.087		
13,900.00	7,630.00	7,722.06	7,588.70	90.70	31.69	90.52	-3,038.87	1,930.97	1,020.59	937.37	83.22	12.264		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
14,000.00	7,630.00	7,721.82	7,588.46	92.24	31.69	90.50	-3,038.87	1,930.97	1,101.38	1,019.67	81.71	13.480		
14,100.00	7,630.00	7,721.57	7,588.20	93.78	31.69	90.48	-3,038.87	1,930.97	1,185.11	1,104.60	80.51	14.720		
14,200.00	7,630.00	7,721.31	7,587.94	95.33	31.69	90.45	-3,038.87	1,930.96	1,271.19	1,191.63	79.56	15.978		
14,300.00	7,630.00	7,721.03	7,587.66	96.89	31.69	90.43	-3,038.87	1,930.96	1,359.18	1,280.37	78.81	17.247		
14,400.00	7,630.00	7,720.73	7,587.36	98.46	31.69	90.40	-3,038.87	1,930.96	1,448.72	1,370.51	78.21	18.523		
14,500.00	7,630.00	7,720.42	7,587.05	100.03	31.69	90.37	-3,038.88	1,930.95	1,539.56	1,461.82	77.74	19.803		
14,600.00	7,630.00	7,720.08	7,586.72	101.61	31.69	90.34	-3,038.88	1,930.95	1,631.47	1,554.09	77.37	21.086		
14,700.00	7,630.00	7,719.73	7,586.36	103.20	31.69	90.31	-3,038.88	1,930.94	1,724.27	1,647.19	77.08	22.370		
14,800.00	7,630.00	7,719.35	7,585.98	104.78	31.69	90.27	-3,038.88	1,930.94	1,817.84	1,740.99	76.85	23.654		
14,900.00	7,630.00	7,718.95	7,585.58	106.38	31.69	90.24	-3,038.88	1,930.93	1,912.07	1,835.40	76.67	24.939		
15,000.00	7,630.00	7,718.52	7,585.15	107.98	31.68	90.20	-3,038.88	1,930.93	2,006.85	1,930.32	76.53	26.222		
15,100.00	7,630.00	7,718.06	7,584.69	109.58	31.68	90.15	-3,038.88	1,930.92	2,102.11	2,025.69	76.43	27.505		
15,200.00	7,630.00	7,717.56	7,584.19	111.19	31.68	90.11	-3,038.88	1,930.92	2,197.80	2,121.45	76.35	28.787		
15,300.00	7,630.00	7,717.02	7,583.66	112.81	31.68	90.06	-3,038.88	1,930.91	2,293.85	2,217.56	76.29	30.068		
15,400.00	7,630.00	7,716.45	7,583.08	114.42	31.68	90.01	-3,038.89	1,930.91	2,390.23	2,313.98	76.25	31.348		
15,500.00	7,630.00	7,715.82	7,582.45	116.05	31.68	89.95	-3,038.89	1,930.90	2,486.89	2,410.67	76.22	32.627		
15,600.00	7,630.00	7,715.13	7,581.77	117.67	31.67	89.89	-3,038.89	1,930.89	2,583.81	2,507.60	76.21	33.904		
15,700.00	7,630.00	7,714.39	7,581.02	119.30	31.67	89.82	-3,038.89	1,930.88	2,680.95	2,604.75	76.21	35.181		
15,800.00	7,630.00	7,713.57	7,580.20	120.93	31.67	89.74	-3,038.90	1,930.87	2,778.30	2,702.09	76.21	36.455		
15,900.00	7,630.00	7,712.67	7,579.30	122.57	31.67	89.66	-3,038.90	1,930.86	2,875.83	2,799.60	76.22	37.729		
16,000.00	7,630.00	7,711.67	7,578.30	124.21	31.66	89.57	-3,038.90	1,930.85	2,973.52	2,897.28	76.24	39.001		
16,100.00	7,630.00	7,710.55	7,577.19	125.85	31.66	89.47	-3,038.91	1,930.83	3,071.36	2,995.09	76.27	40.272		
16,200.00	7,630.00	7,709.31	7,575.94	127.50	31.66	89.35	-3,038.91	1,930.82	3,169.33	3,093.04	76.29	41.541		
16,300.00	7,630.00	7,707.90	7,574.54	129.15	31.65	89.22	-3,038.92	1,930.80	3,267.43	3,191.11	76.33	42.809		
16,400.00	7,630.00	7,706.31	7,572.94	130.80	31.65	89.08	-3,038.93	1,930.78	3,365.64	3,289.28	76.36	44.075		
16,500.00	7,630.00	7,704.48	7,571.11	132.46	31.64	88.91	-3,038.94	1,930.76	3,463.95	3,387.55	76.40	45.340		
16,600.00	7,630.00	7,702.36	7,568.99	134.11	31.64	88.72	-3,038.95	1,930.74	3,562.36	3,485.92	76.44	46.603		
16,700.00	7,630.00	7,699.87	7,566.50	135.77	31.63	88.49	-3,038.97	1,930.70	3,660.85	3,584.37	76.48	47.865		
16,800.00	7,630.00	7,696.92	7,563.55	137.43	31.62	88.22	-3,038.99	1,930.67	3,759.42	3,682.89	76.53	49.125		
16,900.00	7,630.00	7,693.36	7,559.99	139.10	31.61	87.89	-3,039.02	1,930.62	3,858.06	3,781.49	76.58	50.383		
17,000.00	7,630.00	7,688.97	7,555.61	140.77	31.60	87.49	-3,039.05	1,930.57	3,956.77	3,880.15	76.62	51.639		
17,100.00	7,630.00	7,683.44	7,550.07	142.44	31.59	86.98	-3,039.11	1,930.50	4,055.55	3,978.87	76.67	52.893		
17,200.00	7,630.00	7,676.24	7,542.88	144.11	31.57	86.33	-3,039.18	1,930.40	4,154.38	4,077.65	76.73	54.145		
17,300.00	7,630.00	7,667.00	7,533.64	145.78	31.54	85.49	-3,039.30	1,930.28	4,253.26	4,176.48	76.78	55.395		
17,400.00	7,630.00	7,667.00	7,533.64	147.46	31.54	85.49	-3,039.30	1,930.28	4,352.19	4,275.36	76.83	56.647		
17,500.00	7,630.00	7,667.00	7,533.64	149.13	31.54	85.49	-3,039.30	1,930.28	4,451.17	4,374.29	76.88	57.899		
17,600.00	7,630.00	7,667.00	7,533.64	150.81	31.54	85.49	-3,039.30	1,930.28	4,550.20	4,473.27	76.93	59.148		
17,700.00	7,630.00	7,667.00	7,533.64	152.49	31.54	85.49	-3,039.30	1,930.28	4,649.26	4,572.28	76.98	60.396		
17,800.00	7,630.00	7,667.00	7,533.64	154.18	31.54	85.49	-3,039.30	1,930.28	4,748.37	4,671.34	77.03	61.643		
17,900.00	7,630.00	7,667.00	7,533.64	155.86	31.54	85.49	-3,039.30	1,930.28	4,847.51	4,770.43	77.08	62.887		
18,000.00	7,630.00	7,667.00	7,533.64	157.55	31.54	85.49	-3,039.30	1,930.28	4,946.69	4,869.55	77.13	64.130		
18,100.00	7,630.00	7,667.00	7,533.64	159.24	31.54	85.49	-3,039.30	1,930.28	5,045.89	4,968.71	77.19	65.372		
18,200.00	7,630.00	7,667.00	7,533.64	160.92	31.54	85.49	-3,039.30	1,930.28	5,145.13	5,067.89	77.24	66.611		
18,300.00	7,630.00	7,667.00	7,533.64	162.62	31.54	85.49	-3,039.30	1,930.28	5,244.40	5,167.11	77.29	67.849		
18,400.00	7,630.00	7,667.00	7,533.64	164.31	31.54	85.49	-3,039.30	1,930.28	5,343.70	5,266.35	77.35	69.086		
18,458.39	7,630.00	7,667.00	7,533.64	165.30	31.54	85.49	-3,039.30	1,930.28	5,401.69	5,324.31	77.38	69.807		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	109.07	-1,475.37	4,266.93	4,515.08					
100.00	100.00	32.67	32.67	0.13	0.05	109.07	-1,475.36	4,267.00	4,514.90	4,514.71	0.19	N/A		
200.00	200.00	98.01	98.01	0.49	0.16	109.07	-1,475.29	4,267.56	4,515.66	4,515.02	0.65	6,975.089		
300.00	300.00	242.46	242.45	0.85	0.62	109.06	-1,474.80	4,269.01	4,516.58	4,515.11	1.47	3,065.152		
400.00	400.00	522.90	522.49	1.21	1.61	109.20	-1,483.73	4,260.67	4,514.92	4,512.11	2.82	1,601.995		
500.00	500.00	619.53	618.40	1.57	1.98	109.34	-1,492.87	4,253.33	4,510.85	4,507.31	3.54	1,273.015		
600.00	600.00	688.78	686.76	1.93	2.26	109.48	-1,502.27	4,247.66	4,507.56	4,503.38	4.18	1,077.676		
700.00	700.00	793.69	789.54	2.29	2.73	109.74	-1,520.77	4,237.64	4,504.42	4,499.42	5.00	900.035		
800.00	800.00	876.22	869.79	2.64	3.12	109.98	-1,537.95	4,228.94	4,501.50	4,495.75	5.76	781.922		
900.00	900.00	950.00	941.29	3.00	3.49	110.22	-1,554.39	4,221.19	4,499.21	4,492.72	6.48	693.791		
1,000.00	1,000.00	1,109.62	1,095.85	3.36	4.32	110.72	-1,590.30	4,203.85	4,496.96	4,489.28	7.67	585.934		
1,100.00	1,100.00	1,214.00	1,197.02	3.72	4.88	111.05	-1,612.76	4,191.43	4,493.40	4,484.82	8.58	523.455		
1,200.00	1,199.98	1,277.24	1,258.39	4.07	5.21	60.25	-1,626.23	4,184.26	4,489.62	4,480.34	9.27	484.081		
1,300.00	1,299.84	1,369.65	1,348.06	4.43	5.71	60.67	-1,646.27	4,174.40	4,484.94	4,474.81	10.12	443.038		
1,400.00	1,399.45	1,453.83	1,429.41	4.79	6.17	61.13	-1,665.68	4,164.77	4,478.57	4,467.63	10.94	409.246		
1,500.00	1,498.70	1,533.09	1,505.80	5.15	6.62	61.64	-1,684.79	4,155.80	4,471.24	4,459.49	11.75	380.469		
1,600.00	1,597.47	1,617.50	1,587.09	5.53	7.10	62.22	-1,705.42	4,146.16	4,462.63	4,450.03	12.60	354.049		
1,700.00	1,695.62	1,686.00	1,653.05	5.93	7.49	62.77	-1,722.29	4,138.66	4,453.22	4,439.84	13.38	332.780		
1,800.00	1,793.06	1,799.15	1,762.19	6.35	8.13	63.62	-1,749.55	4,126.48	4,442.66	4,428.23	14.43	307.885		
1,900.00	1,889.64	1,908.69	1,868.03	6.79	8.74	64.52	-1,775.08	4,114.47	4,430.59	4,415.11	15.47	286.357		
2,000.00	1,985.27	2,034.44	1,989.80	7.27	9.44	65.59	-1,803.01	4,100.13	4,416.76	4,400.14	16.63	265.630		
2,100.00	2,079.82	2,216.51	2,166.31	7.79	10.44	67.14	-1,841.12	4,076.90	4,400.37	4,382.25	18.11	242.933		
2,200.00	2,173.17	2,296.23	2,243.71	8.36	10.87	68.05	-1,857.04	4,066.38	4,382.83	4,363.75	19.08	229.692		
2,300.00	2,265.21	2,365.23	2,310.70	8.97	11.25	68.91	-1,870.87	4,057.31	4,364.78	4,344.74	20.04	217.837		
2,400.00	2,355.84	2,417.12	2,361.11	9.64	11.53	69.68	-1,881.29	4,050.78	4,346.66	4,325.71	20.95	207.470		
2,500.00	2,444.94	2,474.20	2,416.60	10.36	11.84	70.50	-1,892.79	4,043.95	4,328.63	4,306.68	21.95	197.230		
2,591.69	2,525.19	2,529.90	2,470.71	11.07	12.14	71.31	-1,904.22	4,037.38	4,312.13	4,289.19	22.93	188.055		
2,600.00	2,532.40	2,535.00	2,475.67	11.14	12.17	71.36	-1,905.27	4,036.78	4,310.64	4,287.62	23.02	187.239		
2,700.00	2,619.15	2,656.81	2,593.97	11.96	12.83	72.46	-1,930.03	4,021.64	4,292.57	4,268.10	24.47	175.407		
2,800.00	2,705.89	2,710.05	2,645.73	12.81	13.11	72.94	-1,940.67	4,015.08	4,275.57	4,250.00	25.58	167.157		
2,900.00	2,792.64	2,763.48	2,697.72	13.67	13.40	73.43	-1,951.25	4,008.85	4,259.93	4,233.23	26.70	159.530		
3,000.00	2,879.39	2,819.00	2,751.84	14.55	13.69	73.93	-1,962.08	4,002.80	4,245.65	4,217.80	27.86	152.414		
3,100.00	2,966.14	2,900.44	2,831.30	15.44	14.11	74.66	-1,977.72	3,994.22	4,232.49	4,203.33	29.16	145.164		
3,200.00	3,052.88	2,984.27	2,913.12	16.34	14.55	75.41	-1,993.63	3,985.30	4,220.18	4,189.69	30.48	138.439		
3,300.00	3,139.63	3,053.66	2,980.82	17.25	14.92	76.04	-2,006.88	3,977.77	4,208.81	4,177.06	31.75	132.557		
3,400.00	3,226.38	3,115.42	3,040.90	18.17	15.25	76.61	-2,019.35	3,970.76	4,198.66	4,165.67	32.99	127.269		
3,500.00	3,313.12	3,172.87	3,096.67	19.09	15.56	77.14	-2,031.42	3,964.13	4,189.84	4,155.62	34.22	122.435		
3,600.00	3,399.87	3,228.77	3,150.90	20.02	15.86	77.67	-2,043.41	3,957.76	4,182.40	4,146.95	35.45	117.996		
3,700.00	3,486.62	3,284.95	3,205.53	20.96	16.17	78.19	-2,055.15	3,951.92	4,176.36	4,139.69	36.67	113.884		
3,800.00	3,573.37	3,340.43	3,259.59	21.90	16.46	78.69	-2,066.50	3,946.67	4,171.71	4,133.82	37.89	110.107		
3,900.00	3,660.11	3,410.93	3,328.31	22.84	16.83	79.34	-2,080.89	3,940.40	4,168.42	4,129.23	39.19	106.366		
4,000.00	3,746.86	3,510.61	3,425.35	23.78	17.36	80.26	-2,101.56	3,930.73	4,165.92	4,125.26	40.66	102.457		
4,100.00	3,833.61	3,619.26	3,530.95	24.73	17.94	81.27	-2,124.26	3,919.05	4,164.02	4,121.84	42.18	98.726		
4,200.00	3,920.35	3,744.72	3,653.37	25.68	18.60	82.42	-2,148.28	3,905.79	4,162.40	4,118.62	43.78	95.073		
4,300.00	4,007.10	3,828.25	3,735.23	26.63	19.00	83.17	-2,162.74	3,897.60	4,161.25	4,116.13	45.12	92.226		
4,375.83	4,072.88	3,890.32	3,796.25	27.36	19.30	83.71	-2,172.71	3,892.22	4,161.00	4,114.88	46.12	90.214		
4,400.00	4,093.85	3,910.42	3,816.06	27.59	19.40	83.89	-2,175.80	3,890.61	4,161.03	4,114.58	46.44	89.591		
4,500.00	4,180.60	4,079.37	3,983.16	28.55	20.12	85.31	-2,197.72	3,879.06	4,161.17	4,113.05	48.12	86.481		
4,600.00	4,267.34	4,230.43	4,133.49	29.50	20.69	86.51	-2,210.21	3,871.44	4,160.11	4,110.49	49.62	83.842		
4,700.00	4,354.09	4,354.86	4,257.71	30.46	21.10	87.44	-2,216.26	3,867.55	4,158.85	4,107.88	50.97	81.595		
4,800.00	4,440.84	4,466.02	4,368.80	31.42	21.43	88.25	-2,219.47	3,865.28	4,157.65	4,105.42	52.23	79.601		
4,900.00	4,527.58	4,579.36	4,482.12	32.39	21.76	89.05	-2,220.99	3,863.87	4,156.54	4,103.05	53.50	77.696		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
5,000.00	4,614.33	4,698.48	4,601.23	33.35	22.08	89.88	-2,221.04	3,862.90	4,155.44	4,100.69	54.75	75.895		
5,100.00	4,701.08	4,809.88	4,712.62	34.31	22.36	90.64	-2,220.16	3,861.89	4,154.34	4,098.37	55.97	74.229		
5,200.00	4,787.82	4,902.05	4,804.78	35.28	22.58	91.28	-2,219.12	3,860.97	4,153.56	4,096.43	57.13	72.703		
5,300.00	4,874.57	4,996.51	4,899.23	36.25	22.82	91.93	-2,217.98	3,859.72	4,153.15	4,094.84	58.30	71.233		
5,314.96	4,887.55	5,006.98	4,909.70	36.39	22.85	92.00	-2,217.87	3,859.57	4,153.14	4,094.66	58.47	71.027		
5,400.00	4,961.32	5,066.46	4,969.17	37.21	23.01	92.41	-2,217.33	3,858.74	4,153.48	4,094.05	59.43	69.890		
5,500.00	5,048.07	5,136.25	5,038.96	38.18	23.20	92.90	-2,216.97	3,857.82	4,154.77	4,094.22	60.55	68.619		
5,600.00	5,134.81	5,205.89	5,108.59	39.15	23.39	93.38	-2,216.92	3,856.97	4,157.01	4,095.35	61.66	67.416		
5,700.00	5,221.56	5,276.75	5,179.45	40.12	23.59	93.88	-2,217.17	3,856.16	4,160.21	4,097.44	62.78	66.271		
5,800.00	5,308.31	5,356.46	5,259.14	41.09	23.82	94.43	-2,217.64	3,855.31	4,164.24	4,100.33	63.92	65.150		
5,900.00	5,395.05	5,443.17	5,345.84	42.06	24.07	95.04	-2,218.22	3,854.42	4,168.95	4,103.88	65.08	64.063		
6,000.00	5,481.80	5,552.28	5,454.95	43.03	24.39	95.80	-2,218.67	3,853.20	4,174.06	4,107.77	66.29	62.965		
6,100.00	5,568.55	5,645.07	5,547.73	44.00	24.66	96.44	-2,218.70	3,852.07	4,179.45	4,112.00	67.45	61.960		
6,200.00	5,655.30	5,738.28	5,640.93	44.97	24.92	97.08	-2,218.54	3,850.95	4,185.30	4,116.69	68.61	61.002		
6,300.00	5,742.04	5,805.96	5,708.62	45.94	25.12	97.55	-2,218.54	3,850.11	4,191.86	4,122.17	69.69	60.149		
6,400.00	5,828.79	5,942.53	5,845.16	46.92	25.52	98.49	-2,218.29	3,848.23	4,198.90	4,127.94	70.96	59.174		
6,500.00	5,915.54	6,035.17	5,937.79	47.89	25.77	99.12	-2,217.27	3,846.85	4,205.71	4,133.62	72.09	58.341		
6,600.00	6,002.28	6,109.17	6,011.78	48.86	25.98	99.62	-2,216.52	3,845.81	4,213.22	4,140.05	73.16	57.586		
6,700.00	6,089.03	6,197.20	6,099.80	49.83	26.23	100.22	-2,215.71	3,844.70	4,221.43	4,147.16	74.27	56.838		
6,800.00	6,175.78	6,289.12	6,191.71	50.81	26.49	100.84	-2,214.81	3,843.43	4,230.14	4,154.76	75.38	56.114		
6,900.00	6,262.53	6,371.75	6,274.32	51.78	26.73	101.39	-2,214.11	3,842.01	4,239.40	4,162.93	76.47	55.440		
7,000.00	6,349.27	6,456.16	6,358.71	52.76	26.97	101.97	-2,213.54	3,840.47	4,249.32	4,171.76	77.55	54.793		
7,100.00	6,436.02	6,531.23	6,433.77	53.73	27.20	102.47	-2,213.12	3,839.02	4,259.88	4,181.28	78.60	54.194		
7,200.00	6,522.77	6,598.68	6,501.21	54.71	27.40	102.93	-2,212.95	3,837.97	4,271.39	4,191.77	79.62	53.645		
7,300.00	6,609.51	6,679.67	6,582.20	55.68	27.64	103.47	-2,212.86	3,836.99	4,283.70	4,203.02	80.68	53.096		
7,400.00	6,696.26	6,751.25	6,653.77	56.66	27.86	103.94	-2,212.89	3,836.26	4,296.76	4,215.06	81.70	52.595		
7,500.00	6,783.01	6,827.06	6,729.58	57.63	28.10	104.44	-2,213.20	3,835.49	4,310.64	4,227.92	82.72	52.112		
7,600.00	6,869.76	6,906.00	6,808.51	58.61	28.35	104.96	-2,213.73	3,834.55	4,325.24	4,241.50	83.75	51.647		
7,683.49	6,942.18	6,972.38	6,874.88	59.42	28.56	105.40	-2,214.32	3,833.63	4,337.95	4,253.35	84.60	51.276		
7,700.00	6,956.57	6,985.99	6,888.49	59.58	28.61	103.14	-2,214.46	3,833.43	4,340.30	4,255.53	84.77	51.201		
7,750.00	7,000.85	7,027.84	6,930.33	60.04	28.74	95.18	-2,214.93	3,832.71	4,344.79	4,259.52	85.27	50.951		
7,800.00	7,045.94	7,072.26	6,974.73	60.46	28.88	85.64	-2,215.50	3,831.84	4,345.32	4,259.54	85.77	50.662		
7,850.00	7,091.49	7,124.85	7,027.31	60.84	29.06	74.94	-2,216.18	3,830.62	4,341.78	4,255.51	86.28	50.325		
7,900.00	7,137.15	7,172.50	7,074.94	61.17	29.21	63.76	-2,216.77	3,829.37	4,334.17	4,247.44	86.73	49.970		
7,950.00	7,182.58	7,212.74	7,115.15	61.44	29.35	53.00	-2,217.32	3,828.25	4,322.63	4,235.49	87.14	49.606		
8,000.00	7,227.43	7,252.62	7,155.02	61.67	29.48	43.32	-2,217.93	3,827.10	4,307.23	4,219.72	87.51	49.220		
8,050.00	7,271.36	7,293.54	7,195.91	61.84	29.62	34.97	-2,218.60	3,825.88	4,288.07	4,200.22	87.85	48.810		
8,100.00	7,314.04	7,333.35	7,235.70	61.96	29.75	27.86	-2,219.29	3,824.65	4,265.26	4,177.10	88.16	48.381		
8,150.00	7,355.14	7,371.77	7,274.09	62.04	29.88	21.75	-2,220.00	3,823.42	4,238.95	4,150.52	88.43	47.934		
8,200.00	7,394.34	7,408.50	7,310.80	62.07	30.00	16.37	-2,220.71	3,822.21	4,209.33	4,120.66	88.67	47.473		
8,250.00	7,431.36	7,588.01	7,490.21	62.06	30.57	11.88	-2,220.62	3,817.36	4,175.94	4,086.61	89.33	46.747		
8,300.00	7,465.90	7,640.91	7,543.10	62.01	30.72	7.02	-2,219.21	3,816.84	4,139.07	4,049.52	89.54	46.224		
8,350.00	7,497.71	7,661.70	7,563.88	61.93	30.78	1.92	-2,218.64	3,816.68	4,099.66	4,010.02	89.64	45.736		
8,400.00	7,526.53	7,685.72	7,587.89	61.81	30.85	-3.69	-2,217.99	3,816.51	4,058.04	3,968.32	89.71	45.233		
8,450.00	7,552.17	7,706.99	7,609.15	61.66	30.91	-10.28	-2,217.44	3,816.36	4,014.52	3,924.76	89.76	44.725		
8,500.00	7,574.41	7,725.62	7,627.77	61.48	30.96	-18.45	-2,216.96	3,816.23	3,969.44	3,879.67	89.77	44.216		
8,550.00	7,593.09	7,741.90	7,644.05	61.29	31.00	-28.93	-2,216.55	3,816.14	3,923.13	3,833.37	89.76	43.707		
8,600.00	7,608.07	7,754.71	7,656.85	61.07	31.04	-42.35	-2,216.22	3,816.08	3,875.95	3,786.23	89.72	43.202		
8,650.00	7,619.23	7,763.94	7,666.08	60.84	31.06	-58.42	-2,215.98	3,816.05	3,828.27	3,738.63	89.65	42.705		
8,700.00	7,626.48	7,769.51	7,671.65	60.60	31.08	-75.19	-2,215.84	3,816.03	3,780.48	3,690.93	89.55	42.217		
8,750.00	7,629.78	7,771.39	7,673.52	60.35	31.08	-90.06	-2,215.79	3,816.03	3,732.94	3,643.52	89.43	41.742		
8,766.45	7,630.00	7,771.19	7,673.33	60.27	31.08	-94.24	-2,215.80	3,816.03	3,717.43	3,628.05	89.38	41.590		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
8,800.00	7,630.00	7,770.39	7,672.52	60.10	31.08	-94.21	-2,215.82	3,816.03	3,685.89	3,596.60	89.29	41.280		
8,900.00	7,630.00	7,767.99	7,670.13	59.61	31.08	-94.10	-2,215.88	3,816.04	3,592.09	3,503.09	89.00	40.360		
9,000.00	7,630.00	7,765.60	7,667.74	59.15	31.07	-93.99	-2,215.94	3,816.04	3,498.63	3,409.93	88.70	39.444		
9,100.00	7,630.00	7,763.22	7,665.36	58.71	31.06	-93.88	-2,216.00	3,816.05	3,405.54	3,317.15	88.38	38.532		
9,200.00	7,630.00	7,760.84	7,662.98	58.30	31.06	-93.77	-2,216.06	3,816.06	3,312.85	3,224.80	88.05	37.624		
9,300.00	7,630.00	7,758.46	7,660.60	57.91	31.05	-93.67	-2,216.13	3,816.07	3,220.59	3,132.89	87.70	36.721		
9,400.00	7,630.00	7,756.08	7,658.23	57.54	31.04	-93.56	-2,216.19	3,816.08	3,128.81	3,041.47	87.34	35.824		
9,500.00	7,630.00	7,753.72	7,655.86	57.19	31.04	-93.45	-2,216.25	3,816.09	3,037.55	2,950.59	86.96	34.932		
9,600.00	7,630.00	7,751.35	7,653.49	56.87	31.03	-93.34	-2,216.31	3,816.10	2,946.85	2,860.30	86.55	34.046		
9,700.00	7,630.00	7,748.99	7,651.13	56.57	31.02	-93.24	-2,216.37	3,816.11	2,856.77	2,770.64	86.13	33.167		
9,800.00	7,630.00	7,746.63	7,648.78	56.30	31.02	-93.13	-2,216.43	3,816.12	2,767.37	2,681.68	85.69	32.295		
9,900.00	7,630.00	7,744.28	7,646.43	56.05	31.01	-93.02	-2,216.49	3,816.13	2,678.72	2,593.49	85.23	31.430		
10,000.00	7,630.00	7,741.93	7,644.08	55.82	31.00	-92.92	-2,216.55	3,816.14	2,590.89	2,506.15	84.74	30.573		
10,100.00	7,630.00	7,739.59	7,641.73	55.63	31.00	-92.81	-2,216.61	3,816.15	2,503.97	2,419.74	84.24	29.725		
10,200.00	7,630.00	7,737.24	7,639.39	55.46	30.99	-92.70	-2,216.67	3,816.16	2,418.07	2,334.35	83.71	28.885		
10,300.00	7,630.00	7,734.91	7,637.06	55.32	30.98	-92.60	-2,216.73	3,816.18	2,333.28	2,250.11	83.17	28.054		
10,400.00	7,630.00	7,732.58	7,634.73	55.22	30.98	-92.49	-2,216.79	3,816.19	2,249.74	2,167.13	82.61	27.233		
10,500.00	7,630.00	7,730.25	7,632.40	55.15	30.97	-92.39	-2,216.84	3,816.20	2,167.59	2,085.55	82.04	26.421		
10,600.00	7,630.00	7,727.92	7,630.07	55.14	30.96	-92.28	-2,216.90	3,816.22	2,087.00	2,005.53	81.46	25.619		
10,700.00	7,630.00	7,725.71	7,627.86	55.18	30.96	-92.18	-2,216.96	3,816.23	2,008.14	1,927.25	80.89	24.825		
10,800.00	7,630.00	7,723.35	7,625.50	55.28	30.95	-92.07	-2,217.02	3,816.25	1,931.25	1,850.92	80.34	24.040		
10,900.00	7,630.00	7,720.97	7,623.12	55.47	30.94	-91.96	-2,217.08	3,816.26	1,856.56	1,776.74	79.81	23.261		
11,000.00	7,630.00	7,718.58	7,620.73	55.74	30.94	-91.85	-2,217.14	3,816.28	1,784.34	1,704.99	79.35	22.488		
11,100.00	7,630.00	7,716.17	7,618.32	56.11	30.93	-91.74	-2,217.20	3,816.30	1,714.91	1,635.94	78.97	21.717		
11,200.00	7,630.00	7,713.74	7,615.90	56.60	30.92	-91.63	-2,217.26	3,816.31	1,648.62	1,569.92	78.70	20.947		
11,300.00	7,630.00	7,711.30	7,613.46	57.20	30.92	-91.52	-2,217.33	3,816.33	1,585.87	1,507.26	78.60	20.175		
11,400.00	7,630.00	7,708.84	7,611.00	57.91	30.91	-91.41	-2,217.39	3,816.35	1,527.08	1,448.37	78.71	19.400		
11,500.00	7,630.00	7,706.36	7,608.52	58.72	30.90	-91.30	-2,217.45	3,816.36	1,472.75	1,393.66	79.08	18.623		
11,600.00	7,630.00	7,703.86	7,606.02	59.63	30.90	-91.18	-2,217.52	3,816.38	1,423.37	1,343.61	79.75	17.847		
11,700.00	7,630.00	7,701.35	7,603.51	60.61	30.89	-91.07	-2,217.58	3,816.40	1,379.47	1,298.71	80.76	17.081		
11,800.00	7,630.00	7,698.82	7,600.98	61.67	30.88	-90.96	-2,217.65	3,816.41	1,341.61	1,259.49	82.11	16.338		
11,900.00	7,630.00	7,696.26	7,598.43	62.78	30.88	-90.84	-2,217.72	3,816.43	1,310.29	1,226.48	83.81	15.635		
12,000.00	7,630.00	7,693.70	7,595.86	63.95	30.87	-90.72	-2,217.78	3,816.45	1,286.00	1,200.20	85.80	14.989		
12,100.00	7,630.00	7,691.11	7,593.27	65.16	30.86	-90.60	-2,217.85	3,816.47	1,269.14	1,181.12	88.02	14.419		
12,200.00	7,630.00	7,688.50	7,590.67	66.41	30.85	-90.49	-2,217.92	3,816.49	1,260.00	1,169.62	90.38	13.941		
12,265.55	7,630.00	7,686.78	7,588.95	67.24	30.85	-90.41	-2,217.97	3,816.50	1,258.30	1,166.33	91.97	13.682 CC		
12,300.00	7,630.00	7,685.88	7,588.04	67.68	30.85	-90.37	-2,217.99	3,816.50	1,258.77	1,165.98	92.79	13.565 ES		
12,400.00	7,630.00	7,683.23	7,585.40	68.99	30.84	-90.25	-2,218.06	3,816.52	1,265.46	1,170.30	95.16	13.298		
12,500.00	7,630.00	7,680.57	7,582.73	70.33	30.83	-90.12	-2,218.13	3,816.54	1,279.94	1,182.54	97.40	13.141		
12,600.00	7,630.00	7,677.88	7,580.05	71.68	30.82	-90.00	-2,218.20	3,816.56	1,301.96	1,202.50	99.46	13.091 SF		
12,700.00	7,630.00	7,675.18	7,577.35	73.06	30.82	-89.88	-2,218.28	3,816.58	1,331.14	1,229.85	101.28	13.143		
12,800.00	7,630.00	7,672.45	7,574.62	74.45	30.81	-89.76	-2,218.35	3,816.60	1,367.02	1,264.15	102.87	13.289		
12,900.00	7,630.00	7,669.71	7,571.88	75.87	30.80	-89.63	-2,218.42	3,816.62	1,409.10	1,304.89	104.21	13.522		
13,000.00	7,630.00	7,666.94	7,569.12	77.29	30.79	-89.50	-2,218.50	3,816.64	1,456.83	1,351.51	105.32	13.833		
13,100.00	7,630.00	7,664.16	7,566.33	78.74	30.79	-89.38	-2,218.58	3,816.66	1,509.68	1,403.46	106.21	14.214		
13,200.00	7,630.00	7,661.35	7,563.52	80.19	30.78	-89.25	-2,218.65	3,816.68	1,567.13	1,460.20	106.92	14.656		
13,300.00	7,630.00	7,658.52	7,560.70	81.66	30.77	-89.12	-2,218.73	3,816.70	1,628.69	1,521.22	107.47	15.154		
13,400.00	7,630.00	7,655.67	7,557.85	83.14	30.76	-88.99	-2,218.81	3,816.72	1,693.92	1,586.03	107.89	15.701		
13,500.00	7,630.00	7,652.80	7,554.98	84.63	30.75	-88.86	-2,218.89	3,816.74	1,762.41	1,654.22	108.19	16.290		
13,600.00	7,630.00	7,649.90	7,552.08	86.14	30.75	-88.73	-2,218.97	3,816.76	1,833.79	1,725.39	108.39	16.918		
13,700.00	7,630.00	7,646.98	7,549.17	87.65	30.74	-88.60	-2,219.05	3,816.78	1,907.73	1,799.21	108.52	17.579		
13,800.00	7,630.00	7,644.05	7,546.23	89.17	30.73	-88.46	-2,219.13	3,816.80	1,983.96	1,875.37	108.59	18.270		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
13,900.00	7,630.00	7,641.08	7,543.27	90.70	30.72	-88.33	-2,219.22	3,816.83	2,062.22	1,953.61	108.61	18.987		
14,000.00	7,630.00	7,638.10	7,540.28	92.24	30.71	-88.19	-2,219.30	3,816.85	2,142.29	2,033.70	108.59	19.728		
14,100.00	7,630.00	7,635.09	7,537.28	93.78	30.70	-88.06	-2,219.39	3,816.87	2,223.96	2,115.42	108.54	20.489		
14,200.00	7,630.00	7,632.06	7,534.24	95.33	30.70	-87.92	-2,219.47	3,816.89	2,307.08	2,198.61	108.47	21.269		
14,300.00	7,630.00	7,629.00	7,531.19	96.89	30.69	-87.78	-2,219.56	3,816.92	2,391.48	2,283.10	108.38	22.066		
14,400.00	7,630.00	7,628.00	7,530.19	98.46	30.68	-87.73	-2,219.59	3,816.92	2,477.05	2,368.78	108.27	22.879		
14,500.00	7,630.00	7,628.00	7,530.19	100.03	30.68	-87.73	-2,219.59	3,816.92	2,563.65	2,455.51	108.15	23.705		
14,600.00	7,630.00	7,628.00	7,530.19	101.61	30.68	-87.73	-2,219.59	3,816.92	2,651.20	2,543.18	108.02	24.544		
14,700.00	7,630.00	7,628.00	7,530.19	103.20	30.68	-87.73	-2,219.59	3,816.92	2,739.61	2,631.72	107.89	25.393		
14,800.00	7,630.00	7,628.00	7,530.19	104.78	30.68	-87.73	-2,219.59	3,816.92	2,828.78	2,721.03	107.75	26.252		
14,900.00	7,630.00	7,628.00	7,530.19	106.38	30.68	-87.73	-2,219.59	3,816.92	2,918.66	2,811.04	107.62	27.120		
15,000.00	7,630.00	7,628.00	7,530.19	107.98	30.68	-87.73	-2,219.59	3,816.92	3,009.18	2,901.69	107.49	27.996		
15,100.00	7,630.00	7,614.67	7,516.87	109.58	30.65	-87.13	-2,219.96	3,817.04	3,100.23	2,992.86	107.37	28.874		
15,200.00	7,630.00	7,613.08	7,515.27	111.19	30.64	-87.06	-2,220.00	3,817.05	3,191.85	3,084.61	107.24	29.763		
15,300.00	7,630.00	7,611.51	7,513.70	112.81	30.64	-86.99	-2,220.04	3,817.07	3,283.96	3,176.85	107.11	30.659		
15,400.00	7,630.00	7,609.96	7,512.16	114.42	30.63	-86.92	-2,220.08	3,817.09	3,376.52	3,269.53	106.99	31.560		
15,500.00	7,630.00	7,608.45	7,510.65	116.05	30.63	-86.85	-2,220.12	3,817.10	3,469.48	3,362.62	106.87	32.466		
15,600.00	7,630.00	7,606.96	7,509.16	117.67	30.62	-86.78	-2,220.16	3,817.12	3,562.83	3,456.09	106.75	33.376		
15,700.00	7,630.00	7,605.50	7,507.70	119.30	30.62	-86.71	-2,220.20	3,817.13	3,656.53	3,549.90	106.63	34.291		
15,800.00	7,630.00	7,604.07	7,506.27	120.93	30.62	-86.65	-2,220.23	3,817.15	3,750.56	3,644.04	106.52	35.210		
15,900.00	7,630.00	7,602.66	7,504.86	122.57	30.61	-86.58	-2,220.27	3,817.17	3,844.88	3,738.47	106.41	36.133		
16,000.00	7,630.00	7,601.27	7,503.47	124.21	30.61	-86.52	-2,220.30	3,817.18	3,939.48	3,833.18	106.30	37.058		
16,100.00	7,630.00	7,599.90	7,502.11	125.85	30.60	-86.46	-2,220.34	3,817.20	4,034.35	3,928.14	106.20	37.987		
16,200.00	7,630.00	7,598.56	7,500.77	127.50	30.60	-86.40	-2,220.37	3,817.22	4,129.45	4,023.34	106.11	38.918		
16,300.00	7,630.00	7,597.25	7,499.45	129.15	30.60	-86.34	-2,220.40	3,817.23	4,224.78	4,118.77	106.01	39.852		
16,400.00	7,630.00	7,595.95	7,498.15	130.80	30.59	-86.28	-2,220.43	3,817.25	4,320.32	4,214.40	105.92	40.789		
16,500.00	7,630.00	7,594.67	7,496.88	132.46	30.59	-86.22	-2,220.46	3,817.27	4,416.06	4,310.22	105.83	41.727		
16,600.00	7,630.00	7,593.42	7,495.62	134.11	30.58	-86.17	-2,220.49	3,817.29	4,511.98	4,406.23	105.75	42.667		
16,700.00	7,630.00	7,592.18	7,494.39	135.77	30.58	-86.11	-2,220.52	3,817.30	4,608.07	4,502.41	105.67	43.609		
16,800.00	7,630.00	7,590.97	7,493.17	137.43	30.58	-86.06	-2,220.55	3,817.32	4,704.33	4,598.74	105.59	44.553		
16,900.00	7,630.00	7,589.77	7,491.98	139.10	30.57	-86.00	-2,220.58	3,817.34	4,800.74	4,695.22	105.51	45.498		
17,000.00	7,630.00	7,588.60	7,490.80	140.77	30.57	-85.95	-2,220.60	3,817.35	4,897.29	4,791.85	105.44	46.445		
17,100.00	7,630.00	7,587.44	7,489.65	142.44	30.57	-85.90	-2,220.63	3,817.37	4,993.98	4,888.60	105.37	47.393		
17,200.00	7,630.00	7,586.30	7,488.51	144.11	30.56	-85.84	-2,220.66	3,817.39	5,090.79	4,985.48	105.31	48.342		
17,300.00	7,630.00	7,585.18	7,487.38	145.78	30.56	-85.79	-2,220.68	3,817.40	5,187.73	5,082.48	105.25	49.292		
17,400.00	7,630.00	7,584.07	7,486.28	147.46	30.56	-85.74	-2,220.70	3,817.42	5,284.78	5,179.59	105.18	50.243		
17,500.00	7,630.00	7,582.98	7,485.19	149.13	30.55	-85.69	-2,220.73	3,817.44	5,381.93	5,276.80	105.13	51.194		
17,600.00	7,630.00	7,581.91	7,484.12	150.81	30.55	-85.65	-2,220.75	3,817.45	5,479.19	5,374.12	105.07	52.147		
17,700.00	7,630.00	7,580.85	7,483.06	152.49	30.55	-85.60	-2,220.77	3,817.47	5,576.55	5,471.53	105.02	53.100		
17,800.00	7,630.00	7,579.81	7,482.02	154.18	30.54	-85.55	-2,220.80	3,817.49	5,673.99	5,569.02	104.97	54.054		
17,900.00	7,630.00	7,578.78	7,480.99	155.86	30.54	-85.50	-2,220.82	3,817.50	5,771.53	5,666.60	104.92	55.008		
18,000.00	7,630.00	7,577.77	7,479.98	157.55	30.54	-85.46	-2,220.84	3,817.52	5,869.14	5,764.27	104.88	55.963		
18,100.00	7,630.00	7,576.78	7,478.99	159.24	30.54	-85.41	-2,220.86	3,817.53	5,966.84	5,862.00	104.83	56.918		
18,200.00	7,630.00	7,575.80	7,478.01	160.92	30.53	-85.37	-2,220.88	3,817.55	6,064.61	5,959.81	104.79	57.873		
18,300.00	7,630.00	7,574.83	7,477.04	162.62	30.53	-85.33	-2,220.90	3,817.57	6,162.45	6,057.69	104.75	58.828		
18,400.00	7,630.00	7,573.87	7,476.08	164.31	30.53	-85.28	-2,220.92	3,817.58	6,260.36	6,155.64	104.72	59.784		
18,458.39	7,630.00	7,573.32	7,475.53	165.30	30.53	-85.26	-2,220.93	3,817.59	6,317.56	6,212.86	104.70	60.342		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	123.68	-3,056.32	4,586.45	5,511.70					
100.00	100.00	48.12	48.12	0.13	0.08	123.68	-3,056.40	4,586.42	5,511.52	5,511.31	0.21	N/A		
200.00	200.00	148.95	148.95	0.49	0.35	123.69	-3,056.99	4,586.18	5,511.64	5,510.80	0.84	6,540.856		
300.00	300.00	207.33	207.33	0.85	0.56	123.69	-3,057.36	4,586.09	5,511.96	5,510.55	1.41	3,912.182		
400.00	400.00	245.43	245.42	1.21	0.69	123.69	-3,057.70	4,586.50	5,513.35	5,511.45	1.90	2,898.246		
500.00	500.00	273.00	272.98	1.57	0.79	123.69	-3,058.01	4,587.07	5,515.89	5,513.53	2.36	2,338.931		
600.00	600.00	315.66	315.61	1.93	0.94	123.69	-3,058.55	4,588.52	5,519.57	5,516.70	2.87	1,925.587		
700.00	700.00	364.00	363.88	2.29	1.11	123.68	-3,059.22	4,591.08	5,524.53	5,521.14	3.39	1,628.496		
800.00	800.00	364.00	363.88	2.64	1.11	123.68	-3,059.22	4,591.08	5,530.67	5,526.92	3.75	1,474.695		
900.00	900.00	404.50	404.27	3.00	1.26	123.67	-3,059.93	4,594.05	5,538.03	5,533.78	4.25	1,302.739		
1,000.00	1,000.00	455.00	454.51	3.36	1.45	123.65	-3,061.13	4,598.94	5,547.00	5,542.22	4.78	1,159.399		
1,100.00	1,100.00	455.00	454.51	3.72	1.45	123.65	-3,061.13	4,598.94	5,556.88	5,551.75	5.14	1,081.703		
1,200.00	1,199.98	778.72	774.89	4.07	2.71	72.22	-3,055.29	4,634.76	5,563.53	5,556.85	6.68	832.285		
1,300.00	1,299.84	824.00	819.44	4.43	2.88	72.09	-3,054.98	4,642.61	5,572.35	5,565.15	7.20	773.977		
1,400.00	1,399.45	824.00	819.44	4.79	2.88	71.98	-3,054.98	4,642.61	5,578.35	5,570.80	7.55	738.891		
1,500.00	1,498.70	824.00	819.44	5.15	2.88	71.85	-3,054.98	4,642.61	5,585.07	5,577.16	7.90	706.571		
1,600.00	1,597.47	824.00	819.44	5.53	2.88	71.71	-3,054.98	4,642.61	5,592.48	5,584.21	8.27	676.389		
1,700.00	1,695.62	824.00	819.44	5.93	2.88	71.55	-3,054.98	4,642.61	5,600.57	5,591.93	8.65	647.826		
1,800.00	1,793.06	824.00	819.44	6.35	2.88	71.39	-3,054.98	4,642.61	5,609.34	5,600.30	9.04	620.471		
1,900.00	1,889.64	824.00	819.44	6.79	2.88	71.21	-3,054.98	4,642.61	5,618.77	5,609.31	9.46	594.016		
2,000.00	1,985.27	824.00	819.44	7.27	2.88	71.01	-3,054.98	4,642.61	5,628.84	5,618.93	9.91	568.246		
2,100.00	2,079.82	824.00	819.44	7.79	2.88	70.81	-3,054.98	4,642.61	5,639.53	5,629.15	10.39	543.031		
2,200.00	2,173.17	863.64	857.97	8.36	3.08	70.71	-3,057.13	4,651.65	5,650.45	5,639.39	11.06	510.775		
2,300.00	2,265.21	919.00	911.53	8.97	3.35	70.66	-3,060.02	4,665.36	5,661.52	5,649.66	11.86	477.536		
2,400.00	2,355.84	919.00	911.53	9.64	3.35	70.46	-3,060.02	4,665.36	5,672.42	5,659.96	12.46	455.296		
2,500.00	2,444.94	954.73	945.91	10.36	3.54	70.37	-3,061.95	4,674.86	5,683.50	5,670.23	13.27	428.180		
2,591.69	2,525.19	978.55	968.76	11.07	3.67	70.26	-3,063.38	4,681.48	5,693.82	5,679.79	14.03	405.966		
2,600.00	2,532.40	980.70	970.81	11.14	3.68	70.27	-3,063.52	4,682.09	5,694.76	5,680.67	14.10	404.026		
2,700.00	2,619.15	1,013.00	1,001.65	11.96	3.85	70.39	-3,065.64	4,691.45	5,706.86	5,691.88	14.98	380.957		
2,800.00	2,705.89	1,013.00	1,001.65	12.81	3.85	70.39	-3,065.64	4,691.45	5,720.35	5,704.61	15.74	363.495		
2,900.00	2,792.64	1,056.62	1,043.09	13.67	4.11	70.56	-3,068.98	4,704.66	5,734.94	5,718.22	16.72	343.078		
3,000.00	2,879.39	1,107.00	1,090.64	14.55	4.42	70.75	-3,073.58	4,720.66	5,751.16	5,733.42	17.74	324.146		
3,100.00	2,966.14	1,107.00	1,090.64	15.44	4.42	70.75	-3,073.58	4,720.66	5,768.26	5,749.73	18.53	311.348		
3,200.00	3,052.88	1,149.43	1,130.46	16.34	4.70	70.91	-3,077.75	4,734.72	5,786.72	5,767.18	19.54	296.200		
3,300.00	3,139.63	1,214.00	1,190.73	17.25	5.12	71.14	-3,083.84	4,757.06	5,806.21	5,785.54	20.67	280.891		
3,400.00	3,226.38	1,254.99	1,228.87	18.17	5.41	71.29	-3,087.67	4,771.58	5,826.45	5,804.75	21.69	268.595		
3,500.00	3,313.12	1,336.66	1,304.85	19.09	5.98	71.58	-3,095.69	4,800.43	5,847.26	5,824.31	22.95	254.810		
3,600.00	3,399.87	1,434.30	1,395.59	20.02	6.69	71.93	-3,104.73	4,835.32	5,868.25	5,843.94	24.31	241.358		
3,700.00	3,486.62	1,514.68	1,470.19	20.96	7.29	72.20	-3,111.62	4,864.45	5,889.42	5,863.83	25.60	230.098		
3,800.00	3,573.37	1,568.15	1,519.70	21.90	7.69	72.38	-3,116.27	4,884.09	5,911.24	5,884.52	26.72	221.190		
3,900.00	3,660.11	1,638.78	1,584.97	22.84	8.23	72.62	-3,122.65	4,910.35	5,933.76	5,905.79	27.97	212.174		
4,000.00	3,746.86	4,000.00	1,701.21	23.78	26.45	73.03	-3,133.70	4,956.98	5,956.23	5,915.14	41.10	144.938		
4,100.00	3,833.61	1,847.46	1,778.01	24.73	9.84	73.31	-3,140.71	4,987.53	5,978.53	5,947.63	30.91	193.447		
4,200.00	3,920.35	1,929.03	1,853.41	25.68	10.47	73.58	-3,148.06	5,017.75	6,001.49	5,969.25	32.24	186.140		
4,300.00	4,007.10	2,158.00	2,066.63	26.63	12.20	74.34	-3,167.87	5,098.77	6,022.59	5,988.06	34.53	174.431		
4,400.00	4,093.85	2,200.42	2,106.17	27.59	12.53	74.48	-3,171.26	5,113.77	6,044.10	6,008.47	35.63	169.643		
4,500.00	4,180.60	2,252.00	2,153.97	28.55	12.93	74.64	-3,175.56	5,132.66	6,066.72	6,029.93	36.79	164.910		
4,600.00	4,267.34	2,359.36	2,253.44	29.50	13.77	74.98	-3,184.61	5,172.04	6,089.78	6,051.45	38.33	158.884		
4,700.00	4,354.09	2,427.67	2,316.77	30.46	14.30	75.20	-3,190.32	5,196.99	6,112.81	6,073.20	39.61	154.328		
4,800.00	4,440.84	4,800.00	2,424.08	31.42	32.72	75.56	-3,199.99	5,239.00	6,135.83	6,082.48	53.35	115.011		
4,900.00	4,527.58	2,592.48	2,469.70	32.39	15.58	75.72	-3,204.21	5,256.81	6,159.22	6,116.85	42.37	145.360		
5,000.00	4,614.33	2,630.00	2,504.38	33.35	15.88	75.83	-3,207.54	5,270.76	6,183.58	6,140.14	43.44	142.337		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
5,100.00	4,701.08	2,695.34	2,564.57	34.31	16.41	76.03	-3,213.43	5,295.50	6,208.67	6,163.96	44.72	138.844		
5,200.00	4,787.82	2,768.92	2,632.16	35.28	17.01	76.25	-3,220.09	5,323.79	6,234.34	6,188.28	46.05	135.371		
5,300.00	4,874.57	5,300.00	2,742.01	36.25	37.63	76.61	-3,230.94	5,369.43	6,260.01	6,198.70	61.31	102.107		
5,400.00	4,961.32	2,982.75	2,829.00	37.21	18.75	76.89	-3,239.48	5,405.05	6,285.46	6,236.23	49.23	127.675		
5,500.00	5,048.07	3,051.93	2,892.70	38.18	19.31	77.10	-3,245.99	5,431.23	6,311.38	6,260.84	50.54	124.871		
5,600.00	5,134.81	3,117.67	2,953.11	39.15	19.86	77.29	-3,252.13	5,456.42	6,337.76	6,285.93	51.83	122.273		
5,700.00	5,221.56	3,169.36	3,000.46	40.12	20.29	77.44	-3,256.98	5,476.59	6,364.79	6,311.77	53.02	120.050		
5,800.00	5,308.31	3,328.30	3,145.98	41.09	21.62	77.89	-3,271.02	5,538.92	6,391.70	6,336.65	55.05	116.112		
5,900.00	5,395.05	3,397.30	3,209.32	42.06	22.19	78.08	-3,277.32	5,565.58	6,418.54	6,362.16	56.37	113.856		
6,000.00	5,481.80	3,537.17	3,338.15	43.03	23.33	78.49	-3,290.55	5,618.41	6,445.09	6,386.84	58.25	110.646		
6,100.00	5,568.55	3,574.00	3,372.06	44.00	23.63	78.59	-3,293.84	5,632.38	6,471.85	6,412.53	59.32	109.095		
6,200.00	5,655.30	3,624.00	3,417.93	44.97	24.06	78.73	-3,298.40	5,651.75	6,499.37	6,438.86	60.50	107.422		
6,300.00	5,742.04	6,300.00	3,494.47	45.94	46.86	78.96	-3,306.46	5,685.16	6,527.87	6,450.33	77.54	84.187		
6,400.00	5,828.79	3,877.30	3,649.92	46.92	26.18	79.42	-3,322.34	5,750.55	6,555.38	6,491.27	64.11	102.254		
6,500.00	5,915.54	3,990.44	3,754.30	47.89	27.10	79.75	-3,333.57	5,792.73	6,582.67	6,516.88	65.79	100.052		
6,600.00	6,002.28	4,114.71	3,868.87	48.86	28.10	80.09	-3,344.83	5,839.51	6,609.73	6,542.16	67.57	97.816		
6,700.00	6,089.03	4,255.93	3,999.47	49.83	29.24	80.47	-3,356.99	5,891.86	6,636.16	6,566.67	69.49	95.496		
6,800.00	6,175.78	6,499.20	6,175.16	50.81	39.95	88.25	-3,455.21	6,305.55	6,655.43	6,574.32	81.11	82.055		
6,900.00	6,262.53	6,593.56	6,269.52	51.78	40.12	88.65	-3,454.58	6,305.20	6,653.01	6,570.59	82.43	80.715		
7,000.00	6,349.27	6,681.92	6,357.87	52.76	40.29	89.03	-3,453.86	6,304.91	6,650.90	6,567.17	83.73	79.430		
7,100.00	6,436.02	6,754.19	6,430.14	53.73	40.43	89.34	-3,453.25	6,304.80	6,649.24	6,564.22	85.02	78.212		
7,200.00	6,522.77	6,816.19	6,492.14	54.71	40.55	89.60	-3,452.66	6,305.06	6,648.18	6,561.90	86.28	77.052		
7,300.00	6,609.51	6,881.00	6,556.94	55.68	40.69	89.87	-3,452.04	6,305.85	6,647.90	6,560.35	87.55	75.930		
7,302.15	6,611.38	6,881.00	6,556.94	55.70	40.69	89.87	-3,452.04	6,305.85	6,647.90	6,560.33	87.58	75.909		
7,400.00	6,696.26	6,942.43	6,618.35	56.66	40.83	90.12	-3,451.44	6,306.99	6,648.29	6,559.47	88.82	74.852		
7,500.00	6,783.01	7,059.24	6,735.13	57.63	41.09	90.61	-3,450.11	6,309.31	6,649.06	6,558.85	90.20	73.713		
7,600.00	6,869.76	7,183.56	6,859.42	58.61	41.37	91.12	-3,448.14	6,311.17	6,649.54	6,557.95	91.59	72.599		
7,683.49	6,942.18	7,252.98	6,928.82	59.42	41.52	91.41	-3,446.96	6,312.10	6,650.08	6,557.40	92.68	71.752		
7,700.00	6,956.57	7,272.55	6,948.39	59.58	41.56	89.05	-3,446.64	6,312.35	6,650.02	6,557.12	92.91	71.577		
7,750.00	7,000.85	7,346.39	7,022.22	60.04	41.73	80.81	-3,445.36	6,313.04	6,647.36	6,553.77	93.59	71.026		
7,800.00	7,045.94	7,376.82	7,052.65	60.46	41.79	70.75	-3,444.86	6,313.21	6,641.09	6,546.94	94.14	70.543		
7,850.00	7,091.49	7,403.11	7,078.93	60.84	41.84	59.39	-3,444.58	6,313.30	6,631.42	6,536.78	94.64	70.073		
7,900.00	7,137.15	7,429.39	7,105.21	61.17	41.90	47.52	-3,444.44	6,313.32	6,618.42	6,523.35	95.08	69.611		
7,950.00	7,182.58	7,479.38	7,155.20	61.44	41.99	36.05	-3,444.41	6,313.24	6,602.15	6,506.65	95.50	69.130		
8,000.00	7,227.43	7,590.21	7,266.03	61.67	42.21	25.65	-3,443.84	6,312.54	6,582.31	6,486.33	95.98	68.581		
8,050.00	7,271.36	8,050.00	7,376.62	61.84	43.10	16.37	-3,442.08	6,311.22	6,558.69	6,461.45	97.24	67.446		
8,100.00	7,314.04	7,775.29	7,451.06	61.96	42.57	8.03	-3,440.30	6,310.29	6,531.92	6,435.25	96.68	67.565		
8,150.00	7,355.14	7,810.64	7,486.39	62.04	42.64	0.45	-3,439.38	6,309.88	6,502.39	6,405.55	96.84	67.143		
8,200.00	7,394.34	7,823.00	7,498.75	62.07	42.67	-6.60	-3,439.07	6,309.74	6,470.40	6,373.48	96.92	66.761		
8,250.00	7,431.36	7,823.00	7,498.75	62.06	42.67	-13.36	-3,439.07	6,309.74	6,436.33	6,339.41	96.92	66.411		
8,300.00	7,465.90	7,823.00	7,498.75	62.01	42.67	-20.07	-3,439.07	6,309.74	6,400.41	6,303.55	96.86	66.080		
8,350.00	7,497.71	7,856.44	7,532.18	61.93	42.74	-27.08	-3,438.39	6,309.53	6,362.57	6,265.76	96.81	65.722		
8,400.00	7,526.53	7,864.06	7,539.80	61.81	42.76	-34.33	-3,438.29	6,309.52	6,323.55	6,226.88	96.67	65.417		
8,450.00	7,552.17	7,870.87	7,546.61	61.66	42.77	-41.95	-3,438.22	6,309.53	6,283.45	6,186.97	96.47	65.132		
8,500.00	7,574.41	7,876.81	7,552.55	61.48	42.78	-49.92	-3,438.17	6,309.54	6,242.57	6,146.33	96.23	64.868		
8,550.00	7,593.09	7,881.84	7,557.57	61.29	42.79	-58.11	-3,438.13	6,309.57	6,201.22	6,105.26	95.95	64.626		
8,600.00	7,608.07	7,885.88	7,561.62	61.07	42.80	-66.27	-3,438.11	6,309.59	6,159.72	6,064.08	95.64	64.407		
8,650.00	7,619.23	7,918.00	7,593.74	60.84	42.87	-74.56	-3,438.13	6,309.91	6,118.63	6,023.29	95.34	64.178		
8,700.00	7,626.48	7,918.00	7,593.74	60.60	42.87	-81.79	-3,438.13	6,309.91	6,077.76	5,982.81	94.95	64.009		
8,750.00	7,629.78	7,918.00	7,593.74	60.35	42.87	-88.23	-3,438.13	6,309.91	6,037.73	5,943.20	94.54	63.865		
8,766.45	7,630.00	7,918.00	7,593.74	60.27	42.87	-90.16	-3,438.13	6,309.91	6,024.81	5,930.41	94.40	63.823		
8,800.00	7,630.00	7,918.00	7,593.74	60.10	42.87	-90.16	-3,438.13	6,309.91	5,998.61	5,904.50	94.11	63.740		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
8,900.00	7,630.00	7,918.00	7,593.74	59.61	42.87	-90.16	-3,438.13	6,309.91	5,920.97	5,827.72	93.25	63.498		
9,000.00	7,630.00	7,918.00	7,593.74	59.15	42.87	-90.16	-3,438.13	6,309.91	5,844.00	5,751.63	92.37	63.266		
9,100.00	7,630.00	7,918.00	7,593.74	58.71	42.87	-90.16	-3,438.13	6,309.91	5,767.75	5,676.26	91.49	63.041		
9,200.00	7,630.00	7,918.00	7,593.74	58.30	42.87	-90.16	-3,438.13	6,309.91	5,692.23	5,601.62	90.61	62.824		
9,300.00	7,630.00	7,918.00	7,593.74	57.91	42.87	-90.16	-3,438.13	6,309.91	5,617.47	5,527.75	89.72	62.613		
9,400.00	7,630.00	7,918.00	7,593.74	57.54	42.87	-90.16	-3,438.13	6,309.91	5,543.51	5,454.69	88.83	62.409		
9,500.00	7,630.00	7,918.00	7,593.74	57.19	42.87	-90.16	-3,438.13	6,309.91	5,470.38	5,382.44	87.94	62.208		
9,600.00	7,630.00	7,918.00	7,593.74	56.87	42.87	-90.16	-3,438.13	6,309.91	5,398.11	5,311.06	87.05	62.011		
9,700.00	7,630.00	7,918.00	7,593.74	56.57	42.87	-90.16	-3,438.13	6,309.91	5,326.74	5,240.56	86.17	61.814		
9,800.00	7,630.00	7,918.00	7,593.74	56.30	42.87	-90.16	-3,438.13	6,309.91	5,256.30	5,170.99	85.31	61.617		
9,900.00	7,630.00	7,918.00	7,593.74	56.05	42.87	-90.16	-3,438.13	6,309.91	5,186.83	5,102.37	84.46	61.415		
10,000.00	7,630.00	7,918.00	7,593.74	55.82	42.87	-90.16	-3,438.13	6,309.91	5,118.37	5,034.75	83.62	61.207		
10,100.00	7,630.00	7,918.00	7,593.74	55.63	42.87	-90.16	-3,438.13	6,309.91	5,050.97	4,968.15	82.82	60.988		
10,200.00	7,630.00	7,918.00	7,593.74	55.46	42.87	-90.16	-3,438.13	6,309.91	4,984.66	4,902.61	82.05	60.755		
10,300.00	7,630.00	7,918.00	7,593.74	55.32	42.87	-90.16	-3,438.13	6,309.91	4,919.49	4,838.18	81.31	60.503		
10,400.00	7,630.00	7,918.00	7,593.74	55.22	42.87	-90.16	-3,438.13	6,309.91	4,855.50	4,774.88	80.62	60.228		
10,500.00	7,630.00	7,918.00	7,593.74	55.15	42.87	-90.16	-3,438.13	6,309.91	4,792.75	4,712.76	79.98	59.924		
10,600.00	7,630.00	7,918.00	7,593.74	55.14	42.87	-90.16	-3,438.13	6,309.91	4,731.27	4,651.87	79.40	59.586		
10,700.00	7,630.00	7,918.00	7,593.74	55.18	42.87	-90.16	-3,438.13	6,309.91	4,671.13	4,592.24	78.89	59.208		
10,800.00	7,630.00	7,889.94	7,565.67	55.28	42.81	-89.74	-3,438.09	6,309.61	4,612.13	4,533.68	78.45	58.793		
10,900.00	7,630.00	7,889.82	7,565.56	55.47	42.81	-89.73	-3,438.10	6,309.61	4,554.81	4,476.70	78.10	58.317		
11,000.00	7,630.00	7,889.70	7,565.44	55.74	42.81	-89.73	-3,438.10	6,309.61	4,498.98	4,421.12	77.86	57.785		
11,100.00	7,630.00	7,889.58	7,565.32	56.11	42.81	-89.73	-3,438.10	6,309.61	4,444.70	4,366.99	77.71	57.194		
11,200.00	7,630.00	7,889.46	7,565.20	56.60	42.81	-89.73	-3,438.10	6,309.61	4,392.03	4,314.35	77.68	56.540		
11,300.00	7,630.00	7,889.33	7,565.07	57.20	42.81	-89.73	-3,438.10	6,309.61	4,341.02	4,263.25	77.77	55.822		
11,400.00	7,630.00	7,889.20	7,564.94	57.91	42.81	-89.72	-3,438.10	6,309.61	4,291.73	4,213.76	77.98	55.038		
11,500.00	7,630.00	7,889.07	7,564.81	58.72	42.81	-89.72	-3,438.10	6,309.61	4,244.23	4,165.91	78.32	54.191		
11,600.00	7,630.00	7,888.93	7,564.67	59.63	42.81	-89.72	-3,438.10	6,309.61	4,198.58	4,119.78	78.80	53.283		
11,700.00	7,630.00	7,888.79	7,564.53	60.61	42.81	-89.72	-3,438.10	6,309.61	4,154.83	4,075.42	79.41	52.319		
11,800.00	7,630.00	7,888.65	7,564.39	61.67	42.81	-89.72	-3,438.10	6,309.60	4,113.05	4,032.88	80.17	51.304		
11,900.00	7,630.00	7,888.50	7,564.24	62.78	42.81	-89.71	-3,438.10	6,309.60	4,073.29	3,992.22	81.07	50.246		
12,000.00	7,630.00	7,888.35	7,564.09	63.95	42.81	-89.71	-3,438.10	6,309.60	4,035.62	3,953.52	82.10	49.154		
12,100.00	7,630.00	7,888.20	7,563.93	65.16	42.81	-89.71	-3,438.10	6,309.60	4,000.10	3,916.83	83.27	48.036		
12,200.00	7,630.00	7,888.04	7,563.77	66.41	42.81	-89.71	-3,438.10	6,309.60	3,966.78	3,882.20	84.58	46.902		
12,300.00	7,630.00	7,887.87	7,563.61	67.68	42.81	-89.70	-3,438.10	6,309.60	3,935.72	3,849.71	86.01	45.760		
12,400.00	7,630.00	7,887.70	7,563.44	68.99	42.81	-89.70	-3,438.10	6,309.60	3,906.97	3,819.41	87.56	44.620		
12,500.00	7,630.00	7,887.53	7,563.27	70.33	42.81	-89.70	-3,438.10	6,309.60	3,880.59	3,791.36	89.23	43.491		
12,600.00	7,630.00	7,887.35	7,563.09	71.68	42.81	-89.70	-3,438.10	6,309.60	3,856.62	3,765.61	91.00	42.379		
12,700.00	7,630.00	7,887.17	7,562.90	73.06	42.81	-89.69	-3,438.11	6,309.60	3,835.11	3,742.23	92.88	41.293		
12,800.00	7,630.00	7,886.98	7,562.72	74.45	42.81	-89.69	-3,438.11	6,309.59	3,816.09	3,721.26	94.84	40.238		
12,900.00	7,630.00	7,886.78	7,562.52	75.87	42.81	-89.69	-3,438.11	6,309.59	3,799.62	3,702.74	96.88	39.219		
13,000.00	7,630.00	7,886.58	7,562.32	77.29	42.80	-89.68	-3,438.11	6,309.59	3,785.72	3,686.72	98.99	38.242		
13,100.00	7,630.00	7,886.37	7,562.11	78.74	42.80	-89.68	-3,438.11	6,309.59	3,774.41	3,673.24	101.17	37.308		
13,200.00	7,630.00	7,886.16	7,561.90	80.19	42.80	-89.68	-3,438.11	6,309.59	3,765.73	3,662.34	103.39	36.421		
13,300.00	7,630.00	7,885.94	7,561.68	81.66	42.80	-89.67	-3,438.11	6,309.59	3,759.69	3,654.03	105.66	35.583		
13,400.00	7,630.00	7,885.71	7,561.45	83.14	42.80	-89.67	-3,438.11	6,309.59	3,756.30	3,648.35	107.95	34.795		
13,477.30	7,630.00	7,885.53	7,561.27	84.30	42.80	-89.67	-3,438.11	6,309.59	3,755.51	3,645.76	109.74	34.221 CC		
13,500.00	7,630.00	7,885.48	7,561.21	84.63	42.80	-89.67	-3,438.11	6,309.58	3,755.58	3,645.31	110.27	34.058		
13,600.00	7,630.00	7,885.23	7,560.97	86.14	42.80	-89.66	-3,438.11	6,309.58	3,757.51	3,644.92	112.60	33.372 ES		
13,700.00	7,630.00	7,884.98	7,560.72	87.65	42.80	-89.66	-3,438.12	6,309.58	3,762.11	3,647.18	114.92	32.736		
13,800.00	7,630.00	7,884.72	7,560.46	89.17	42.80	-89.66	-3,438.12	6,309.58	3,769.35	3,652.10	117.24	32.150		
13,900.00	7,630.00	7,884.45	7,560.18	90.70	42.80	-89.65	-3,438.12	6,309.58	3,779.22	3,659.67	119.55	31.613		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
14,000.00	7,630.00	7,884.17	7,559.90	92.24	42.80	-89.65	-3,438.12	6,309.58	3,791.71	3,669.88	121.83	31.124		
14,100.00	7,630.00	7,883.88	7,559.61	93.78	42.80	-89.64	-3,438.12	6,309.58	3,806.78	3,682.71	124.07	30.682		
14,200.00	7,630.00	7,883.57	7,559.31	95.33	42.80	-89.64	-3,438.12	6,309.57	3,824.41	3,698.13	126.28	30.285		
14,300.00	7,630.00	7,883.26	7,559.00	96.89	42.80	-89.63	-3,438.12	6,309.57	3,844.56	3,716.12	128.44	29.932		
14,400.00	7,630.00	7,882.93	7,558.67	98.46	42.80	-89.63	-3,438.13	6,309.57	3,867.20	3,736.64	130.55	29.621		
14,500.00	7,630.00	7,882.60	7,558.33	100.03	42.80	-89.62	-3,438.13	6,309.57	3,892.27	3,759.65	132.61	29.351		
14,600.00	7,630.00	7,882.24	7,557.98	101.61	42.80	-89.62	-3,438.13	6,309.57	3,919.73	3,785.12	134.61	29.119		
14,700.00	7,630.00	7,881.87	7,557.61	103.20	42.79	-89.61	-3,438.13	6,309.57	3,949.53	3,812.99	136.54	28.925		
14,800.00	7,630.00	7,881.49	7,557.23	104.78	42.79	-89.61	-3,438.13	6,309.56	3,981.63	3,843.21	138.41	28.767		
14,900.00	7,630.00	7,881.09	7,556.83	106.38	42.79	-89.60	-3,438.14	6,309.56	4,015.95	3,875.74	140.21	28.642		
15,000.00	7,630.00	7,880.67	7,556.41	107.98	42.79	-89.59	-3,438.14	6,309.56	4,052.46	3,910.51	141.94	28.550		
15,100.00	7,630.00	7,880.23	7,555.97	109.58	42.79	-89.59	-3,438.14	6,309.56	4,091.08	3,947.48	143.60	28.488		
15,200.00	7,630.00	7,879.78	7,555.51	111.19	42.79	-89.58	-3,438.15	6,309.56	4,131.77	3,986.57	145.20	28.457		
15,300.00	7,630.00	7,879.30	7,555.03	112.81	42.79	-89.57	-3,438.15	6,309.55	4,174.45	4,027.73	146.71	28.453 SF		
15,400.00	7,630.00	7,878.79	7,554.53	114.42	42.79	-89.57	-3,438.15	6,309.55	4,219.07	4,070.91	148.16	28.476		
15,500.00	7,630.00	7,878.26	7,554.00	116.05	42.79	-89.56	-3,438.16	6,309.55	4,265.57	4,116.03	149.54	28.524		
15,600.00	7,630.00	7,877.71	7,553.45	117.67	42.79	-89.55	-3,438.16	6,309.55	4,313.89	4,163.03	150.85	28.596		
15,700.00	7,630.00	7,877.12	7,552.86	119.30	42.78	-89.54	-3,438.16	6,309.55	4,363.96	4,211.86	152.10	28.692		
15,800.00	7,630.00	7,876.51	7,552.24	120.93	42.78	-89.53	-3,438.17	6,309.54	4,415.73	4,262.45	153.28	28.809		
15,900.00	7,630.00	7,875.85	7,551.59	122.57	42.78	-89.52	-3,438.17	6,309.54	4,469.14	4,314.75	154.39	28.947		
16,000.00	7,630.00	7,875.17	7,550.90	124.21	42.78	-89.51	-3,438.18	6,309.54	4,524.13	4,368.68	155.44	29.105		
16,100.00	7,630.00	7,874.43	7,550.17	125.85	42.78	-89.50	-3,438.19	6,309.54	4,580.64	4,424.20	156.44	29.281		
16,200.00	7,630.00	7,873.66	7,549.40	127.50	42.78	-89.49	-3,438.19	6,309.54	4,638.62	4,481.24	157.37	29.475		
16,300.00	7,630.00	7,872.84	7,548.57	129.15	42.77	-89.47	-3,438.20	6,309.53	4,698.01	4,539.76	158.25	29.686		
16,400.00	7,630.00	7,871.96	7,547.70	130.80	42.77	-89.46	-3,438.21	6,309.53	4,758.76	4,599.68	159.08	29.914		
16,500.00	7,630.00	7,871.02	7,546.76	132.46	42.77	-89.45	-3,438.22	6,309.53	4,820.82	4,660.96	159.86	30.157		
16,600.00	7,630.00	7,870.02	7,545.76	134.11	42.77	-89.43	-3,438.23	6,309.53	4,884.14	4,723.55	160.59	30.414		
16,700.00	7,630.00	7,868.95	7,544.69	135.77	42.77	-89.42	-3,438.24	6,309.53	4,948.67	4,787.40	161.27	30.685		
16,800.00	7,630.00	7,867.79	7,543.53	137.43	42.76	-89.40	-3,438.25	6,309.52	5,014.37	4,852.46	161.91	30.970		
16,900.00	7,630.00	7,866.55	7,542.29	139.10	42.76	-89.38	-3,438.26	6,309.52	5,081.18	4,918.67	162.51	31.267		
17,000.00	7,630.00	7,865.21	7,540.94	140.77	42.76	-89.36	-3,438.28	6,309.52	5,149.07	4,986.00	163.07	31.576		
17,100.00	7,630.00	7,863.75	7,539.49	142.44	42.75	-89.34	-3,438.30	6,309.52	5,217.99	5,054.40	163.59	31.897		
17,200.00	7,630.00	7,862.16	7,537.90	144.11	42.75	-89.31	-3,438.32	6,309.52	5,287.90	5,123.83	164.07	32.229		
17,300.00	7,630.00	7,860.43	7,536.17	145.78	42.75	-89.29	-3,438.34	6,309.52	5,358.77	5,194.24	164.53	32.571		
17,400.00	7,630.00	7,858.53	7,534.27	147.46	42.74	-89.26	-3,438.36	6,309.53	5,430.55	5,265.61	164.95	32.923		
17,500.00	7,630.00	7,856.44	7,532.18	149.13	42.74	-89.22	-3,438.39	6,309.53	5,503.22	5,337.88	165.34	33.285		
17,600.00	7,630.00	7,854.13	7,529.87	150.81	42.73	-89.19	-3,438.43	6,309.53	5,576.73	5,411.03	165.70	33.656		
17,700.00	7,630.00	7,851.56	7,527.30	152.49	42.73	-89.15	-3,438.47	6,309.54	5,651.05	5,485.01	166.03	34.035		
17,800.00	7,630.00	7,848.67	7,524.41	154.18	42.72	-89.11	-3,438.52	6,309.55	5,726.15	5,559.81	166.35	34.423		
17,900.00	7,630.00	7,845.43	7,521.17	155.86	42.71	-89.06	-3,438.57	6,309.57	5,802.00	5,635.37	166.63	34.819		
18,000.00	7,630.00	7,841.74	7,517.48	157.55	42.71	-89.00	-3,438.64	6,309.59	5,878.58	5,711.68	166.90	35.222		
18,100.00	7,630.00	7,837.51	7,513.26	159.24	42.70	-88.94	-3,438.73	6,309.61	5,955.85	5,788.70	167.15	35.633		
18,200.00	7,630.00	7,832.63	7,508.37	160.92	42.69	-88.86	-3,438.83	6,309.65	6,033.78	5,866.41	167.37	36.050		
18,300.00	7,630.00	7,826.91	7,502.65	162.62	42.67	-88.77	-3,438.97	6,309.70	6,112.36	5,944.78	167.58	36.474		
18,400.00	7,630.00	7,822.00	7,497.75	164.31	42.66	-88.70	-3,439.09	6,309.75	6,191.55	6,023.78	167.77	36.905		
18,458.39	7,630.00	7,820.55	7,496.29	165.30	42.66	-88.68	-3,439.13	6,309.77	6,238.06	6,070.19	167.87	37.159		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	81.95	771.80	5,455.12	5,510.18					
100.00	100.00	10.00	10.00	0.13	0.08	81.95	771.80	5,455.12	5,509.45	5,509.24	0.21	N/A		
200.00	200.00	110.00	110.00	0.49	0.95	81.95	771.80	5,455.12	5,509.45	5,508.00	1.44	3,815.133		
300.00	300.00	210.00	210.00	0.85	2.70	81.95	771.80	5,455.12	5,509.45	5,505.90	3.55	1,552.874		
400.00	400.00	310.00	310.00	1.21	4.44	81.95	771.80	5,455.12	5,509.45	5,503.80	5.65	974.829		
500.00	500.00	410.00	410.00	1.57	6.19	81.95	771.80	5,455.12	5,509.45	5,501.69	7.76	710.392		
600.00	600.00	510.00	510.00	1.93	7.93	81.95	771.80	5,455.12	5,509.45	5,499.59	9.86	558.807		
700.00	700.00	610.00	610.00	2.29	9.68	81.95	771.80	5,455.12	5,509.45	5,497.49	11.96	460.537		
800.00	800.00	710.00	710.00	2.64	11.42	81.95	771.80	5,455.12	5,509.45	5,495.38	14.07	391.660		
900.00	900.00	810.00	810.00	3.00	13.17	81.95	771.80	5,455.12	5,509.45	5,493.28	16.17	340.705		
1,000.00	1,000.00	910.00	910.00	3.36	14.91	81.95	771.80	5,455.12	5,509.45	5,491.17	18.27	301.483		
1,100.00	1,100.00	1,010.00	1,010.00	3.72	16.66	81.95	771.80	5,455.12	5,509.45	5,489.07	20.38	270.358		
1,200.00	1,199.98	1,109.98	1,109.98	4.07	18.40	30.90	771.80	5,455.12	5,507.95	5,485.47	22.48	245.034		
1,300.00	1,299.84	1,209.84	1,209.84	4.43	20.15	30.98	771.80	5,455.12	5,503.46	5,478.89	24.57	223.953		
1,400.00	1,399.45	1,309.45	1,309.45	4.79	21.89	31.10	771.80	5,455.12	5,495.99	5,469.32	26.67	206.095		
1,500.00	1,498.70	1,408.70	1,408.70	5.15	23.62	31.28	771.80	5,455.12	5,485.54	5,456.78	28.76	190.761		
1,600.00	1,597.47	1,507.47	1,507.47	5.53	25.34	31.50	771.80	5,455.12	5,472.14	5,441.30	30.84	177.438		
1,700.00	1,695.62	1,605.62	1,605.62	5.93	27.05	31.78	771.80	5,455.12	5,455.81	5,422.90	32.92	165.741		
1,800.00	1,793.06	1,703.06	1,703.06	6.35	28.76	32.11	771.80	5,455.12	5,436.59	5,401.60	34.99	155.377		
1,900.00	1,889.64	1,800.36	1,799.64	6.79	30.45	32.50	771.80	5,455.12	5,414.50	5,377.43	37.07	146.070		
2,000.00	1,985.27	1,904.73	1,895.27	7.27	32.28	32.94	771.80	5,455.12	5,389.59	5,350.31	39.28	137.207		
2,100.00	2,079.82	1,989.82	1,989.82	7.79	33.76	33.44	771.80	5,455.12	5,361.90	5,320.73	41.17	130.239		
2,200.00	2,173.17	2,083.17	2,083.17	8.36	35.39	34.01	771.80	5,455.12	5,331.49	5,288.27	43.22	123.361		
2,300.00	2,265.21	2,175.21	2,175.21	8.97	37.00	34.64	771.80	5,455.12	5,298.41	5,253.14	45.26	117.058		
2,400.00	2,355.84	2,265.84	2,265.84	9.64	38.58	35.33	771.80	5,455.12	5,262.72	5,215.41	47.30	111.255		
2,500.00	2,444.94	2,354.94	2,354.94	10.36	40.13	36.09	771.80	5,455.12	5,224.48	5,175.14	49.34	105.887		
2,591.69	2,525.19	2,435.19	2,435.19	11.07	41.53	36.85	771.80	5,455.12	5,187.26	5,136.05	51.21	101.301		
2,600.00	2,532.40	2,442.40	2,442.40	11.14	41.66	36.88	771.80	5,455.12	5,183.80	5,132.42	51.38	100.896		
2,700.00	2,619.15	2,529.15	2,529.15	11.96	43.17	37.20	771.80	5,455.12	5,142.17	5,088.75	53.42	96.263		
2,800.00	2,705.89	2,615.89	2,615.89	12.81	44.69	37.52	771.80	5,455.12	5,100.69	5,045.21	55.48	91.942		
2,900.00	2,792.64	2,702.64	2,702.64	13.67	46.20	37.84	771.80	5,455.12	5,059.36	5,001.81	57.55	87.905		
3,000.00	2,879.39	2,789.39	2,789.39	14.55	47.72	38.18	771.80	5,455.12	5,018.19	4,958.54	59.65	84.129		
3,100.00	2,966.14	2,876.14	2,876.14	15.44	49.23	38.51	771.80	5,455.12	4,977.16	4,915.41	61.76	80.591		
3,200.00	3,052.88	2,962.88	2,962.88	16.34	50.74	38.85	771.80	5,455.12	4,936.30	4,872.42	63.88	77.272		
3,300.00	3,139.63	3,049.63	3,049.63	17.25	52.26	39.20	771.80	5,455.12	4,895.61	4,829.59	66.02	74.154		
3,400.00	3,226.38	3,136.38	3,136.38	18.17	53.77	39.55	771.80	5,455.12	4,855.08	4,786.91	68.17	71.220		
3,500.00	3,313.12	3,223.12	3,223.12	19.09	55.29	39.91	771.80	5,455.12	4,814.73	4,744.40	70.33	68.456		
3,600.00	3,399.87	3,309.87	3,309.87	20.02	56.80	40.27	771.80	5,455.12	4,774.55	4,702.04	72.51	65.849		
3,700.00	3,486.62	3,403.38	3,396.62	20.96	58.43	40.64	771.80	5,455.12	4,734.56	4,659.75	74.81	63.285		
3,800.00	3,573.37	3,483.37	3,483.37	21.90	59.83	41.02	771.80	5,455.12	4,694.75	4,617.86	76.89	61.056		
3,900.00	3,660.11	3,570.11	3,570.11	22.84	61.34	41.39	771.80	5,455.12	4,655.13	4,576.03	79.10	58.849		
4,000.00	3,746.86	3,656.86	3,656.86	23.78	62.86	41.78	771.80	5,455.12	4,615.71	4,534.39	81.32	56.758		
4,100.00	3,833.61	3,743.61	3,743.61	24.73	64.37	42.17	771.80	5,455.12	4,576.49	4,492.94	83.56	54.772		
4,200.00	3,920.35	3,830.35	3,830.35	25.68	65.88	42.57	771.80	5,455.12	4,537.48	4,451.68	85.80	52.886		
4,300.00	4,007.10	3,917.10	3,917.10	26.63	67.40	42.97	771.80	5,455.12	4,498.68	4,410.63	88.05	51.092		
4,400.00	4,093.85	4,003.85	4,003.85	27.59	68.91	43.38	771.80	5,455.12	4,460.09	4,369.78	90.32	49.383		
4,500.00	4,180.60	4,109.40	4,109.40	28.55	70.75	43.80	771.80	5,455.12	4,421.73	4,328.81	92.92	47.587		
4,600.00	4,267.34	4,177.34	4,177.34	29.50	71.94	44.22	771.80	5,455.12	4,383.60	4,288.72	94.88	46.203		
4,700.00	4,354.09	4,264.09	4,264.09	30.46	73.45	44.65	771.80	5,455.12	4,345.70	4,248.53	97.17	44.721		
4,800.00	4,440.84	4,350.84	4,350.84	31.42	74.97	45.08	771.80	5,455.12	4,308.05	4,208.57	99.48	43.305		
4,900.00	4,527.58	4,437.58	4,437.58	32.39	76.48	45.52	771.80	5,455.12	4,270.64	4,168.84	101.80	41.951		
5,000.00	4,614.33	4,524.33	4,524.33	33.35	78.00	45.97	771.80	5,455.12	4,233.49	4,129.35	104.13	40.655		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,701.08	4,611.08	4,611.08	34.31	79.51	46.43	771.80	5,455.12	4,196.59	4,090.12	106.47	39.415		
5,200.00	4,787.82	4,702.18	4,697.82	35.28	81.10	46.89	771.80	5,455.12	4,159.97	4,051.07	108.90	38.200		
5,300.00	4,874.57	4,784.57	4,784.57	36.25	82.54	47.36	771.80	5,455.12	4,123.62	4,012.43	111.19	37.087		
5,400.00	4,961.32	4,871.32	4,871.32	37.21	84.05	47.84	771.80	5,455.12	4,087.55	3,973.98	113.56	35.993		
5,500.00	5,048.07	4,958.07	4,958.07	38.18	85.57	48.32	771.80	5,455.12	4,051.77	3,935.82	115.95	34.944		
5,600.00	5,134.81	5,044.81	5,044.81	39.15	87.08	48.81	771.80	5,455.12	4,016.29	3,897.94	118.35	33.936		
5,700.00	5,221.56	5,131.56	5,131.56	40.12	88.59	49.31	771.80	5,455.12	3,981.11	3,860.35	120.76	32.967		
5,800.00	5,308.31	5,218.31	5,218.31	41.09	90.11	49.82	771.80	5,455.12	3,946.25	3,823.07	123.18	32.036		
5,900.00	5,395.05	5,305.05	5,305.05	42.06	91.62	50.33	771.80	5,455.12	3,911.71	3,786.09	125.61	31.141		
6,000.00	5,481.80	5,408.20	5,391.80	43.03	93.42	50.85	771.80	5,455.12	3,877.50	3,749.15	128.35	30.211		
6,100.00	5,568.55	5,478.55	5,478.55	44.00	94.65	51.38	771.80	5,455.12	3,843.63	3,713.11	130.52	29.449		
6,200.00	5,655.30	5,565.30	5,565.30	44.97	96.16	51.92	771.80	5,455.12	3,810.11	3,677.12	132.99	28.650		
6,300.00	5,742.04	5,652.04	5,652.04	45.94	97.68	52.47	771.80	5,455.12	3,776.94	3,641.47	135.47	27.881		
6,400.00	5,828.79	5,738.79	5,738.79	46.92	99.19	53.02	771.80	5,455.12	3,744.15	3,606.18	137.96	27.139		
6,500.00	5,915.54	5,825.54	5,825.54	47.89	100.71	53.58	771.80	5,455.12	3,711.73	3,571.26	140.47	26.424		
6,600.00	6,002.28	5,912.28	5,912.28	48.86	102.22	54.16	771.80	5,455.12	3,679.69	3,536.71	142.99	25.735		
6,700.00	6,089.03	6,000.97	5,999.03	49.83	103.77	54.73	771.80	5,455.12	3,648.06	3,502.51	145.55	25.064		
6,800.00	6,175.78	6,085.78	6,085.78	50.81	105.25	55.32	771.80	5,455.12	3,616.83	3,468.77	148.06	24.429		
6,900.00	6,262.53	6,172.53	6,172.53	51.78	106.76	55.92	771.80	5,455.12	3,586.02	3,435.41	150.61	23.810		
7,000.00	6,349.27	6,259.27	6,259.27	52.76	108.28	56.52	771.80	5,455.12	3,555.64	3,402.46	153.18	23.212		
7,100.00	6,436.02	6,346.02	6,346.02	53.73	109.79	57.13	771.80	5,455.12	3,525.70	3,369.94	155.76	22.636		
7,200.00	6,522.77	6,432.77	6,432.77	54.71	111.30	57.75	771.80	5,455.12	3,496.21	3,337.86	158.35	22.080		
7,300.00	6,609.51	6,519.51	6,519.51	55.68	112.82	58.38	771.80	5,455.12	3,467.18	3,306.24	160.95	21.542		
7,400.00	6,696.26	6,606.26	6,606.26	56.66	114.33	59.02	771.80	5,455.12	3,438.63	3,275.07	163.56	21.024		
7,500.00	6,783.01	6,706.99	6,693.01	57.63	116.09	59.67	771.80	5,455.12	3,410.57	3,244.14	166.43	20.493		
7,600.00	6,869.76	6,779.76	6,779.76	58.61	117.36	60.33	771.80	5,455.12	3,383.00	3,214.19	168.82	20.039		
7,683.49	6,942.18	6,852.18	6,852.18	59.42	118.62	60.88	771.80	5,455.12	3,360.38	3,189.35	171.03	19.648		
7,700.00	6,956.57	6,866.57	6,866.57	59.58	118.88	58.13	771.80	5,455.12	3,355.85	3,184.39	171.46	19.572		
7,750.00	7,000.85	6,910.85	6,910.85	60.04	119.65	48.65	771.80	5,455.12	3,341.02	3,168.29	172.73	19.342		
7,800.00	7,045.94	6,955.94	6,955.94	60.46	120.44	37.47	771.80	5,455.12	3,324.57	3,150.63	173.94	19.113		
7,850.00	7,091.49	7,001.49	7,001.49	60.84	121.23	24.97	771.80	5,455.12	3,306.57	3,131.51	175.06	18.888		
7,900.00	7,137.15	7,047.15	7,047.15	61.17	122.03	11.92	771.80	5,455.12	3,287.12	3,111.03	176.09	18.667		
7,950.00	7,182.58	7,107.42	7,092.58	61.44	123.08	-0.81	771.80	5,455.12	3,266.36	3,089.07	177.28	18.424		
8,000.00	7,227.43	7,137.43	7,137.43	61.67	123.60	-12.55	771.80	5,455.12	3,244.42	3,066.57	177.85	18.242		
8,050.00	7,271.36	7,181.36	7,181.36	61.84	124.37	-23.04	771.80	5,455.12	3,221.49	3,042.92	178.57	18.041		
8,100.00	7,314.04	7,224.04	7,224.04	61.96	125.11	-32.31	771.80	5,455.12	3,197.77	3,018.59	179.17	17.847		
8,150.00	7,355.14	7,265.14	7,265.14	62.04	125.83	-40.52	771.80	5,455.12	3,173.47	2,993.81	179.66	17.664		
8,200.00	7,394.34	7,304.34	7,304.34	62.07	126.52	-47.84	771.80	5,455.12	3,148.84	2,968.82	180.03	17.491		
8,250.00	7,431.36	7,341.36	7,341.36	62.06	127.16	-54.42	771.80	5,455.12	3,124.15	2,943.88	180.27	17.330		
8,300.00	7,465.90	7,375.90	7,375.90	62.01	127.77	-60.37	771.80	5,455.12	3,099.65	2,919.25	180.40	17.183		
8,350.00	7,497.71	7,407.71	7,407.71	61.93	128.32	-65.74	771.80	5,455.12	3,075.63	2,895.23	180.40	17.049		
8,400.00	7,526.53	7,436.53	7,436.53	61.81	128.82	-70.56	771.80	5,455.12	3,052.38	2,872.10	180.28	16.931		
8,450.00	7,552.17	7,462.17	7,462.17	61.66	129.27	-74.85	771.80	5,455.12	3,030.18	2,850.13	180.06	16.829		
8,500.00	7,574.41	7,484.41	7,484.41	61.48	129.66	-78.62	771.80	5,455.12	3,009.31	2,829.59	179.72	16.745		
8,550.00	7,593.09	7,503.09	7,503.09	61.29	129.98	-81.86	771.80	5,455.12	2,990.03	2,810.76	179.28	16.678		
8,600.00	7,608.07	7,518.07	7,518.07	61.07	130.25	-84.58	771.80	5,455.12	2,972.60	2,793.86	178.74	16.631		
8,650.00	7,619.23	7,529.23	7,529.23	60.84	130.44	-86.80	771.80	5,455.12	2,957.23	2,779.11	178.12	16.603		
8,700.00	7,626.48	7,536.48	7,536.48	60.60	130.57	-88.50	771.80	5,455.12	2,944.12	2,766.70	177.41	16.595 SF		
8,750.00	7,629.78	7,539.78	7,539.78	60.35	130.63	-89.71	771.80	5,455.12	2,933.43	2,756.78	176.65	16.606		
8,766.45	7,630.00	7,540.00	7,540.00	60.27	130.63	-90.00	771.80	5,455.12	2,930.46	2,754.08	176.38	16.614		
8,800.00	7,630.00	7,540.00	7,540.00	60.10	130.63	-90.00	771.80	5,455.12	2,924.88	2,749.04	175.84	16.634		
8,900.00	7,630.00	7,540.00	7,540.00	59.61	130.63	-90.00	771.80	5,455.12	2,910.47	2,736.18	174.29	16.699		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
9,000.00	7,630.00	7,540.00	7,540.00	59.15	130.63	-90.00	771.80	5,455.12	2,899.45	2,726.59	172.85	16.774		
9,100.00	7,630.00	7,540.00	7,540.00	58.71	130.63	-90.00	771.80	5,455.12	2,891.84	2,720.28	171.56	16.856		
9,200.00	7,630.00	7,540.00	7,540.00	58.30	130.63	-90.00	771.80	5,455.12	2,887.68	2,717.24	170.44	16.943		
9,270.29	7,630.00	7,540.00	7,540.00	58.02	130.63	-90.00	771.80	5,455.12	2,886.82	2,717.05	169.77	17.004 CC, ES		
9,300.00	7,630.00	7,540.00	7,540.00	57.91	130.63	-90.00	771.80	5,455.12	2,886.97	2,717.46	169.51	17.031		
9,400.00	7,630.00	7,540.00	7,540.00	57.54	130.63	-90.00	771.80	5,455.12	2,889.73	2,720.94	168.80	17.120		
9,500.00	7,630.00	7,540.00	7,540.00	57.19	130.63	-90.00	771.80	5,455.12	2,895.95	2,727.63	168.32	17.205		
9,600.00	7,630.00	7,540.00	7,540.00	56.87	130.63	-90.00	771.80	5,455.12	2,905.59	2,737.52	168.07	17.288		
9,700.00	7,630.00	7,540.00	7,540.00	56.57	130.63	-90.00	771.80	5,455.12	2,918.63	2,750.55	168.08	17.365		
9,800.00	7,630.00	7,540.00	7,540.00	56.30	130.63	-90.00	771.80	5,455.12	2,935.02	2,766.71	168.31	17.438		
9,900.00	7,630.00	7,540.00	7,540.00	56.05	130.63	-90.00	771.80	5,455.12	2,954.70	2,785.93	168.77	17.507		
10,000.00	7,630.00	7,540.00	7,540.00	55.82	130.63	-90.00	771.80	5,455.12	2,977.62	2,808.18	169.43	17.574		
10,100.00	7,630.00	7,540.00	7,540.00	55.63	130.63	-90.00	771.80	5,455.12	3,003.69	2,833.42	170.28	17.640		
10,200.00	7,630.00	7,540.00	7,540.00	55.46	130.63	-90.00	771.80	5,455.12	3,032.84	2,861.57	171.27	17.708		
10,300.00	7,630.00	7,540.00	7,540.00	55.32	130.63	-90.00	771.80	5,455.12	3,064.97	2,892.58	172.39	17.779		
10,400.00	7,630.00	7,540.00	7,540.00	55.22	130.63	-90.00	771.80	5,455.12	3,100.00	2,926.38	173.62	17.856		
10,500.00	7,630.00	7,540.00	7,540.00	55.15	130.63	-90.00	771.80	5,455.12	3,137.82	2,962.91	174.92	17.939		
10,600.00	7,630.00	7,540.00	7,540.00	55.14	130.63	-90.00	771.80	5,455.12	3,178.34	3,002.07	176.27	18.031		
10,700.00	7,630.00	7,540.00	7,540.00	55.18	130.63	-90.00	771.80	5,455.12	3,221.46	3,043.79	177.67	18.132		
10,800.00	7,630.00	7,540.00	7,540.00	55.28	130.63	-90.00	771.80	5,455.12	3,267.07	3,087.99	179.08	18.243		
10,900.00	7,630.00	7,540.00	7,540.00	55.47	130.63	-90.00	771.80	5,455.12	3,315.07	3,134.57	180.50	18.366		
11,000.00	7,630.00	7,540.00	7,540.00	55.74	130.63	-90.00	771.80	5,455.12	3,365.36	3,183.44	181.92	18.499		
11,100.00	7,630.00	7,540.00	7,540.00	56.11	130.63	-90.00	771.80	5,455.12	3,417.83	3,234.51	183.32	18.644		
11,200.00	7,630.00	7,540.00	7,540.00	56.60	130.63	-90.00	771.80	5,455.12	3,472.39	3,287.69	184.70	18.800		
11,300.00	7,630.00	7,540.00	7,540.00	57.20	130.63	-90.00	771.80	5,455.12	3,528.95	3,342.89	186.06	18.967		
11,400.00	7,630.00	7,540.00	7,540.00	57.91	130.63	-90.00	771.80	5,455.12	3,587.40	3,400.02	187.38	19.145		
11,500.00	7,630.00	7,540.00	7,540.00	58.72	130.63	-90.00	771.80	5,455.12	3,647.65	3,458.99	188.66	19.334		
11,600.00	7,630.00	7,540.00	7,540.00	59.63	130.63	-90.00	771.80	5,455.12	3,709.62	3,519.71	189.91	19.534		
11,700.00	7,630.00	7,540.00	7,540.00	60.61	130.63	-90.00	771.80	5,455.12	3,773.23	3,582.11	191.12	19.743		
11,800.00	7,630.00	7,540.00	7,540.00	61.67	130.63	-90.00	771.80	5,455.12	3,838.38	3,646.10	192.28	19.962		
11,900.00	7,630.00	7,540.00	7,540.00	62.78	130.63	-90.00	771.80	5,455.12	3,905.01	3,711.61	193.41	20.191		
12,000.00	7,630.00	7,540.00	7,540.00	63.95	130.63	-90.00	771.80	5,455.12	3,973.04	3,778.55	194.49	20.428		
12,100.00	7,630.00	7,540.00	7,540.00	65.16	130.63	-90.00	771.80	5,455.12	4,042.40	3,846.87	195.53	20.674		
12,200.00	7,630.00	7,540.00	7,540.00	66.41	130.63	-90.00	771.80	5,455.12	4,113.02	3,916.49	196.53	20.928		
12,300.00	7,630.00	7,540.00	7,540.00	67.68	130.63	-90.00	771.80	5,455.12	4,184.84	3,987.35	197.49	21.190		
12,400.00	7,630.00	7,540.00	7,540.00	68.99	130.63	-90.00	771.80	5,455.12	4,257.80	4,059.38	198.42	21.459		
12,500.00	7,630.00	7,540.00	7,540.00	70.33	130.63	-90.00	771.80	5,455.12	4,331.83	4,132.53	199.30	21.735		
12,600.00	7,630.00	7,540.00	7,540.00	71.68	130.63	-90.00	771.80	5,455.12	4,406.89	4,206.74	200.15	22.018		
12,700.00	7,630.00	7,540.00	7,540.00	73.06	130.63	-90.00	771.80	5,455.12	4,482.93	4,281.96	200.97	22.307		
12,800.00	7,630.00	7,540.00	7,540.00	74.45	130.63	-90.00	771.80	5,455.12	4,559.89	4,358.14	201.75	22.602		
12,900.00	7,630.00	7,540.00	7,540.00	75.87	130.63	-90.00	771.80	5,455.12	4,637.73	4,435.23	202.50	22.903		
13,000.00	7,630.00	7,540.00	7,540.00	77.29	130.63	-90.00	771.80	5,455.12	4,716.41	4,513.19	203.21	23.209		
13,100.00	7,630.00	7,540.00	7,540.00	78.74	130.63	-90.00	771.80	5,455.12	4,795.88	4,591.97	203.90	23.520		
13,200.00	7,630.00	7,540.00	7,540.00	80.19	130.63	-90.00	771.80	5,455.12	4,876.10	4,671.54	204.56	23.837		
13,300.00	7,630.00	7,540.00	7,540.00	81.66	130.63	-90.00	771.80	5,455.12	4,957.05	4,751.85	205.20	24.158		
13,400.00	7,630.00	7,540.00	7,540.00	83.14	130.63	-90.00	771.80	5,455.12	5,038.68	4,832.87	205.80	24.483		
13,500.00	7,630.00	7,540.00	7,540.00	84.63	130.63	-90.00	771.80	5,455.12	5,120.96	4,914.57	206.39	24.812		
13,600.00	7,630.00	7,540.00	7,540.00	86.14	130.63	-90.00	771.80	5,455.12	5,203.86	4,996.91	206.95	25.146		
13,700.00	7,630.00	7,540.00	7,540.00	87.65	130.63	-90.00	771.80	5,455.12	5,287.35	5,079.87	207.48	25.483		
13,800.00	7,630.00	7,540.00	7,540.00	89.17	130.63	-90.00	771.80	5,455.12	5,371.41	5,163.41	208.00	25.824		
13,900.00	7,630.00	7,540.00	7,540.00	90.70	130.63	-90.00	771.80	5,455.12	5,456.00	5,247.51	208.50	26.168		
14,000.00	7,630.00	7,540.00	7,540.00	92.24	130.63	-90.00	771.80	5,455.12	5,541.11	5,332.14	208.97	26.516		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
14,100.00	7,630.00	7,540.00	7,540.00	93.78	130.63	-90.00	771.80	5,455.12	5,626.71	5,417.28	209.43	26.867		
14,200.00	7,630.00	7,540.00	7,540.00	95.33	130.63	-90.00	771.80	5,455.12	5,712.77	5,502.90	209.87	27.220		
14,300.00	7,630.00	7,540.00	7,540.00	96.89	130.63	-90.00	771.80	5,455.12	5,799.29	5,588.99	210.30	27.577		
14,400.00	7,630.00	7,540.00	7,540.00	98.46	130.63	-90.00	771.80	5,455.12	5,886.23	5,675.52	210.70	27.936		
14,500.00	7,630.00	7,540.00	7,540.00	100.03	130.63	-90.00	771.80	5,455.12	5,973.58	5,762.48	211.10	28.298		
14,600.00	7,630.00	7,540.00	7,540.00	101.61	130.63	-90.00	771.80	5,455.12	6,061.32	5,849.84	211.48	28.662		
14,700.00	7,630.00	7,540.00	7,540.00	103.20	130.63	-90.00	771.80	5,455.12	6,149.43	5,937.59	211.84	29.028		
14,800.00	7,630.00	7,540.00	7,540.00	104.78	130.63	-90.00	771.80	5,455.12	6,237.90	6,025.71	212.20	29.397		
14,900.00	7,630.00	7,540.00	7,540.00	106.38	130.63	-90.00	771.80	5,455.12	6,326.72	6,114.18	212.54	29.768		
15,000.00	7,630.00	7,540.00	7,540.00	107.98	130.63	-90.00	771.80	5,455.12	6,415.87	6,203.00	212.86	30.141		
15,100.00	7,630.00	7,540.00	7,540.00	109.58	130.63	-90.00	771.80	5,455.12	6,505.33	6,292.14	213.18	30.515		
15,200.00	7,630.00	7,540.00	7,540.00	111.19	130.63	-90.00	771.80	5,455.12	6,595.09	6,381.60	213.49	30.892		
15,300.00	7,630.00	7,540.00	7,540.00	112.81	130.63	-90.00	771.80	5,455.12	6,685.14	6,471.36	213.78	31.271		
15,400.00	7,630.00	7,540.00	7,540.00	114.42	130.63	-90.00	771.80	5,455.12	6,775.48	6,561.41	214.07	31.651		
15,500.00	7,630.00	7,540.00	7,540.00	116.05	130.63	-90.00	771.80	5,455.12	6,866.08	6,651.73	214.35	32.032		
15,600.00	7,630.00	7,540.00	7,540.00	117.67	130.63	-90.00	771.80	5,455.12	6,956.94	6,742.32	214.62	32.416		
15,700.00	7,630.00	7,540.00	7,540.00	119.30	130.63	-90.00	771.80	5,455.12	7,048.04	6,833.17	214.88	32.800		
15,800.00	7,630.00	7,540.00	7,540.00	120.93	130.63	-90.00	771.80	5,455.12	7,139.39	6,924.26	215.13	33.186		
15,900.00	7,630.00	7,540.00	7,540.00	122.57	130.63	-90.00	771.80	5,455.12	7,230.96	7,015.59	215.37	33.574		
16,000.00	7,630.00	7,540.00	7,540.00	124.21	130.63	-90.00	771.80	5,455.12	7,322.76	7,107.14	215.61	33.963		
16,100.00	7,630.00	7,540.00	7,540.00	125.85	130.63	-90.00	771.80	5,455.12	7,414.76	7,198.92	215.84	34.353		
16,200.00	7,630.00	7,540.00	7,540.00	127.50	130.63	-90.00	771.80	5,455.12	7,506.97	7,290.91	216.06	34.744		
16,300.00	7,630.00	7,540.00	7,540.00	129.15	130.63	-90.00	771.80	5,455.12	7,599.38	7,383.10	216.28	35.136		
16,400.00	7,630.00	7,540.00	7,540.00	130.80	130.63	-90.00	771.80	5,455.12	7,691.98	7,475.48	216.49	35.530		
16,500.00	7,630.00	7,540.00	7,540.00	132.46	130.63	-90.00	771.80	5,455.12	7,784.76	7,568.06	216.70	35.924		
16,600.00	7,630.00	7,540.00	7,540.00	134.11	130.63	-90.00	771.80	5,455.12	7,877.72	7,660.82	216.90	36.320		
16,700.00	7,630.00	7,540.00	7,540.00	135.77	130.63	-90.00	771.80	5,455.12	7,970.84	7,753.75	217.09	36.717		
16,800.00	7,630.00	7,540.00	7,540.00	137.43	130.63	-90.00	771.80	5,455.12	8,064.14	7,846.86	217.28	37.114		
16,900.00	7,630.00	7,540.00	7,540.00	139.10	130.63	-90.00	771.80	5,455.12	8,157.59	7,940.12	217.46	37.512		
17,000.00	7,630.00	7,540.00	7,540.00	140.77	130.63	-90.00	771.80	5,455.12	8,251.19	8,033.55	217.64	37.911		
17,100.00	7,630.00	7,540.00	7,540.00	142.44	130.63	-90.00	771.80	5,455.12	8,344.95	8,127.13	217.82	38.311		
17,200.00	7,630.00	7,540.00	7,540.00	144.11	130.63	-90.00	771.80	5,455.12	8,438.84	8,220.85	217.99	38.712		
17,300.00	7,630.00	7,540.00	7,540.00	145.78	130.63	-90.00	771.80	5,455.12	8,532.88	8,314.72	218.16	39.114		
17,400.00	7,630.00	7,540.00	7,540.00	147.46	130.63	-90.00	771.80	5,455.12	8,627.05	8,408.73	218.32	39.516		
17,500.00	7,630.00	7,540.00	7,540.00	149.13	130.63	-90.00	771.80	5,455.12	8,721.35	8,502.87	218.48	39.919		
17,600.00	7,630.00	7,540.00	7,540.00	150.81	130.63	-90.00	771.80	5,455.12	8,815.77	8,597.14	218.63	40.322		
17,700.00	7,630.00	7,540.00	7,540.00	152.49	130.63	-90.00	771.80	5,455.12	8,910.32	8,691.53	218.78	40.727		
17,800.00	7,630.00	7,540.00	7,540.00	154.18	130.63	-90.00	771.80	5,455.12	9,004.98	8,786.05	218.93	41.132		
17,900.00	7,630.00	7,540.00	7,540.00	155.86	130.63	-90.00	771.80	5,455.12	9,099.76	8,880.68	219.08	41.537		
18,000.00	7,630.00	7,540.00	7,540.00	157.55	130.63	-90.00	771.80	5,455.12	9,194.65	8,975.43	219.22	41.943		
18,100.00	7,630.00	7,540.00	7,540.00	159.24	130.63	-90.00	771.80	5,455.12	9,289.65	9,070.29	219.36	42.350		
18,200.00	7,630.00	7,540.00	7,540.00	160.92	130.63	-90.00	771.80	5,455.12	9,384.75	9,165.25	219.49	42.757		
18,300.00	7,630.00	7,540.00	7,540.00	162.62	130.63	-90.00	771.80	5,455.12	9,479.95	9,260.32	219.63	43.164		
18,400.00	7,630.00	7,540.00	7,540.00	164.31	130.63	-90.00	771.80	5,455.12	9,575.25	9,355.49	219.76	43.572		
18,458.39	7,630.00	7,540.00	7,540.00	165.30	130.63	-90.00	771.80	5,455.12	9,630.94	9,411.11	219.83	43.811		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	115.58	-1,439.12	3,006.84	3,334.01					
100.00	100.00	41.00	41.00	0.13	0.31	115.58	-1,439.12	3,006.84	3,333.49	3,333.04	0.45	7,419.554		
200.00	200.00	141.00	141.00	0.49	1.48	115.58	-1,439.12	3,006.84	3,333.49	3,331.52	1.98	1,686.624		
300.00	300.00	241.00	241.00	0.85	3.23	115.58	-1,439.12	3,006.84	3,333.49	3,329.41	4.08	816.986		
400.00	400.00	341.00	341.00	1.21	4.97	115.58	-1,439.12	3,006.84	3,333.49	3,327.31	6.18	539.048		
500.00	500.00	441.00	441.00	1.57	6.72	115.58	-1,439.12	3,006.84	3,333.49	3,325.20	8.29	402.215		
600.00	600.00	541.00	541.00	1.93	8.46	115.58	-1,439.12	3,006.84	3,333.49	3,323.10	10.39	320.786		
700.00	700.00	641.00	641.00	2.29	10.21	115.58	-1,439.12	3,006.84	3,333.49	3,321.00	12.50	266.777		
800.00	800.00	741.00	741.00	2.64	11.96	115.58	-1,439.12	3,006.84	3,333.49	3,318.89	14.60	228.333		
900.00	900.00	841.00	841.00	3.00	13.70	115.58	-1,439.12	3,006.84	3,333.49	3,316.79	16.70	199.574		
1,000.00	1,000.00	941.00	941.00	3.36	15.45	115.58	-1,439.12	3,006.84	3,333.49	3,314.69	18.81	177.249		
1,100.00	1,100.00	1,041.00	1,041.00	3.72	17.19	115.58	-1,439.12	3,006.84	3,333.49	3,312.58	20.91	159.416		
1,200.00	1,199.98	1,140.98	1,140.98	4.07	18.94	64.55	-1,439.12	3,006.84	3,332.74	3,309.73	23.01	144.835		
1,300.00	1,299.84	1,240.84	1,240.84	4.43	20.68	64.67	-1,439.12	3,006.84	3,330.50	3,305.39	25.11	132.656		
1,400.00	1,399.45	1,340.45	1,340.45	4.79	22.42	64.87	-1,439.12	3,006.84	3,326.77	3,299.57	27.20	122.303		
1,500.00	1,498.70	1,439.70	1,439.70	5.15	24.15	65.16	-1,439.12	3,006.84	3,321.59	3,292.29	29.30	113.382		
1,600.00	1,597.47	1,538.47	1,538.47	5.53	25.87	65.52	-1,439.12	3,006.84	3,314.99	3,283.60	31.39	105.601		
1,700.00	1,695.62	1,636.62	1,636.62	5.93	27.59	65.96	-1,439.12	3,006.84	3,307.03	3,273.54	33.49	98.743		
1,800.00	1,793.06	1,734.06	1,734.06	6.35	29.29	66.48	-1,439.12	3,006.84	3,297.76	3,262.17	35.60	92.639		
1,900.00	1,889.64	1,830.64	1,830.64	6.79	30.97	67.08	-1,439.12	3,006.84	3,287.26	3,249.54	37.71	87.162		
2,000.00	1,985.27	1,926.27	1,926.27	7.27	32.64	67.75	-1,439.12	3,006.84	3,275.59	3,235.75	39.84	82.210		
2,100.00	2,079.82	2,020.82	2,020.82	7.79	34.29	68.49	-1,439.12	3,006.84	3,262.87	3,220.87	41.99	77.705		
2,200.00	2,173.17	2,114.17	2,114.17	8.36	35.92	69.30	-1,439.12	3,006.84	3,249.17	3,205.02	44.16	73.581		
2,300.00	2,265.21	2,206.21	2,206.21	8.97	37.53	70.18	-1,439.12	3,006.84	3,234.63	3,188.28	46.35	69.789		
2,400.00	2,355.84	2,303.16	2,296.84	9.64	39.22	71.12	-1,439.12	3,006.84	3,219.37	3,170.69	48.68	66.137		
2,500.00	2,444.94	2,385.94	2,385.94	10.36	40.67	72.12	-1,439.12	3,006.84	3,203.50	3,152.69	50.82	63.042		
2,591.69	2,525.19	2,466.19	2,466.19	11.07	42.07	73.08	-1,439.12	3,006.84	3,188.56	3,135.66	52.91	60.269		
2,600.00	2,532.40	2,473.40	2,473.40	11.14	42.19	73.15	-1,439.12	3,006.84	3,187.20	3,134.10	53.10	60.027		
2,700.00	2,619.15	2,560.15	2,560.15	11.96	43.71	73.90	-1,439.12	3,006.84	3,171.14	3,115.73	55.41	57.231		
2,800.00	2,705.89	2,646.89	2,646.89	12.81	45.22	74.66	-1,439.12	3,006.84	3,155.79	3,098.04	57.75	54.645		
2,900.00	2,792.64	2,733.64	2,733.64	13.67	46.73	75.43	-1,439.12	3,006.84	3,141.15	3,081.03	60.12	52.251		
3,000.00	2,879.39	2,820.39	2,820.39	14.55	48.25	76.20	-1,439.12	3,006.84	3,127.23	3,064.73	62.50	50.032		
3,100.00	2,966.14	2,907.14	2,907.14	15.44	49.76	76.98	-1,439.12	3,006.84	3,114.05	3,049.14	64.91	47.975		
3,200.00	3,052.88	3,006.12	2,993.88	16.34	51.49	77.76	-1,439.12	3,006.84	3,101.61	3,034.06	67.54	45.920		
3,300.00	3,139.63	3,080.63	3,080.63	17.25	52.79	78.55	-1,439.12	3,006.84	3,089.92	3,020.15	69.76	44.291		
3,400.00	3,226.38	3,167.38	3,167.38	18.17	54.30	79.34	-1,439.12	3,006.84	3,078.98	3,006.78	72.21	42.640		
3,500.00	3,313.12	3,254.12	3,254.12	19.09	55.82	80.14	-1,439.12	3,006.84	3,068.82	2,994.16	74.66	41.101		
3,600.00	3,399.87	3,340.87	3,340.87	20.02	57.33	80.94	-1,439.12	3,006.84	3,059.43	2,982.30	77.13	39.667		
3,700.00	3,486.62	3,427.62	3,427.62	20.96	58.85	81.74	-1,439.12	3,006.84	3,050.83	2,971.23	79.60	38.327		
3,800.00	3,573.37	3,514.37	3,514.37	21.90	60.36	82.55	-1,439.12	3,006.84	3,043.01	2,960.93	82.08	37.075		
3,900.00	3,660.11	3,601.11	3,601.11	22.84	61.87	83.35	-1,439.12	3,006.84	3,035.99	2,951.43	84.56	35.905		
4,000.00	3,746.86	3,687.86	3,687.86	23.78	63.39	84.17	-1,439.12	3,006.84	3,029.77	2,942.72	87.04	34.808		
4,100.00	3,833.61	3,774.61	3,774.61	24.73	64.90	84.98	-1,439.12	3,006.84	3,024.35	2,934.82	89.53	33.781		
4,200.00	3,920.35	3,861.35	3,861.35	25.68	66.42	85.80	-1,439.12	3,006.84	3,019.75	2,927.73	92.02	32.817		
4,300.00	4,007.10	3,948.10	3,948.10	26.63	67.93	86.62	-1,439.12	3,006.84	3,015.95	2,921.45	94.51	31.913		
4,400.00	4,093.85	4,034.85	4,034.85	27.59	69.44	87.43	-1,439.12	3,006.84	3,012.98	2,915.98	96.99	31.064		
4,500.00	4,180.60	4,121.60	4,121.60	28.55	70.96	88.26	-1,439.12	3,006.84	3,010.82	2,911.34	99.48	30.265		
4,600.00	4,267.34	4,208.34	4,208.34	29.50	72.47	89.08	-1,439.12	3,006.84	3,009.49	2,907.52	101.97	29.515		
4,700.00	4,354.09	4,304.91	4,295.09	30.46	74.16	89.90	-1,439.12	3,006.84	3,008.98	2,904.36	104.62	28.762		
4,712.36	4,364.81	4,305.81	4,305.81	30.58	74.17	90.00	-1,439.12	3,006.84	3,008.97	2,904.22	104.75	28.724		
4,800.00	4,440.84	4,381.84	4,381.84	31.42	75.50	90.72	-1,439.12	3,006.84	3,009.28	2,902.36	106.92	28.144		
4,900.00	4,527.58	4,468.58	4,468.58	32.39	77.01	91.54	-1,439.12	3,006.84	3,010.42	2,901.02	109.40	27.518		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,614.33	4,555.33	4,555.33	33.35	78.53	92.36	-1,439.12	3,006.84	3,012.37	2,900.51	111.86	26.929		
5,100.00	4,701.08	4,642.08	4,642.08	34.31	80.04	93.18	-1,439.12	3,006.84	3,015.14	2,900.82	114.33	26.373		
5,200.00	4,787.82	4,728.82	4,728.82	35.28	81.56	94.00	-1,439.12	3,006.84	3,018.73	2,901.95	116.78	25.850		
5,300.00	4,874.57	4,815.57	4,815.57	36.25	83.07	94.82	-1,439.12	3,006.84	3,023.14	2,903.91	119.23	25.356		
5,400.00	4,961.32	4,902.32	4,902.32	37.21	84.58	95.63	-1,439.12	3,006.84	3,028.35	2,906.69	121.67	24.891		
5,500.00	5,048.07	4,989.07	4,989.07	38.18	86.10	96.45	-1,439.12	3,006.84	3,034.38	2,910.28	124.10	24.452		
5,600.00	5,134.81	5,075.81	5,075.81	39.15	87.61	97.26	-1,439.12	3,006.84	3,041.20	2,914.68	126.52	24.038		
5,700.00	5,221.56	5,162.56	5,162.56	40.12	89.13	98.06	-1,439.12	3,006.84	3,048.82	2,919.89	128.93	23.647		
5,800.00	5,308.31	5,249.31	5,249.31	41.09	90.64	98.87	-1,439.12	3,006.84	3,057.23	2,925.90	131.33	23.279		
5,900.00	5,395.05	5,336.05	5,336.05	42.06	92.15	99.67	-1,439.12	3,006.84	3,066.43	2,932.71	133.72	22.931		
6,000.00	5,481.80	5,422.80	5,422.80	43.03	93.67	100.46	-1,439.12	3,006.84	3,076.40	2,940.30	136.10	22.604		
6,100.00	5,568.55	5,509.55	5,509.55	44.00	95.18	101.26	-1,439.12	3,006.84	3,087.14	2,948.67	138.47	22.294		
6,200.00	5,655.30	5,603.70	5,603.70	44.97	96.83	102.04	-1,439.12	3,006.84	3,098.65	2,957.69	140.96	21.983		
6,300.00	5,742.04	5,683.04	5,683.04	45.94	98.21	102.83	-1,439.12	3,006.84	3,110.91	2,967.73	143.18	21.728		
6,400.00	5,828.79	5,769.79	5,769.79	46.92	99.72	103.61	-1,439.12	3,006.84	3,123.91	2,978.40	145.51	21.469		
6,500.00	5,915.54	5,856.54	5,856.54	47.89	101.24	104.38	-1,439.12	3,006.84	3,137.64	2,989.81	147.83	21.224		
6,600.00	6,002.28	5,943.28	5,943.28	48.86	102.75	105.15	-1,439.12	3,006.84	3,152.10	3,001.96	150.14	20.994		
6,700.00	6,089.03	6,030.03	6,030.03	49.83	104.27	105.91	-1,439.12	3,006.84	3,167.28	3,014.84	152.44	20.777		
6,800.00	6,175.78	6,116.78	6,116.78	50.81	105.78	106.67	-1,439.12	3,006.84	3,183.16	3,028.44	154.72	20.573		
6,900.00	6,262.53	6,203.53	6,203.53	51.78	107.29	107.42	-1,439.12	3,006.84	3,199.74	3,042.75	157.00	20.381		
7,000.00	6,349.27	6,309.73	6,290.27	52.76	109.15	108.16	-1,439.12	3,006.84	3,217.00	3,057.41	159.59	20.157		
7,100.00	6,436.02	6,377.02	6,377.02	53.73	110.32	108.90	-1,439.12	3,006.84	3,234.94	3,073.44	161.50	20.030		
7,200.00	6,522.77	6,463.77	6,463.77	54.71	111.84	109.64	-1,439.12	3,006.84	3,253.53	3,089.80	163.74	19.870		
7,300.00	6,609.51	6,550.51	6,550.51	55.68	113.35	110.36	-1,439.12	3,006.84	3,272.78	3,106.82	165.96	19.720		
7,400.00	6,696.26	6,637.26	6,637.26	56.66	114.86	111.08	-1,439.12	3,006.84	3,292.67	3,124.50	168.17	19.579		
7,500.00	6,783.01	6,724.01	6,724.01	57.63	116.38	111.79	-1,439.12	3,006.84	3,313.18	3,142.81	170.37	19.447		
7,600.00	6,869.76	6,810.76	6,810.76	58.61	117.89	112.50	-1,439.12	3,006.84	3,334.31	3,161.76	172.55	19.323		
7,683.49	6,942.18	6,883.18	6,883.18	59.42	119.16	113.08	-1,439.12	3,006.84	3,352.42	3,178.05	174.37	19.226		
7,700.00	6,956.57	6,902.43	6,897.57	59.58	119.49	110.83	-1,439.12	3,006.84	3,355.82	3,181.00	174.81	19.197		
7,750.00	7,000.85	6,941.85	6,941.85	60.04	120.18	102.96	-1,439.12	3,006.84	3,363.42	3,187.60	175.82	19.130		
7,800.00	7,045.94	6,986.94	6,986.94	60.46	120.97	93.53	-1,439.12	3,006.84	3,366.91	3,190.00	176.92	19.031		
7,850.00	7,091.49	7,032.49	7,032.49	60.84	121.76	82.95	-1,439.12	3,006.84	3,366.26	3,188.25	178.01	18.910		
7,900.00	7,137.15	7,078.15	7,078.15	61.17	122.56	71.99	-1,439.12	3,006.84	3,361.45	3,182.37	179.08	18.770		
7,950.00	7,182.58	7,123.58	7,123.58	61.44	123.35	61.53	-1,439.12	3,006.84	3,352.51	3,172.38	180.13	18.612		
8,000.00	7,227.43	7,168.43	7,168.43	61.67	124.14	52.23	-1,439.12	3,006.84	3,339.48	3,158.34	181.14	18.436		
8,050.00	7,271.36	7,212.36	7,212.36	61.84	124.90	44.34	-1,439.12	3,006.84	3,322.45	3,140.33	182.11	18.244		
8,100.00	7,314.04	7,255.04	7,255.04	61.96	125.65	37.79	-1,439.12	3,006.84	3,301.52	3,118.49	183.03	18.038		
8,150.00	7,355.14	7,303.86	7,296.14	62.04	126.50	32.36	-1,439.12	3,006.84	3,276.85	3,092.82	184.04	17.805		
8,200.00	7,394.34	7,335.34	7,335.34	62.07	127.05	27.82	-1,439.12	3,006.84	3,248.61	3,063.89	184.72	17.587		
8,250.00	7,431.36	7,372.36	7,372.36	62.06	127.69	23.92	-1,439.12	3,006.84	3,216.98	3,031.51	185.47	17.345		
8,300.00	7,465.90	7,406.90	7,406.90	62.01	128.30	20.44	-1,439.12	3,006.84	3,182.20	2,996.04	186.16	17.094		
8,350.00	7,497.71	7,438.71	7,438.71	61.93	128.85	17.18	-1,439.12	3,006.84	3,144.52	2,957.74	186.78	16.836		
8,400.00	7,526.53	7,467.53	7,467.53	61.81	129.36	13.93	-1,439.12	3,006.84	3,104.20	2,916.87	187.33	16.571		
8,450.00	7,552.17	7,506.83	7,493.17	61.66	130.04	10.41	-1,439.12	3,006.84	3,061.55	2,873.51	188.04	16.281		
8,500.00	7,574.41	7,515.41	7,515.41	61.48	130.19	6.21	-1,439.12	3,006.84	3,016.88	2,828.68	188.20	16.030		
8,550.00	7,593.09	7,534.09	7,534.09	61.29	130.52	0.62	-1,439.12	3,006.84	2,970.54	2,782.01	188.53	15.757		
8,600.00	7,608.07	7,549.07	7,549.07	61.07	130.78	-7.76	-1,439.12	3,006.84	2,922.85	2,734.08	188.77	15.484		
8,650.00	7,619.23	7,560.23	7,560.23	60.84	130.97	-21.88	-1,439.12	3,006.84	2,874.21	2,685.26	188.94	15.212		
8,700.00	7,626.48	7,567.48	7,567.48	60.60	131.10	-46.72	-1,439.12	3,006.84	2,824.96	2,635.93	189.03	14.944		
8,750.00	7,629.78	7,570.78	7,570.78	60.35	131.16	-80.14	-1,439.12	3,006.84	2,775.52	2,586.47	189.05	14.682		
8,766.45	7,630.00	7,571.00	7,571.00	60.27	131.16	-90.00	-1,439.12	3,006.84	2,759.27	2,570.24	189.03	14.597		
8,800.00	7,630.00	7,571.00	7,571.00	60.10	131.16	-90.00	-1,439.12	3,006.84	2,726.16	2,537.16	189.00	14.424		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
8,900.00	7,630.00	7,571.00	7,571.00	59.61	131.16	-90.00	-1,439.12	3,006.84	2,627.56	2,438.66	188.90	13.910		
9,000.00	7,630.00	7,571.00	7,571.00	59.15	131.16	-90.00	-1,439.12	3,006.84	2,529.07	2,340.28	188.79	13.396		
9,100.00	7,630.00	7,571.00	7,571.00	58.71	131.16	-90.00	-1,439.12	3,006.84	2,430.70	2,242.03	188.67	12.884		
9,200.00	7,630.00	7,571.00	7,571.00	58.30	131.16	-90.00	-1,439.12	3,006.84	2,332.47	2,143.93	188.54	12.371		
9,300.00	7,630.00	7,571.00	7,571.00	57.91	131.16	-90.00	-1,439.12	3,006.84	2,234.40	2,046.00	188.40	11.860		
9,400.00	7,630.00	7,571.00	7,571.00	57.54	131.16	-90.00	-1,439.12	3,006.84	2,136.50	1,948.26	188.24	11.350		
9,500.00	7,630.00	7,571.00	7,571.00	57.19	131.16	-90.00	-1,439.12	3,006.84	2,038.81	1,850.74	188.07	10.840		
9,600.00	7,630.00	7,571.00	7,571.00	56.87	131.16	-90.00	-1,439.12	3,006.84	1,941.36	1,753.47	187.89	10.332		
9,700.00	7,630.00	7,571.00	7,571.00	56.57	131.16	-90.00	-1,439.12	3,006.84	1,844.18	1,656.49	187.68	9.826		
9,800.00	7,630.00	7,571.00	7,571.00	56.30	131.16	-90.00	-1,439.12	3,006.84	1,747.31	1,559.86	187.46	9.321		
9,900.00	7,630.00	7,571.00	7,571.00	56.05	131.16	-90.00	-1,439.12	3,006.84	1,650.82	1,463.62	187.20	8.818		
10,000.00	7,630.00	7,571.00	7,571.00	55.82	131.16	-90.00	-1,439.12	3,006.84	1,554.78	1,367.86	186.91	8.318		
10,100.00	7,630.00	7,571.00	7,571.00	55.63	131.16	-90.00	-1,439.12	3,006.84	1,459.26	1,272.67	186.59	7.821		
10,200.00	7,630.00	7,571.00	7,571.00	55.46	131.16	-90.00	-1,439.12	3,006.84	1,364.39	1,178.17	186.22	7.327		
10,300.00	7,630.00	7,571.00	7,571.00	55.32	131.16	-90.00	-1,439.12	3,006.84	1,270.30	1,084.51	185.79	6.837		
10,400.00	7,630.00	7,571.00	7,571.00	55.22	131.16	-90.00	-1,439.12	3,006.84	1,177.19	991.89	185.30	6.353		
10,500.00	7,630.00	7,571.00	7,571.00	55.15	131.16	-90.00	-1,439.12	3,006.84	1,085.31	900.58	184.72	5.875		
10,600.00	7,630.00	7,571.00	7,571.00	55.14	131.16	-90.00	-1,439.12	3,006.84	994.99	810.93	184.06	5.406		
10,700.00	7,630.00	7,571.00	7,571.00	55.18	131.16	-90.00	-1,439.12	3,006.84	906.71	723.43	183.28	4.947		
10,800.00	7,630.00	7,571.00	7,571.00	55.28	131.16	-90.00	-1,439.12	3,006.84	821.12	638.73	182.38	4.502		
10,900.00	7,630.00	7,571.00	7,571.00	55.47	131.16	-90.00	-1,439.12	3,006.84	739.15	557.79	181.37	4.075		
11,000.00	7,630.00	7,571.00	7,571.00	55.74	131.16	-90.00	-1,439.12	3,006.84	662.16	481.89	180.28	3.673		
11,100.00	7,630.00	7,571.00	7,571.00	56.11	131.16	-90.00	-1,439.12	3,006.84	592.09	412.84	179.25	3.303		
11,200.00	7,630.00	7,571.00	7,571.00	56.60	131.16	-90.00	-1,439.12	3,006.84	531.68	353.08	178.60	2.977		
11,300.00	7,630.00	7,571.00	7,571.00	57.20	131.16	-90.00	-1,439.12	3,006.84	484.56	305.69	178.87	2.709		
11,400.00	7,630.00	7,571.00	7,571.00	57.91	131.16	-90.00	-1,439.12	3,006.84	454.87	274.31	180.56	2.519		
11,489.43	7,630.00	7,571.00	7,571.00	58.63	131.16	-90.00	-1,439.12	3,006.84	446.00	262.72	183.28	2.433 CC		
11,500.00	7,630.00	7,571.00	7,571.00	58.72	131.16	-90.00	-1,439.12	3,006.84	446.12	262.47	183.65	2.429 ES, SF		
11,600.00	7,630.00	7,571.00	7,571.00	59.63	131.16	-90.00	-1,439.12	3,006.84	459.50	272.25	187.25	2.454		
11,700.00	7,630.00	7,571.00	7,571.00	60.61	131.16	-90.00	-1,439.12	3,006.84	493.20	302.84	190.37	2.591		
11,800.00	7,630.00	7,571.00	7,571.00	61.67	131.16	-90.00	-1,439.12	3,006.84	543.47	350.90	192.57	2.822		
11,900.00	7,630.00	7,571.00	7,571.00	62.78	131.16	-90.00	-1,439.12	3,006.84	606.20	412.26	193.93	3.126		
12,000.00	7,630.00	7,571.00	7,571.00	63.95	131.16	-90.00	-1,439.12	3,006.84	677.93	483.24	194.69	3.482		
12,100.00	7,630.00	7,571.00	7,571.00	65.16	131.16	-90.00	-1,439.12	3,006.84	756.11	561.04	195.07	3.876		
12,200.00	7,630.00	7,571.00	7,571.00	66.41	131.16	-90.00	-1,439.12	3,006.84	838.94	643.72	195.22	4.297		
12,300.00	7,630.00	7,571.00	7,571.00	67.68	131.16	-90.00	-1,439.12	3,006.84	925.16	729.93	195.23	4.739		
12,400.00	7,630.00	7,571.00	7,571.00	68.99	131.16	-90.00	-1,439.12	3,006.84	1,013.92	818.75	195.18	5.195		
12,500.00	7,630.00	7,571.00	7,571.00	70.33	131.16	-90.00	-1,439.12	3,006.84	1,104.61	909.52	195.08	5.662		
12,600.00	7,630.00	7,571.00	7,571.00	71.68	131.16	-90.00	-1,439.12	3,006.84	1,196.77	1,001.80	194.97	6.138		
12,700.00	7,630.00	7,571.00	7,571.00	73.06	131.16	-90.00	-1,439.12	3,006.84	1,290.11	1,095.26	194.85	6.621		
12,800.00	7,630.00	7,571.00	7,571.00	74.45	131.16	-90.00	-1,439.12	3,006.84	1,384.37	1,189.65	194.73	7.109		
12,900.00	7,630.00	7,571.00	7,571.00	75.87	131.16	-90.00	-1,439.12	3,006.84	1,479.39	1,284.78	194.61	7.602		
13,000.00	7,630.00	7,571.00	7,571.00	77.29	131.16	-90.00	-1,439.12	3,006.84	1,575.03	1,380.53	194.50	8.098		
13,100.00	7,630.00	7,571.00	7,571.00	78.74	131.16	-90.00	-1,439.12	3,006.84	1,671.18	1,476.78	194.39	8.597		
13,200.00	7,630.00	7,571.00	7,571.00	80.19	131.16	-90.00	-1,439.12	3,006.84	1,767.75	1,573.46	194.29	9.098		
13,300.00	7,630.00	7,571.00	7,571.00	81.66	131.16	-90.00	-1,439.12	3,006.84	1,864.69	1,670.48	194.20	9.602		
13,400.00	7,630.00	7,571.00	7,571.00	83.14	131.16	-90.00	-1,439.12	3,006.84	1,961.93	1,767.81	194.12	10.107		
13,500.00	7,630.00	7,571.00	7,571.00	84.63	131.16	-90.00	-1,439.12	3,006.84	2,059.44	1,865.40	194.04	10.614		
13,600.00	7,630.00	7,571.00	7,571.00	86.14	131.16	-90.00	-1,439.12	3,006.84	2,157.17	1,963.21	193.97	11.121		
13,700.00	7,630.00	7,571.00	7,571.00	87.65	131.16	-90.00	-1,439.12	3,006.84	2,255.11	2,061.21	193.90	11.630		
13,800.00	7,630.00	7,571.00	7,571.00	89.17	131.16	-90.00	-1,439.12	3,006.84	2,353.22	2,159.38	193.84	12.140		
13,900.00	7,630.00	7,571.00	7,571.00	90.70	131.16	-90.00	-1,439.12	3,006.84	2,451.48	2,257.69	193.78	12.651		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
14,000.00	7,630.00	7,571.00	7,571.00	92.24	131.16	-90.00	-1,439.12	3,006.84	2,549.87	2,356.14	193.73	13.162		
14,100.00	7,630.00	7,571.00	7,571.00	93.78	131.16	-90.00	-1,439.12	3,006.84	2,648.39	2,454.70	193.69	13.674		
14,200.00	7,630.00	7,571.00	7,571.00	95.33	131.16	-90.00	-1,439.12	3,006.84	2,747.01	2,553.37	193.64	14.186		
14,300.00	7,630.00	7,571.00	7,571.00	96.89	131.16	-90.00	-1,439.12	3,006.84	2,845.73	2,652.13	193.60	14.699		
14,400.00	7,630.00	7,571.00	7,571.00	98.46	131.16	-90.00	-1,439.12	3,006.84	2,944.54	2,750.97	193.57	15.212		
14,500.00	7,630.00	7,571.00	7,571.00	100.03	131.16	-90.00	-1,439.12	3,006.84	3,043.42	2,849.89	193.54	15.725		
14,600.00	7,630.00	7,571.00	7,571.00	101.61	131.16	-90.00	-1,439.12	3,006.84	3,142.38	2,948.87	193.51	16.239		
14,700.00	7,630.00	7,571.00	7,571.00	103.20	131.16	-90.00	-1,439.12	3,006.84	3,241.40	3,047.91	193.48	16.753		
14,800.00	7,630.00	7,571.00	7,571.00	104.78	131.16	-90.00	-1,439.12	3,006.84	3,340.47	3,147.01	193.46	17.267		
14,900.00	7,630.00	7,571.00	7,571.00	106.38	131.16	-90.00	-1,439.12	3,006.84	3,439.60	3,246.17	193.44	17.781		
15,000.00	7,630.00	7,571.00	7,571.00	107.98	131.16	-90.00	-1,439.12	3,006.84	3,538.78	3,345.36	193.42	18.296		
15,100.00	7,630.00	7,571.00	7,571.00	109.58	131.16	-90.00	-1,439.12	3,006.84	3,638.01	3,444.60	193.40	18.811		
15,200.00	7,630.00	7,571.00	7,571.00	111.19	131.16	-90.00	-1,439.12	3,006.84	3,737.27	3,543.88	193.39	19.325		
15,300.00	7,630.00	7,571.00	7,571.00	112.81	131.16	-90.00	-1,439.12	3,006.84	3,836.58	3,643.20	193.38	19.840		
15,400.00	7,630.00	7,571.00	7,571.00	114.42	131.16	-90.00	-1,439.12	3,006.84	3,935.92	3,742.55	193.37	20.355		
15,500.00	7,630.00	7,571.00	7,571.00	116.05	131.16	-90.00	-1,439.12	3,006.84	4,035.29	3,841.93	193.36	20.869		
15,600.00	7,630.00	7,571.00	7,571.00	117.67	131.16	-90.00	-1,439.12	3,006.84	4,134.69	3,941.34	193.35	21.384		
15,700.00	7,630.00	7,571.00	7,571.00	119.30	131.16	-90.00	-1,439.12	3,006.84	4,234.12	4,040.77	193.35	21.899		
15,800.00	7,630.00	7,571.00	7,571.00	120.93	131.16	-90.00	-1,439.12	3,006.84	4,333.58	4,140.23	193.34	22.414		
15,900.00	7,630.00	7,571.00	7,571.00	122.57	131.16	-90.00	-1,439.12	3,006.84	4,433.06	4,239.71	193.34	22.928		
16,000.00	7,630.00	7,571.00	7,571.00	124.21	131.16	-90.00	-1,439.12	3,006.84	4,532.56	4,339.22	193.34	23.443		
16,100.00	7,630.00	7,571.00	7,571.00	125.85	131.16	-90.00	-1,439.12	3,006.84	4,632.09	4,438.74	193.34	23.958		
16,200.00	7,630.00	7,571.00	7,571.00	127.50	131.16	-90.00	-1,439.12	3,006.84	4,731.63	4,538.28	193.35	24.472		
16,300.00	7,630.00	7,571.00	7,571.00	129.15	131.16	-90.00	-1,439.12	3,006.84	4,831.20	4,637.84	193.35	24.987		
16,400.00	7,630.00	7,571.00	7,571.00	130.80	131.16	-90.00	-1,439.12	3,006.84	4,930.78	4,737.42	193.36	25.501		
16,500.00	7,630.00	7,571.00	7,571.00	132.46	131.16	-90.00	-1,439.12	3,006.84	5,030.38	4,837.01	193.36	26.015		
16,600.00	7,630.00	7,571.00	7,571.00	134.11	131.16	-90.00	-1,439.12	3,006.84	5,129.99	4,936.62	193.37	26.529		
16,700.00	7,630.00	7,571.00	7,571.00	135.77	131.16	-90.00	-1,439.12	3,006.84	5,229.62	5,036.24	193.38	27.043		
16,800.00	7,630.00	7,571.00	7,571.00	137.43	131.16	-90.00	-1,439.12	3,006.84	5,329.26	5,135.87	193.39	27.557		
16,900.00	7,630.00	7,571.00	7,571.00	139.10	131.16	-90.00	-1,439.12	3,006.84	5,428.92	5,235.52	193.40	28.071		
17,000.00	7,630.00	7,571.00	7,571.00	140.77	131.16	-90.00	-1,439.12	3,006.84	5,528.58	5,335.17	193.41	28.585		
17,100.00	7,630.00	7,571.00	7,571.00	142.44	131.16	-90.00	-1,439.12	3,006.84	5,628.26	5,434.84	193.42	29.098		
17,200.00	7,630.00	7,571.00	7,571.00	144.11	131.16	-90.00	-1,439.12	3,006.84	5,727.96	5,534.52	193.44	29.611		
17,300.00	7,630.00	7,571.00	7,571.00	145.78	131.16	-90.00	-1,439.12	3,006.84	5,827.66	5,634.20	193.45	30.125		
17,400.00	7,630.00	7,571.00	7,571.00	147.46	131.16	-90.00	-1,439.12	3,006.84	5,927.37	5,733.90	193.47	30.638		
17,500.00	7,630.00	7,571.00	7,571.00	149.13	131.16	-90.00	-1,439.12	3,006.84	6,027.09	5,833.61	193.48	31.150		
17,600.00	7,630.00	7,571.00	7,571.00	150.81	131.16	-90.00	-1,439.12	3,006.84	6,126.82	5,933.32	193.50	31.663		
17,700.00	7,630.00	7,571.00	7,571.00	152.49	131.16	-90.00	-1,439.12	3,006.84	6,226.56	6,033.04	193.52	32.175		
17,800.00	7,630.00	7,571.00	7,571.00	154.18	131.16	-90.00	-1,439.12	3,006.84	6,326.31	6,132.77	193.54	32.688		
17,900.00	7,630.00	7,571.00	7,571.00	155.86	131.16	-90.00	-1,439.12	3,006.84	6,426.06	6,232.50	193.56	33.200		
18,000.00	7,630.00	7,571.00	7,571.00	157.55	131.16	-90.00	-1,439.12	3,006.84	6,525.82	6,332.25	193.58	33.711		
18,100.00	7,630.00	7,571.00	7,571.00	159.24	131.16	-90.00	-1,439.12	3,006.84	6,625.59	6,431.99	193.60	34.223		
18,200.00	7,630.00	7,571.00	7,571.00	160.92	131.16	-90.00	-1,439.12	3,006.84	6,725.37	6,531.75	193.62	34.735		
18,300.00	7,630.00	7,571.00	7,571.00	162.62	131.16	-90.00	-1,439.12	3,006.84	6,825.15	6,631.51	193.64	35.246		
18,400.00	7,630.00	7,571.00	7,571.00	164.31	131.16	-90.00	-1,439.12	3,006.84	6,924.94	6,731.27	193.67	35.757		
18,458.39	7,630.00	7,571.00	7,571.00	165.30	131.16	-90.00	-1,439.12	3,006.84	6,983.21	6,789.53	193.68	36.055		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	108.47	-1,435.29	4,297.73	4,531.22					
100.00	100.00	62.00	62.00	0.13	0.47	108.47	-1,435.29	4,297.73	4,531.06	4,530.46	0.61	7,487.591		
200.00	200.00	162.00	162.00	0.49	1.84	108.47	-1,435.29	4,297.73	4,531.06	4,528.73	2.33	1,941.145		
300.00	300.00	262.00	262.00	0.85	3.59	108.47	-1,435.29	4,297.73	4,531.06	4,526.62	4.44	1,020.964		
400.00	400.00	362.00	362.00	1.21	5.33	108.47	-1,435.29	4,297.73	4,531.06	4,524.52	6.54	692.630		
500.00	500.00	462.00	462.00	1.57	7.08	108.47	-1,435.29	4,297.73	4,531.06	4,522.42	8.65	524.087		
600.00	600.00	562.00	562.00	1.93	8.82	108.47	-1,435.29	4,297.73	4,531.06	4,520.31	10.75	421.517		
700.00	700.00	662.00	662.00	2.29	10.57	108.47	-1,435.29	4,297.73	4,531.06	4,518.21	12.85	352.523		
800.00	800.00	762.00	762.00	2.64	12.31	108.47	-1,435.29	4,297.73	4,531.06	4,516.11	14.96	302.939		
900.00	900.00	862.00	862.00	3.00	14.06	108.47	-1,435.29	4,297.73	4,531.06	4,514.00	17.06	265.583		
1,000.00	1,000.00	962.00	962.00	3.36	15.80	108.47	-1,435.29	4,297.73	4,531.06	4,511.90	19.16	236.428		
1,100.00	1,100.00	1,062.00	1,062.00	3.72	17.55	108.47	-1,435.29	4,297.73	4,531.06	4,509.79	21.27	213.042		
1,200.00	1,199.98	1,161.98	1,161.98	4.07	19.29	57.43	-1,435.29	4,297.73	4,530.12	4,506.75	23.37	193.857		
1,300.00	1,299.84	1,261.84	1,261.84	4.43	21.04	57.54	-1,435.29	4,297.73	4,527.31	4,501.84	25.46	177.792		
1,400.00	1,399.45	1,361.45	1,361.45	4.79	22.78	57.71	-1,435.29	4,297.73	4,522.63	4,495.07	27.56	164.112		
1,500.00	1,498.70	1,460.70	1,460.70	5.15	24.51	57.95	-1,435.29	4,297.73	4,516.10	4,486.45	29.65	152.307		
1,600.00	1,597.47	1,559.47	1,559.47	5.53	26.23	58.26	-1,435.29	4,297.73	4,507.76	4,476.02	31.74	142.001		
1,700.00	1,695.62	1,657.62	1,657.62	5.93	27.94	58.64	-1,435.29	4,297.73	4,497.64	4,463.80	33.84	132.909		
1,800.00	1,793.06	1,755.06	1,755.06	6.35	29.65	59.08	-1,435.29	4,297.73	4,485.79	4,449.85	35.94	124.816		
1,900.00	1,889.64	1,851.64	1,851.64	6.79	31.33	59.59	-1,435.29	4,297.73	4,472.25	4,434.20	38.05	117.550		
2,000.00	1,985.27	1,947.27	1,947.27	7.27	33.00	60.17	-1,435.29	4,297.73	4,457.08	4,416.92	40.16	110.980		
2,100.00	2,079.82	2,041.82	2,041.82	7.79	34.65	60.82	-1,435.29	4,297.73	4,440.36	4,398.07	42.29	105.000		
2,200.00	2,173.17	2,135.17	2,135.17	8.36	36.28	61.53	-1,435.29	4,297.73	4,422.16	4,377.73	44.43	99.524		
2,300.00	2,265.21	2,227.21	2,227.21	8.97	37.89	62.30	-1,435.29	4,297.73	4,402.57	4,355.97	46.60	94.485		
2,400.00	2,355.84	2,317.84	2,317.84	9.64	39.47	63.14	-1,435.29	4,297.73	4,381.66	4,332.89	48.78	89.826		
2,500.00	2,444.94	2,406.94	2,406.94	10.36	41.02	64.03	-1,435.29	4,297.73	4,359.55	4,308.57	50.99	85.503		
2,591.69	2,525.19	2,487.19	2,487.19	11.07	42.42	64.90	-1,435.29	4,297.73	4,338.31	4,285.28	53.04	81.800		
2,600.00	2,532.40	2,505.60	2,494.40	11.14	42.74	64.94	-1,435.29	4,297.73	4,336.35	4,282.93	53.42	81.178		
2,700.00	2,619.15	2,581.15	2,581.15	11.96	44.06	65.47	-1,435.29	4,297.73	4,312.97	4,257.48	55.49	77.731		
2,800.00	2,705.89	2,667.89	2,667.89	12.81	45.58	66.01	-1,435.29	4,297.73	4,290.04	4,232.26	57.78	74.252		
2,900.00	2,792.64	2,754.64	2,754.64	13.67	47.09	66.56	-1,435.29	4,297.73	4,267.56	4,207.47	60.09	71.016		
3,000.00	2,879.39	2,841.39	2,841.39	14.55	48.61	67.10	-1,435.29	4,297.73	4,245.55	4,183.12	62.43	68.005		
3,100.00	2,966.14	2,928.14	2,928.14	15.44	50.12	67.66	-1,435.29	4,297.73	4,224.01	4,159.22	64.79	65.200		
3,200.00	3,052.88	3,014.88	3,014.88	16.34	51.63	68.21	-1,435.29	4,297.73	4,202.95	4,135.79	67.16	62.582		
3,300.00	3,139.63	3,101.63	3,101.63	17.25	53.15	68.77	-1,435.29	4,297.73	4,182.37	4,112.82	69.55	60.136		
3,400.00	3,226.38	3,188.38	3,188.38	18.17	54.66	69.34	-1,435.29	4,297.73	4,162.29	4,090.34	71.95	57.849		
3,500.00	3,313.12	3,275.12	3,275.12	19.09	56.18	69.91	-1,435.29	4,297.73	4,142.70	4,068.34	74.37	55.706		
3,600.00	3,399.87	3,361.87	3,361.87	20.02	57.69	70.48	-1,435.29	4,297.73	4,123.63	4,046.83	76.79	53.697		
3,700.00	3,486.62	3,448.62	3,448.62	20.96	59.20	71.06	-1,435.29	4,297.73	4,105.07	4,025.83	79.23	51.810		
3,800.00	3,573.37	3,535.37	3,535.37	21.90	60.72	71.64	-1,435.29	4,297.73	4,087.03	4,005.34	81.68	50.036		
3,900.00	3,660.11	3,622.11	3,622.11	22.84	62.23	72.22	-1,435.29	4,297.73	4,069.51	3,985.37	84.14	48.367		
4,000.00	3,746.86	3,708.86	3,708.86	23.78	63.75	72.81	-1,435.29	4,297.73	4,052.54	3,965.93	86.61	46.793		
4,100.00	3,833.61	3,804.39	3,795.61	24.73	65.41	73.41	-1,435.29	4,297.73	4,036.10	3,946.87	89.23	45.231		
4,200.00	3,920.35	3,882.35	3,882.35	25.68	66.77	74.00	-1,435.29	4,297.73	4,020.21	3,928.65	91.56	43.907		
4,300.00	4,007.10	3,969.10	3,969.10	26.63	68.29	74.60	-1,435.29	4,297.73	4,004.88	3,910.83	94.05	42.583		
4,400.00	4,093.85	4,055.85	4,055.85	27.59	69.80	75.21	-1,435.29	4,297.73	3,990.11	3,893.57	96.54	41.330		
4,500.00	4,180.60	4,142.60	4,142.60	28.55	71.32	75.82	-1,435.29	4,297.73	3,975.91	3,876.87	99.04	40.143		
4,600.00	4,267.34	4,229.34	4,229.34	29.50	72.83	76.43	-1,435.29	4,297.73	3,962.28	3,860.73	101.55	39.018		
4,700.00	4,354.09	4,316.09	4,316.09	30.46	74.34	77.04	-1,435.29	4,297.73	3,949.23	3,845.17	104.06	37.952		
4,800.00	4,440.84	4,402.84	4,402.84	31.42	75.86	77.66	-1,435.29	4,297.73	3,936.77	3,830.20	106.57	36.940		
4,900.00	4,527.58	4,489.58	4,489.58	32.39	77.37	78.28	-1,435.29	4,297.73	3,924.90	3,815.81	109.09	35.978		
5,000.00	4,614.33	4,576.33	4,576.33	33.35	78.89	78.90	-1,435.29	4,297.73	3,913.62	3,802.01	111.61	35.065		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,701.08	4,663.08	4,663.08	34.31	80.40	79.52	-1,435.29	4,297.73	3,902.94	3,788.81	114.13	34.196		
5,200.00	4,787.82	4,749.82	4,749.82	35.28	81.91	80.15	-1,435.29	4,297.73	3,892.88	3,776.22	116.66	33.370		
5,300.00	4,874.57	4,836.57	4,836.57	36.25	83.43	80.78	-1,435.29	4,297.73	3,883.42	3,764.23	119.19	32.583		
5,400.00	4,961.32	4,923.32	4,923.32	37.21	84.94	81.41	-1,435.29	4,297.73	3,874.58	3,752.86	121.71	31.833		
5,500.00	5,048.07	5,010.07	5,010.07	38.18	86.46	82.05	-1,435.29	4,297.73	3,866.36	3,742.11	124.24	31.119		
5,600.00	5,134.81	5,103.19	5,096.81	39.15	88.08	82.68	-1,435.29	4,297.73	3,858.76	3,731.88	126.88	30.412		
5,700.00	5,221.56	5,183.56	5,183.56	40.12	89.48	83.32	-1,435.29	4,297.73	3,851.79	3,722.49	129.30	29.790		
5,800.00	5,308.31	5,270.31	5,270.31	41.09	91.00	83.96	-1,435.29	4,297.73	3,845.45	3,713.62	131.83	29.170		
5,900.00	5,395.05	5,357.05	5,357.05	42.06	92.51	84.60	-1,435.29	4,297.73	3,839.75	3,705.39	134.35	28.580		
6,000.00	5,481.80	5,443.80	5,443.80	43.03	94.03	85.25	-1,435.29	4,297.73	3,834.68	3,697.80	136.88	28.015		
6,100.00	5,568.55	5,530.55	5,530.55	44.00	95.54	85.89	-1,435.29	4,297.73	3,830.25	3,690.85	139.40	27.477		
6,200.00	5,655.30	5,617.30	5,617.30	44.97	97.05	86.53	-1,435.29	4,297.73	3,826.47	3,684.55	141.92	26.963		
6,300.00	5,742.04	5,704.04	5,704.04	45.94	98.57	87.18	-1,435.29	4,297.73	3,823.32	3,678.89	144.43	26.471		
6,400.00	5,828.79	5,809.21	5,790.79	46.92	100.40	87.83	-1,435.29	4,297.73	3,820.82	3,673.56	147.27	25.945		
6,500.00	5,915.54	5,877.54	5,877.54	47.89	101.60	88.47	-1,435.29	4,297.73	3,818.97	3,669.52	149.45	25.553		
6,600.00	6,002.28	5,964.28	5,964.28	48.86	103.11	89.12	-1,435.29	4,297.73	3,817.77	3,665.81	151.96	25.124		
6,700.00	6,089.03	6,051.03	6,051.03	49.83	104.62	89.77	-1,435.29	4,297.73	3,817.21	3,662.76	154.45	24.714		
6,735.69	6,119.99	6,081.99	6,081.99	50.18	105.16	90.00	-1,435.29	4,297.73	3,817.17	3,661.83	155.34	24.572		
6,800.00	6,175.78	6,137.78	6,137.78	50.81	106.14	90.42	-1,435.29	4,297.73	3,817.31	3,660.36	156.95	24.322		
6,900.00	6,262.53	6,224.53	6,224.53	51.78	107.65	91.06	-1,435.29	4,297.73	3,818.05	3,658.62	159.43	23.948		
7,000.00	6,349.27	6,311.27	6,311.27	52.76	109.17	91.71	-1,435.29	4,297.73	3,819.44	3,657.52	161.91	23.589		
7,100.00	6,436.02	6,401.98	6,398.02	53.73	110.75	92.36	-1,435.29	4,297.73	3,821.47	3,657.02	164.46	23.237		
7,200.00	6,522.77	6,484.77	6,484.77	54.71	112.19	93.00	-1,435.29	4,297.73	3,824.16	3,657.30	166.85	22.919		
7,300.00	6,609.51	6,571.51	6,571.51	55.68	113.71	93.65	-1,435.29	4,297.73	3,827.48	3,658.17	169.31	22.606		
7,400.00	6,696.26	6,658.26	6,658.26	56.66	115.22	94.30	-1,435.29	4,297.73	3,831.45	3,659.69	171.76	22.307		
7,500.00	6,783.01	6,745.01	6,745.01	57.63	116.74	94.94	-1,435.29	4,297.73	3,836.06	3,661.86	174.20	22.020		
7,600.00	6,869.76	6,831.76	6,831.76	58.61	118.25	95.58	-1,435.29	4,297.73	3,841.32	3,664.68	176.64	21.747		
7,683.49	6,942.18	6,904.18	6,904.18	59.42	119.51	96.12	-1,435.29	4,297.73	3,846.19	3,667.52	178.66	21.527		
7,700.00	6,956.57	6,918.57	6,918.57	59.58	119.77	93.83	-1,435.29	4,297.73	3,846.99	3,667.93	179.06	21.484		
7,750.00	7,000.85	6,962.85	6,962.85	60.04	120.54	85.76	-1,435.29	4,297.73	3,847.00	3,666.73	180.27	21.340		
7,800.00	7,045.94	7,007.94	7,007.94	60.46	121.33	76.05	-1,435.29	4,297.73	3,843.30	3,661.85	181.46	21.180		
7,850.00	7,091.49	7,053.49	7,053.49	60.84	122.12	65.07	-1,435.29	4,297.73	3,835.91	3,653.29	182.62	21.005		
7,900.00	7,137.15	7,100.85	7,099.15	61.17	122.95	53.58	-1,435.29	4,297.73	3,824.84	3,641.07	183.77	20.813		
7,950.00	7,182.58	7,144.58	7,144.58	61.44	123.71	42.46	-1,435.29	4,297.73	3,810.15	3,625.34	184.81	20.616		
8,000.00	7,227.43	7,189.43	7,189.43	61.67	124.49	32.33	-1,435.29	4,297.73	3,791.93	3,606.09	185.84	20.405		
8,050.00	7,271.36	7,233.36	7,233.36	61.84	125.26	23.41	-1,435.29	4,297.73	3,770.28	3,583.48	186.80	20.184		
8,100.00	7,314.04	7,276.04	7,276.04	61.96	126.00	15.61	-1,435.29	4,297.73	3,745.36	3,557.66	187.69	19.954		
8,150.00	7,355.14	7,317.14	7,317.14	62.04	126.72	8.66	-1,435.29	4,297.73	3,717.33	3,528.81	188.52	19.718		
8,200.00	7,394.34	7,356.34	7,356.34	62.07	127.41	2.26	-1,435.29	4,297.73	3,686.41	3,497.14	189.27	19.477		
8,250.00	7,431.36	7,406.64	7,393.36	62.06	128.28	-3.89	-1,435.29	4,297.73	3,652.82	3,462.64	190.18	19.207		
8,300.00	7,465.90	7,427.90	7,427.90	62.01	128.66	-10.08	-1,435.29	4,297.73	3,616.82	3,426.28	190.54	18.982		
8,350.00	7,497.71	7,459.71	7,459.71	61.93	129.21	-16.58	-1,435.29	4,297.73	3,578.69	3,387.65	191.04	18.732		
8,400.00	7,526.53	7,488.53	7,488.53	61.81	129.71	-23.65	-1,435.29	4,297.73	3,538.73	3,347.27	191.46	18.483		
8,450.00	7,552.17	7,514.17	7,514.17	61.66	130.16	-31.50	-1,435.29	4,297.73	3,497.27	3,305.48	191.79	18.235		
8,500.00	7,574.41	7,536.41	7,536.41	61.48	130.55	-40.25	-1,435.29	4,297.73	3,454.64	3,262.62	192.02	17.991		
8,550.00	7,593.09	7,555.09	7,555.09	61.29	130.88	-49.83	-1,435.29	4,297.73	3,411.21	3,219.05	192.16	17.752		
8,600.00	7,608.07	7,570.07	7,570.07	61.07	131.14	-59.92	-1,435.29	4,297.73	3,367.33	3,175.12	192.21	17.519		
8,650.00	7,619.23	7,581.23	7,581.23	60.84	131.33	-69.96	-1,435.29	4,297.73	3,323.38	3,131.22	192.16	17.295		
8,700.00	7,626.48	7,588.48	7,588.48	60.60	131.46	-79.33	-1,435.29	4,297.73	3,279.74	3,087.72	192.02	17.080		
8,750.00	7,629.78	7,608.22	7,591.78	60.35	131.80	-87.58	-1,435.29	4,297.73	3,236.79	3,044.71	192.08	16.851		
8,766.45	7,630.00	7,608.00	7,592.00	60.27	131.80	-90.00	-1,435.29	4,297.73	3,222.87	3,030.90	191.98	16.788		
8,800.00	7,630.00	7,608.00	7,592.00	60.10	131.80	-90.00	-1,435.29	4,297.73	3,194.66	3,002.89	191.77	16.659		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
8,900.00	7,630.00	7,608.00	7,592.00	59.61	131.80	-90.00	-1,435.29	4,297.73	3,111.20	2,920.07	191.14	16.278		
9,000.00	7,630.00	7,608.00	7,592.00	59.15	131.80	-90.00	-1,435.29	4,297.73	3,028.75	2,838.28	190.47	15.902		
9,100.00	7,630.00	7,608.00	7,592.00	58.71	131.80	-90.00	-1,435.29	4,297.73	2,947.39	2,757.61	189.77	15.531		
9,200.00	7,630.00	7,608.00	7,592.00	58.30	131.80	-90.00	-1,435.29	4,297.73	2,867.20	2,678.16	189.04	15.167		
9,300.00	7,630.00	7,608.00	7,592.00	57.91	131.80	-90.00	-1,435.29	4,297.73	2,788.29	2,600.02	188.27	14.810		
9,400.00	7,630.00	7,608.00	7,592.00	57.54	131.80	-90.00	-1,435.29	4,297.73	2,710.78	2,523.31	187.47	14.460		
9,500.00	7,630.00	7,608.00	7,592.00	57.19	131.80	-90.00	-1,435.29	4,297.73	2,634.78	2,448.14	186.64	14.117		
9,600.00	7,630.00	7,608.00	7,592.00	56.87	131.80	-90.00	-1,435.29	4,297.73	2,560.43	2,374.65	185.78	13.782		
9,700.00	7,630.00	7,608.00	7,592.00	56.57	131.80	-90.00	-1,435.29	4,297.73	2,487.88	2,302.99	184.89	13.456		
9,800.00	7,630.00	7,608.00	7,592.00	56.30	131.80	-90.00	-1,435.29	4,297.73	2,417.30	2,233.31	183.99	13.138		
9,900.00	7,630.00	7,608.00	7,592.00	56.05	131.80	-90.00	-1,435.29	4,297.73	2,348.84	2,165.78	183.07	12.831		
10,000.00	7,630.00	7,608.00	7,592.00	55.82	131.80	-90.00	-1,435.29	4,297.73	2,282.72	2,100.58	182.14	12.533		
10,100.00	7,630.00	7,608.00	7,592.00	55.63	131.80	-90.00	-1,435.29	4,297.73	2,219.14	2,037.90	181.23	12.245		
10,200.00	7,630.00	7,608.00	7,592.00	55.46	131.80	-90.00	-1,435.29	4,297.73	2,158.31	1,977.96	180.35	11.967		
10,300.00	7,630.00	7,608.00	7,592.00	55.32	131.80	-90.00	-1,435.29	4,297.73	2,100.49	1,920.96	179.53	11.700		
10,400.00	7,630.00	7,608.00	7,592.00	55.22	131.80	-90.00	-1,435.29	4,297.73	2,045.92	1,867.14	178.78	11.444		
10,500.00	7,630.00	7,608.00	7,592.00	55.15	131.80	-90.00	-1,435.29	4,297.73	1,994.88	1,816.73	178.15	11.198		
10,600.00	7,630.00	7,608.00	7,592.00	55.14	131.80	-90.00	-1,435.29	4,297.73	1,947.64	1,769.98	177.66	10.962		
10,700.00	7,630.00	7,608.00	7,592.00	55.18	131.80	-90.00	-1,435.29	4,297.73	1,904.48	1,727.12	177.36	10.738		
10,800.00	7,630.00	7,608.00	7,592.00	55.28	131.80	-90.00	-1,435.29	4,297.73	1,865.69	1,688.41	177.28	10.524		
10,900.00	7,630.00	7,608.00	7,592.00	55.47	131.80	-90.00	-1,435.29	4,297.73	1,831.54	1,654.09	177.45	10.321		
11,000.00	7,630.00	7,608.00	7,592.00	55.74	131.80	-90.00	-1,435.29	4,297.73	1,802.30	1,624.40	177.90	10.131		
11,100.00	7,630.00	7,608.00	7,592.00	56.11	131.80	-90.00	-1,435.29	4,297.73	1,778.21	1,599.58	178.63	9.955		
11,200.00	7,630.00	7,608.00	7,592.00	56.60	131.80	-90.00	-1,435.29	4,297.73	1,759.49	1,579.84	179.65	9.794		
11,300.00	7,630.00	7,608.00	7,592.00	57.20	131.80	-90.00	-1,435.29	4,297.73	1,746.29	1,565.36	180.93	9.652		
11,400.00	7,630.00	7,608.00	7,592.00	57.91	131.80	-90.00	-1,435.29	4,297.73	1,738.76	1,556.32	182.44	9.530		
11,481.26	7,630.00	7,608.00	7,592.00	58.56	131.80	-90.00	-1,435.29	4,297.73	1,736.86	1,553.04	183.82	9.449 CC		
11,500.00	7,630.00	7,608.00	7,592.00	58.72	131.80	-90.00	-1,435.29	4,297.73	1,736.96	1,552.81	184.15	9.432 ES		
11,600.00	7,630.00	7,608.00	7,592.00	59.63	131.80	-90.00	-1,435.29	4,297.73	1,740.92	1,554.92	186.00	9.360		
11,700.00	7,630.00	7,608.00	7,592.00	60.61	131.80	-90.00	-1,435.29	4,297.73	1,750.58	1,562.64	187.94	9.315		
11,800.00	7,630.00	7,608.00	7,592.00	61.67	131.80	-90.00	-1,435.29	4,297.73	1,765.87	1,575.94	189.92	9.298 SF		
11,900.00	7,630.00	7,608.00	7,592.00	62.78	131.80	-90.00	-1,435.29	4,297.73	1,786.63	1,594.72	191.90	9.310		
12,000.00	7,630.00	7,608.00	7,592.00	63.95	131.80	-90.00	-1,435.29	4,297.73	1,812.67	1,618.83	193.84	9.351		
12,100.00	7,630.00	7,608.00	7,592.00	65.16	131.80	-90.00	-1,435.29	4,297.73	1,843.78	1,648.07	195.71	9.421		
12,200.00	7,630.00	7,608.00	7,592.00	66.41	131.80	-90.00	-1,435.29	4,297.73	1,879.70	1,682.21	197.49	9.518		
12,300.00	7,630.00	7,608.00	7,592.00	67.68	131.80	-90.00	-1,435.29	4,297.73	1,920.16	1,721.01	199.15	9.642		
12,400.00	7,630.00	7,608.00	7,592.00	68.99	131.80	-90.00	-1,435.29	4,297.73	1,964.89	1,764.18	200.70	9.790		
12,500.00	7,630.00	7,608.00	7,592.00	70.33	131.80	-90.00	-1,435.29	4,297.73	2,013.58	1,811.46	202.12	9.962		
12,600.00	7,630.00	7,608.00	7,592.00	71.68	131.80	-90.00	-1,435.29	4,297.73	2,065.98	1,862.56	203.42	10.156		
12,700.00	7,630.00	7,608.00	7,592.00	73.06	131.80	-90.00	-1,435.29	4,297.73	2,121.80	1,917.19	204.60	10.370		
12,800.00	7,630.00	7,608.00	7,592.00	74.45	131.80	-90.00	-1,435.29	4,297.73	2,180.77	1,975.11	205.67	10.603		
12,900.00	7,630.00	7,608.00	7,592.00	75.87	131.80	-90.00	-1,435.29	4,297.73	2,242.66	2,036.04	206.62	10.854		
13,000.00	7,630.00	7,608.00	7,592.00	77.29	131.80	-90.00	-1,435.29	4,297.73	2,307.22	2,099.74	207.48	11.120		
13,100.00	7,630.00	7,608.00	7,592.00	78.74	131.80	-90.00	-1,435.29	4,297.73	2,374.24	2,166.00	208.24	11.401		
13,200.00	7,630.00	7,608.00	7,592.00	80.19	131.80	-90.00	-1,435.29	4,297.73	2,443.51	2,234.59	208.93	11.696		
13,300.00	7,630.00	7,608.00	7,592.00	81.66	131.80	-90.00	-1,435.29	4,297.73	2,514.86	2,305.33	209.53	12.002		
13,400.00	7,630.00	7,608.00	7,592.00	83.14	131.80	-90.00	-1,435.29	4,297.73	2,588.10	2,378.03	210.07	12.320		
13,500.00	7,630.00	7,608.00	7,592.00	84.63	131.80	-90.00	-1,435.29	4,297.73	2,663.08	2,452.54	210.54	12.649		
13,600.00	7,630.00	7,608.00	7,592.00	86.14	131.80	-90.00	-1,435.29	4,297.73	2,739.66	2,528.70	210.97	12.986		
13,700.00	7,630.00	7,608.00	7,592.00	87.65	131.80	-90.00	-1,435.29	4,297.73	2,817.71	2,606.37	211.34	13.333		
13,800.00	7,630.00	7,608.00	7,592.00	89.17	131.80	-90.00	-1,435.29	4,297.73	2,897.11	2,685.44	211.67	13.687		
13,900.00	7,630.00	7,608.00	7,592.00	90.70	131.80	-90.00	-1,435.29	4,297.73	2,977.75	2,765.79	211.96	14.049		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
14,000.00	7,630.00	7,608.00	7,592.00	92.24	131.80	-90.00	-1,435.29	4,297.73	3,059.53	2,847.32	212.22	14.417		
14,100.00	7,630.00	7,608.00	7,592.00	93.78	131.80	-90.00	-1,435.29	4,297.73	3,142.37	2,929.93	212.44	14.792		
14,200.00	7,630.00	7,608.00	7,592.00	95.33	131.80	-90.00	-1,435.29	4,297.73	3,226.18	3,013.54	212.64	15.172		
14,300.00	7,630.00	7,608.00	7,592.00	96.89	131.80	-90.00	-1,435.29	4,297.73	3,310.89	3,098.07	212.82	15.558		
14,400.00	7,630.00	7,608.00	7,592.00	98.46	131.80	-90.00	-1,435.29	4,297.73	3,396.43	3,183.46	212.97	15.948		
14,500.00	7,630.00	7,608.00	7,592.00	100.03	131.80	-90.00	-1,435.29	4,297.73	3,482.74	3,269.64	213.10	16.343		
14,600.00	7,630.00	7,608.00	7,592.00	101.61	131.80	-90.00	-1,435.29	4,297.73	3,569.77	3,356.54	213.22	16.742		
14,700.00	7,630.00	7,608.00	7,592.00	103.20	131.80	-90.00	-1,435.29	4,297.73	3,657.46	3,444.13	213.33	17.145		
14,800.00	7,630.00	7,608.00	7,592.00	104.78	131.80	-90.00	-1,435.29	4,297.73	3,745.76	3,532.34	213.42	17.551		
14,900.00	7,630.00	7,608.00	7,592.00	106.38	131.80	-90.00	-1,435.29	4,297.73	3,834.64	3,621.14	213.50	17.961		
15,000.00	7,630.00	7,608.00	7,592.00	107.98	131.80	-90.00	-1,435.29	4,297.73	3,924.06	3,710.49	213.57	18.374		
15,100.00	7,630.00	7,608.00	7,592.00	109.58	131.80	-90.00	-1,435.29	4,297.73	4,013.97	3,800.35	213.63	18.790		
15,200.00	7,630.00	7,608.00	7,592.00	111.19	131.80	-90.00	-1,435.29	4,297.73	4,104.35	3,890.67	213.68	19.208		
15,300.00	7,630.00	7,608.00	7,592.00	112.81	131.80	-90.00	-1,435.29	4,297.73	4,195.17	3,981.45	213.73	19.629		
15,400.00	7,630.00	7,608.00	7,592.00	114.42	131.80	-90.00	-1,435.29	4,297.73	4,286.40	4,072.64	213.76	20.052		
15,500.00	7,630.00	7,608.00	7,592.00	116.05	131.80	-90.00	-1,435.29	4,297.73	4,378.01	4,164.21	213.80	20.477		
15,600.00	7,630.00	7,608.00	7,592.00	117.67	131.80	-90.00	-1,435.29	4,297.73	4,469.98	4,256.15	213.83	20.905		
15,700.00	7,630.00	7,608.00	7,592.00	119.30	131.80	-90.00	-1,435.29	4,297.73	4,562.29	4,348.44	213.85	21.334		
15,800.00	7,630.00	7,608.00	7,592.00	120.93	131.80	-90.00	-1,435.29	4,297.73	4,654.91	4,441.04	213.87	21.765		
15,900.00	7,630.00	7,608.00	7,592.00	122.57	131.80	-90.00	-1,435.29	4,297.73	4,747.84	4,533.95	213.89	22.198		
16,000.00	7,630.00	7,608.00	7,592.00	124.21	131.80	-90.00	-1,435.29	4,297.73	4,841.04	4,627.14	213.90	22.632		
16,100.00	7,630.00	7,608.00	7,592.00	125.85	131.80	-90.00	-1,435.29	4,297.73	4,934.52	4,720.60	213.92	23.068		
16,200.00	7,630.00	7,608.00	7,592.00	127.50	131.80	-90.00	-1,435.29	4,297.73	5,028.24	4,814.32	213.92	23.505		
16,300.00	7,630.00	7,608.00	7,592.00	129.15	131.80	-90.00	-1,435.29	4,297.73	5,122.20	4,908.27	213.93	23.943		
16,400.00	7,630.00	7,608.00	7,592.00	130.80	131.80	-90.00	-1,435.29	4,297.73	5,216.39	5,002.45	213.94	24.383		
16,500.00	7,630.00	7,608.00	7,592.00	132.46	131.80	-90.00	-1,435.29	4,297.73	5,310.79	5,096.84	213.94	24.823		
16,600.00	7,630.00	7,608.00	7,592.00	134.11	131.80	-90.00	-1,435.29	4,297.73	5,405.39	5,191.44	213.95	25.265		
16,700.00	7,630.00	7,608.00	7,592.00	135.77	131.80	-90.00	-1,435.29	4,297.73	5,500.18	5,286.23	213.95	25.708		
16,800.00	7,630.00	7,608.00	7,592.00	137.43	131.80	-90.00	-1,435.29	4,297.73	5,595.15	5,381.20	213.95	26.152		
16,900.00	7,630.00	7,608.00	7,592.00	139.10	131.80	-90.00	-1,435.29	4,297.73	5,690.29	5,476.34	213.95	26.596		
17,000.00	7,630.00	7,608.00	7,592.00	140.77	131.80	-90.00	-1,435.29	4,297.73	5,785.60	5,571.65	213.95	27.042		
17,100.00	7,630.00	7,608.00	7,592.00	142.44	131.80	-90.00	-1,435.29	4,297.73	5,881.07	5,667.11	213.95	27.488		
17,200.00	7,630.00	7,608.00	7,592.00	144.11	131.80	-90.00	-1,435.29	4,297.73	5,976.68	5,762.73	213.95	27.935		
17,300.00	7,630.00	7,608.00	7,592.00	145.78	131.80	-90.00	-1,435.29	4,297.73	6,072.43	5,858.48	213.95	28.382		
17,400.00	7,630.00	7,608.00	7,592.00	147.46	131.80	-90.00	-1,435.29	4,297.73	6,168.32	5,954.37	213.95	28.831		
17,500.00	7,630.00	7,608.00	7,592.00	149.13	131.80	-90.00	-1,435.29	4,297.73	6,264.34	6,050.39	213.95	29.279		
17,600.00	7,630.00	7,608.00	7,592.00	150.81	131.80	-90.00	-1,435.29	4,297.73	6,360.48	6,146.53	213.95	29.729		
17,700.00	7,630.00	7,608.00	7,592.00	152.49	131.80	-90.00	-1,435.29	4,297.73	6,456.74	6,242.79	213.95	30.179		
17,800.00	7,630.00	7,608.00	7,592.00	154.18	131.80	-90.00	-1,435.29	4,297.73	6,553.10	6,339.16	213.95	30.629		
17,900.00	7,630.00	7,608.00	7,592.00	155.86	131.80	-90.00	-1,435.29	4,297.73	6,649.58	6,435.63	213.95	31.080		
18,000.00	7,630.00	7,608.00	7,592.00	157.55	131.80	-90.00	-1,435.29	4,297.73	6,746.16	6,532.21	213.95	31.532		
18,100.00	7,630.00	7,608.00	7,592.00	159.24	131.80	-90.00	-1,435.29	4,297.73	6,842.84	6,628.89	213.95	31.984		
18,200.00	7,630.00	7,608.00	7,592.00	160.92	131.80	-90.00	-1,435.29	4,297.73	6,939.61	6,725.66	213.95	32.436		
18,300.00	7,630.00	7,608.00	7,592.00	162.62	131.80	-90.00	-1,435.29	4,297.73	7,036.47	6,822.52	213.95	32.889		
18,400.00	7,630.00	7,608.00	7,592.00	164.31	131.80	-90.00	-1,435.29	4,297.73	7,133.42	6,919.47	213.95	33.342		
18,458.39	7,630.00	7,608.00	7,592.00	165.30	131.80	-90.00	-1,435.29	4,297.73	7,190.07	6,976.12	213.95	33.606		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	123.73	-3,056.32	4,578.05	5,504.71					
100.00	100.00	53.00	53.00	0.13	0.41	123.73	-3,056.32	4,578.05	5,504.51	5,503.97	0.54	N/A		
200.00	200.00	153.00	153.00	0.49	1.69	123.73	-3,056.32	4,578.05	5,504.51	5,502.32	2.19	2,518.224		
300.00	300.00	253.00	253.00	0.85	3.44	123.73	-3,056.32	4,578.05	5,504.51	5,500.22	4.29	1,283.201		
400.00	400.00	353.00	353.00	1.21	5.18	123.73	-3,056.32	4,578.05	5,504.51	5,498.12	6.39	860.958		
500.00	500.00	453.00	453.00	1.57	6.93	123.73	-3,056.32	4,578.05	5,504.51	5,496.01	8.50	647.797		
600.00	600.00	553.00	553.00	1.93	8.67	123.73	-3,056.32	4,578.05	5,504.51	5,493.91	10.60	519.241		
700.00	700.00	653.00	653.00	2.29	10.42	123.73	-3,056.32	4,578.05	5,504.51	5,491.80	12.70	433.260		
800.00	800.00	753.00	753.00	2.64	12.16	123.73	-3,056.32	4,578.05	5,504.51	5,489.70	14.81	371.708		
900.00	900.00	853.00	853.00	3.00	13.91	123.73	-3,056.32	4,578.05	5,504.51	5,487.60	16.91	325.470		
1,000.00	1,000.00	953.00	953.00	3.36	15.66	123.73	-3,056.32	4,578.05	5,504.51	5,485.49	19.02	289.463		
1,100.00	1,100.00	1,053.00	1,053.00	3.72	17.40	123.73	-3,056.32	4,578.05	5,504.51	5,483.39	21.12	260.629		
1,200.00	1,199.98	1,152.98	1,152.98	4.07	19.15	72.69	-3,056.32	4,578.05	5,503.99	5,480.77	23.22	237.036		
1,300.00	1,299.84	1,252.84	1,252.84	4.43	20.89	72.77	-3,056.32	4,578.05	5,502.43	5,477.12	25.32	217.350		
1,400.00	1,399.45	1,352.45	1,352.45	4.79	22.63	72.90	-3,056.32	4,578.05	5,499.85	5,472.44	27.41	200.641		
1,500.00	1,498.70	1,451.70	1,451.70	5.15	24.36	73.09	-3,056.32	4,578.05	5,496.26	5,466.76	29.51	186.268		
1,600.00	1,597.47	1,550.47	1,550.47	5.53	26.08	73.33	-3,056.32	4,578.05	5,491.69	5,460.09	31.61	173.756		
1,700.00	1,695.62	1,648.62	1,648.62	5.93	27.80	73.63	-3,056.32	4,578.05	5,486.17	5,452.47	33.71	162.748		
1,800.00	1,793.06	1,746.06	1,746.06	6.35	29.50	73.97	-3,056.32	4,578.05	5,479.75	5,443.93	35.82	152.972		
1,900.00	1,889.64	1,842.64	1,842.64	6.79	31.18	74.37	-3,056.32	4,578.05	5,472.46	5,434.51	37.95	144.217		
2,000.00	1,985.27	1,938.27	1,938.27	7.27	32.85	74.81	-3,056.32	4,578.05	5,464.36	5,424.27	40.09	136.319		
2,100.00	2,079.82	2,032.82	2,032.82	7.79	34.50	75.29	-3,056.32	4,578.05	5,455.51	5,413.26	42.24	129.145		
2,200.00	2,173.17	2,126.17	2,126.17	8.36	36.13	75.82	-3,056.32	4,578.05	5,445.97	5,401.55	44.42	122.593		
2,300.00	2,265.21	2,218.21	2,218.21	8.97	37.74	76.39	-3,056.32	4,578.05	5,435.83	5,389.20	46.63	116.579		
2,400.00	2,355.84	2,308.84	2,308.84	9.64	39.32	76.99	-3,056.32	4,578.05	5,425.16	5,376.29	48.86	111.034		
2,500.00	2,444.94	2,402.06	2,397.94	10.36	40.95	77.63	-3,056.32	4,578.05	5,414.03	5,362.84	51.19	105.754		
2,591.69	2,525.19	2,478.19	2,478.19	11.07	42.28	78.24	-3,056.32	4,578.05	5,403.51	5,350.29	53.22	101.523		
2,600.00	2,532.40	2,485.40	2,485.40	11.14	42.40	78.28	-3,056.32	4,578.05	5,402.55	5,349.13	53.42	101.141		
2,700.00	2,619.15	2,572.15	2,572.15	11.96	43.92	78.73	-3,056.32	4,578.05	5,391.19	5,335.45	55.74	96.721		
2,800.00	2,705.89	2,658.89	2,658.89	12.81	45.43	79.18	-3,056.32	4,578.05	5,380.27	5,322.18	58.09	92.622		
2,900.00	2,792.64	2,745.64	2,745.64	13.67	46.94	79.64	-3,056.32	4,578.05	5,369.79	5,309.33	60.46	88.819		
3,000.00	2,879.39	2,832.39	2,832.39	14.55	48.46	80.09	-3,056.32	4,578.05	5,359.75	5,296.91	62.85	85.285		
3,100.00	2,966.14	2,919.14	2,919.14	15.44	49.97	80.55	-3,056.32	4,578.05	5,350.15	5,284.91	65.25	81.998		
3,200.00	3,052.88	3,005.88	3,005.88	16.34	51.49	81.01	-3,056.32	4,578.05	5,341.00	5,273.34	67.66	78.936		
3,300.00	3,139.63	3,107.37	3,092.63	17.25	53.26	81.47	-3,056.32	4,578.05	5,332.30	5,261.96	70.35	75.802		
3,400.00	3,226.38	3,179.38	3,179.38	18.17	54.51	81.93	-3,056.32	4,578.05	5,324.05	5,251.53	72.52	73.412		
3,500.00	3,313.12	3,266.12	3,266.12	19.09	56.03	82.39	-3,056.32	4,578.05	5,316.25	5,241.28	74.97	70.915		
3,600.00	3,399.87	3,352.87	3,352.87	20.02	57.54	82.85	-3,056.32	4,578.05	5,308.91	5,231.49	77.42	68.576		
3,700.00	3,486.62	3,439.62	3,439.62	20.96	59.06	83.32	-3,056.32	4,578.05	5,302.02	5,222.15	79.87	66.380		
3,800.00	3,573.37	3,526.37	3,526.37	21.90	60.57	83.78	-3,056.32	4,578.05	5,295.59	5,213.26	82.34	64.318		
3,900.00	3,660.11	3,613.11	3,613.11	22.84	62.08	84.25	-3,056.32	4,578.05	5,289.62	5,204.82	84.80	62.377		
4,000.00	3,746.86	3,700.14	3,699.86	23.78	63.60	84.71	-3,056.32	4,578.05	5,284.11	5,196.84	87.28	60.544		
4,100.00	3,833.61	3,786.61	3,786.61	24.73	65.11	85.18	-3,056.32	4,578.05	5,279.07	5,189.33	89.75	58.823		
4,200.00	3,920.35	3,873.35	3,873.35	25.68	66.63	85.65	-3,056.32	4,578.05	5,274.49	5,182.27	92.22	57.194		
4,300.00	4,007.10	3,960.10	3,960.10	26.63	68.14	86.12	-3,056.32	4,578.05	5,270.38	5,175.68	94.70	55.653		
4,400.00	4,093.85	4,046.85	4,046.85	27.59	69.65	86.59	-3,056.32	4,578.05	5,266.73	5,169.55	97.18	54.195		
4,500.00	4,180.60	4,133.60	4,133.60	28.55	71.17	87.05	-3,056.32	4,578.05	5,263.55	5,163.89	99.66	52.814		
4,600.00	4,267.34	4,220.34	4,220.34	29.50	72.68	87.52	-3,056.32	4,578.05	5,260.84	5,158.69	102.15	51.503		
4,700.00	4,354.09	4,307.09	4,307.09	30.46	74.20	87.99	-3,056.32	4,578.05	5,258.60	5,153.97	104.63	50.259		
4,800.00	4,440.84	4,406.16	4,393.84	31.42	75.92	88.46	-3,056.32	4,578.05	5,256.83	5,149.50	107.33	48.979		
4,900.00	4,527.58	4,480.58	4,480.58	32.39	77.22	88.93	-3,056.32	4,578.05	5,255.52	5,145.93	109.60	47.953		
5,000.00	4,614.33	4,567.33	4,567.33	33.35	78.74	89.41	-3,056.32	4,578.05	5,254.69	5,142.61	112.08	46.883		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,701.08	4,654.08	4,654.08	34.31	80.25	89.88	-3,056.32	4,578.05	5,254.33	5,139.77	114.56	45.864		
5,126.42	4,723.99	4,676.99	4,676.99	34.57	80.65	90.00	-3,056.32	4,578.05	5,254.32	5,139.10	115.22	45.603		
5,200.00	4,787.82	4,740.82	4,740.82	35.28	81.77	90.35	-3,056.32	4,578.05	5,254.44	5,137.40	117.04	44.893		
5,300.00	4,874.57	4,827.57	4,827.57	36.25	83.28	90.82	-3,056.32	4,578.05	5,255.03	5,135.50	119.52	43.966		
5,400.00	4,961.32	4,914.32	4,914.32	37.21	84.79	91.29	-3,056.32	4,578.05	5,256.08	5,134.08	122.00	43.081		
5,500.00	5,048.07	5,001.07	5,001.07	38.18	86.31	91.76	-3,056.32	4,578.05	5,257.60	5,133.12	124.48	42.236		
5,600.00	5,134.81	5,087.81	5,087.81	39.15	87.82	92.23	-3,056.32	4,578.05	5,259.60	5,132.64	126.96	41.429		
5,700.00	5,221.56	5,174.56	5,174.56	40.12	89.34	92.70	-3,056.32	4,578.05	5,262.06	5,132.63	129.43	40.656		
5,800.00	5,308.31	5,261.31	5,261.31	41.09	90.85	93.17	-3,056.32	4,578.05	5,264.99	5,133.09	131.90	39.917		
5,900.00	5,395.05	5,348.05	5,348.05	42.06	92.36	93.64	-3,056.32	4,578.05	5,268.39	5,134.03	134.37	39.209		
6,000.00	5,481.80	5,434.80	5,434.80	43.03	93.88	94.10	-3,056.32	4,578.05	5,272.26	5,135.43	136.83	38.531		
6,100.00	5,568.55	5,521.55	5,521.55	44.00	95.39	94.57	-3,056.32	4,578.05	5,276.59	5,137.30	139.29	37.882		
6,200.00	5,655.30	5,608.30	5,608.30	44.97	96.91	95.04	-3,056.32	4,578.05	5,281.39	5,139.64	141.75	37.259		
6,300.00	5,742.04	5,704.96	5,695.04	45.94	98.59	95.51	-3,056.32	4,578.05	5,286.65	5,142.28	144.38	36.617		
6,400.00	5,828.79	5,781.79	5,781.79	46.92	99.93	95.97	-3,056.32	4,578.05	5,292.38	5,145.73	146.65	36.088		
6,500.00	5,915.54	5,868.54	5,868.54	47.89	101.45	96.44	-3,056.32	4,578.05	5,298.57	5,149.47	149.10	35.538		
6,600.00	6,002.28	5,955.28	5,955.28	48.86	102.96	96.90	-3,056.32	4,578.05	5,305.21	5,153.67	151.54	35.009		
6,700.00	6,089.03	6,042.03	6,042.03	49.83	104.48	97.36	-3,056.32	4,578.05	5,312.31	5,158.34	153.98	34.501		
6,800.00	6,175.78	6,128.78	6,128.78	50.81	105.99	97.83	-3,056.32	4,578.05	5,319.87	5,163.46	156.41	34.013		
6,900.00	6,262.53	6,215.53	6,215.53	51.78	107.50	98.29	-3,056.32	4,578.05	5,327.89	5,169.05	158.84	33.543		
7,000.00	6,349.27	6,302.27	6,302.27	52.76	109.02	98.75	-3,056.32	4,578.05	5,336.35	5,175.09	161.26	33.092		
7,100.00	6,436.02	6,389.02	6,389.02	53.73	110.53	99.21	-3,056.32	4,578.05	5,345.26	5,181.59	163.68	32.657		
7,200.00	6,522.77	6,475.77	6,475.77	54.71	112.05	99.67	-3,056.32	4,578.05	5,354.62	5,188.53	166.09	32.239		
7,300.00	6,609.51	6,562.51	6,562.51	55.68	113.56	100.12	-3,056.32	4,578.05	5,364.43	5,195.93	168.50	31.837		
7,400.00	6,696.26	6,649.26	6,649.26	56.66	115.07	100.58	-3,056.32	4,578.05	5,374.68	5,203.78	170.90	31.450		
7,500.00	6,783.01	6,736.01	6,736.01	57.63	116.59	101.03	-3,056.32	4,578.05	5,385.37	5,212.07	173.29	31.076		
7,600.00	6,869.76	6,822.76	6,822.76	58.61	118.10	101.48	-3,056.32	4,578.05	5,396.50	5,220.81	175.68	30.717		
7,683.49	6,942.18	6,904.82	6,895.18	59.42	119.53	101.86	-3,056.32	4,578.05	5,406.12	5,228.27	177.84	30.398		
7,700.00	6,956.57	6,909.57	6,909.57	59.58	119.62	99.57	-3,056.32	4,578.05	5,407.84	5,229.77	178.07	30.369		
7,750.00	7,000.85	6,953.85	6,953.85	60.04	120.39	91.52	-3,056.32	4,578.05	5,410.46	5,231.20	179.26	30.182		
7,800.00	7,045.94	7,001.06	6,998.94	60.46	121.21	81.85	-3,056.32	4,578.05	5,409.15	5,228.68	180.48	29.971		
7,850.00	7,091.49	7,044.49	7,044.49	60.84	121.97	70.95	-3,056.32	4,578.05	5,403.92	5,222.31	181.60	29.757		
7,900.00	7,137.15	7,109.85	7,090.15	61.17	123.11	59.59	-3,056.32	4,578.05	5,394.76	5,211.69	183.07	29.468		
7,950.00	7,182.58	7,135.58	7,135.58	61.44	123.56	48.64	-3,056.32	4,578.05	5,381.75	5,197.93	183.82	29.277		
8,000.00	7,227.43	7,180.43	7,180.43	61.67	124.34	38.73	-3,056.32	4,578.05	5,364.96	5,180.10	184.86	29.022		
8,050.00	7,271.36	7,224.36	7,224.36	61.84	125.11	30.09	-3,056.32	4,578.05	5,344.50	5,158.66	185.84	28.758		
8,100.00	7,314.04	7,267.04	7,267.04	61.96	125.86	22.64	-3,056.32	4,578.05	5,320.51	5,133.75	186.77	28.488		
8,150.00	7,355.14	7,308.14	7,308.14	62.04	126.57	16.12	-3,056.32	4,578.05	5,293.17	5,105.54	187.62	28.212		
8,200.00	7,394.34	7,347.34	7,347.34	62.07	127.26	10.24	-3,056.32	4,578.05	5,262.67	5,074.26	188.41	27.932		
8,250.00	7,431.36	7,384.36	7,384.36	62.06	127.90	4.71	-3,056.32	4,578.05	5,229.23	5,040.11	189.12	27.650		
8,300.00	7,465.90	7,418.90	7,418.90	62.01	128.51	-0.76	-3,056.32	4,578.05	5,193.11	5,003.36	189.76	27.367		
8,350.00	7,497.71	7,450.71	7,450.71	61.93	129.06	-6.48	-3,056.32	4,578.05	5,154.59	4,964.27	190.31	27.085		
8,400.00	7,526.53	7,479.53	7,479.53	61.81	129.57	-12.75	-3,056.32	4,578.05	5,113.94	4,923.16	190.78	26.805		
8,450.00	7,552.17	7,505.17	7,505.17	61.66	130.01	-19.95	-3,056.32	4,578.05	5,071.50	4,880.34	191.16	26.530		
8,500.00	7,574.41	7,527.41	7,527.41	61.48	130.40	-28.42	-3,056.32	4,578.05	5,027.59	4,836.14	191.46	26.260		
8,550.00	7,593.09	7,546.09	7,546.09	61.29	130.73	-38.48	-3,056.32	4,578.05	4,982.56	4,790.90	191.66	25.996		
8,600.00	7,608.07	7,561.07	7,561.07	61.07	130.99	-50.10	-3,056.32	4,578.05	4,936.77	4,744.99	191.78	25.742		
8,650.00	7,619.23	7,572.23	7,572.23	60.84	131.18	-62.75	-3,056.32	4,578.05	4,890.58	4,698.77	191.81	25.497		
8,700.00	7,626.48	7,579.48	7,579.48	60.60	131.31	-75.33	-3,056.32	4,578.05	4,844.36	4,652.61	191.75	25.263		
8,750.00	7,629.78	7,582.78	7,582.78	60.35	131.37	-86.67	-3,056.32	4,578.05	4,798.50	4,606.89	191.61	25.043		
8,766.45	7,630.00	7,583.00	7,583.00	60.27	131.37	-90.00	-3,056.32	4,578.05	4,783.55	4,592.00	191.54	24.974		
8,800.00	7,630.00	7,583.00	7,583.00	60.10	131.37	-90.00	-3,056.32	4,578.05	4,753.16	4,561.76	191.40	24.834		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
8,900.00	7,630.00	7,583.00	7,583.00	59.61	131.37	-90.00	-3,056.32	4,578.05	4,662.86	4,471.90	190.97	24.417		
9,000.00	7,630.00	7,583.00	7,583.00	59.15	131.37	-90.00	-3,056.32	4,578.05	4,572.97	4,382.45	190.52	24.003		
9,100.00	7,630.00	7,583.00	7,583.00	58.71	131.37	-90.00	-3,056.32	4,578.05	4,483.50	4,293.44	190.06	23.590		
9,200.00	7,630.00	7,583.00	7,583.00	58.30	131.37	-90.00	-3,056.32	4,578.05	4,394.48	4,204.90	189.59	23.179		
9,300.00	7,630.00	7,583.00	7,583.00	57.91	131.37	-90.00	-3,056.32	4,578.05	4,305.95	4,116.85	189.10	22.770		
9,400.00	7,630.00	7,583.00	7,583.00	57.54	131.37	-90.00	-3,056.32	4,578.05	4,217.93	4,029.33	188.61	22.364		
9,500.00	7,630.00	7,583.00	7,583.00	57.19	131.37	-90.00	-3,056.32	4,578.05	4,130.46	3,942.36	188.10	21.959		
9,600.00	7,630.00	7,583.00	7,583.00	56.87	131.37	-90.00	-3,056.32	4,578.05	4,043.56	3,855.99	187.58	21.557		
9,700.00	7,630.00	7,583.00	7,583.00	56.57	131.37	-90.00	-3,056.32	4,578.05	3,957.29	3,770.24	187.05	21.157		
9,800.00	7,630.00	7,583.00	7,583.00	56.30	131.37	-90.00	-3,056.32	4,578.05	3,871.68	3,685.17	186.50	20.759		
9,900.00	7,630.00	7,583.00	7,583.00	56.05	131.37	-90.00	-3,056.32	4,578.05	3,786.77	3,600.81	185.95	20.364		
10,000.00	7,630.00	7,583.00	7,583.00	55.82	131.37	-90.00	-3,056.32	4,578.05	3,702.61	3,517.22	185.40	19.971		
10,100.00	7,630.00	7,583.00	7,583.00	55.63	131.37	-90.00	-3,056.32	4,578.05	3,619.26	3,434.43	184.83	19.581		
10,200.00	7,630.00	7,583.00	7,583.00	55.46	131.37	-90.00	-3,056.32	4,578.05	3,536.78	3,352.51	184.27	19.194		
10,300.00	7,630.00	7,583.00	7,583.00	55.32	131.37	-90.00	-3,056.32	4,578.05	3,455.22	3,271.52	183.70	18.809		
10,400.00	7,630.00	7,583.00	7,583.00	55.22	131.37	-90.00	-3,056.32	4,578.05	3,374.65	3,191.51	183.14	18.426		
10,500.00	7,630.00	7,583.00	7,583.00	55.15	131.37	-90.00	-3,056.32	4,578.05	3,295.15	3,112.56	182.59	18.046		
10,600.00	7,630.00	7,583.00	7,583.00	55.14	131.37	-90.00	-3,056.32	4,578.05	3,216.79	3,034.73	182.06	17.669		
10,700.00	7,630.00	7,583.00	7,583.00	55.18	131.37	-90.00	-3,056.32	4,578.05	3,139.66	2,958.11	181.55	17.294		
10,800.00	7,630.00	7,583.00	7,583.00	55.28	131.37	-90.00	-3,056.32	4,578.05	3,063.85	2,882.79	181.07	16.921		
10,900.00	7,630.00	7,583.00	7,583.00	55.47	131.37	-90.00	-3,056.32	4,578.05	2,989.47	2,808.84	180.63	16.551		
11,000.00	7,630.00	7,583.00	7,583.00	55.74	131.37	-90.00	-3,056.32	4,578.05	2,916.62	2,736.38	180.24	16.182		
11,100.00	7,630.00	7,583.00	7,583.00	56.11	131.37	-90.00	-3,056.32	4,578.05	2,845.42	2,665.50	179.92	15.815		
11,200.00	7,630.00	7,583.00	7,583.00	56.60	131.37	-90.00	-3,056.32	4,578.05	2,775.99	2,596.32	179.68	15.450		
11,300.00	7,630.00	7,583.00	7,583.00	57.20	131.37	-90.00	-3,056.32	4,578.05	2,708.48	2,528.95	179.53	15.086		
11,400.00	7,630.00	7,583.00	7,583.00	57.91	131.37	-90.00	-3,056.32	4,578.05	2,643.03	2,463.52	179.50	14.724		
11,500.00	7,630.00	7,583.00	7,583.00	58.72	131.37	-90.00	-3,056.32	4,578.05	2,579.79	2,400.18	179.61	14.364		
11,600.00	7,630.00	7,583.00	7,583.00	59.63	131.37	-90.00	-3,056.32	4,578.05	2,518.94	2,339.08	179.86	14.005		
11,700.00	7,630.00	7,583.00	7,583.00	60.61	131.37	-90.00	-3,056.32	4,578.05	2,460.65	2,280.36	180.29	13.648		
11,800.00	7,630.00	7,583.00	7,583.00	61.67	131.37	-90.00	-3,056.32	4,578.05	2,405.10	2,224.20	180.90	13.295		
11,900.00	7,630.00	7,583.00	7,583.00	62.78	131.37	-90.00	-3,056.32	4,578.05	2,352.50	2,170.78	181.72	12.946		
12,000.00	7,630.00	7,583.00	7,583.00	63.95	131.37	-90.00	-3,056.32	4,578.05	2,303.04	2,120.30	182.74	12.603		
12,100.00	7,630.00	7,583.00	7,583.00	65.16	131.37	-90.00	-3,056.32	4,578.05	2,256.93	2,072.94	183.99	12.267		
12,200.00	7,630.00	7,583.00	7,583.00	66.41	131.37	-90.00	-3,056.32	4,578.05	2,214.37	2,028.93	185.45	11.941		
12,300.00	7,630.00	7,583.00	7,583.00	67.68	131.37	-90.00	-3,056.32	4,578.05	2,175.59	1,988.47	187.12	11.627		
12,400.00	7,630.00	7,583.00	7,583.00	68.99	131.37	-90.00	-3,056.32	4,578.05	2,140.77	1,951.79	188.99	11.328		
12,500.00	7,630.00	7,583.00	7,583.00	70.33	131.37	-90.00	-3,056.32	4,578.05	2,110.13	1,919.09	191.04	11.045		
12,600.00	7,630.00	7,583.00	7,583.00	71.68	131.37	-90.00	-3,056.32	4,578.05	2,083.84	1,890.59	193.25	10.783		
12,700.00	7,630.00	7,583.00	7,583.00	73.06	131.37	-90.00	-3,056.32	4,578.05	2,062.06	1,866.48	195.58	10.543		
12,800.00	7,630.00	7,583.00	7,583.00	74.45	131.37	-90.00	-3,056.32	4,578.05	2,044.96	1,846.94	198.01	10.327		
12,900.00	7,630.00	7,583.00	7,583.00	75.87	131.37	-90.00	-3,056.32	4,578.05	2,032.63	1,832.12	200.51	10.137		
13,000.00	7,630.00	7,583.00	7,583.00	77.29	131.37	-90.00	-3,056.32	4,578.05	2,025.17	1,822.14	203.03	9.975		
13,100.00	7,630.00	7,583.00	7,583.00	78.74	131.37	-90.00	-3,056.32	4,578.05	2,022.63	1,817.10	205.53	9.841		
13,101.34	7,630.00	7,583.00	7,583.00	78.76	131.37	-90.00	-3,056.32	4,578.05	2,022.63	1,817.06	205.57	9.839 CC		
13,200.00	7,630.00	7,583.00	7,583.00	80.19	131.37	-90.00	-3,056.32	4,578.05	2,025.04	1,817.04	208.00	9.736 ES		
13,300.00	7,630.00	7,583.00	7,583.00	81.66	131.37	-90.00	-3,056.32	4,578.05	2,032.36	1,821.97	210.39	9.660		
13,400.00	7,630.00	7,583.00	7,583.00	83.14	131.37	-90.00	-3,056.32	4,578.05	2,044.56	1,831.88	212.68	9.613		
13,500.00	7,630.00	7,583.00	7,583.00	84.63	131.37	-90.00	-3,056.32	4,578.05	2,061.55	1,846.69	214.85	9.595 SF		
13,600.00	7,630.00	7,583.00	7,583.00	86.14	131.37	-90.00	-3,056.32	4,578.05	2,083.19	1,866.31	216.89	9.605		
13,700.00	7,630.00	7,583.00	7,583.00	87.65	131.37	-90.00	-3,056.32	4,578.05	2,109.37	1,890.60	218.77	9.642		
13,800.00	7,630.00	7,583.00	7,583.00	89.17	131.37	-90.00	-3,056.32	4,578.05	2,139.90	1,919.40	220.50	9.705		
13,900.00	7,630.00	7,583.00	7,583.00	90.70	131.37	-90.00	-3,056.32	4,578.05	2,174.60	1,952.54	222.06	9.793		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
14,000.00	7,630.00	7,583.00	7,583.00	92.24	131.37	-90.00	-3,056.32	4,578.05	2,213.28	1,989.81	223.47	9.904		
14,100.00	7,630.00	7,583.00	7,583.00	93.78	131.37	-90.00	-3,056.32	4,578.05	2,255.74	2,031.01	224.73	10.038		
14,200.00	7,630.00	7,583.00	7,583.00	95.33	131.37	-90.00	-3,056.32	4,578.05	2,301.76	2,075.93	225.83	10.192		
14,300.00	7,630.00	7,583.00	7,583.00	96.89	131.37	-90.00	-3,056.32	4,578.05	2,351.13	2,124.34	226.80	10.367		
14,400.00	7,630.00	7,583.00	7,583.00	98.46	131.37	-90.00	-3,056.32	4,578.05	2,403.66	2,176.02	227.63	10.559		
14,500.00	7,630.00	7,583.00	7,583.00	100.03	131.37	-90.00	-3,056.32	4,578.05	2,459.12	2,230.77	228.35	10.769		
14,600.00	7,630.00	7,583.00	7,583.00	101.61	131.37	-90.00	-3,056.32	4,578.05	2,517.34	2,288.39	228.96	10.995		
14,700.00	7,630.00	7,583.00	7,583.00	103.20	131.37	-90.00	-3,056.32	4,578.05	2,578.13	2,348.67	229.46	11.235		
14,800.00	7,630.00	7,583.00	7,583.00	104.78	131.37	-90.00	-3,056.32	4,578.05	2,641.30	2,411.42	229.88	11.490		
14,900.00	7,630.00	7,583.00	7,583.00	106.38	131.37	-90.00	-3,056.32	4,578.05	2,706.70	2,476.48	230.22	11.757		
15,000.00	7,630.00	7,583.00	7,583.00	107.98	131.37	-90.00	-3,056.32	4,578.05	2,774.16	2,543.67	230.49	12.036		
15,100.00	7,630.00	7,583.00	7,583.00	109.58	131.37	-90.00	-3,056.32	4,578.05	2,843.53	2,612.84	230.69	12.326		
15,200.00	7,630.00	7,583.00	7,583.00	111.19	131.37	-90.00	-3,056.32	4,578.05	2,914.69	2,683.85	230.84	12.626		
15,300.00	7,630.00	7,583.00	7,583.00	112.81	131.37	-90.00	-3,056.32	4,578.05	2,987.50	2,756.56	230.94	12.936		
15,400.00	7,630.00	7,583.00	7,583.00	114.42	131.37	-90.00	-3,056.32	4,578.05	3,061.84	2,830.84	231.00	13.255		
15,500.00	7,630.00	7,583.00	7,583.00	116.05	131.37	-90.00	-3,056.32	4,578.05	3,137.61	2,906.59	231.03	13.581		
15,600.00	7,630.00	7,583.00	7,583.00	117.67	131.37	-90.00	-3,056.32	4,578.05	3,214.71	2,983.69	231.02	13.915		
15,700.00	7,630.00	7,583.00	7,583.00	119.30	131.37	-90.00	-3,056.32	4,578.05	3,293.03	3,062.05	230.98	14.257		
15,800.00	7,630.00	7,583.00	7,583.00	120.93	131.37	-90.00	-3,056.32	4,578.05	3,372.51	3,141.58	230.93	14.604		
15,900.00	7,630.00	7,583.00	7,583.00	122.57	131.37	-90.00	-3,056.32	4,578.05	3,453.05	3,222.20	230.85	14.958		
16,000.00	7,630.00	7,583.00	7,583.00	124.21	131.37	-90.00	-3,056.32	4,578.05	3,534.58	3,303.83	230.75	15.318		
16,100.00	7,630.00	7,583.00	7,583.00	125.85	131.37	-90.00	-3,056.32	4,578.05	3,617.04	3,386.40	230.65	15.682		
16,200.00	7,630.00	7,583.00	7,583.00	127.50	131.37	-90.00	-3,056.32	4,578.05	3,700.37	3,469.84	230.53	16.052		
16,300.00	7,630.00	7,583.00	7,583.00	129.15	131.37	-90.00	-3,056.32	4,578.05	3,784.50	3,554.11	230.40	16.426		
16,400.00	7,630.00	7,583.00	7,583.00	130.80	131.37	-90.00	-3,056.32	4,578.05	3,869.39	3,639.13	230.26	16.805		
16,500.00	7,630.00	7,583.00	7,583.00	132.46	131.37	-90.00	-3,056.32	4,578.05	3,954.99	3,724.87	230.12	17.187		
16,600.00	7,630.00	7,583.00	7,583.00	134.11	131.37	-90.00	-3,056.32	4,578.05	4,041.25	3,811.28	229.97	17.573		
16,700.00	7,630.00	7,583.00	7,583.00	135.77	131.37	-90.00	-3,056.32	4,578.05	4,128.12	3,898.31	229.82	17.963		
16,800.00	7,630.00	7,583.00	7,583.00	137.43	131.37	-90.00	-3,056.32	4,578.05	4,215.58	3,985.92	229.66	18.356		
16,900.00	7,630.00	7,583.00	7,583.00	139.10	131.37	-90.00	-3,056.32	4,578.05	4,303.59	4,074.08	229.50	18.752		
17,000.00	7,630.00	7,583.00	7,583.00	140.77	131.37	-90.00	-3,056.32	4,578.05	4,392.11	4,162.76	229.35	19.151		
17,100.00	7,630.00	7,583.00	7,583.00	142.44	131.37	-90.00	-3,056.32	4,578.05	4,481.11	4,251.92	229.19	19.552		
17,200.00	7,630.00	7,583.00	7,583.00	144.11	131.37	-90.00	-3,056.32	4,578.05	4,570.56	4,341.54	229.03	19.956		
17,300.00	7,630.00	7,583.00	7,583.00	145.78	131.37	-90.00	-3,056.32	4,578.05	4,660.45	4,431.58	228.87	20.363		
17,400.00	7,630.00	7,583.00	7,583.00	147.46	131.37	-90.00	-3,056.32	4,578.05	4,750.74	4,522.02	228.71	20.771		
17,500.00	7,630.00	7,583.00	7,583.00	149.13	131.37	-90.00	-3,056.32	4,578.05	4,841.41	4,612.85	228.56	21.182		
17,600.00	7,630.00	7,583.00	7,583.00	150.81	131.37	-90.00	-3,056.32	4,578.05	4,932.44	4,704.04	228.41	21.595		
17,700.00	7,630.00	7,583.00	7,583.00	152.49	131.37	-90.00	-3,056.32	4,578.05	5,023.82	4,795.56	228.25	22.010		
17,800.00	7,630.00	7,583.00	7,583.00	154.18	131.37	-90.00	-3,056.32	4,578.05	5,115.51	4,887.41	228.10	22.426		
17,900.00	7,630.00	7,583.00	7,583.00	155.86	131.37	-90.00	-3,056.32	4,578.05	5,207.51	4,979.56	227.96	22.844		
18,000.00	7,630.00	7,583.00	7,583.00	157.55	131.37	-90.00	-3,056.32	4,578.05	5,299.80	5,071.99	227.81	23.264		
18,100.00	7,630.00	7,583.00	7,583.00	159.24	131.37	-90.00	-3,056.32	4,578.05	5,392.37	5,164.70	227.67	23.685		
18,200.00	7,630.00	7,583.00	7,583.00	160.92	131.37	-90.00	-3,056.32	4,578.05	5,485.20	5,257.67	227.53	24.108		
18,300.00	7,630.00	7,583.00	7,583.00	162.62	131.37	-90.00	-3,056.32	4,578.05	5,578.27	5,350.88	227.39	24.531		
18,400.00	7,630.00	7,583.00	7,583.00	164.31	131.37	-90.00	-3,056.32	4,578.05	5,671.58	5,444.32	227.26	24.957		
18,458.39	7,630.00	7,583.00	7,583.00	165.30	131.37	-90.00	-3,056.32	4,578.05	5,726.17	5,498.99	227.18	25.205		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	104.97	-1,580.67	5,913.47	6,121.33					
100.00	100.00	45.00	45.00	0.13	0.35	104.97	-1,580.67	5,913.47	6,121.08	6,120.60	0.48	N/A		
200.00	200.00	145.00	145.00	0.49	1.55	104.97	-1,580.67	5,913.47	6,121.08	6,119.04	2.05	2,991.378		
300.00	300.00	245.00	245.00	0.85	3.30	104.97	-1,580.67	5,913.47	6,121.08	6,116.93	4.15	1,474.945		
400.00	400.00	345.00	345.00	1.21	5.04	104.97	-1,580.67	5,913.47	6,121.08	6,114.83	6.25	978.771		
500.00	500.00	445.00	445.00	1.57	6.79	104.97	-1,580.67	5,913.47	6,121.08	6,112.73	8.36	732.393		
600.00	600.00	545.00	545.00	1.93	8.53	104.97	-1,580.67	5,913.47	6,121.08	6,110.62	10.46	585.109		
700.00	700.00	645.00	645.00	2.29	10.28	104.97	-1,580.67	5,913.47	6,121.08	6,108.52	12.57	487.144		
800.00	800.00	745.00	745.00	2.64	12.03	104.97	-1,580.67	5,913.47	6,121.08	6,106.42	14.67	417.279		
900.00	900.00	845.00	845.00	3.00	13.77	104.97	-1,580.67	5,913.47	6,121.08	6,104.31	16.77	364.940		
1,000.00	1,000.00	945.00	945.00	3.36	15.52	104.97	-1,580.67	5,913.47	6,121.08	6,102.21	18.88	324.268		
1,100.00	1,100.00	1,045.00	1,045.00	3.72	17.26	104.97	-1,580.67	5,913.47	6,121.08	6,100.10	20.98	291.752		
1,200.00	1,199.98	1,144.98	1,144.98	4.07	19.01	53.93	-1,580.67	5,913.47	6,120.06	6,096.98	23.08	265.163		
1,300.00	1,299.84	1,244.84	1,244.84	4.43	20.75	54.02	-1,580.67	5,913.47	6,116.98	6,091.80	25.18	242.968		
1,400.00	1,399.45	1,344.45	1,344.45	4.79	22.49	54.17	-1,580.67	5,913.47	6,111.85	6,084.58	27.27	224.124		
1,500.00	1,498.70	1,443.70	1,443.70	5.15	24.22	54.37	-1,580.67	5,913.47	6,104.70	6,075.34	29.36	207.908		
1,600.00	1,597.47	1,542.47	1,542.47	5.53	25.94	54.64	-1,580.67	5,913.47	6,095.54	6,064.09	31.45	193.790		
1,700.00	1,695.62	1,640.62	1,640.62	5.93	27.66	54.97	-1,580.67	5,913.47	6,084.41	6,050.86	33.55	181.369		
1,800.00	1,793.06	1,738.06	1,738.06	6.35	29.36	55.36	-1,580.67	5,913.47	6,071.33	6,035.69	35.64	170.339		
1,900.00	1,889.64	1,834.64	1,834.64	6.79	31.04	55.81	-1,580.67	5,913.47	6,056.36	6,018.61	37.74	160.463		
2,000.00	1,985.27	1,930.27	1,930.27	7.27	32.71	56.31	-1,580.67	5,913.47	6,039.53	5,999.68	39.85	151.554		
2,100.00	2,079.82	2,024.82	2,024.82	7.79	34.36	56.88	-1,580.67	5,913.47	6,020.90	5,978.93	41.97	143.464		
2,200.00	2,173.17	2,118.17	2,118.17	8.36	35.99	57.50	-1,580.67	5,913.47	6,000.54	5,956.44	44.10	136.073		
2,300.00	2,265.21	2,210.21	2,210.21	8.97	37.60	58.18	-1,580.67	5,913.47	5,978.50	5,932.25	46.24	129.286		
2,400.00	2,355.84	2,300.84	2,300.84	9.64	39.18	58.92	-1,580.67	5,913.47	5,954.85	5,906.45	48.40	123.023		
2,500.00	2,444.94	2,389.94	2,389.94	10.36	40.73	59.71	-1,580.67	5,913.47	5,929.69	5,879.10	50.59	117.219		
2,591.69	2,525.19	2,470.19	2,470.19	11.07	42.14	60.49	-1,580.67	5,913.47	5,905.34	5,852.74	52.61	112.257		
2,600.00	2,532.40	2,477.40	2,477.40	11.14	42.26	60.52	-1,580.67	5,913.47	5,903.09	5,850.30	52.79	111.821		
2,700.00	2,619.15	2,564.15	2,564.15	11.96	43.78	60.90	-1,580.67	5,913.47	5,876.07	5,821.05	55.02	106.803		
2,800.00	2,705.89	2,650.89	2,650.89	12.81	45.29	61.28	-1,580.67	5,913.47	5,849.36	5,792.08	57.27	102.134		
2,900.00	2,792.64	2,737.64	2,737.64	13.67	46.80	61.67	-1,580.67	5,913.47	5,822.94	5,763.40	59.55	97.787		
3,000.00	2,879.39	2,824.39	2,824.39	14.55	48.32	62.06	-1,580.67	5,913.47	5,796.84	5,734.99	61.84	93.734		
3,100.00	2,966.14	2,911.14	2,911.14	15.44	49.83	62.45	-1,580.67	5,913.47	5,771.04	5,706.88	64.16	89.952		
3,200.00	3,052.88	3,002.12	2,997.88	16.34	51.42	62.84	-1,580.67	5,913.47	5,745.56	5,679.00	66.56	86.321		
3,300.00	3,139.63	3,084.63	3,084.63	17.25	52.86	63.24	-1,580.67	5,913.47	5,720.40	5,651.57	68.83	83.108		
3,400.00	3,226.38	3,171.38	3,171.38	18.17	54.37	63.64	-1,580.67	5,913.47	5,695.56	5,624.37	71.19	80.007		
3,500.00	3,313.12	3,258.12	3,258.12	19.09	55.89	64.04	-1,580.67	5,913.47	5,671.05	5,597.49	73.56	77.097		
3,600.00	3,399.87	3,344.87	3,344.87	20.02	57.40	64.45	-1,580.67	5,913.47	5,646.87	5,570.93	75.94	74.361		
3,700.00	3,486.62	3,431.62	3,431.62	20.96	58.92	64.86	-1,580.67	5,913.47	5,623.03	5,544.70	78.33	71.787		
3,800.00	3,573.37	3,518.37	3,518.37	21.90	60.43	65.27	-1,580.67	5,913.47	5,599.52	5,518.79	80.73	69.360		
3,900.00	3,660.11	3,605.11	3,605.11	22.84	61.94	65.68	-1,580.67	5,913.47	5,576.37	5,493.23	83.14	67.071		
4,000.00	3,746.86	3,708.14	3,691.86	23.78	63.74	66.10	-1,580.67	5,913.47	5,553.56	5,467.71	85.84	64.693		
4,100.00	3,833.61	3,778.61	3,778.61	24.73	64.97	66.52	-1,580.67	5,913.47	5,531.10	5,443.12	87.99	62.862		
4,200.00	3,920.35	3,865.35	3,865.35	25.68	66.49	66.94	-1,580.67	5,913.47	5,509.01	5,418.58	90.42	60.924		
4,300.00	4,007.10	3,952.10	3,952.10	26.63	68.00	67.37	-1,580.67	5,913.47	5,487.27	5,394.40	92.87	59.087		
4,400.00	4,093.85	4,038.85	4,038.85	27.59	69.51	67.79	-1,580.67	5,913.47	5,465.90	5,370.59	95.32	57.344		
4,500.00	4,180.60	4,125.60	4,125.60	28.55	71.03	68.22	-1,580.67	5,913.47	5,444.91	5,347.13	97.78	55.688		
4,600.00	4,267.34	4,212.34	4,212.34	29.50	72.54	68.65	-1,580.67	5,913.47	5,424.28	5,324.04	100.24	54.113		
4,700.00	4,354.09	4,300.91	4,299.09	30.46	74.09	69.09	-1,580.67	5,913.47	5,404.04	5,301.30	102.74	52.598		
4,800.00	4,440.84	4,385.84	4,385.84	31.42	75.57	69.53	-1,580.67	5,913.47	5,384.18	5,278.99	105.19	51.187		
4,900.00	4,527.58	4,472.58	4,472.58	32.39	77.08	69.97	-1,580.67	5,913.47	5,364.71	5,257.04	107.67	49.825		
5,000.00	4,614.33	4,559.33	4,559.33	33.35	78.60	70.41	-1,580.67	5,913.47	5,345.63	5,235.47	110.16	48.527		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
5,100.00	4,701.08	4,646.08	4,646.08	34.31	80.11	70.85	-1,580.67	5,913.47	5,326.94	5,214.29	112.65	47.287		
5,200.00	4,787.82	4,732.82	4,732.82	35.28	81.63	71.30	-1,580.67	5,913.47	5,308.66	5,193.51	115.15	46.102		
5,300.00	4,874.57	4,819.57	4,819.57	36.25	83.14	71.75	-1,580.67	5,913.47	5,290.78	5,173.13	117.65	44.969		
5,400.00	4,961.32	4,906.32	4,906.32	37.21	84.65	72.20	-1,580.67	5,913.47	5,273.31	5,153.15	120.16	43.885		
5,500.00	5,048.07	5,006.93	4,993.07	38.18	86.41	72.66	-1,580.67	5,913.47	5,256.25	5,133.33	122.92	42.762		
5,600.00	5,134.81	5,079.81	5,079.81	39.15	87.68	73.12	-1,580.67	5,913.47	5,239.61	5,114.42	125.19	41.852		
5,700.00	5,221.56	5,166.56	5,166.56	40.12	89.20	73.57	-1,580.67	5,913.47	5,223.39	5,095.68	127.71	40.899		
5,800.00	5,308.31	5,253.31	5,253.31	41.09	90.71	74.04	-1,580.67	5,913.47	5,207.60	5,077.36	130.24	39.985		
5,900.00	5,395.05	5,340.05	5,340.05	42.06	92.22	74.50	-1,580.67	5,913.47	5,192.23	5,059.46	132.77	39.108		
6,000.00	5,481.80	5,426.80	5,426.80	43.03	93.74	74.96	-1,580.67	5,913.47	5,177.30	5,042.00	135.30	38.266		
6,100.00	5,568.55	5,513.55	5,513.55	44.00	95.25	75.43	-1,580.67	5,913.47	5,162.80	5,024.97	137.83	37.457		
6,200.00	5,655.30	5,600.30	5,600.30	44.97	96.77	75.90	-1,580.67	5,913.47	5,148.74	5,008.37	140.37	36.680		
6,300.00	5,742.04	5,687.04	5,687.04	45.94	98.28	76.37	-1,580.67	5,913.47	5,135.13	4,992.22	142.91	35.933		
6,400.00	5,828.79	5,773.79	5,773.79	46.92	99.79	76.84	-1,580.67	5,913.47	5,121.96	4,976.51	145.45	35.215		
6,500.00	5,915.54	5,860.54	5,860.54	47.89	101.31	77.32	-1,580.67	5,913.47	5,109.24	4,961.25	147.99	34.523		
6,600.00	6,002.28	5,947.28	5,947.28	48.86	102.82	77.80	-1,580.67	5,913.47	5,096.98	4,946.44	150.54	33.858		
6,700.00	6,089.03	6,034.03	6,034.03	49.83	104.34	78.27	-1,580.67	5,913.47	5,085.17	4,932.09	153.09	33.218		
6,800.00	6,175.78	6,120.78	6,120.78	50.81	105.85	78.75	-1,580.67	5,913.47	5,073.83	4,918.20	155.63	32.601		
6,900.00	6,262.53	6,207.53	6,207.53	51.78	107.36	79.24	-1,580.67	5,913.47	5,062.95	4,904.76	158.18	32.007		
7,000.00	6,349.27	6,305.73	6,294.27	52.76	109.08	79.72	-1,580.67	5,913.47	5,052.53	4,891.60	160.93	31.395		
7,100.00	6,436.02	6,381.02	6,381.02	53.73	110.39	80.20	-1,580.67	5,913.47	5,042.59	4,879.30	163.28	30.883		
7,200.00	6,522.77	6,467.77	6,467.77	54.71	111.91	80.69	-1,580.67	5,913.47	5,033.11	4,867.28	165.83	30.350		
7,300.00	6,609.51	6,554.51	6,554.51	55.68	113.42	81.18	-1,580.67	5,913.47	5,024.11	4,855.73	168.38	29.837		
7,400.00	6,696.26	6,641.26	6,641.26	56.66	114.93	81.67	-1,580.67	5,913.47	5,015.59	4,844.66	170.93	29.343		
7,500.00	6,783.01	6,728.01	6,728.01	57.63	116.45	82.16	-1,580.67	5,913.47	5,007.55	4,834.07	173.48	28.865		
7,600.00	6,869.76	6,814.76	6,814.76	58.61	117.96	82.65	-1,580.67	5,913.47	4,999.99	4,823.96	176.03	28.404		
7,683.49	6,942.18	6,887.18	6,887.18	59.42	119.23	83.06	-1,580.67	5,913.47	4,994.05	4,815.89	178.16	28.032		
7,700.00	6,956.57	6,901.57	6,901.57	59.58	119.48	80.62	-1,580.67	5,913.47	4,992.74	4,814.16	178.57	27.959		
7,750.00	7,000.85	6,945.85	6,945.85	60.04	120.25	72.07	-1,580.67	5,913.47	4,986.70	4,806.87	179.83	27.731		
7,800.00	7,045.94	7,009.06	6,990.94	60.46	121.35	61.83	-1,580.67	5,913.47	4,977.57	4,796.21	181.36	27.446		
7,850.00	7,091.49	7,036.49	7,036.49	60.84	121.83	50.27	-1,580.67	5,913.47	4,965.37	4,783.16	182.21	27.251		
7,900.00	7,137.15	7,082.15	7,082.15	61.17	122.63	38.13	-1,580.67	5,913.47	4,950.17	4,766.85	183.32	27.002		
7,950.00	7,182.58	7,127.58	7,127.58	61.44	123.42	26.29	-1,580.67	5,913.47	4,932.07	4,747.70	184.37	26.751		
8,000.00	7,227.43	7,172.43	7,172.43	61.67	124.21	15.36	-1,580.67	5,913.47	4,911.17	4,725.83	185.34	26.498		
8,050.00	7,271.36	7,216.36	7,216.36	61.84	124.97	5.57	-1,580.67	5,913.47	4,887.63	4,701.39	186.24	26.244		
8,100.00	7,314.04	7,259.04	7,259.04	61.96	125.72	-3.18	-1,580.67	5,913.47	4,861.61	4,674.56	187.05	25.991		
8,150.00	7,355.14	7,300.14	7,300.14	62.04	126.43	-11.13	-1,580.67	5,913.47	4,833.31	4,645.53	187.78	25.739		
8,200.00	7,394.34	7,339.34	7,339.34	62.07	127.12	-18.54	-1,580.67	5,913.47	4,802.96	4,614.54	188.42	25.491		
8,250.00	7,431.36	7,376.36	7,376.36	62.06	127.76	-25.64	-1,580.67	5,913.47	4,770.79	4,581.83	188.96	25.248		
8,300.00	7,465.90	7,410.90	7,410.90	62.01	128.37	-32.62	-1,580.67	5,913.47	4,737.08	4,547.68	189.40	25.010		
8,350.00	7,497.71	7,442.71	7,442.71	61.93	128.92	-39.57	-1,580.67	5,913.47	4,702.10	4,512.35	189.75	24.780		
8,400.00	7,526.53	7,471.53	7,471.53	61.81	129.43	-46.56	-1,580.67	5,913.47	4,666.16	4,476.16	190.00	24.559		
8,450.00	7,552.17	7,502.83	7,497.17	61.66	129.97	-53.54	-1,580.67	5,913.47	4,629.57	4,439.32	190.24	24.335		
8,500.00	7,574.41	7,519.41	7,519.41	61.48	130.26	-60.42	-1,580.67	5,913.47	4,592.64	4,402.45	190.19	24.148		
8,550.00	7,593.09	7,538.09	7,538.09	61.29	130.59	-67.07	-1,580.67	5,913.47	4,555.71	4,365.58	190.14	23.960		
8,600.00	7,608.07	7,553.07	7,553.07	61.07	130.85	-73.33	-1,580.67	5,913.47	4,519.11	4,329.12	189.98	23.787		
8,650.00	7,619.23	7,564.23	7,564.23	60.84	131.04	-79.08	-1,580.67	5,913.47	4,483.15	4,293.42	189.74	23.628		
8,700.00	7,626.48	7,571.48	7,571.48	60.60	131.17	-84.22	-1,580.67	5,913.47	4,448.17	4,258.78	189.39	23.486		
8,750.00	7,629.78	7,574.78	7,574.78	60.35	131.23	-88.68	-1,580.67	5,913.47	4,414.48	4,225.51	188.97	23.361		
8,766.45	7,630.00	7,575.00	7,575.00	60.27	131.23	-90.00	-1,580.67	5,913.47	4,403.73	4,214.92	188.80	23.324		
8,800.00	7,630.00	7,575.00	7,575.00	60.10	131.23	-90.00	-1,580.67	5,913.47	4,382.05	4,193.58	188.47	23.251		
8,900.00	7,630.00	7,575.00	7,575.00	59.61	131.23	-90.00	-1,580.67	5,913.47	4,318.35	4,130.88	187.46	23.036		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
9,000.00	7,630.00	7,575.00	7,575.00	59.15	131.23	-90.00	-1,580.67	5,913.47	4,256.04	4,069.59	186.45	22.826		
9,100.00	7,630.00	7,575.00	7,575.00	58.71	131.23	-90.00	-1,580.67	5,913.47	4,195.19	4,009.75	185.44	22.623		
9,200.00	7,630.00	7,575.00	7,575.00	58.30	131.23	-90.00	-1,580.67	5,913.47	4,135.87	3,951.44	184.43	22.425		
9,300.00	7,630.00	7,575.00	7,575.00	57.91	131.23	-90.00	-1,580.67	5,913.47	4,078.13	3,894.71	183.43	22.233		
9,400.00	7,630.00	7,575.00	7,575.00	57.54	131.23	-90.00	-1,580.67	5,913.47	4,022.06	3,839.62	182.44	22.046		
9,500.00	7,630.00	7,575.00	7,575.00	57.19	131.23	-90.00	-1,580.67	5,913.47	3,967.71	3,786.23	181.47	21.864		
9,600.00	7,630.00	7,575.00	7,575.00	56.87	131.23	-90.00	-1,580.67	5,913.47	3,915.16	3,734.61	180.54	21.685		
9,700.00	7,630.00	7,575.00	7,575.00	56.57	131.23	-90.00	-1,580.67	5,913.47	3,864.48	3,684.83	179.65	21.511		
9,800.00	7,630.00	7,575.00	7,575.00	56.30	131.23	-90.00	-1,580.67	5,913.47	3,815.75	3,636.94	178.82	21.339		
9,900.00	7,630.00	7,575.00	7,575.00	56.05	131.23	-90.00	-1,580.67	5,913.47	3,769.05	3,591.00	178.05	21.169		
10,000.00	7,630.00	7,575.00	7,575.00	55.82	131.23	-90.00	-1,580.67	5,913.47	3,724.44	3,547.09	177.35	21.000		
10,100.00	7,630.00	7,575.00	7,575.00	55.63	131.23	-90.00	-1,580.67	5,913.47	3,682.02	3,505.27	176.75	20.832		
10,200.00	7,630.00	7,575.00	7,575.00	55.46	131.23	-90.00	-1,580.67	5,913.47	3,641.84	3,465.59	176.25	20.663		
10,300.00	7,630.00	7,575.00	7,575.00	55.32	131.23	-90.00	-1,580.67	5,913.47	3,603.99	3,428.12	175.87	20.492		
10,400.00	7,630.00	7,575.00	7,575.00	55.22	131.23	-90.00	-1,580.67	5,913.47	3,568.55	3,392.92	175.63	20.319		
10,500.00	7,630.00	7,575.00	7,575.00	55.15	131.23	-90.00	-1,580.67	5,913.47	3,535.57	3,360.05	175.52	20.143		
10,600.00	7,630.00	7,575.00	7,575.00	55.14	131.23	-90.00	-1,580.67	5,913.47	3,505.14	3,329.57	175.57	19.964		
10,700.00	7,630.00	7,575.00	7,575.00	55.18	131.23	-90.00	-1,580.67	5,913.47	3,477.33	3,301.55	175.78	19.782		
10,800.00	7,630.00	7,575.00	7,575.00	55.28	131.23	-90.00	-1,580.67	5,913.47	3,452.18	3,276.03	176.15	19.598		
10,900.00	7,630.00	7,575.00	7,575.00	55.47	131.23	-90.00	-1,580.67	5,913.47	3,429.77	3,253.08	176.69	19.411		
11,000.00	7,630.00	7,575.00	7,575.00	55.74	131.23	-90.00	-1,580.67	5,913.47	3,410.14	3,232.75	177.39	19.223		
11,100.00	7,630.00	7,575.00	7,575.00	56.11	131.23	-90.00	-1,580.67	5,913.47	3,393.35	3,215.09	178.26	19.036		
11,200.00	7,630.00	7,575.00	7,575.00	56.60	131.23	-90.00	-1,580.67	5,913.47	3,379.44	3,200.17	179.27	18.851		
11,300.00	7,630.00	7,575.00	7,575.00	57.20	131.23	-90.00	-1,580.67	5,913.47	3,368.43	3,188.01	180.42	18.670		
11,400.00	7,630.00	7,575.00	7,575.00	57.91	131.23	-90.00	-1,580.67	5,913.47	3,360.37	3,178.67	181.71	18.494		
11,500.00	7,630.00	7,575.00	7,575.00	58.72	131.23	-90.00	-1,580.67	5,913.47	3,355.27	3,172.17	183.10	18.325		
11,600.00	7,630.00	7,575.00	7,575.00	59.63	131.23	-90.00	-1,580.67	5,913.47	3,353.15	3,168.55	184.60	18.165		
11,621.21	7,630.00	7,575.00	7,575.00	59.83	131.23	-90.00	-1,580.67	5,913.47	3,353.08	3,168.16	184.93	18.132 CC		
11,700.00	7,630.00	7,575.00	7,575.00	60.61	131.23	-90.00	-1,580.67	5,913.47	3,354.01	3,167.83	186.18	18.015 ES		
11,800.00	7,630.00	7,575.00	7,575.00	61.67	131.23	-90.00	-1,580.67	5,913.47	3,357.85	3,170.02	187.83	17.878		
11,900.00	7,630.00	7,575.00	7,575.00	62.78	131.23	-90.00	-1,580.67	5,913.47	3,364.66	3,175.13	189.53	17.753		
12,000.00	7,630.00	7,575.00	7,575.00	63.95	131.23	-90.00	-1,580.67	5,913.47	3,374.41	3,183.14	191.27	17.642		
12,100.00	7,630.00	7,575.00	7,575.00	65.16	131.23	-90.00	-1,580.67	5,913.47	3,387.10	3,194.06	193.04	17.546		
12,200.00	7,630.00	7,575.00	7,575.00	66.41	131.23	-90.00	-1,580.67	5,913.47	3,402.67	3,207.85	194.82	17.466		
12,300.00	7,630.00	7,575.00	7,575.00	67.68	131.23	-90.00	-1,580.67	5,913.47	3,421.10	3,224.50	196.61	17.401		
12,400.00	7,630.00	7,575.00	7,575.00	68.99	131.23	-90.00	-1,580.67	5,913.47	3,442.34	3,243.96	198.38	17.352		
12,500.00	7,630.00	7,575.00	7,575.00	70.33	131.23	-90.00	-1,580.67	5,913.47	3,466.33	3,266.19	200.14	17.319		
12,600.00	7,630.00	7,575.00	7,575.00	71.68	131.23	-90.00	-1,580.67	5,913.47	3,493.02	3,291.15	201.88	17.303		
12,700.00	7,630.00	7,575.00	7,575.00	73.06	131.23	-90.00	-1,580.67	5,913.47	3,522.35	3,318.78	203.58	17.302 SF		
12,800.00	7,630.00	7,575.00	7,575.00	74.45	131.23	-90.00	-1,580.67	5,913.47	3,554.26	3,349.02	205.24	17.318		
12,900.00	7,630.00	7,575.00	7,575.00	75.87	131.23	-90.00	-1,580.67	5,913.47	3,588.66	3,381.80	206.86	17.348		
13,000.00	7,630.00	7,575.00	7,575.00	77.29	131.23	-90.00	-1,580.67	5,913.47	3,625.50	3,417.07	208.43	17.394		
13,100.00	7,630.00	7,575.00	7,575.00	78.74	131.23	-90.00	-1,580.67	5,913.47	3,664.70	3,454.75	209.95	17.455		
13,200.00	7,630.00	7,575.00	7,575.00	80.19	131.23	-90.00	-1,580.67	5,913.47	3,706.18	3,494.76	211.42	17.530		
13,300.00	7,630.00	7,575.00	7,575.00	81.66	131.23	-90.00	-1,580.67	5,913.47	3,749.87	3,537.03	212.84	17.619		
13,400.00	7,630.00	7,575.00	7,575.00	83.14	131.23	-90.00	-1,580.67	5,913.47	3,795.69	3,581.50	214.19	17.721		
13,500.00	7,630.00	7,575.00	7,575.00	84.63	131.23	-90.00	-1,580.67	5,913.47	3,843.57	3,628.08	215.50	17.836		
13,600.00	7,630.00	7,575.00	7,575.00	86.14	131.23	-90.00	-1,580.67	5,913.47	3,893.43	3,676.69	216.74	17.963		
13,700.00	7,630.00	7,575.00	7,575.00	87.65	131.23	-90.00	-1,580.67	5,913.47	3,945.20	3,727.26	217.94	18.103		
13,800.00	7,630.00	7,575.00	7,575.00	89.17	131.23	-90.00	-1,580.67	5,913.47	3,998.79	3,779.72	219.07	18.253		
13,900.00	7,630.00	7,575.00	7,575.00	90.70	131.23	-90.00	-1,580.67	5,913.47	4,054.14	3,833.99	220.15	18.415		
14,000.00	7,630.00	7,575.00	7,575.00	92.24	131.23	-90.00	-1,580.67	5,913.47	4,111.19	3,890.00	221.18	18.587		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
14,100.00	7,630.00	7,575.00	7,575.00	93.78	131.23	-90.00	-1,580.67	5,913.47	4,169.84	3,947.68	222.16	18.769		
14,200.00	7,630.00	7,575.00	7,575.00	95.33	131.23	-90.00	-1,580.67	5,913.47	4,230.05	4,006.96	223.09	18.961		
14,300.00	7,630.00	7,575.00	7,575.00	96.89	131.23	-90.00	-1,580.67	5,913.47	4,291.75	4,067.77	223.98	19.162		
14,400.00	7,630.00	7,575.00	7,575.00	98.46	131.23	-90.00	-1,580.67	5,913.47	4,354.87	4,130.06	224.81	19.371		
14,500.00	7,630.00	7,575.00	7,575.00	100.03	131.23	-90.00	-1,580.67	5,913.47	4,419.35	4,193.74	225.61	19.589		
14,600.00	7,630.00	7,575.00	7,575.00	101.61	131.23	-90.00	-1,580.67	5,913.47	4,485.13	4,258.77	226.36	19.814		
14,700.00	7,630.00	7,575.00	7,575.00	103.20	131.23	-90.00	-1,580.67	5,913.47	4,552.16	4,325.09	227.07	20.048		
14,800.00	7,630.00	7,575.00	7,575.00	104.78	131.23	-90.00	-1,580.67	5,913.47	4,620.38	4,392.64	227.74	20.288		
14,900.00	7,630.00	7,575.00	7,575.00	106.38	131.23	-90.00	-1,580.67	5,913.47	4,689.74	4,461.37	228.37	20.535		
15,000.00	7,630.00	7,575.00	7,575.00	107.98	131.23	-90.00	-1,580.67	5,913.47	4,760.19	4,531.22	228.98	20.789		
15,100.00	7,630.00	7,575.00	7,575.00	109.58	131.23	-90.00	-1,580.67	5,913.47	4,831.69	4,602.14	229.54	21.049		
15,200.00	7,630.00	7,575.00	7,575.00	111.19	131.23	-90.00	-1,580.67	5,913.47	4,904.18	4,674.10	230.08	21.315		
15,300.00	7,630.00	7,575.00	7,575.00	112.81	131.23	-90.00	-1,580.67	5,913.47	4,977.62	4,747.03	230.59	21.587		
15,400.00	7,630.00	7,575.00	7,575.00	114.42	131.23	-90.00	-1,580.67	5,913.47	5,051.98	4,820.91	231.07	21.864		
15,500.00	7,630.00	7,575.00	7,575.00	116.05	131.23	-90.00	-1,580.67	5,913.47	5,127.20	4,895.68	231.52	22.146		
15,600.00	7,630.00	7,575.00	7,575.00	117.67	131.23	-90.00	-1,580.67	5,913.47	5,203.27	4,971.32	231.95	22.433		
15,700.00	7,630.00	7,575.00	7,575.00	119.30	131.23	-90.00	-1,580.67	5,913.47	5,280.13	5,047.77	232.35	22.725		
15,800.00	7,630.00	7,575.00	7,575.00	120.93	131.23	-90.00	-1,580.67	5,913.47	5,357.75	5,125.02	232.74	23.021		
15,900.00	7,630.00	7,575.00	7,575.00	122.57	131.23	-90.00	-1,580.67	5,913.47	5,436.11	5,203.01	233.10	23.321		
16,000.00	7,630.00	7,575.00	7,575.00	124.21	131.23	-90.00	-1,580.67	5,913.47	5,515.16	5,281.73	233.44	23.626		
16,100.00	7,630.00	7,575.00	7,575.00	125.85	131.23	-90.00	-1,580.67	5,913.47	5,594.89	5,361.13	233.76	23.934		
16,200.00	7,630.00	7,575.00	7,575.00	127.50	131.23	-90.00	-1,580.67	5,913.47	5,675.26	5,441.19	234.07	24.246		
16,300.00	7,630.00	7,575.00	7,575.00	129.15	131.23	-90.00	-1,580.67	5,913.47	5,756.24	5,521.89	234.35	24.562		
16,400.00	7,630.00	7,575.00	7,575.00	130.80	131.23	-90.00	-1,580.67	5,913.47	5,837.81	5,603.19	234.63	24.881		
16,500.00	7,630.00	7,575.00	7,575.00	132.46	131.23	-90.00	-1,580.67	5,913.47	5,919.95	5,685.07	234.88	25.204		
16,600.00	7,630.00	7,575.00	7,575.00	134.11	131.23	-90.00	-1,580.67	5,913.47	6,002.63	5,767.50	235.13	25.529		
16,700.00	7,630.00	7,575.00	7,575.00	135.77	131.23	-90.00	-1,580.67	5,913.47	6,085.83	5,850.47	235.36	25.858		
16,800.00	7,630.00	7,575.00	7,575.00	137.43	131.23	-90.00	-1,580.67	5,913.47	6,169.53	5,933.95	235.58	26.189		
16,900.00	7,630.00	7,575.00	7,575.00	139.10	131.23	-90.00	-1,580.67	5,913.47	6,253.71	6,017.92	235.79	26.523		
17,000.00	7,630.00	7,575.00	7,575.00	140.77	131.23	-90.00	-1,580.67	5,913.47	6,338.34	6,102.36	235.98	26.860		
17,100.00	7,630.00	7,575.00	7,575.00	142.44	131.23	-90.00	-1,580.67	5,913.47	6,423.42	6,187.26	236.17	27.199		
17,200.00	7,630.00	7,575.00	7,575.00	144.11	131.23	-90.00	-1,580.67	5,913.47	6,508.93	6,272.58	236.34	27.540		
17,300.00	7,630.00	7,575.00	7,575.00	145.78	131.23	-90.00	-1,580.67	5,913.47	6,594.84	6,358.33	236.51	27.884		
17,400.00	7,630.00	7,575.00	7,575.00	147.46	131.23	-90.00	-1,580.67	5,913.47	6,681.14	6,444.47	236.67	28.230		
17,500.00	7,630.00	7,575.00	7,575.00	149.13	131.23	-90.00	-1,580.67	5,913.47	6,767.82	6,531.00	236.82	28.578		
17,600.00	7,630.00	7,575.00	7,575.00	150.81	131.23	-90.00	-1,580.67	5,913.47	6,854.86	6,617.90	236.96	28.928		
17,700.00	7,630.00	7,575.00	7,575.00	152.49	131.23	-90.00	-1,580.67	5,913.47	6,942.26	6,705.16	237.10	29.280		
17,800.00	7,630.00	7,575.00	7,575.00	154.18	131.23	-90.00	-1,580.67	5,913.47	7,029.99	6,792.76	237.23	29.634		
17,900.00	7,630.00	7,575.00	7,575.00	155.86	131.23	-90.00	-1,580.67	5,913.47	7,118.04	6,880.69	237.35	29.990		
18,000.00	7,630.00	7,575.00	7,575.00	157.55	131.23	-90.00	-1,580.67	5,913.47	7,206.40	6,968.94	237.46	30.347		
18,100.00	7,630.00	7,575.00	7,575.00	159.24	131.23	-90.00	-1,580.67	5,913.47	7,295.06	7,057.49	237.57	30.706		
18,200.00	7,630.00	7,575.00	7,575.00	160.92	131.23	-90.00	-1,580.67	5,913.47	7,384.02	7,146.34	237.68	31.067		
18,300.00	7,630.00	7,575.00	7,575.00	162.62	131.23	-90.00	-1,580.67	5,913.47	7,473.25	7,235.47	237.78	31.429		
18,400.00	7,630.00	7,575.00	7,575.00	164.31	131.23	-90.00	-1,580.67	5,913.47	7,562.75	7,324.88	237.87	31.793		
18,458.39	7,630.00	7,575.00	7,575.00	165.30	131.23	-90.00	-1,580.67	5,913.47	7,615.14	7,377.21	237.93	32.006		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	114.83	-2,506.81	5,416.64	5,968.79					
100.00	100.00	51.00	51.00	0.13	0.39	114.83	-2,506.81	5,416.64	5,968.59	5,968.06	0.53	N/A		
200.00	200.00	151.00	151.00	0.49	1.66	114.83	-2,506.81	5,416.64	5,968.59	5,966.44	2.15	2,774.845		
300.00	300.00	251.00	251.00	0.85	3.40	114.83	-2,506.81	5,416.64	5,968.59	5,964.33	4.25	1,402.801		
400.00	400.00	351.00	351.00	1.21	5.15	114.83	-2,506.81	5,416.64	5,968.59	5,962.23	6.36	938.669		
500.00	500.00	451.00	451.00	1.57	6.89	114.83	-2,506.81	5,416.64	5,968.59	5,960.13	8.46	705.310		
600.00	600.00	551.00	551.00	1.93	8.64	114.83	-2,506.81	5,416.64	5,968.59	5,958.02	10.57	564.877		
700.00	700.00	651.00	651.00	2.29	10.38	114.83	-2,506.81	5,416.64	5,968.59	5,955.92	12.67	471.082		
800.00	800.00	751.00	751.00	2.64	12.13	114.83	-2,506.81	5,416.64	5,968.59	5,953.81	14.77	403.999		
900.00	900.00	851.00	851.00	3.00	13.88	114.83	-2,506.81	5,416.64	5,968.59	5,951.71	16.88	353.640		
1,000.00	1,000.00	951.00	951.00	3.36	15.62	114.83	-2,506.81	5,416.64	5,968.59	5,949.61	18.98	314.445		
1,100.00	1,100.00	1,051.00	1,051.00	3.72	17.37	114.83	-2,506.81	5,416.64	5,968.59	5,947.50	21.09	283.070		
1,200.00	1,199.98	1,150.98	1,150.98	4.07	19.11	63.80	-2,506.81	5,416.64	5,967.82	5,944.63	23.19	257.399		
1,300.00	1,299.84	1,250.84	1,250.84	4.43	20.85	63.88	-2,506.81	5,416.64	5,965.51	5,940.23	25.28	235.969		
1,400.00	1,399.45	1,350.45	1,350.45	4.79	22.59	64.03	-2,506.81	5,416.64	5,961.67	5,934.29	27.38	217.774		
1,500.00	1,498.70	1,449.70	1,449.70	5.15	24.32	64.23	-2,506.81	5,416.64	5,956.32	5,926.85	29.47	202.116		
1,600.00	1,597.47	1,548.47	1,548.47	5.53	26.05	64.48	-2,506.81	5,416.64	5,949.48	5,917.91	31.57	188.481		
1,700.00	1,695.62	1,646.62	1,646.62	5.93	27.76	64.80	-2,506.81	5,416.64	5,941.18	5,907.52	33.66	176.482		
1,800.00	1,793.06	1,744.06	1,744.06	6.35	29.46	65.17	-2,506.81	5,416.64	5,931.46	5,895.69	35.77	165.824		
1,900.00	1,889.64	1,840.64	1,840.64	6.79	31.15	65.59	-2,506.81	5,416.64	5,920.37	5,882.49	37.88	156.277		
2,000.00	1,985.27	1,936.27	1,936.27	7.27	32.82	66.07	-2,506.81	5,416.64	5,907.95	5,867.94	40.01	147.662		
2,100.00	2,079.82	2,030.82	2,030.82	7.79	34.47	66.60	-2,506.81	5,416.64	5,894.26	5,852.11	42.15	139.835		
2,200.00	2,173.17	2,124.17	2,124.17	8.36	36.10	67.18	-2,506.81	5,416.64	5,879.36	5,835.05	44.31	132.683		
2,300.00	2,265.21	2,216.21	2,216.21	8.97	37.70	67.81	-2,506.81	5,416.64	5,863.32	5,816.83	46.49	126.115		
2,400.00	2,355.84	2,306.84	2,306.84	9.64	39.28	68.48	-2,506.81	5,416.64	5,846.22	5,797.52	48.70	120.054		
2,500.00	2,444.94	2,404.06	2,395.94	10.36	40.98	69.20	-2,506.81	5,416.64	5,828.13	5,777.06	51.07	114.121		
2,591.69	2,525.19	2,476.19	2,476.19	11.07	42.24	69.90	-2,506.81	5,416.64	5,810.75	5,757.75	53.00	109.641		
2,600.00	2,532.40	2,483.40	2,483.40	11.14	42.37	69.93	-2,506.81	5,416.64	5,809.15	5,755.96	53.19	109.221		
2,700.00	2,619.15	2,570.15	2,570.15	11.96	43.88	70.34	-2,506.81	5,416.64	5,790.02	5,734.55	55.47	104.373		
2,800.00	2,705.89	2,656.89	2,656.89	12.81	45.39	70.75	-2,506.81	5,416.64	5,771.26	5,713.47	57.79	99.870		
2,900.00	2,792.64	2,743.64	2,743.64	13.67	46.91	71.16	-2,506.81	5,416.64	5,752.87	5,692.75	60.12	95.684		
3,000.00	2,879.39	2,830.39	2,830.39	14.55	48.42	71.58	-2,506.81	5,416.64	5,734.85	5,672.37	62.48	91.789		
3,100.00	2,966.14	2,917.14	2,917.14	15.44	49.94	72.00	-2,506.81	5,416.64	5,717.21	5,652.36	64.85	88.160		
3,200.00	3,052.88	3,003.88	3,003.88	16.34	51.45	72.41	-2,506.81	5,416.64	5,699.94	5,632.71	67.24	84.774		
3,300.00	3,139.63	3,109.37	3,090.63	17.25	53.29	72.84	-2,506.81	5,416.64	5,683.06	5,613.10	69.96	81.230		
3,400.00	3,226.38	3,177.38	3,177.38	18.17	54.48	73.26	-2,506.81	5,416.64	5,666.57	5,594.52	72.05	78.652		
3,500.00	3,313.12	3,264.12	3,264.12	19.09	55.99	73.68	-2,506.81	5,416.64	5,650.47	5,576.00	74.47	75.878		
3,600.00	3,399.87	3,350.87	3,350.87	20.02	57.51	74.11	-2,506.81	5,416.64	5,634.76	5,557.86	76.90	73.276		
3,700.00	3,486.62	3,437.62	3,437.62	20.96	59.02	74.54	-2,506.81	5,416.64	5,619.44	5,540.11	79.34	70.830		
3,800.00	3,573.37	3,524.37	3,524.37	21.90	60.53	74.97	-2,506.81	5,416.64	5,604.53	5,522.75	81.78	68.529		
3,900.00	3,660.11	3,611.11	3,611.11	22.84	62.05	75.40	-2,506.81	5,416.64	5,590.02	5,505.78	84.24	66.360		
4,000.00	3,746.86	3,702.14	3,697.86	23.78	63.64	75.83	-2,506.81	5,416.64	5,575.91	5,489.14	86.77	64.259		
4,100.00	3,833.61	3,784.61	3,784.61	24.73	65.08	76.27	-2,506.81	5,416.64	5,562.22	5,473.05	89.16	62.382		
4,200.00	3,920.35	3,871.35	3,871.35	25.68	66.59	76.70	-2,506.81	5,416.64	5,548.93	5,457.30	91.64	60.554		
4,300.00	4,007.10	3,958.10	3,958.10	26.63	68.10	77.14	-2,506.81	5,416.64	5,536.07	5,441.95	94.11	58.823		
4,400.00	4,093.85	4,044.85	4,044.85	27.59	69.62	77.58	-2,506.81	5,416.64	5,523.62	5,427.02	96.59	57.183		
4,500.00	4,180.60	4,131.60	4,131.60	28.55	71.13	78.02	-2,506.81	5,416.64	5,511.59	5,412.51	99.08	55.627		
4,600.00	4,267.34	4,218.34	4,218.34	29.50	72.65	78.47	-2,506.81	5,416.64	5,499.98	5,398.41	101.57	54.150		
4,700.00	4,354.09	4,305.09	4,305.09	30.46	74.16	78.91	-2,506.81	5,416.64	5,488.80	5,384.74	104.06	52.745		
4,800.00	4,440.84	4,408.16	4,391.84	31.42	75.96	79.35	-2,506.81	5,416.64	5,478.05	5,371.21	106.84	51.271		
4,900.00	4,527.58	4,478.58	4,478.58	32.39	77.19	79.80	-2,506.81	5,416.64	5,467.73	5,358.67	109.06	50.135		
5,000.00	4,614.33	4,565.33	4,565.33	33.35	78.70	80.25	-2,506.81	5,416.64	5,457.85	5,346.29	111.56	48.922		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,701.08	4,652.08	4,652.08	34.31	80.22	80.70	-2,506.81	5,416.64	5,448.40	5,334.33	114.07	47.765		
5,200.00	4,787.82	4,738.82	4,738.82	35.28	81.73	81.15	-2,506.81	5,416.64	5,439.39	5,322.82	116.57	46.661		
5,300.00	4,874.57	4,825.57	4,825.57	36.25	83.24	81.60	-2,506.81	5,416.64	5,430.82	5,311.74	119.08	45.606		
5,400.00	4,961.32	4,912.32	4,912.32	37.21	84.76	82.05	-2,506.81	5,416.64	5,422.70	5,301.11	121.59	44.598		
5,500.00	5,048.07	5,000.93	4,999.07	38.18	86.31	82.51	-2,506.81	5,416.64	5,415.01	5,290.88	124.13	43.623		
5,600.00	5,134.81	5,085.81	5,085.81	39.15	87.79	82.96	-2,506.81	5,416.64	5,407.78	5,281.17	126.61	42.711		
5,700.00	5,221.56	5,172.56	5,172.56	40.12	89.30	83.42	-2,506.81	5,416.64	5,400.99	5,271.87	129.12	41.828		
5,800.00	5,308.31	5,259.31	5,259.31	41.09	90.81	83.87	-2,506.81	5,416.64	5,394.66	5,263.02	131.64	40.981		
5,900.00	5,395.05	5,346.05	5,346.05	42.06	92.33	84.33	-2,506.81	5,416.64	5,388.77	5,254.62	134.15	40.170		
6,000.00	5,481.80	5,432.80	5,432.80	43.03	93.84	84.79	-2,506.81	5,416.64	5,383.34	5,246.68	136.66	39.392		
6,100.00	5,568.55	5,519.55	5,519.55	44.00	95.36	85.25	-2,506.81	5,416.64	5,378.37	5,239.19	139.17	38.645		
6,200.00	5,655.30	5,606.30	5,606.30	44.97	96.87	85.70	-2,506.81	5,416.64	5,373.85	5,232.16	141.69	37.928		
6,300.00	5,742.04	5,706.96	5,693.04	45.94	98.63	86.16	-2,506.81	5,416.64	5,369.79	5,225.35	144.44	37.177		
6,400.00	5,828.79	5,779.79	5,779.79	46.92	99.90	86.62	-2,506.81	5,416.64	5,366.18	5,219.47	146.71	36.577		
6,500.00	5,915.54	5,866.54	5,866.54	47.89	101.41	87.08	-2,506.81	5,416.64	5,363.04	5,213.82	149.22	35.942		
6,600.00	6,002.28	5,953.28	5,953.28	48.86	102.93	87.55	-2,506.81	5,416.64	5,360.35	5,208.63	151.72	35.330		
6,700.00	6,089.03	6,040.03	6,040.03	49.83	104.44	88.01	-2,506.81	5,416.64	5,358.13	5,203.90	154.23	34.742		
6,800.00	6,175.78	6,126.78	6,126.78	50.81	105.96	88.47	-2,506.81	5,416.64	5,356.36	5,199.63	156.73	34.176		
6,900.00	6,262.53	6,213.53	6,213.53	51.78	107.47	88.93	-2,506.81	5,416.64	5,355.06	5,195.83	159.23	33.631		
7,000.00	6,349.27	6,300.27	6,300.27	52.76	108.98	89.39	-2,506.81	5,416.64	5,354.22	5,192.49	161.73	33.106		
7,100.00	6,436.02	6,387.02	6,387.02	53.73	110.50	89.85	-2,506.81	5,416.64	5,353.84	5,189.62	164.22	32.601		
7,131.79	6,463.60	6,414.60	6,414.60	54.04	110.98	90.00	-2,506.81	5,416.64	5,353.82	5,188.80	165.02	32.444		
7,200.00	6,522.77	6,473.77	6,473.77	54.71	112.01	90.32	-2,506.81	5,416.64	5,353.93	5,187.21	166.72	32.114		
7,300.00	6,609.51	6,560.51	6,560.51	55.68	113.53	90.78	-2,506.81	5,416.64	5,354.47	5,185.27	169.21	31.645		
7,400.00	6,696.26	6,647.26	6,647.26	56.66	115.04	91.24	-2,506.81	5,416.64	5,355.48	5,183.79	171.69	31.192		
7,500.00	6,783.01	6,734.01	6,734.01	57.63	116.55	91.70	-2,506.81	5,416.64	5,356.95	5,182.78	174.17	30.756		
7,600.00	6,869.76	6,820.76	6,820.76	58.61	118.07	92.16	-2,506.81	5,416.64	5,358.88	5,182.23	176.65	30.336		
7,683.49	6,942.18	6,906.82	6,893.18	59.42	119.57	92.55	-2,506.81	5,416.64	5,360.85	5,181.89	178.96	29.956		
7,700.00	6,956.57	6,907.57	6,907.57	59.58	119.58	90.20	-2,506.81	5,416.64	5,361.07	5,181.95	179.13	29.929		
7,750.00	7,000.85	6,951.85	6,951.85	60.04	120.36	81.96	-2,506.81	5,416.64	5,359.38	5,179.03	180.35	29.716		
7,800.00	7,045.94	7,003.06	6,996.94	60.46	121.25	72.05	-2,506.81	5,416.64	5,354.11	5,172.45	181.66	29.473		
7,850.00	7,091.49	7,042.49	7,042.49	60.84	121.94	60.87	-2,506.81	5,416.64	5,345.28	5,162.55	182.73	29.253		
7,900.00	7,137.15	7,088.15	7,088.15	61.17	122.73	49.15	-2,506.81	5,416.64	5,332.91	5,149.06	183.85	29.006		
7,950.00	7,182.58	7,133.58	7,133.58	61.44	123.53	37.78	-2,506.81	5,416.64	5,317.10	5,132.17	184.93	28.752		
8,000.00	7,227.43	7,178.43	7,178.43	61.67	124.31	27.38	-2,506.81	5,416.64	5,297.93	5,111.99	185.94	28.492		
8,050.00	7,271.36	7,222.36	7,222.36	61.84	125.08	18.15	-2,506.81	5,416.64	5,275.54	5,088.65	186.89	28.228		
8,100.00	7,314.04	7,265.04	7,265.04	61.96	125.82	10.01	-2,506.81	5,416.64	5,250.09	5,062.32	187.77	27.960		
8,150.00	7,355.14	7,306.14	7,306.14	62.04	126.54	2.69	-2,506.81	5,416.64	5,221.75	5,033.18	188.57	27.691		
8,200.00	7,394.34	7,345.34	7,345.34	62.07	127.22	-4.10	-2,506.81	5,416.64	5,190.75	5,001.45	189.29	27.422		
8,250.00	7,431.36	7,382.36	7,382.36	62.06	127.87	-10.65	-2,506.81	5,416.64	5,157.31	4,967.38	189.93	27.154		
8,300.00	7,465.90	7,416.90	7,416.90	62.01	128.47	-17.22	-2,506.81	5,416.64	5,121.70	4,931.22	190.48	26.888		
8,350.00	7,497.71	7,448.71	7,448.71	61.93	129.03	-24.04	-2,506.81	5,416.64	5,084.20	4,893.26	190.94	26.627		
8,400.00	7,526.53	7,477.53	7,477.53	61.81	129.53	-31.29	-2,506.81	5,416.64	5,045.11	4,853.79	191.31	26.371		
8,450.00	7,552.17	7,503.17	7,503.17	61.66	129.98	-39.07	-2,506.81	5,416.64	5,004.74	4,813.15	191.59	26.123		
8,500.00	7,574.41	7,525.41	7,525.41	61.48	130.37	-47.38	-2,506.81	5,416.64	4,963.43	4,771.66	191.77	25.882		
8,550.00	7,593.09	7,544.09	7,544.09	61.29	130.69	-56.05	-2,506.81	5,416.64	4,921.52	4,729.66	191.86	25.652		
8,600.00	7,608.07	7,559.07	7,559.07	61.07	130.95	-64.81	-2,506.81	5,416.64	4,879.36	4,687.51	191.85	25.433		
8,650.00	7,619.23	7,570.23	7,570.23	60.84	131.15	-73.26	-2,506.81	5,416.64	4,837.30	4,645.55	191.75	25.227		
8,700.00	7,626.48	7,577.48	7,577.48	60.60	131.27	-81.06	-2,506.81	5,416.64	4,795.69	4,604.13	191.56	25.035		
8,750.00	7,629.78	7,580.78	7,580.78	60.35	131.33	-87.96	-2,506.81	5,416.64	4,754.89	4,563.61	191.28	24.858		
8,766.45	7,630.00	7,581.00	7,581.00	60.27	131.34	-90.00	-2,506.81	5,416.64	4,741.70	4,550.53	191.17	24.804		
8,800.00	7,630.00	7,581.00	7,581.00	60.10	131.34	-90.00	-2,506.81	5,416.64	4,714.98	4,524.04	190.94	24.694		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
8,900.00	7,630.00	7,581.00	7,581.00	59.61	131.34	-90.00	-2,506.81	5,416.64	4,635.86	4,445.64	190.23	24.370		
9,000.00	7,630.00	7,581.00	7,581.00	59.15	131.34	-90.00	-2,506.81	5,416.64	4,557.57	4,368.06	189.51	24.050		
9,100.00	7,630.00	7,581.00	7,581.00	58.71	131.34	-90.00	-2,506.81	5,416.64	4,480.14	4,291.37	188.77	23.733		
9,200.00	7,630.00	7,581.00	7,581.00	58.30	131.34	-90.00	-2,506.81	5,416.64	4,403.62	4,215.59	188.03	23.420		
9,300.00	7,630.00	7,581.00	7,581.00	57.91	131.34	-90.00	-2,506.81	5,416.64	4,328.05	4,140.78	187.27	23.111		
9,400.00	7,630.00	7,581.00	7,581.00	57.54	131.34	-90.00	-2,506.81	5,416.64	4,253.50	4,066.98	186.51	22.805		
9,500.00	7,630.00	7,581.00	7,581.00	57.19	131.34	-90.00	-2,506.81	5,416.64	4,180.00	3,994.25	185.75	22.503		
9,600.00	7,630.00	7,581.00	7,581.00	56.87	131.34	-90.00	-2,506.81	5,416.64	4,107.63	3,922.64	184.99	22.205		
9,700.00	7,630.00	7,581.00	7,581.00	56.57	131.34	-90.00	-2,506.81	5,416.64	4,036.44	3,852.21	184.23	21.910		
9,800.00	7,630.00	7,581.00	7,581.00	56.30	131.34	-90.00	-2,506.81	5,416.64	3,966.49	3,783.01	183.47	21.619		
9,900.00	7,630.00	7,581.00	7,581.00	56.05	131.34	-90.00	-2,506.81	5,416.64	3,897.85	3,715.11	182.73	21.331		
10,000.00	7,630.00	7,581.00	7,581.00	55.82	131.34	-90.00	-2,506.81	5,416.64	3,830.59	3,648.57	182.02	21.045		
10,100.00	7,630.00	7,581.00	7,581.00	55.63	131.34	-90.00	-2,506.81	5,416.64	3,764.79	3,583.46	181.32	20.763		
10,200.00	7,630.00	7,581.00	7,581.00	55.46	131.34	-90.00	-2,506.81	5,416.64	3,700.52	3,519.85	180.67	20.483		
10,300.00	7,630.00	7,581.00	7,581.00	55.32	131.34	-90.00	-2,506.81	5,416.64	3,637.86	3,457.80	180.06	20.204		
10,400.00	7,630.00	7,581.00	7,581.00	55.22	131.34	-90.00	-2,506.81	5,416.64	3,576.90	3,397.40	179.50	19.927		
10,500.00	7,630.00	7,581.00	7,581.00	55.15	131.34	-90.00	-2,506.81	5,416.64	3,517.73	3,338.72	179.01	19.651		
10,600.00	7,630.00	7,581.00	7,581.00	55.14	131.34	-90.00	-2,506.81	5,416.64	3,460.44	3,281.84	178.60	19.375		
10,700.00	7,630.00	7,581.00	7,581.00	55.18	131.34	-90.00	-2,506.81	5,416.64	3,405.12	3,226.83	178.28	19.100		
10,800.00	7,630.00	7,581.00	7,581.00	55.28	131.34	-90.00	-2,506.81	5,416.64	3,351.87	3,173.80	178.07	18.823		
10,900.00	7,630.00	7,581.00	7,581.00	55.47	131.34	-90.00	-2,506.81	5,416.64	3,300.79	3,122.81	177.98	18.546		
11,000.00	7,630.00	7,581.00	7,581.00	55.74	131.34	-90.00	-2,506.81	5,416.64	3,251.99	3,073.97	178.01	18.268		
11,100.00	7,630.00	7,581.00	7,581.00	56.11	131.34	-90.00	-2,506.81	5,416.64	3,205.56	3,027.36	178.19	17.989		
11,200.00	7,630.00	7,581.00	7,581.00	56.60	131.34	-90.00	-2,506.81	5,416.64	3,161.61	2,983.09	178.53	17.709		
11,300.00	7,630.00	7,581.00	7,581.00	57.20	131.34	-90.00	-2,506.81	5,416.64	3,120.26	2,941.23	179.02	17.429		
11,400.00	7,630.00	7,581.00	7,581.00	57.91	131.34	-90.00	-2,506.81	5,416.64	3,081.59	2,901.91	179.68	17.150		
11,500.00	7,630.00	7,581.00	7,581.00	58.72	131.34	-90.00	-2,506.81	5,416.64	3,045.72	2,865.21	180.51	16.873		
11,600.00	7,630.00	7,581.00	7,581.00	59.63	131.34	-90.00	-2,506.81	5,416.64	3,012.74	2,831.23	181.51	16.598		
11,700.00	7,630.00	7,581.00	7,581.00	60.61	131.34	-90.00	-2,506.81	5,416.64	2,982.75	2,800.08	182.67	16.329		
11,800.00	7,630.00	7,581.00	7,581.00	61.67	131.34	-90.00	-2,506.81	5,416.64	2,955.84	2,771.86	183.98	16.066		
11,900.00	7,630.00	7,581.00	7,581.00	62.78	131.34	-90.00	-2,506.81	5,416.64	2,932.10	2,746.66	185.44	15.811		
12,000.00	7,630.00	7,581.00	7,581.00	63.95	131.34	-90.00	-2,506.81	5,416.64	2,911.60	2,724.56	187.03	15.567		
12,100.00	7,630.00	7,581.00	7,581.00	65.16	131.34	-90.00	-2,506.81	5,416.64	2,894.41	2,705.67	188.74	15.335		
12,200.00	7,630.00	7,581.00	7,581.00	66.41	131.34	-90.00	-2,506.81	5,416.64	2,880.59	2,690.04	190.55	15.117		
12,300.00	7,630.00	7,581.00	7,581.00	67.68	131.34	-90.00	-2,506.81	5,416.64	2,870.19	2,677.74	192.45	14.914		
12,400.00	7,630.00	7,581.00	7,581.00	68.99	131.34	-90.00	-2,506.81	5,416.64	2,863.25	2,668.84	194.41	14.728		
12,500.00	7,630.00	7,581.00	7,581.00	70.33	131.34	-90.00	-2,506.81	5,416.64	2,859.79	2,663.37	196.42	14.560		
12,549.01	7,630.00	7,581.00	7,581.00	70.99	131.34	-90.00	-2,506.81	5,416.64	2,859.37	2,661.95	197.42	14.484 CC		
12,600.00	7,630.00	7,581.00	7,581.00	71.68	131.34	-90.00	-2,506.81	5,416.64	2,859.82	2,661.37	198.46	14.410 ES		
12,700.00	7,630.00	7,581.00	7,581.00	73.06	131.34	-90.00	-2,506.81	5,416.64	2,863.35	2,662.84	200.51	14.280		
12,800.00	7,630.00	7,581.00	7,581.00	74.45	131.34	-90.00	-2,506.81	5,416.64	2,870.36	2,667.80	202.56	14.170		
12,900.00	7,630.00	7,581.00	7,581.00	75.87	131.34	-90.00	-2,506.81	5,416.64	2,880.83	2,676.23	204.60	14.080		
13,000.00	7,630.00	7,581.00	7,581.00	77.29	131.34	-90.00	-2,506.81	5,416.64	2,894.72	2,688.11	206.60	14.011		
13,100.00	7,630.00	7,581.00	7,581.00	78.74	131.34	-90.00	-2,506.81	5,416.64	2,911.97	2,703.41	208.56	13.962		
13,200.00	7,630.00	7,581.00	7,581.00	80.19	131.34	-90.00	-2,506.81	5,416.64	2,932.54	2,722.06	210.47	13.933		
13,300.00	7,630.00	7,581.00	7,581.00	81.66	131.34	-90.00	-2,506.81	5,416.64	2,956.35	2,744.02	212.32	13.924 SF		
13,400.00	7,630.00	7,581.00	7,581.00	83.14	131.34	-90.00	-2,506.81	5,416.64	2,983.32	2,769.21	214.10	13.934		
13,500.00	7,630.00	7,581.00	7,581.00	84.63	131.34	-90.00	-2,506.81	5,416.64	3,013.37	2,797.56	215.81	13.963		
13,600.00	7,630.00	7,581.00	7,581.00	86.14	131.34	-90.00	-2,506.81	5,416.64	3,046.40	2,828.97	217.44	14.011		
13,700.00	7,630.00	7,581.00	7,581.00	87.65	131.34	-90.00	-2,506.81	5,416.64	3,082.33	2,863.35	218.98	14.076		
13,800.00	7,630.00	7,581.00	7,581.00	89.17	131.34	-90.00	-2,506.81	5,416.64	3,121.05	2,900.61	220.45	14.158		
13,900.00	7,630.00	7,581.00	7,581.00	90.70	131.34	-90.00	-2,506.81	5,416.64	3,162.46	2,940.63	221.83	14.256		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
14,000.00	7,630.00	7,581.00	7,581.00	92.24	131.34	-90.00	-2,506.81	5,416.64	3,206.46	2,983.33	223.13	14.370		
14,100.00	7,630.00	7,581.00	7,581.00	93.78	131.34	-90.00	-2,506.81	5,416.64	3,252.93	3,028.59	224.35	14.500		
14,200.00	7,630.00	7,581.00	7,581.00	95.33	131.34	-90.00	-2,506.81	5,416.64	3,301.78	3,076.30	225.48	14.643		
14,300.00	7,630.00	7,581.00	7,581.00	96.89	131.34	-90.00	-2,506.81	5,416.64	3,352.91	3,126.36	226.55	14.800		
14,400.00	7,630.00	7,581.00	7,581.00	98.46	131.34	-90.00	-2,506.81	5,416.64	3,406.20	3,178.66	227.53	14.970		
14,500.00	7,630.00	7,581.00	7,581.00	100.03	131.34	-90.00	-2,506.81	5,416.64	3,461.56	3,233.11	228.45	15.153		
14,600.00	7,630.00	7,581.00	7,581.00	101.61	131.34	-90.00	-2,506.81	5,416.64	3,518.89	3,289.59	229.29	15.347		
14,700.00	7,630.00	7,581.00	7,581.00	103.20	131.34	-90.00	-2,506.81	5,416.64	3,578.10	3,348.02	230.08	15.552		
14,800.00	7,630.00	7,581.00	7,581.00	104.78	131.34	-90.00	-2,506.81	5,416.64	3,639.09	3,408.29	230.80	15.768		
14,900.00	7,630.00	7,581.00	7,581.00	106.38	131.34	-90.00	-2,506.81	5,416.64	3,701.78	3,470.32	231.46	15.993		
15,000.00	7,630.00	7,581.00	7,581.00	107.98	131.34	-90.00	-2,506.81	5,416.64	3,766.08	3,534.01	232.07	16.228		
15,100.00	7,630.00	7,581.00	7,581.00	109.58	131.34	-90.00	-2,506.81	5,416.64	3,831.91	3,599.29	232.63	16.472		
15,200.00	7,630.00	7,581.00	7,581.00	111.19	131.34	-90.00	-2,506.81	5,416.64	3,899.20	3,666.06	233.14	16.725		
15,300.00	7,630.00	7,581.00	7,581.00	112.81	131.34	-90.00	-2,506.81	5,416.64	3,967.87	3,734.26	233.61	16.985		
15,400.00	7,630.00	7,581.00	7,581.00	114.42	131.34	-90.00	-2,506.81	5,416.64	4,037.84	3,803.81	234.03	17.253		
15,500.00	7,630.00	7,581.00	7,581.00	116.05	131.34	-90.00	-2,506.81	5,416.64	4,109.06	3,874.64	234.42	17.529		
15,600.00	7,630.00	7,581.00	7,581.00	117.67	131.34	-90.00	-2,506.81	5,416.64	4,181.45	3,946.68	234.77	17.811		
15,700.00	7,630.00	7,581.00	7,581.00	119.30	131.34	-90.00	-2,506.81	5,416.64	4,254.97	4,019.87	235.09	18.099		
15,800.00	7,630.00	7,581.00	7,581.00	120.93	131.34	-90.00	-2,506.81	5,416.64	4,329.54	4,094.16	235.38	18.393		
15,900.00	7,630.00	7,581.00	7,581.00	122.57	131.34	-90.00	-2,506.81	5,416.64	4,405.13	4,169.48	235.65	18.694		
16,000.00	7,630.00	7,581.00	7,581.00	124.21	131.34	-90.00	-2,506.81	5,416.64	4,481.67	4,245.79	235.88	18.999		
16,100.00	7,630.00	7,581.00	7,581.00	125.85	131.34	-90.00	-2,506.81	5,416.64	4,559.12	4,323.02	236.10	19.310		
16,200.00	7,630.00	7,581.00	7,581.00	127.50	131.34	-90.00	-2,506.81	5,416.64	4,637.43	4,401.14	236.29	19.626		
16,300.00	7,630.00	7,581.00	7,581.00	129.15	131.34	-90.00	-2,506.81	5,416.64	4,716.56	4,480.10	236.46	19.947		
16,400.00	7,630.00	7,581.00	7,581.00	130.80	131.34	-90.00	-2,506.81	5,416.64	4,796.47	4,559.86	236.61	20.272		
16,500.00	7,630.00	7,581.00	7,581.00	132.46	131.34	-90.00	-2,506.81	5,416.64	4,877.13	4,640.38	236.75	20.601		
16,600.00	7,630.00	7,581.00	7,581.00	134.11	131.34	-90.00	-2,506.81	5,416.64	4,958.48	4,721.62	236.87	20.934		
16,700.00	7,630.00	7,581.00	7,581.00	135.77	131.34	-90.00	-2,506.81	5,416.64	5,040.51	4,803.54	236.97	21.270		
16,800.00	7,630.00	7,581.00	7,581.00	137.43	131.34	-90.00	-2,506.81	5,416.64	5,123.18	4,886.11	237.06	21.611		
16,900.00	7,630.00	7,581.00	7,581.00	139.10	131.34	-90.00	-2,506.81	5,416.64	5,206.45	4,969.31	237.15	21.955		
17,000.00	7,630.00	7,581.00	7,581.00	140.77	131.34	-90.00	-2,506.81	5,416.64	5,290.31	5,053.09	237.21	22.302		
17,100.00	7,630.00	7,581.00	7,581.00	142.44	131.34	-90.00	-2,506.81	5,416.64	5,374.71	5,137.44	237.27	22.652		
17,200.00	7,630.00	7,581.00	7,581.00	144.11	131.34	-90.00	-2,506.81	5,416.64	5,459.65	5,222.32	237.32	23.005		
17,300.00	7,630.00	7,581.00	7,581.00	145.78	131.34	-90.00	-2,506.81	5,416.64	5,545.08	5,307.72	237.37	23.361		
17,400.00	7,630.00	7,581.00	7,581.00	147.46	131.34	-90.00	-2,506.81	5,416.64	5,631.00	5,393.60	237.40	23.719		
17,500.00	7,630.00	7,581.00	7,581.00	149.13	131.34	-90.00	-2,506.81	5,416.64	5,717.37	5,479.94	237.43	24.080		
17,600.00	7,630.00	7,581.00	7,581.00	150.81	131.34	-90.00	-2,506.81	5,416.64	5,804.18	5,566.73	237.45	24.444		
17,700.00	7,630.00	7,581.00	7,581.00	152.49	131.34	-90.00	-2,506.81	5,416.64	5,891.41	5,653.95	237.46	24.810		
17,800.00	7,630.00	7,581.00	7,581.00	154.18	131.34	-90.00	-2,506.81	5,416.64	5,979.04	5,741.57	237.47	25.178		
17,900.00	7,630.00	7,581.00	7,581.00	155.86	131.34	-90.00	-2,506.81	5,416.64	6,067.05	5,829.57	237.48	25.548		
18,000.00	7,630.00	7,581.00	7,581.00	157.55	131.34	-90.00	-2,506.81	5,416.64	6,155.43	5,917.95	237.48	25.920		
18,100.00	7,630.00	7,581.00	7,581.00	159.24	131.34	-90.00	-2,506.81	5,416.64	6,244.16	6,006.68	237.48	26.294		
18,200.00	7,630.00	7,581.00	7,581.00	160.92	131.34	-90.00	-2,506.81	5,416.64	6,333.22	6,095.76	237.47	26.670		
18,300.00	7,630.00	7,581.00	7,581.00	162.62	131.34	-90.00	-2,506.81	5,416.64	6,422.61	6,185.15	237.46	27.047		
18,400.00	7,630.00	7,581.00	7,581.00	164.31	131.34	-90.00	-2,506.81	5,416.64	6,512.31	6,274.86	237.45	27.427		
18,458.39	7,630.00	7,581.00	7,581.00	165.30	131.34	-90.00	-2,506.81	5,416.64	6,564.82	6,327.38	237.44	27.649		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	143.31	-4,237.57	3,157.01	5,284.35					
100.00	100.00	73.00	73.00	0.13	0.61	143.31	-4,237.57	3,157.01	5,284.28	5,283.55	0.74	7,144.589		
200.00	200.00	173.00	173.00	0.49	2.10	143.31	-4,237.57	3,157.01	5,284.28	5,281.69	2.60	2,035.532		
300.00	300.00	273.00	273.00	0.85	3.85	143.31	-4,237.57	3,157.01	5,284.28	5,279.59	4.70	1,124.358		
400.00	400.00	373.00	373.00	1.21	5.59	143.31	-4,237.57	3,157.01	5,284.28	5,277.48	6.80	776.687		
500.00	500.00	473.00	473.00	1.57	7.34	143.31	-4,237.57	3,157.01	5,284.28	5,275.38	8.91	593.245		
600.00	600.00	573.00	573.00	1.93	9.08	143.31	-4,237.57	3,157.01	5,284.28	5,273.27	11.01	479.900		
700.00	700.00	673.00	673.00	2.29	10.83	143.31	-4,237.57	3,157.01	5,284.28	5,271.17	13.12	402.918		
800.00	800.00	773.00	773.00	2.64	12.58	143.31	-4,237.57	3,157.01	5,284.28	5,269.07	15.22	347.220		
900.00	900.00	873.00	873.00	3.00	14.32	143.31	-4,237.57	3,157.01	5,284.28	5,266.96	17.32	305.051		
1,000.00	1,000.00	973.00	973.00	3.36	16.07	143.31	-4,237.57	3,157.01	5,284.28	5,264.86	19.43	272.015		
1,100.00	1,100.00	1,073.00	1,073.00	3.72	17.81	143.31	-4,237.57	3,157.01	5,284.28	5,262.75	21.53	245.436		
1,200.00	1,199.98	1,172.98	1,172.98	4.07	19.56	92.26	-4,237.57	3,157.01	5,284.35	5,260.72	23.63	223.625		
1,300.00	1,299.84	1,272.84	1,272.84	4.43	21.30	92.32	-4,237.57	3,157.01	5,284.56	5,258.84	25.73	205.409		
1,400.00	1,399.45	1,372.45	1,372.45	4.79	23.04	92.40	-4,237.57	3,157.01	5,284.92	5,257.10	27.82	189.943		
1,500.00	1,498.70	1,471.70	1,471.70	5.15	24.77	92.52	-4,237.57	3,157.01	5,285.45	5,255.53	29.92	176.642		
1,600.00	1,597.47	1,570.47	1,570.47	5.53	26.49	92.68	-4,237.57	3,157.01	5,286.17	5,254.15	32.02	165.069		
1,700.00	1,695.62	1,668.62	1,668.62	5.93	28.21	92.86	-4,237.57	3,157.01	5,287.11	5,252.97	34.13	154.897		
1,800.00	1,793.06	1,766.06	1,766.06	6.35	29.91	93.07	-4,237.57	3,157.01	5,288.30	5,252.05	36.25	145.876		
1,900.00	1,889.64	1,862.64	1,862.64	6.79	31.59	93.31	-4,237.57	3,157.01	5,289.80	5,251.41	38.38	137.809		
2,000.00	1,985.27	1,958.27	1,958.27	7.27	33.26	93.58	-4,237.57	3,157.01	5,291.63	5,251.10	40.53	130.545		
2,100.00	2,079.82	2,052.82	2,052.82	7.79	34.91	93.87	-4,237.57	3,157.01	5,293.87	5,251.16	42.70	123.964		
2,200.00	2,173.17	2,146.17	2,146.17	8.36	36.54	94.17	-4,237.57	3,157.01	5,296.56	5,251.66	44.90	117.969		
2,300.00	2,265.21	2,238.21	2,238.21	8.97	38.15	94.50	-4,237.57	3,157.01	5,299.77	5,252.65	47.12	112.482		
2,400.00	2,355.84	2,328.84	2,328.84	9.64	39.73	94.84	-4,237.57	3,157.01	5,303.56	5,254.20	49.36	107.441		
2,500.00	2,444.94	2,417.94	2,417.94	10.36	41.28	95.18	-4,237.57	3,157.01	5,308.01	5,256.37	51.64	102.795		
2,591.69	2,525.19	2,501.81	2,498.19	11.07	42.75	95.51	-4,237.57	3,157.01	5,312.72	5,258.91	53.81	98.730		
2,600.00	2,532.40	2,505.40	2,505.40	11.14	42.81	95.54	-4,237.57	3,157.01	5,313.18	5,259.24	53.94	98.502		
2,700.00	2,619.15	2,607.85	2,592.15	11.96	44.60	96.01	-4,237.57	3,157.01	5,318.94	5,262.40	56.54	94.068		
2,800.00	2,705.89	2,678.89	2,678.89	12.81	45.84	96.47	-4,237.57	3,157.01	5,325.16	5,266.54	58.62	90.843		
2,900.00	2,792.64	2,765.64	2,765.64	13.67	47.35	96.93	-4,237.57	3,157.01	5,331.84	5,270.86	60.99	87.428		
3,000.00	2,879.39	2,852.39	2,852.39	14.55	48.87	97.39	-4,237.57	3,157.01	5,338.97	5,275.61	63.36	84.259		
3,100.00	2,966.14	2,939.14	2,939.14	15.44	50.38	97.85	-4,237.57	3,157.01	5,346.56	5,280.81	65.75	81.313		
3,200.00	3,052.88	3,025.88	3,025.88	16.34	51.90	98.31	-4,237.57	3,157.01	5,354.60	5,286.45	68.15	78.573		
3,300.00	3,139.63	3,112.63	3,112.63	17.25	53.41	98.77	-4,237.57	3,157.01	5,363.08	5,292.53	70.55	76.018		
3,400.00	3,226.38	3,200.62	3,199.38	18.17	54.95	99.23	-4,237.57	3,157.01	5,372.02	5,299.04	72.98	73.612		
3,500.00	3,313.12	3,286.12	3,286.12	19.09	56.44	99.68	-4,237.57	3,157.01	5,381.40	5,306.03	75.36	71.405		
3,600.00	3,399.87	3,372.87	3,372.87	20.02	57.95	100.14	-4,237.57	3,157.01	5,391.22	5,313.45	77.78	69.317		
3,700.00	3,486.62	3,459.62	3,459.62	20.96	59.47	100.59	-4,237.57	3,157.01	5,401.48	5,321.30	80.19	67.360		
3,800.00	3,573.37	3,546.37	3,546.37	21.90	60.98	101.04	-4,237.57	3,157.01	5,412.18	5,329.58	82.60	65.522		
3,900.00	3,660.11	3,633.11	3,633.11	22.84	62.49	101.49	-4,237.57	3,157.01	5,423.32	5,338.31	85.01	63.794		
4,000.00	3,746.86	3,719.86	3,719.86	23.78	64.01	101.94	-4,237.57	3,157.01	5,434.89	5,347.46	87.42	62.167		
4,100.00	3,833.61	3,806.61	3,806.61	24.73	65.52	102.39	-4,237.57	3,157.01	5,446.89	5,357.05	89.83	60.632		
4,200.00	3,920.35	3,906.65	3,893.35	25.68	67.27	102.83	-4,237.57	3,157.01	5,459.31	5,366.84	92.47	59.036		
4,300.00	4,007.10	3,980.10	3,980.10	26.63	68.55	103.28	-4,237.57	3,157.01	5,472.16	5,377.51	94.65	57.815		
4,400.00	4,093.85	4,066.85	4,066.85	27.59	70.06	103.72	-4,237.57	3,157.01	5,485.43	5,388.38	97.05	56.520		
4,500.00	4,180.60	4,153.60	4,153.60	28.55	71.58	104.16	-4,237.57	3,157.01	5,499.12	5,399.67	99.45	55.294		
4,600.00	4,267.34	4,240.34	4,240.34	29.50	73.09	104.60	-4,237.57	3,157.01	5,513.22	5,411.37	101.85	54.130		
4,700.00	4,354.09	4,327.09	4,327.09	30.46	74.61	105.04	-4,237.57	3,157.01	5,527.74	5,423.49	104.25	53.026		
4,800.00	4,440.84	4,413.84	4,413.84	31.42	76.12	105.48	-4,237.57	3,157.01	5,542.66	5,436.03	106.64	51.978		
4,900.00	4,527.58	4,500.58	4,500.58	32.39	77.63	105.91	-4,237.57	3,157.01	5,557.99	5,448.97	109.02	50.980		
5,000.00	4,614.33	4,587.33	4,587.33	33.35	79.15	106.34	-4,237.57	3,157.01	5,573.72	5,462.32	111.41	50.031		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
5,100.00	4,701.08	4,674.08	4,674.08	34.31	80.66	106.77	-4,237.57	3,157.01	5,589.85	5,476.07	113.78	49.127		
5,200.00	4,787.82	4,760.82	4,760.82	35.28	82.18	107.20	-4,237.57	3,157.01	5,606.37	5,490.22	116.16	48.265		
5,300.00	4,874.57	4,847.57	4,847.57	36.25	83.69	107.63	-4,237.57	3,157.01	5,623.29	5,504.76	118.53	47.443		
5,400.00	4,961.32	4,934.32	4,934.32	37.21	85.20	108.05	-4,237.57	3,157.01	5,640.59	5,519.70	120.89	46.658		
5,500.00	5,048.07	5,021.07	5,021.07	38.18	86.72	108.47	-4,237.57	3,157.01	5,658.28	5,535.03	123.25	45.908		
5,600.00	5,134.81	5,050.00	5,050.00	39.15	87.22	108.61	-4,237.57	3,157.01	5,676.65	5,552.07	124.57	45.568		
5,700.00	5,221.56	5,050.00	5,050.00	40.12	87.22	108.61	-4,237.57	3,157.01	5,696.63	5,571.28	125.35	45.446		
5,800.00	5,308.31	5,050.00	5,050.00	41.09	87.22	108.61	-4,237.57	3,157.01	5,718.30	5,592.21	126.09	45.351		
5,900.00	5,395.05	5,050.00	5,050.00	42.06	87.22	108.61	-4,237.57	3,157.01	5,741.62	5,614.83	126.80	45.283		
6,000.00	5,481.80	5,050.00	5,050.00	43.03	87.22	108.61	-4,237.57	3,157.01	5,766.59	5,639.12	127.47	45.240		
6,100.00	5,568.55	5,050.00	5,050.00	44.00	87.22	108.61	-4,237.57	3,157.01	5,793.18	5,665.07	128.10	45.223		
6,200.00	5,655.30	5,050.00	5,050.00	44.97	87.22	108.61	-4,237.57	3,157.01	5,821.36	5,692.65	128.71	45.230		
6,300.00	5,742.04	5,050.00	5,050.00	45.94	87.22	108.61	-4,237.57	3,157.01	5,851.11	5,721.84	129.28	45.261		
6,400.00	5,828.79	5,050.00	5,050.00	46.92	87.22	108.61	-4,237.57	3,157.01	5,882.42	5,752.60	129.81	45.315		
6,500.00	5,915.54	5,050.00	5,050.00	47.89	87.22	108.61	-4,237.57	3,157.01	5,915.25	5,784.93	130.32	45.391		
6,600.00	6,002.28	5,050.00	5,050.00	48.86	87.22	108.61	-4,237.57	3,157.01	5,949.58	5,818.79	130.79	45.490		
6,700.00	6,089.03	5,050.00	5,050.00	49.83	87.22	108.61	-4,237.57	3,157.01	5,985.38	5,854.15	131.23	45.609		
6,800.00	6,175.78	5,050.00	5,050.00	50.81	87.22	108.61	-4,237.57	3,157.01	6,022.63	5,890.99	131.64	45.749		
6,900.00	6,262.53	5,050.00	5,050.00	51.78	87.22	108.61	-4,237.57	3,157.01	6,061.30	5,929.28	132.03	45.910		
7,000.00	6,349.27	5,050.00	5,050.00	52.76	87.22	108.61	-4,237.57	3,157.01	6,101.37	5,968.99	132.38	46.089		
7,100.00	6,436.02	5,050.00	5,050.00	53.73	87.22	108.61	-4,237.57	3,157.01	6,142.80	6,010.09	132.71	46.288		
7,200.00	6,522.77	5,050.00	5,050.00	54.71	87.22	108.61	-4,237.57	3,157.01	6,185.57	6,052.57	133.01	46.505		
7,300.00	6,609.51	5,050.00	5,050.00	55.68	87.22	108.61	-4,237.57	3,157.01	6,229.66	6,096.37	133.28	46.740		
7,400.00	6,696.26	5,050.00	5,050.00	56.66	87.22	108.61	-4,237.57	3,157.01	6,275.03	6,141.49	133.53	46.992		
7,500.00	6,783.01	5,050.00	5,050.00	57.63	87.22	108.61	-4,237.57	3,157.01	6,321.65	6,187.89	133.76	47.261		
7,600.00	6,869.76	5,050.00	5,050.00	58.61	87.22	108.61	-4,237.57	3,157.01	6,369.50	6,235.54	133.96	47.546		
7,683.49	6,942.18	5,050.00	5,050.00	59.42	87.22	108.61	-4,237.57	3,157.01	6,410.38	6,276.26	134.12	47.797		
7,700.00	6,956.57	5,050.00	5,050.00	59.58	87.22	106.44	-4,237.57	3,157.01	6,418.36	6,284.22	134.14	47.846		
7,750.00	7,000.85	5,050.00	5,050.00	60.04	87.22	98.74	-4,237.57	3,157.01	6,440.26	6,306.04	134.21	47.985		
7,800.00	7,045.94	5,050.00	5,050.00	60.46	87.22	89.44	-4,237.57	3,157.01	6,458.64	6,324.38	134.26	48.105		
7,850.00	7,091.49	5,050.00	5,050.00	60.84	87.22	78.95	-4,237.57	3,157.01	6,473.39	6,339.11	134.28	48.208		
7,900.00	7,137.15	5,050.00	5,050.00	61.17	87.22	68.05	-4,237.57	3,157.01	6,484.43	6,350.16	134.27	48.294		
7,950.00	7,182.58	5,050.00	5,050.00	61.44	87.22	57.64	-4,237.57	3,157.01	6,491.69	6,357.46	134.23	48.363		
8,000.00	7,227.43	5,050.00	5,050.00	61.67	87.22	48.38	-4,237.57	3,157.01	6,495.13	6,360.97	134.16	48.415		
8,050.00	7,271.36	5,050.00	5,050.00	61.84	87.22	40.51	-4,237.57	3,157.01	6,494.73	6,360.68	134.05	48.451		
8,100.00	7,314.04	5,050.00	5,050.00	61.96	87.22	34.00	-4,237.57	3,157.01	6,490.48	6,356.57	133.91	48.469		
8,150.00	7,355.14	5,050.00	5,050.00	62.04	87.22	28.63	-4,237.57	3,157.01	6,482.42	6,348.68	133.74	48.470		
8,200.00	7,394.34	5,050.00	5,050.00	62.07	87.22	24.17	-4,237.57	3,157.01	6,470.60	6,337.05	133.55	48.452		
8,250.00	7,431.36	5,050.00	5,050.00	62.06	87.22	20.40	-4,237.57	3,157.01	6,455.07	6,321.75	133.33	48.415		
8,300.00	7,465.90	5,050.00	5,050.00	62.01	87.22	17.16	-4,237.57	3,157.01	6,435.95	6,302.86	133.09	48.359		
8,350.00	7,497.71	5,050.00	5,050.00	61.93	87.22	14.27	-4,237.57	3,157.01	6,413.32	6,280.50	132.83	48.283		
8,400.00	7,526.53	5,050.00	5,050.00	61.81	87.22	11.63	-4,237.57	3,157.01	6,387.35	6,254.79	132.55	48.186		
8,450.00	7,552.17	5,050.00	5,050.00	61.66	87.22	9.10	-4,237.57	3,157.01	6,358.17	6,225.90	132.27	48.069		
8,500.00	7,574.41	5,050.00	5,050.00	61.48	87.22	6.59	-4,237.57	3,157.01	6,325.98	6,194.00	131.98	47.931		
8,550.00	7,593.09	5,050.00	5,050.00	61.29	87.22	3.97	-4,237.57	3,157.01	6,290.96	6,159.28	131.69	47.773		
8,600.00	7,608.07	5,050.00	5,050.00	61.07	87.22	1.09	-4,237.57	3,157.01	6,253.36	6,121.96	131.39	47.593		
8,650.00	7,619.23	5,050.00	5,050.00	60.84	87.22	-2.23	-4,237.57	3,157.01	6,213.39	6,082.29	131.11	47.392		
8,700.00	7,626.48	5,050.00	5,050.00	60.60	87.22	-6.24	-4,237.57	3,157.01	6,171.34	6,040.51	130.83	47.171		
8,750.00	7,629.78	5,050.00	5,050.00	60.35	87.22	-11.34	-4,237.57	3,157.01	6,127.47	5,996.90	130.56	46.931		
8,766.45	7,630.00	5,050.00	5,050.00	60.27	87.22	-13.34	-4,237.57	3,157.01	6,112.69	5,982.21	130.48	46.847		
8,800.00	7,630.00	5,050.00	5,050.00	60.10	87.22	-13.34	-4,237.57	3,157.01	6,082.40	5,952.09	130.31	46.675		
8,900.00	7,630.00	5,050.00	5,050.00	59.61	87.22	-13.34	-4,237.57	3,157.01	5,992.34	5,862.54	129.80	46.167		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
9,000.00	7,630.00	5,050.00	5,050.00	59.15	87.22	-13.34	-4,237.57	3,157.01	5,902.60	5,773.34	129.26	45.663		
9,100.00	7,630.00	5,050.00	5,050.00	58.71	87.22	-13.34	-4,237.57	3,157.01	5,813.19	5,684.48	128.71	45.163		
9,200.00	7,630.00	5,050.00	5,050.00	58.30	87.22	-13.34	-4,237.57	3,157.01	5,724.14	5,595.99	128.15	44.668		
9,300.00	7,630.00	5,050.00	5,050.00	57.91	87.22	-13.34	-4,237.57	3,157.01	5,635.45	5,507.88	127.56	44.177		
9,400.00	7,630.00	5,050.00	5,050.00	57.54	87.22	-13.34	-4,237.57	3,157.01	5,547.14	5,420.18	126.96	43.691		
9,500.00	7,630.00	5,050.00	5,050.00	57.19	87.22	-13.34	-4,237.57	3,157.01	5,459.24	5,332.90	126.34	43.210		
9,600.00	7,630.00	5,050.00	5,050.00	56.87	87.22	-13.34	-4,237.57	3,157.01	5,371.76	5,246.06	125.70	42.735		
9,700.00	7,630.00	5,050.00	5,050.00	56.57	87.22	-13.34	-4,237.57	3,157.01	5,284.73	5,159.69	125.04	42.265		
9,800.00	7,630.00	5,050.00	5,050.00	56.30	87.22	-13.34	-4,237.57	3,157.01	5,198.16	5,073.81	124.36	41.800		
9,900.00	7,630.00	5,050.00	5,050.00	56.05	87.22	-13.34	-4,237.57	3,157.01	5,112.09	4,988.43	123.65	41.342		
10,000.00	7,630.00	5,050.00	5,050.00	55.82	87.22	-13.34	-4,237.57	3,157.01	5,026.53	4,903.60	122.93	40.890		
10,100.00	7,630.00	5,050.00	5,050.00	55.63	87.22	-13.34	-4,237.57	3,157.01	4,941.51	4,819.33	122.18	40.445		
10,200.00	7,630.00	5,050.00	5,050.00	55.46	87.22	-13.34	-4,237.57	3,157.01	4,857.06	4,735.65	121.41	40.006		
10,300.00	7,630.00	5,050.00	5,050.00	55.32	87.22	-13.34	-4,237.57	3,157.01	4,773.21	4,652.60	120.61	39.575		
10,400.00	7,630.00	5,050.00	5,050.00	55.22	87.22	-13.34	-4,237.57	3,157.01	4,690.00	4,570.21	119.79	39.151		
10,500.00	7,630.00	5,050.00	5,050.00	55.15	87.22	-13.34	-4,237.57	3,157.01	4,607.45	4,488.50	118.95	38.735		
10,600.00	7,630.00	5,050.00	5,050.00	55.14	87.22	-13.34	-4,237.57	3,157.01	4,525.61	4,407.53	118.08	38.327		
10,700.00	7,630.00	5,050.00	5,050.00	55.18	87.22	-13.34	-4,237.57	3,157.01	4,444.51	4,327.32	117.19	37.927		
10,800.00	7,630.00	5,050.00	5,050.00	55.28	87.22	-13.34	-4,237.57	3,157.01	4,364.19	4,247.93	116.27	37.536		
10,900.00	7,630.00	5,050.00	5,050.00	55.47	87.22	-13.34	-4,237.57	3,157.01	4,284.71	4,169.38	115.33	37.153		
11,000.00	7,630.00	5,050.00	5,050.00	55.74	87.22	-13.34	-4,237.57	3,157.01	4,206.10	4,091.74	114.36	36.780		
11,100.00	7,630.00	5,050.00	5,050.00	56.11	87.22	-13.34	-4,237.57	3,157.01	4,128.41	4,015.04	113.37	36.416		
11,200.00	7,630.00	5,050.00	5,050.00	56.60	87.22	-13.34	-4,237.57	3,157.01	4,051.70	3,939.35	112.35	36.062		
11,300.00	7,630.00	5,050.00	5,050.00	57.20	87.22	-13.34	-4,237.57	3,157.01	3,976.03	3,864.71	111.32	35.718		
11,400.00	7,630.00	5,050.00	5,050.00	57.91	87.22	-13.34	-4,237.57	3,157.01	3,901.46	3,791.19	110.26	35.383		
11,500.00	7,630.00	5,050.00	5,050.00	58.72	87.22	-13.34	-4,237.57	3,157.01	3,828.04	3,718.85	109.19	35.059		
11,600.00	7,630.00	5,050.00	5,050.00	59.63	87.22	-13.34	-4,237.57	3,157.01	3,755.85	3,647.75	108.10	34.745		
11,700.00	7,630.00	5,050.00	5,050.00	60.61	87.22	-13.34	-4,237.57	3,157.01	3,684.96	3,577.97	106.99	34.441		
11,800.00	7,630.00	5,050.00	5,050.00	61.67	87.22	-13.34	-4,237.57	3,157.01	3,615.45	3,509.57	105.88	34.148		
11,900.00	7,630.00	5,050.00	5,050.00	62.78	87.22	-13.34	-4,237.57	3,157.01	3,547.39	3,442.64	104.75	33.865		
12,000.00	7,630.00	5,050.00	5,050.00	63.95	87.22	-13.34	-4,237.57	3,157.01	3,480.88	3,377.26	103.62	33.593		
12,100.00	7,630.00	5,050.00	5,050.00	65.16	87.22	-13.34	-4,237.57	3,157.01	3,416.00	3,313.51	102.49	33.330		
12,200.00	7,630.00	5,050.00	5,050.00	66.41	87.22	-13.34	-4,237.57	3,157.01	3,352.85	3,251.49	101.36	33.078		
12,300.00	7,630.00	5,050.00	5,050.00	67.68	87.22	-13.34	-4,237.57	3,157.01	3,291.52	3,191.28	100.24	32.837		
12,400.00	7,630.00	5,050.00	5,050.00	68.99	87.22	-13.34	-4,237.57	3,157.01	3,232.13	3,133.00	99.13	32.605		
12,500.00	7,630.00	5,050.00	5,050.00	70.33	87.22	-13.34	-4,237.57	3,157.01	3,174.77	3,076.74	98.04	32.384		
12,600.00	7,630.00	5,050.00	5,050.00	71.68	87.22	-13.34	-4,237.57	3,157.01	3,119.57	3,022.60	96.96	32.172		
12,700.00	7,630.00	5,050.00	5,050.00	73.06	87.22	-13.34	-4,237.57	3,157.01	3,066.63	2,970.71	95.92	31.971		
12,800.00	7,630.00	5,050.00	5,050.00	74.45	87.22	-13.34	-4,237.57	3,157.01	3,016.08	2,921.18	94.90	31.780		
12,900.00	7,630.00	5,050.00	5,050.00	75.87	87.22	-13.34	-4,237.57	3,157.01	2,968.05	2,874.12	93.93	31.599		
13,000.00	7,630.00	5,050.00	5,050.00	77.29	87.22	-13.34	-4,237.57	3,157.01	2,922.64	2,829.64	93.00	31.428		
13,100.00	7,630.00	5,050.00	5,050.00	78.74	87.22	-13.34	-4,237.57	3,157.01	2,879.99	2,787.88	92.12	31.265		
13,200.00	7,630.00	5,050.00	5,050.00	80.19	87.22	-13.34	-4,237.57	3,157.01	2,840.22	2,748.93	91.29	31.111		
13,300.00	7,630.00	5,050.00	5,050.00	81.66	87.22	-13.34	-4,237.57	3,157.01	2,803.46	2,712.92	90.55	30.962		
13,400.00	7,630.00	5,050.00	5,050.00	83.14	87.22	-13.34	-4,237.57	3,157.01	2,769.83	2,679.94	89.88	30.816		
13,500.00	7,630.00	5,050.00	5,050.00	84.63	87.22	-13.34	-4,237.57	3,157.01	2,739.43	2,650.11	89.32	30.669		
13,600.00	7,630.00	5,050.00	5,050.00	86.14	87.22	-13.34	-4,237.57	3,157.01	2,712.38	2,623.49	88.89	30.515		
13,700.00	7,630.00	5,050.00	5,050.00	87.65	87.22	-13.34	-4,237.57	3,157.01	2,688.78	2,600.17	88.61	30.345		
13,800.00	7,630.00	5,050.00	5,050.00	89.17	87.22	-13.34	-4,237.57	3,157.01	2,668.72	2,580.20	88.52	30.150		
13,900.00	7,630.00	5,050.00	5,050.00	90.70	87.22	-13.34	-4,237.57	3,157.01	2,652.28	2,563.63	88.65	29.918		
14,000.00	7,630.00	5,050.00	5,050.00	92.24	87.22	-13.34	-4,237.57	3,157.01	2,639.53	2,550.47	89.06	29.637		
14,100.00	7,630.00	5,050.00	5,050.00	93.78	87.22	-13.34	-4,237.57	3,157.01	2,630.52	2,540.73	89.78	29.298		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	95.33	87.22	-13.34	-4,237.57	3,157.01	2,625.29	2,534.43	90.86	28.894		
14,287.36	7,630.00	5,050.00	5,050.00	96.70	87.22	-13.34	-4,237.57	3,157.01	2,623.84	2,531.74	92.10	28.489 CC		
14,300.00	7,630.00	5,050.00	5,050.00	96.89	87.22	-13.34	-4,237.57	3,157.01	2,623.87	2,531.57	92.30	28.427 ES		
14,400.00	7,630.00	5,050.00	5,050.00	98.46	87.22	-13.34	-4,237.57	3,157.01	2,626.26	2,532.14	94.11	27.906		
14,500.00	7,630.00	5,050.00	5,050.00	100.03	87.22	-13.34	-4,237.57	3,157.01	2,632.44	2,536.18	96.26	27.347		
14,600.00	7,630.00	5,050.00	5,050.00	101.61	87.22	-13.34	-4,237.57	3,157.01	2,642.40	2,543.69	98.71	26.771		
14,700.00	7,630.00	5,050.00	5,050.00	103.20	87.22	-13.34	-4,237.57	3,157.01	2,656.09	2,554.70	101.38	26.198		
14,800.00	7,630.00	5,050.00	5,050.00	104.78	87.22	-13.34	-4,237.57	3,157.01	2,673.45	2,569.22	104.23	25.649		
14,900.00	7,630.00	5,050.00	5,050.00	106.38	87.22	-13.34	-4,237.57	3,157.01	2,694.41	2,587.22	107.19	25.136		
15,000.00	7,630.00	5,050.00	5,050.00	107.98	87.22	-13.34	-4,237.57	3,157.01	2,718.90	2,608.69	110.21	24.671		
15,100.00	7,630.00	5,050.00	5,050.00	109.58	87.22	-13.34	-4,237.57	3,157.01	2,746.80	2,633.58	113.23	24.260		
15,200.00	7,630.00	5,050.00	5,050.00	111.19	87.22	-13.34	-4,237.57	3,157.01	2,778.03	2,661.81	116.21	23.904		
15,300.00	7,630.00	5,050.00	5,050.00	112.81	87.22	-13.34	-4,237.57	3,157.01	2,812.47	2,693.33	119.14	23.606		
15,400.00	7,630.00	5,050.00	5,050.00	114.42	87.22	-13.34	-4,237.57	3,157.01	2,850.00	2,728.02	121.99	23.363		
15,500.00	7,630.00	5,050.00	5,050.00	116.05	87.22	-13.34	-4,237.57	3,157.01	2,890.51	2,765.78	124.73	23.175		
15,600.00	7,630.00	5,050.00	5,050.00	117.67	87.22	-13.34	-4,237.57	3,157.01	2,933.86	2,806.51	127.35	23.037		
15,700.00	7,630.00	5,050.00	5,050.00	119.30	87.22	-13.34	-4,237.57	3,157.01	2,979.95	2,850.09	129.86	22.948		
15,800.00	7,630.00	5,050.00	5,050.00	120.93	87.22	-13.34	-4,237.57	3,157.01	3,028.63	2,896.40	132.23	22.904		
15,900.00	7,630.00	5,050.00	5,050.00	122.57	87.22	-13.34	-4,237.57	3,157.01	3,079.80	2,945.31	134.48	22.901 SF		
16,000.00	7,630.00	5,050.00	5,050.00	124.21	87.22	-13.34	-4,237.57	3,157.01	3,133.32	2,996.72	136.60	22.938		
16,100.00	7,630.00	5,050.00	5,050.00	125.85	87.22	-13.34	-4,237.57	3,157.01	3,189.08	3,050.48	138.59	23.010		
16,200.00	7,630.00	5,050.00	5,050.00	127.50	87.22	-13.34	-4,237.57	3,157.01	3,246.96	3,106.49	140.46	23.116		
16,300.00	7,630.00	5,050.00	5,050.00	129.15	87.22	-13.34	-4,237.57	3,157.01	3,306.85	3,164.64	142.21	23.253		
16,400.00	7,630.00	5,050.00	5,050.00	130.80	87.22	-13.34	-4,237.57	3,157.01	3,368.65	3,224.80	143.85	23.418		
16,500.00	7,630.00	5,050.00	5,050.00	132.46	87.22	-13.34	-4,237.57	3,157.01	3,432.25	3,286.87	145.38	23.610		
16,600.00	7,630.00	5,050.00	5,050.00	134.11	87.22	-13.34	-4,237.57	3,157.01	3,497.55	3,350.75	146.80	23.826		
16,700.00	7,630.00	5,050.00	5,050.00	135.77	87.22	-13.34	-4,237.57	3,157.01	3,564.46	3,416.34	148.12	24.064		
16,800.00	7,630.00	5,050.00	5,050.00	137.43	87.22	-13.34	-4,237.57	3,157.01	3,632.89	3,483.54	149.36	24.324		
16,900.00	7,630.00	5,050.00	5,050.00	139.10	87.22	-13.34	-4,237.57	3,157.01	3,702.76	3,552.26	150.50	24.603		
17,000.00	7,630.00	5,050.00	5,050.00	140.77	87.22	-13.34	-4,237.57	3,157.01	3,773.98	3,622.42	151.57	24.900		
17,100.00	7,630.00	5,050.00	5,050.00	142.44	87.22	-13.34	-4,237.57	3,157.01	3,846.49	3,693.93	152.56	25.213		
17,200.00	7,630.00	5,050.00	5,050.00	144.11	87.22	-13.34	-4,237.57	3,157.01	3,920.21	3,766.73	153.48	25.543		
17,300.00	7,630.00	5,050.00	5,050.00	145.78	87.22	-13.34	-4,237.57	3,157.01	3,995.07	3,840.74	154.33	25.887		
17,400.00	7,630.00	5,050.00	5,050.00	147.46	87.22	-13.34	-4,237.57	3,157.01	4,071.00	3,915.88	155.12	26.244		
17,500.00	7,630.00	5,050.00	5,050.00	149.13	87.22	-13.34	-4,237.57	3,157.01	4,147.96	3,992.11	155.86	26.614		
17,600.00	7,630.00	5,050.00	5,050.00	150.81	87.22	-13.34	-4,237.57	3,157.01	4,225.89	4,069.35	156.54	26.996		
17,700.00	7,630.00	5,050.00	5,050.00	152.49	87.22	-13.34	-4,237.57	3,157.01	4,304.73	4,147.55	157.17	27.389		
17,800.00	7,630.00	5,050.00	5,050.00	154.18	87.22	-13.34	-4,237.57	3,157.01	4,384.43	4,226.67	157.76	27.792		
17,900.00	7,630.00	5,050.00	5,050.00	155.86	87.22	-13.34	-4,237.57	3,157.01	4,464.94	4,306.64	158.31	28.204		
18,000.00	7,630.00	5,050.00	5,050.00	157.55	87.22	-13.34	-4,237.57	3,157.01	4,546.23	4,387.42	158.81	28.626		
18,100.00	7,630.00	5,050.00	5,050.00	159.24	87.22	-13.34	-4,237.57	3,157.01	4,628.26	4,468.97	159.28	29.056		
18,200.00	7,630.00	5,050.00	5,050.00	160.92	87.22	-13.34	-4,237.57	3,157.01	4,710.98	4,551.25	159.72	29.495		
18,300.00	7,630.00	5,050.00	5,050.00	162.62	87.22	-13.34	-4,237.57	3,157.01	4,794.35	4,634.23	160.13	29.941		
18,400.00	7,630.00	5,050.00	5,050.00	164.31	87.22	-13.34	-4,237.57	3,157.01	4,878.36	4,717.85	160.51	30.393		
18,458.39	7,630.00	5,050.00	5,050.00	165.30	87.22	-13.34	-4,237.57	3,157.01	4,927.68	4,766.97	160.72	30.661		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	156.55	-4,237.70	1,837.97	4,619.18					
100.00	100.00	75.00	75.00	0.13	0.62	156.55	-4,237.70	1,837.97	4,619.12	4,618.37	0.75	6,161.644		
200.00	200.00	175.00	175.00	0.49	2.13	156.55	-4,237.70	1,837.97	4,619.12	4,616.49	2.62	1,761.541		
300.00	300.00	275.00	275.00	0.85	3.87	156.55	-4,237.70	1,837.97	4,619.12	4,614.39	4.73	977.383		
400.00	400.00	375.00	375.00	1.21	5.62	156.55	-4,237.70	1,837.97	4,619.12	4,612.29	6.83	676.318		
500.00	500.00	475.00	475.00	1.57	7.37	156.55	-4,237.70	1,837.97	4,619.12	4,610.18	8.93	517.049		
600.00	600.00	575.00	575.00	1.93	9.11	156.55	-4,237.70	1,837.97	4,619.12	4,608.08	11.04	418.497		
700.00	700.00	675.00	675.00	2.29	10.86	156.55	-4,237.70	1,837.97	4,619.12	4,605.97	13.14	351.499		
800.00	800.00	775.00	775.00	2.64	12.60	156.55	-4,237.70	1,837.97	4,619.12	4,603.87	15.25	302.992		
900.00	900.00	875.00	875.00	3.00	14.35	156.55	-4,237.70	1,837.97	4,619.12	4,601.77	17.35	266.250		
1,000.00	1,000.00	975.00	975.00	3.36	16.09	156.55	-4,237.70	1,837.97	4,619.12	4,599.66	19.45	237.455		
1,100.00	1,100.00	1,075.00	1,075.00	3.72	17.84	156.55	-4,237.70	1,837.97	4,619.12	4,597.56	21.56	214.280		
1,200.00	1,199.98	1,174.98	1,174.98	4.07	19.58	105.50	-4,237.70	1,837.97	4,619.58	4,595.92	23.66	195.275		
1,300.00	1,299.84	1,274.84	1,274.84	4.43	21.33	105.53	-4,237.70	1,837.97	4,620.98	4,595.23	25.75	179.429		
1,400.00	1,399.45	1,374.45	1,374.45	4.79	23.06	105.59	-4,237.70	1,837.97	4,623.33	4,595.48	27.85	166.002		
1,500.00	1,498.70	1,473.70	1,473.70	5.15	24.80	105.67	-4,237.70	1,837.97	4,626.64	4,596.69	29.95	154.481		
1,600.00	1,597.47	1,572.47	1,572.47	5.53	26.52	105.77	-4,237.70	1,837.97	4,630.92	4,598.87	32.05	144.485		
1,700.00	1,695.62	1,670.62	1,670.62	5.93	28.23	105.89	-4,237.70	1,837.97	4,636.22	4,602.06	34.16	135.725		
1,800.00	1,793.06	1,768.06	1,768.06	6.35	29.93	106.03	-4,237.70	1,837.97	4,642.56	4,606.28	36.27	127.983		
1,900.00	1,889.64	1,864.64	1,864.64	6.79	31.62	106.19	-4,237.70	1,837.97	4,649.97	4,611.57	38.40	121.085		
2,000.00	1,985.27	1,960.27	1,960.27	7.27	33.29	106.35	-4,237.70	1,837.97	4,658.51	4,617.97	40.54	114.900		
2,100.00	2,079.82	2,054.82	2,054.82	7.79	34.94	106.53	-4,237.70	1,837.97	4,668.21	4,625.51	42.70	109.319		
2,200.00	2,173.17	2,148.17	2,148.17	8.36	36.57	106.72	-4,237.70	1,837.97	4,679.13	4,634.25	44.88	104.260		
2,300.00	2,265.21	2,240.21	2,240.21	8.97	38.17	106.90	-4,237.70	1,837.97	4,691.31	4,644.24	47.08	99.652		
2,400.00	2,355.84	2,330.84	2,330.84	9.64	39.76	107.09	-4,237.70	1,837.97	4,704.83	4,655.53	49.30	95.441		
2,500.00	2,444.94	2,419.94	2,419.94	10.36	41.31	107.28	-4,237.70	1,837.97	4,719.72	4,668.18	51.54	91.581		
2,591.69	2,525.19	2,500.19	2,500.19	11.07	42.71	107.45	-4,237.70	1,837.97	4,734.64	4,681.03	53.61	88.318		
2,600.00	2,532.40	2,507.40	2,507.40	11.14	42.84	107.49	-4,237.70	1,837.97	4,736.05	4,682.25	53.80	88.034		
2,700.00	2,619.15	2,605.85	2,594.15	11.96	44.56	107.99	-4,237.70	1,837.97	4,753.26	4,696.98	56.28	84.452		
2,800.00	2,705.89	2,680.89	2,680.89	12.81	45.87	108.50	-4,237.70	1,837.97	4,770.93	4,712.56	58.38	81.726		
2,900.00	2,792.64	2,767.64	2,767.64	13.67	47.38	108.99	-4,237.70	1,837.97	4,789.06	4,728.37	60.69	78.915		
3,000.00	2,879.39	2,854.39	2,854.39	14.55	48.89	109.49	-4,237.70	1,837.97	4,807.63	4,744.62	63.00	76.306		
3,100.00	2,966.14	2,941.14	2,941.14	15.44	50.41	109.98	-4,237.70	1,837.97	4,826.64	4,761.31	65.33	73.882		
3,200.00	3,052.88	3,027.88	3,027.88	16.34	51.92	110.47	-4,237.70	1,837.97	4,846.09	4,778.43	67.66	71.626		
3,300.00	3,139.63	3,114.63	3,114.63	17.25	53.44	110.96	-4,237.70	1,837.97	4,865.96	4,795.98	69.99	69.524		
3,400.00	3,226.38	3,201.38	3,201.38	18.17	54.95	111.44	-4,237.70	1,837.97	4,886.27	4,813.95	72.32	67.563		
3,500.00	3,313.12	3,288.12	3,288.12	19.09	56.46	111.92	-4,237.70	1,837.97	4,906.99	4,832.34	74.65	65.730		
3,600.00	3,399.87	3,374.87	3,374.87	20.02	57.98	112.39	-4,237.70	1,837.97	4,928.13	4,851.15	76.99	64.014		
3,700.00	3,486.62	3,461.62	3,461.62	20.96	59.49	112.87	-4,237.70	1,837.97	4,949.68	4,870.37	79.32	62.405		
3,800.00	3,573.37	3,548.37	3,548.37	21.90	61.01	113.34	-4,237.70	1,837.97	4,971.64	4,889.99	81.64	60.895		
3,900.00	3,660.11	3,635.11	3,635.11	22.84	62.52	113.80	-4,237.70	1,837.97	4,993.99	4,910.02	83.97	59.475		
4,000.00	3,746.86	3,721.86	3,721.86	23.78	64.03	114.27	-4,237.70	1,837.97	5,016.74	4,930.45	86.29	58.138		
4,100.00	3,833.61	3,808.61	3,808.61	24.73	65.55	114.73	-4,237.70	1,837.97	5,039.87	4,951.26	88.61	56.878		
4,200.00	3,920.35	3,904.65	3,895.35	25.68	67.22	115.18	-4,237.70	1,837.97	5,063.39	4,972.31	91.08	55.590		
4,300.00	4,007.10	3,982.10	3,982.10	26.63	68.58	115.64	-4,237.70	1,837.97	5,087.29	4,994.05	93.23	54.566		
4,400.00	4,093.85	4,068.85	4,068.85	27.59	70.09	116.09	-4,237.70	1,837.97	5,111.55	5,016.02	95.54	53.504		
4,500.00	4,180.60	4,155.60	4,155.60	28.55	71.60	116.53	-4,237.70	1,837.97	5,136.19	5,038.35	97.84	52.497		
4,600.00	4,267.34	4,242.34	4,242.34	29.50	73.12	116.98	-4,237.70	1,837.97	5,161.19	5,061.05	100.13	51.544		
4,700.00	4,354.09	4,329.09	4,329.09	30.46	74.63	117.42	-4,237.70	1,837.97	5,186.54	5,084.12	102.42	50.638		
4,800.00	4,440.84	4,415.84	4,415.84	31.42	76.15	117.85	-4,237.70	1,837.97	5,212.25	5,107.54	104.71	49.779		
4,900.00	4,527.58	4,502.58	4,502.58	32.39	77.66	118.28	-4,237.70	1,837.97	5,238.30	5,131.31	106.99	48.961		
5,000.00	4,614.33	4,589.33	4,589.33	33.35	79.17	118.71	-4,237.70	1,837.97	5,264.69	5,155.43	109.26	48.183		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
5,100.00	4,701.08	4,676.08	4,676.08	34.31	80.69	119.14	-4,237.70	1,837.97	5,291.42	5,179.89	111.53	47.443		
5,200.00	4,787.82	4,762.82	4,762.82	35.28	82.20	119.56	-4,237.70	1,837.97	5,318.48	5,204.69	113.80	46.737		
5,300.00	4,874.57	4,849.57	4,849.57	36.25	83.72	119.98	-4,237.70	1,837.97	5,345.87	5,229.81	116.06	46.063		
5,400.00	4,961.32	4,936.32	4,936.32	37.21	85.23	120.39	-4,237.70	1,837.97	5,373.58	5,255.27	118.31	45.420		
5,500.00	5,048.07	5,023.07	5,023.07	38.18	86.74	120.81	-4,237.70	1,837.97	5,401.60	5,281.04	120.56	44.806		
5,600.00	5,134.81	5,109.81	5,109.81	39.15	88.26	121.21	-4,237.70	1,837.97	5,429.94	5,307.14	122.80	44.218		
5,700.00	5,221.56	5,203.44	5,196.56	40.12	89.89	121.62	-4,237.70	1,837.97	5,458.58	5,333.42	125.15	43.615		
5,800.00	5,308.31	5,283.31	5,283.31	41.09	91.29	122.02	-4,237.70	1,837.97	5,487.52	5,360.25	127.27	43.119		
5,900.00	5,395.05	5,370.05	5,370.05	42.06	92.80	122.42	-4,237.70	1,837.97	5,516.76	5,387.27	129.49	42.603		
6,000.00	5,481.80	5,450.00	5,450.00	43.03	94.20	122.78	-4,237.70	1,837.97	5,546.29	5,414.71	131.59	42.149		
6,100.00	5,568.55	5,450.00	5,450.00	44.00	94.20	122.78	-4,237.70	1,837.97	5,576.89	5,444.68	132.22	42.180		
6,200.00	5,655.30	5,450.00	5,450.00	44.97	94.20	122.78	-4,237.70	1,837.97	5,609.11	5,476.30	132.81	42.235		
6,300.00	5,742.04	5,450.00	5,450.00	45.94	94.20	122.78	-4,237.70	1,837.97	5,642.91	5,509.55	133.36	42.313		
6,400.00	5,828.79	5,450.00	5,450.00	46.92	94.20	122.78	-4,237.70	1,837.97	5,678.28	5,544.40	133.88	42.414		
6,500.00	5,915.54	5,450.00	5,450.00	47.89	94.20	122.78	-4,237.70	1,837.97	5,715.17	5,580.81	134.36	42.537		
6,600.00	6,002.28	5,450.00	5,450.00	48.86	94.20	122.78	-4,237.70	1,837.97	5,753.57	5,618.76	134.80	42.681		
6,700.00	6,089.03	5,450.00	5,450.00	49.83	94.20	122.78	-4,237.70	1,837.97	5,793.44	5,658.22	135.22	42.846		
6,800.00	6,175.78	5,450.00	5,450.00	50.81	94.20	122.78	-4,237.70	1,837.97	5,834.75	5,699.15	135.60	43.030		
6,900.00	6,262.53	5,450.00	5,450.00	51.78	94.20	122.78	-4,237.70	1,837.97	5,877.47	5,741.53	135.94	43.234		
7,000.00	6,349.27	5,450.00	5,450.00	52.76	94.20	122.78	-4,237.70	1,837.97	5,921.57	5,785.31	136.26	43.457		
7,100.00	6,436.02	5,450.00	5,450.00	53.73	94.20	122.78	-4,237.70	1,837.97	5,967.02	5,830.47	136.55	43.698		
7,200.00	6,522.77	5,450.00	5,450.00	54.71	94.20	122.78	-4,237.70	1,837.97	6,013.80	5,876.99	136.81	43.957		
7,300.00	6,609.51	5,450.00	5,450.00	55.68	94.20	122.78	-4,237.70	1,837.97	6,061.86	5,924.81	137.04	44.233		
7,400.00	6,696.26	5,450.00	5,450.00	56.66	94.20	122.78	-4,237.70	1,837.97	6,111.18	5,973.92	137.25	44.526		
7,500.00	6,783.01	5,450.00	5,450.00	57.63	94.20	122.78	-4,237.70	1,837.97	6,161.72	6,024.29	137.43	44.834		
7,600.00	6,869.76	5,450.00	5,450.00	58.61	94.20	122.78	-4,237.70	1,837.97	6,213.47	6,075.88	137.59	45.159		
7,683.49	6,942.18	5,450.00	5,450.00	59.42	94.20	122.78	-4,237.70	1,837.97	6,257.57	6,119.86	137.71	45.441		
7,700.00	6,956.57	5,450.00	5,450.00	59.58	94.20	120.39	-4,237.70	1,837.97	6,266.18	6,128.45	137.73	45.497		
7,750.00	7,000.85	5,450.00	5,450.00	60.04	94.20	112.13	-4,237.70	1,837.97	6,289.95	6,152.17	137.78	45.651		
7,800.00	7,045.94	5,450.00	5,450.00	60.46	94.20	102.39	-4,237.70	1,837.97	6,310.12	6,172.30	137.82	45.784		
7,850.00	7,091.49	5,450.00	5,450.00	60.84	94.20	91.57	-4,237.70	1,837.97	6,326.58	6,188.73	137.85	45.894		
7,900.00	7,137.15	5,450.00	5,450.00	61.17	94.20	80.43	-4,237.70	1,837.97	6,339.24	6,201.38	137.86	45.983		
7,950.00	7,182.58	5,450.00	5,450.00	61.44	94.20	69.87	-4,237.70	1,837.97	6,348.01	6,210.17	137.84	46.052		
8,000.00	7,227.43	5,450.00	5,450.00	61.67	94.20	60.54	-4,237.70	1,837.97	6,352.85	6,215.05	137.81	46.100		
8,050.00	7,271.36	5,450.00	5,450.00	61.84	94.20	52.69	-4,237.70	1,837.97	6,353.74	6,216.00	137.74	46.128		
8,100.00	7,314.04	5,450.00	5,450.00	61.96	94.20	46.26	-4,237.70	1,837.97	6,350.66	6,213.00	137.65	46.135		
8,150.00	7,355.14	5,450.00	5,450.00	62.04	94.20	41.07	-4,237.70	1,837.97	6,343.63	6,206.09	137.54	46.121		
8,200.00	7,394.34	5,450.00	5,450.00	62.07	94.20	36.88	-4,237.70	1,837.97	6,332.69	6,195.28	137.41	46.086		
8,250.00	7,431.36	5,450.00	5,450.00	62.06	94.20	33.48	-4,237.70	1,837.97	6,317.92	6,180.66	137.26	46.029		
8,300.00	7,465.90	5,450.00	5,450.00	62.01	94.20	30.71	-4,237.70	1,837.97	6,299.38	6,162.29	137.09	45.950		
8,350.00	7,497.71	5,450.00	5,450.00	61.93	94.20	28.44	-4,237.70	1,837.97	6,277.20	6,140.29	136.91	45.848		
8,400.00	7,526.53	5,450.00	5,450.00	61.81	94.20	26.55	-4,237.70	1,837.97	6,251.50	6,114.78	136.72	45.725		
8,450.00	7,552.17	5,450.00	5,450.00	61.66	94.20	24.98	-4,237.70	1,837.97	6,222.43	6,085.91	136.52	45.578		
8,500.00	7,574.41	5,450.00	5,450.00	61.48	94.20	23.65	-4,237.70	1,837.97	6,190.18	6,053.86	136.32	45.410		
8,550.00	7,593.09	5,450.00	5,450.00	61.29	94.20	22.51	-4,237.70	1,837.97	6,154.93	6,018.82	136.12	45.218		
8,600.00	7,608.07	5,450.00	5,450.00	61.07	94.20	21.51	-4,237.70	1,837.97	6,116.92	5,981.00	135.92	45.005		
8,650.00	7,619.23	5,450.00	5,450.00	60.84	94.20	20.59	-4,237.70	1,837.97	6,076.37	5,940.64	135.72	44.770		
8,700.00	7,626.48	5,450.00	5,450.00	60.60	94.20	19.69	-4,237.70	1,837.97	6,033.54	5,898.00	135.54	44.514		
8,750.00	7,629.78	5,450.00	5,450.00	60.35	94.20	18.69	-4,237.70	1,837.97	5,988.73	5,853.36	135.38	44.238		
8,766.45	7,630.00	5,450.00	5,450.00	60.27	94.20	18.32	-4,237.70	1,837.97	5,973.61	5,838.28	135.33	44.143		
8,800.00	7,630.00	5,450.00	5,450.00	60.10	94.20	18.32	-4,237.70	1,837.97	5,942.58	5,807.36	135.22	43.947		
8,900.00	7,630.00	5,450.00	5,450.00	59.61	94.20	18.32	-4,237.70	1,837.97	5,850.29	5,715.39	134.90	43.367		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
9,000.00	7,630.00	5,450.00	5,450.00	59.15	94.20	18.32	-4,237.70	1,837.97	5,758.26	5,623.69	134.57	42.790		
9,100.00	7,630.00	5,450.00	5,450.00	58.71	94.20	18.32	-4,237.70	1,837.97	5,666.49	5,532.27	134.23	42.215		
9,200.00	7,630.00	5,450.00	5,450.00	58.30	94.20	18.32	-4,237.70	1,837.97	5,575.01	5,441.14	133.87	41.643		
9,300.00	7,630.00	5,450.00	5,450.00	57.91	94.20	18.32	-4,237.70	1,837.97	5,483.83	5,350.32	133.51	41.075		
9,400.00	7,630.00	5,450.00	5,450.00	57.54	94.20	18.32	-4,237.70	1,837.97	5,392.96	5,259.83	133.13	40.510		
9,500.00	7,630.00	5,450.00	5,450.00	57.19	94.20	18.32	-4,237.70	1,837.97	5,302.42	5,169.68	132.73	39.948		
9,600.00	7,630.00	5,450.00	5,450.00	56.87	94.20	18.32	-4,237.70	1,837.97	5,212.22	5,079.90	132.32	39.390		
9,700.00	7,630.00	5,450.00	5,450.00	56.57	94.20	18.32	-4,237.70	1,837.97	5,122.39	4,990.49	131.90	38.836		
9,800.00	7,630.00	5,450.00	5,450.00	56.30	94.20	18.32	-4,237.70	1,837.97	5,032.94	4,901.48	131.46	38.286		
9,900.00	7,630.00	5,450.00	5,450.00	56.05	94.20	18.32	-4,237.70	1,837.97	4,943.89	4,812.90	131.00	37.740		
10,000.00	7,630.00	5,450.00	5,450.00	55.82	94.20	18.32	-4,237.70	1,837.97	4,855.27	4,724.75	130.52	37.199		
10,100.00	7,630.00	5,450.00	5,450.00	55.63	94.20	18.32	-4,237.70	1,837.97	4,767.11	4,637.08	130.02	36.663		
10,200.00	7,630.00	5,450.00	5,450.00	55.46	94.20	18.32	-4,237.70	1,837.97	4,679.41	4,549.91	129.51	36.132		
10,300.00	7,630.00	5,450.00	5,450.00	55.32	94.20	18.32	-4,237.70	1,837.97	4,592.23	4,463.25	128.97	35.607		
10,400.00	7,630.00	5,450.00	5,450.00	55.22	94.20	18.32	-4,237.70	1,837.97	4,505.57	4,377.16	128.41	35.087		
10,500.00	7,630.00	5,450.00	5,450.00	55.15	94.20	18.32	-4,237.70	1,837.97	4,419.48	4,291.65	127.83	34.573		
10,600.00	7,630.00	5,450.00	5,450.00	55.14	94.20	18.32	-4,237.70	1,837.97	4,333.98	4,206.76	127.22	34.066		
10,700.00	7,630.00	5,450.00	5,450.00	55.18	94.20	18.32	-4,237.70	1,837.97	4,249.12	4,122.53	126.59	33.566		
10,800.00	7,630.00	5,450.00	5,450.00	55.28	94.20	18.32	-4,237.70	1,837.97	4,164.93	4,039.00	125.93	33.073		
10,900.00	7,630.00	5,450.00	5,450.00	55.47	94.20	18.32	-4,237.70	1,837.97	4,081.45	3,956.21	125.24	32.588		
11,000.00	7,630.00	5,450.00	5,450.00	55.74	94.20	18.32	-4,237.70	1,837.97	3,998.73	3,874.20	124.53	32.112		
11,100.00	7,630.00	5,450.00	5,450.00	56.11	94.20	18.32	-4,237.70	1,837.97	3,916.82	3,793.04	123.78	31.644		
11,200.00	7,630.00	5,450.00	5,450.00	56.60	94.20	18.32	-4,237.70	1,837.97	3,835.76	3,712.76	123.00	31.185		
11,300.00	7,630.00	5,450.00	5,450.00	57.20	94.20	18.32	-4,237.70	1,837.97	3,755.62	3,633.43	122.19	30.737		
11,400.00	7,630.00	5,450.00	5,450.00	57.91	94.20	18.32	-4,237.70	1,837.97	3,676.45	3,555.11	121.34	30.299		
11,500.00	7,630.00	5,450.00	5,450.00	58.72	94.20	18.32	-4,237.70	1,837.97	3,598.32	3,477.86	120.46	29.872		
11,600.00	7,630.00	5,450.00	5,450.00	59.63	94.20	18.32	-4,237.70	1,837.97	3,521.29	3,401.76	119.54	29.458		
11,700.00	7,630.00	5,450.00	5,450.00	60.61	94.20	18.32	-4,237.70	1,837.97	3,445.45	3,326.87	118.58	29.056		
11,800.00	7,630.00	5,450.00	5,450.00	61.67	94.20	18.32	-4,237.70	1,837.97	3,370.87	3,253.29	117.58	28.669		
11,900.00	7,630.00	5,450.00	5,450.00	62.78	94.20	18.32	-4,237.70	1,837.97	3,297.63	3,181.09	116.54	28.295		
12,000.00	7,630.00	5,450.00	5,450.00	63.95	94.20	18.32	-4,237.70	1,837.97	3,225.83	3,110.36	115.47	27.938		
12,100.00	7,630.00	5,450.00	5,450.00	65.16	94.20	18.32	-4,237.70	1,837.97	3,155.56	3,041.22	114.35	27.597		
12,200.00	7,630.00	5,450.00	5,450.00	66.41	94.20	18.32	-4,237.70	1,837.97	3,086.94	2,973.76	113.19	27.273		
12,300.00	7,630.00	5,450.00	5,450.00	67.68	94.20	18.32	-4,237.70	1,837.97	3,020.07	2,908.09	111.98	26.969		
12,400.00	7,630.00	5,450.00	5,450.00	68.99	94.20	18.32	-4,237.70	1,837.97	2,955.07	2,844.33	110.74	26.684		
12,500.00	7,630.00	5,450.00	5,450.00	70.33	94.20	18.32	-4,237.70	1,837.97	2,892.07	2,782.61	109.46	26.421		
12,600.00	7,630.00	5,450.00	5,450.00	71.68	94.20	18.32	-4,237.70	1,837.97	2,831.19	2,723.05	108.14	26.180		
12,700.00	7,630.00	5,450.00	5,450.00	73.06	94.20	18.32	-4,237.70	1,837.97	2,772.59	2,665.80	106.79	25.963		
12,800.00	7,630.00	5,450.00	5,450.00	74.45	94.20	18.32	-4,237.70	1,837.97	2,716.41	2,611.00	105.41	25.771		
12,900.00	7,630.00	5,450.00	5,450.00	75.87	94.20	18.32	-4,237.70	1,837.97	2,662.80	2,558.80	104.00	25.604		
13,000.00	7,630.00	5,450.00	5,450.00	77.29	94.20	18.32	-4,237.70	1,837.97	2,611.92	2,509.34	102.58	25.463		
13,100.00	7,630.00	5,450.00	5,450.00	78.74	94.20	18.32	-4,237.70	1,837.97	2,563.93	2,462.78	101.15	25.349		
13,200.00	7,630.00	5,450.00	5,450.00	80.19	94.20	18.32	-4,237.70	1,837.97	2,519.00	2,419.28	99.72	25.261		
13,300.00	7,630.00	5,450.00	5,450.00	81.66	94.20	18.32	-4,237.70	1,837.97	2,477.29	2,378.97	98.32	25.197		
13,400.00	7,630.00	5,450.00	5,450.00	83.14	94.20	18.32	-4,237.70	1,837.97	2,438.97	2,342.02	96.95	25.156		
13,500.00	7,630.00	5,450.00	5,450.00	84.63	94.20	18.32	-4,237.70	1,837.97	2,404.20	2,308.54	95.66	25.133		
13,600.00	7,630.00	5,450.00	5,450.00	86.14	94.20	18.32	-4,237.70	1,837.97	2,373.14	2,278.68	94.47	25.121		
13,700.00	7,630.00	5,450.00	5,450.00	87.65	94.20	18.32	-4,237.70	1,837.97	2,345.94	2,252.52	93.41	25.113		
13,800.00	7,630.00	5,450.00	5,450.00	89.17	94.20	18.32	-4,237.70	1,837.97	2,322.72	2,230.18	92.55	25.098		
13,900.00	7,630.00	5,450.00	5,450.00	90.70	94.20	18.32	-4,237.70	1,837.97	2,303.62	2,211.70	91.91	25.063		
14,000.00	7,630.00	5,450.00	5,450.00	92.24	94.20	18.32	-4,237.70	1,837.97	2,288.73	2,197.15	91.58	24.993		
14,100.00	7,630.00	5,450.00	5,450.00	93.78	94.20	18.32	-4,237.70	1,837.97	2,278.13	2,186.55	91.58	24.875		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<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 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		
14,200.00	7,630.00	5,450.00	5,450.00	95.33	94.20	18.32	-4,237.70	1,837.97	2,271.89	2,179.92	91.98	24.701		
14,291.93	7,630.00	5,450.00	5,450.00	96.77	94.20	18.32	-4,237.70	1,837.97	2,270.03	2,177.33	92.70	24.487 CC		
14,300.00	7,630.00	5,450.00	5,450.00	96.89	94.20	18.32	-4,237.70	1,837.97	2,270.05	2,177.26	92.78	24.466 ES		
14,400.00	7,630.00	5,450.00	5,450.00	98.46	94.20	18.32	-4,237.70	1,837.97	2,272.60	2,178.60	94.00	24.176		
14,500.00	7,630.00	5,450.00	5,450.00	100.03	94.20	18.32	-4,237.70	1,837.97	2,279.55	2,183.93	95.61	23.841		
14,600.00	7,630.00	5,450.00	5,450.00	101.61	94.20	18.32	-4,237.70	1,837.97	2,290.84	2,193.27	97.57	23.480		
14,700.00	7,630.00	5,450.00	5,450.00	103.20	94.20	18.32	-4,237.70	1,837.97	2,306.42	2,206.62	99.80	23.111		
14,800.00	7,630.00	5,450.00	5,450.00	104.78	94.20	18.32	-4,237.70	1,837.97	2,326.19	2,223.96	102.24	22.753		
14,900.00	7,630.00	5,450.00	5,450.00	106.38	94.20	18.32	-4,237.70	1,837.97	2,350.06	2,245.24	104.82	22.420		
15,000.00	7,630.00	5,450.00	5,450.00	107.98	94.20	18.32	-4,237.70	1,837.97	2,377.90	2,270.42	107.48	22.124		
15,100.00	7,630.00	5,450.00	5,450.00	109.58	94.20	18.32	-4,237.70	1,837.97	2,409.57	2,299.40	110.17	21.872		
15,200.00	7,630.00	5,450.00	5,450.00	111.19	94.20	18.32	-4,237.70	1,837.97	2,444.92	2,332.08	112.84	21.668		
15,300.00	7,630.00	5,450.00	5,450.00	112.81	94.20	18.32	-4,237.70	1,837.97	2,483.80	2,368.35	115.45	21.514		
15,400.00	7,630.00	5,450.00	5,450.00	114.42	94.20	18.32	-4,237.70	1,837.97	2,526.04	2,408.05	117.99	21.410		
15,500.00	7,630.00	5,450.00	5,450.00	116.05	94.20	18.32	-4,237.70	1,837.97	2,571.47	2,451.05	120.42	21.354		
15,600.00	7,630.00	5,450.00	5,450.00	117.67	94.20	18.32	-4,237.70	1,837.97	2,619.94	2,497.20	122.74	21.345 SF		
15,700.00	7,630.00	5,450.00	5,450.00	119.30	94.20	18.32	-4,237.70	1,837.97	2,671.27	2,546.33	124.95	21.379		
15,800.00	7,630.00	5,450.00	5,450.00	120.93	94.20	18.32	-4,237.70	1,837.97	2,725.31	2,598.29	127.02	21.455		
15,900.00	7,630.00	5,450.00	5,450.00	122.57	94.20	18.32	-4,237.70	1,837.97	2,781.89	2,652.92	128.98	21.569		
16,000.00	7,630.00	5,450.00	5,450.00	124.21	94.20	18.32	-4,237.70	1,837.97	2,840.87	2,710.06	130.81	21.718		
16,100.00	7,630.00	5,450.00	5,450.00	125.85	94.20	18.32	-4,237.70	1,837.97	2,902.10	2,769.58	132.52	21.900		
16,200.00	7,630.00	5,450.00	5,450.00	127.50	94.20	18.32	-4,237.70	1,837.97	2,965.43	2,831.32	134.11	22.112		
16,300.00	7,630.00	5,450.00	5,450.00	129.15	94.20	18.32	-4,237.70	1,837.97	3,030.74	2,895.15	135.59	22.352		
16,400.00	7,630.00	5,450.00	5,450.00	130.80	94.20	18.32	-4,237.70	1,837.97	3,097.90	2,960.94	136.97	22.618		
16,500.00	7,630.00	5,450.00	5,450.00	132.46	94.20	18.32	-4,237.70	1,837.97	3,166.80	3,028.56	138.24	22.907		
16,600.00	7,630.00	5,450.00	5,450.00	134.11	94.20	18.32	-4,237.70	1,837.97	3,237.32	3,097.89	139.43	23.218		
16,700.00	7,630.00	5,450.00	5,450.00	135.77	94.20	18.32	-4,237.70	1,837.97	3,309.36	3,168.83	140.53	23.550		
16,800.00	7,630.00	5,450.00	5,450.00	137.43	94.20	18.32	-4,237.70	1,837.97	3,382.82	3,241.28	141.54	23.899		
16,900.00	7,630.00	5,450.00	5,450.00	139.10	94.20	18.32	-4,237.70	1,837.97	3,457.61	3,315.13	142.49	24.266		
17,000.00	7,630.00	5,450.00	5,450.00	140.77	94.20	18.32	-4,237.70	1,837.97	3,533.65	3,390.29	143.36	24.649		
17,100.00	7,630.00	5,450.00	5,450.00	142.44	94.20	18.32	-4,237.70	1,837.97	3,610.86	3,466.69	144.17	25.046		
17,200.00	7,630.00	5,450.00	5,450.00	144.11	94.20	18.32	-4,237.70	1,837.97	3,689.16	3,544.25	144.92	25.457		
17,300.00	7,630.00	5,450.00	5,450.00	145.78	94.20	18.32	-4,237.70	1,837.97	3,768.49	3,622.88	145.61	25.880		
17,400.00	7,630.00	5,450.00	5,450.00	147.46	94.20	18.32	-4,237.70	1,837.97	3,848.79	3,702.53	146.26	26.315		
17,500.00	7,630.00	5,450.00	5,450.00	149.13	94.20	18.32	-4,237.70	1,837.97	3,929.98	3,783.13	146.85	26.761		
17,600.00	7,630.00	5,450.00	5,450.00	150.81	94.20	18.32	-4,237.70	1,837.97	4,012.03	3,864.62	147.41	27.217		
17,700.00	7,630.00	5,450.00	5,450.00	152.49	94.20	18.32	-4,237.70	1,837.97	4,094.87	3,946.95	147.93	27.682		
17,800.00	7,630.00	5,450.00	5,450.00	154.18	94.20	18.32	-4,237.70	1,837.97	4,178.47	4,030.06	148.41	28.156		
17,900.00	7,630.00	5,450.00	5,450.00	155.86	94.20	18.32	-4,237.70	1,837.97	4,262.77	4,113.92	148.85	28.638		
18,000.00	7,630.00	5,450.00	5,450.00	157.55	94.20	18.32	-4,237.70	1,837.97	4,347.74	4,198.47	149.27	29.127		
18,100.00	7,630.00	5,450.00	5,450.00	159.24	94.20	18.32	-4,237.70	1,837.97	4,433.33	4,283.68	149.66	29.624		
18,200.00	7,630.00	5,450.00	5,450.00	160.92	94.20	18.32	-4,237.70	1,837.97	4,519.52	4,369.50	150.02	30.127		
18,300.00	7,630.00	5,450.00	5,450.00	162.62	94.20	18.32	-4,237.70	1,837.97	4,606.27	4,455.91	150.36	30.636		
18,400.00	7,630.00	5,450.00	5,450.00	164.31	94.20	18.32	-4,237.70	1,837.97	4,693.54	4,542.87	150.67	31.151		
18,458.39	7,630.00	5,450.00	5,450.00	165.30	94.20	18.32	-4,237.70	1,837.97	4,744.73	4,593.88	150.85	31.454		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	154.64	-4,569.17	2,165.66	5,056.43					
100.00	100.00	71.32	71.32	0.13	0.11	154.64	-4,569.39	2,165.54	5,056.61	5,056.36	0.25	N/A		
200.00	200.00	166.48	166.48	0.49	0.40	154.65	-4,570.15	2,165.10	5,057.13	5,056.24	0.89	5,672.507		
300.00	300.00	285.78	285.77	0.85	0.83	154.66	-4,570.86	2,164.59	5,057.49	5,055.81	1.68	3,015.077		
400.00	400.00	381.15	381.14	1.21	1.17	154.66	-4,571.05	2,164.47	5,057.63	5,055.25	2.38	2,128.902		
500.00	500.00	482.93	482.92	1.57	1.53	154.66	-4,571.30	2,164.47	5,057.84	5,054.75	3.10	1,633.280		
600.00	600.00	613.46	613.45	1.93	1.99	154.67	-4,571.53	2,163.82	5,057.82	5,053.90	3.92	1,291.136		
700.00	700.00	779.87	779.84	2.29	2.57	154.68	-4,570.14	2,161.85	5,056.44	5,051.59	4.85	1,042.525		
800.00	800.00	874.41	874.37	2.64	2.89	154.69	-4,568.84	2,160.79	5,054.71	5,049.17	5.53	913.239		
900.00	900.00	974.90	974.85	3.00	3.24	154.69	-4,567.52	2,159.82	5,053.11	5,046.86	6.24	809.505		
1,000.00	1,000.00	1,111.67	1,111.58	3.36	3.72	154.70	-4,565.22	2,158.44	5,051.18	5,044.10	7.08	713.715		
1,100.00	1,100.00	1,181.54	1,181.44	3.72	3.96	154.70	-4,564.04	2,157.70	5,049.17	5,041.49	7.68	657.293		
1,200.00	1,199.98	1,274.28	1,274.17	4.07	4.29	103.67	-4,562.74	2,156.86	5,047.92	5,039.56	8.36	603.572		
1,277.76	1,277.65	1,343.99	1,343.87	4.35	4.54	103.72	-4,561.77	2,156.33	5,047.59	5,038.71	8.89	568.099		
1,300.00	1,299.84	1,362.94	1,362.82	4.43	4.60	103.73	-4,561.55	2,156.17	5,047.62	5,038.59	9.03	558.931		
1,400.00	1,399.45	1,445.98	1,445.85	4.79	4.90	103.80	-4,560.78	2,155.35	5,048.45	5,038.76	9.68	521.303		
1,500.00	1,498.70	1,530.96	1,530.83	5.15	5.20	103.88	-4,560.27	2,154.63	5,050.47	5,040.11	10.35	487.806		
1,600.00	1,597.47	1,627.05	1,626.91	5.53	5.54	103.99	-4,559.84	2,153.88	5,053.53	5,042.46	11.07	456.318		
1,700.00	1,695.62	1,725.11	1,724.96	5.93	5.89	104.13	-4,559.38	2,153.00	5,057.44	5,045.62	11.82	427.882		
1,800.00	1,793.06	1,803.20	1,803.06	6.35	6.17	104.23	-4,559.21	2,152.34	5,062.53	5,050.01	12.52	404.513		
1,900.00	1,889.64	1,901.27	1,901.12	6.79	6.52	104.40	-4,559.26	2,151.35	5,068.76	5,055.45	13.31	380.866		
2,000.00	1,985.27	1,996.02	1,995.86	7.27	6.86	104.57	-4,559.35	2,150.26	5,075.99	5,061.87	14.12	359.445		
2,100.00	2,079.82	2,113.73	2,113.56	7.79	7.28	104.85	-4,559.27	2,148.72	5,084.09	5,069.03	15.05	337.718		
2,200.00	2,173.17	2,200.70	2,200.53	8.36	7.59	105.02	-4,559.07	2,147.61	5,093.17	5,077.25	15.92	319.975		
2,300.00	2,265.21	2,303.13	2,302.95	8.97	7.96	105.27	-4,558.74	2,146.29	5,103.34	5,086.46	16.88	302.323		
2,400.00	2,355.84	2,387.97	2,387.78	9.64	8.27	105.45	-4,558.46	2,145.11	5,114.69	5,096.87	17.83	286.897		
2,500.00	2,444.94	2,485.79	2,485.59	10.36	8.62	105.70	-4,558.04	2,143.93	5,127.32	5,108.45	18.87	271.701		
2,591.69	2,525.19	2,572.58	2,572.37	11.07	8.93	105.92	-4,557.43	2,143.05	5,139.92	5,120.06	19.86	258.775		
2,600.00	2,532.40	2,580.31	2,580.10	11.14	8.95	105.96	-4,557.37	2,142.97	5,141.11	5,121.16	19.95	257.649		
2,700.00	2,619.15	2,695.72	2,695.50	11.96	9.37	106.59	-4,556.26	2,141.58	5,155.49	5,134.34	21.15	243.808		
2,800.00	2,705.89	2,771.00	2,770.76	12.81	9.64	107.00	-4,555.44	2,140.45	5,170.11	5,147.90	22.21	232.781		
2,900.00	2,792.64	2,850.63	2,850.38	13.67	9.92	107.43	-4,554.82	2,139.09	5,185.36	5,162.06	23.30	222.513		
3,000.00	2,879.39	2,932.35	2,932.08	14.55	10.21	107.88	-4,554.40	2,137.25	5,201.13	5,176.71	24.41	213.036		
3,100.00	2,966.14	3,011.14	3,010.85	15.44	10.50	108.31	-4,554.11	2,135.41	5,217.44	5,191.92	25.52	204.436		
3,200.00	3,052.88	3,086.33	3,086.01	16.34	10.77	108.72	-4,553.95	2,133.72	5,234.36	5,207.74	26.62	196.638		
3,300.00	3,139.63	3,187.11	3,186.77	17.25	11.13	109.27	-4,553.73	2,131.47	5,251.72	5,223.91	27.81	188.809		
3,400.00	3,226.38	3,268.13	3,267.77	18.17	11.42	109.70	-4,553.41	2,129.69	5,269.38	5,240.44	28.94	182.082		
3,500.00	3,313.12	3,349.01	3,348.64	19.09	11.71	110.14	-4,553.14	2,128.12	5,287.59	5,257.52	30.06	175.876		
3,600.00	3,399.87	3,428.26	3,427.87	20.02	12.00	110.56	-4,552.99	2,126.44	5,306.29	5,275.11	31.18	170.171		
3,700.00	3,486.62	3,502.02	3,501.62	20.96	12.26	110.95	-4,552.98	2,124.94	5,325.59	5,293.32	32.28	164.992		
3,800.00	3,573.37	3,593.06	3,592.64	21.90	12.59	111.43	-4,552.99	2,123.25	5,345.37	5,311.93	33.44	159.866		
3,900.00	3,660.11	3,674.30	3,673.86	22.84	12.88	111.85	-4,552.99	2,121.76	5,365.55	5,330.99	34.56	155.270		
4,000.00	3,746.86	3,766.82	3,766.36	23.78	13.21	112.33	-4,553.04	2,119.93	5,386.16	5,350.44	35.72	150.807		
4,100.00	3,833.61	3,854.14	3,853.66	24.73	13.53	112.78	-4,552.96	2,118.22	5,407.05	5,370.20	36.85	146.723		
4,200.00	3,920.35	3,935.14	3,934.65	25.68	13.82	113.20	-4,552.91	2,116.73	5,428.39	5,390.43	37.96	142.999		
4,300.00	4,007.10	4,021.88	4,021.38	26.63	14.13	113.64	-4,552.93	2,115.21	5,450.21	5,411.12	39.09	139.435		
4,400.00	4,093.85	4,133.92	4,133.40	27.59	14.53	114.20	-4,552.55	2,113.45	5,472.14	5,431.84	40.31	135.761		
4,500.00	4,180.60	4,238.28	4,237.76	28.55	14.90	114.72	-4,551.66	2,112.46	5,494.12	5,452.63	41.49	132.417		
4,600.00	4,267.34	4,327.94	4,327.41	29.50	15.22	115.15	-4,550.55	2,112.15	5,516.24	5,473.63	42.61	129.454		
4,700.00	4,354.09	4,397.30	4,396.76	30.46	15.46	115.48	-4,549.80	2,112.08	5,538.89	5,495.24	43.65	126.896		
4,800.00	4,440.84	4,472.62	4,472.08	31.42	15.72	115.84	-4,549.20	2,112.00	5,562.11	5,517.41	44.70	124.419		
4,900.00	4,527.58	4,555.62	4,555.08	32.39	16.01	116.23	-4,548.70	2,111.72	5,585.82	5,540.03	45.79	121.994		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,614.33	4,667.81	4,667.26	33.35	16.41	116.77	-4,547.99	2,110.68	5,609.78	5,562.79	46.98	119.405		
5,100.00	4,701.08	4,809.92	4,809.34	34.31	16.92	117.45	-4,546.11	2,108.26	5,633.36	5,585.08	48.28	116.672		
5,200.00	4,787.82	4,904.08	4,903.46	35.28	17.26	117.90	-4,544.37	2,106.56	5,656.83	5,607.44	49.40	114.520		
5,300.00	4,874.57	4,985.26	4,984.62	36.25	17.55	118.28	-4,542.83	2,105.10	5,680.61	5,630.15	50.45	112.590		
5,400.00	4,961.32	5,058.91	5,058.25	37.21	17.81	118.62	-4,541.54	2,103.74	5,704.84	5,653.37	51.48	110.821		
5,500.00	5,048.07	5,132.54	5,131.85	38.18	18.08	118.97	-4,540.45	2,102.27	5,729.63	5,677.14	52.50	109.145		
5,600.00	5,134.81	5,209.77	5,209.06	39.15	18.36	119.33	-4,539.48	2,100.59	5,754.92	5,701.40	53.52	107.526		
5,700.00	5,221.56	5,296.17	5,295.43	40.12	18.67	119.73	-4,538.45	2,098.69	5,780.60	5,726.02	54.58	105.915		
5,800.00	5,308.31	5,400.92	5,400.14	41.09	19.04	120.21	-4,537.04	2,096.38	5,806.47	5,750.77	55.70	104.245		
5,900.00	5,395.05	5,488.81	5,488.00	42.06	19.36	120.61	-4,535.70	2,094.35	5,832.51	5,775.76	56.75	102.773		
6,000.00	5,481.80	5,564.67	5,563.84	43.03	19.63	120.96	-4,534.59	2,092.70	5,858.93	5,801.18	57.75	101.455		
6,100.00	5,568.55	5,642.95	5,642.10	44.00	19.91	121.31	-4,533.56	2,091.34	5,885.82	5,827.07	58.75	100.182		
6,200.00	5,655.30	5,719.69	5,718.83	44.97	20.19	121.65	-4,532.63	2,090.08	5,913.10	5,853.36	59.74	98.978		
6,300.00	5,742.04	5,784.64	5,783.76	45.94	20.42	121.93	-4,532.02	2,089.24	5,940.94	5,880.26	60.68	97.909		
6,400.00	5,828.79	5,873.16	5,872.28	46.92	20.74	122.31	-4,531.36	2,088.30	5,969.25	5,907.54	61.71	96.738		
6,500.00	5,915.54	6,033.80	6,032.89	47.89	21.31	123.00	-4,529.23	2,086.17	5,997.39	5,934.37	63.02	95.171		
6,600.00	6,002.28	6,143.70	6,142.75	48.86	21.70	123.46	-4,526.56	2,085.21	6,024.77	5,960.65	64.12	93.965		
6,700.00	6,089.03	6,208.91	6,207.93	49.83	21.94	123.74	-4,525.11	2,083.90	6,052.62	5,987.58	65.03	93.070		
6,800.00	6,175.78	6,270.78	6,269.77	50.81	22.16	124.01	-4,523.98	2,082.50	6,081.08	6,015.15	65.93	92.235		
6,900.00	6,262.53	6,326.99	6,325.97	51.78	22.36	124.24	-4,523.19	2,081.36	6,110.20	6,043.40	66.80	91.473		
7,000.00	6,349.27	7,000.00	6,431.08	52.76	24.76	124.69	-4,522.21	2,078.87	6,140.06	6,070.18	69.88	87.863		
7,100.00	6,436.02	6,557.51	6,556.41	53.73	23.18	125.20	-4,519.89	2,077.31	6,169.30	6,100.31	68.99	89.417		
7,200.00	6,522.77	6,740.49	6,739.32	54.71	23.82	125.91	-4,515.04	2,077.72	6,198.33	6,127.98	70.35	88.104		
7,300.00	6,609.51	6,800.00	6,798.79	55.68	24.03	126.14	-4,512.83	2,078.19	6,226.57	6,155.35	71.22	87.431		
7,400.00	6,696.26	6,850.76	6,849.52	56.66	24.20	126.33	-4,511.23	2,078.62	6,255.53	6,183.49	72.04	86.837		
7,500.00	6,783.01	6,900.00	6,898.75	57.63	24.37	126.51	-4,510.25	2,079.07	6,285.54	6,212.70	72.84	86.287		
7,600.00	6,869.76	7,000.00	6,982.22	58.61	26.82	126.84	-4,508.65	2,078.72	6,315.97	6,240.02	75.94	83.169		
7,683.49	6,942.18	7,064.12	7,062.83	59.42	24.94	127.15	-4,506.90	2,078.06	6,341.36	6,266.74	74.61	84.991		
7,700.00	6,956.57	7,074.84	7,073.54	59.58	24.98	124.74	-4,506.68	2,078.07	6,346.19	6,271.44	74.75	84.895		
7,750.00	7,000.85	7,100.00	7,098.70	60.04	25.07	116.42	-4,506.21	2,078.21	6,358.14	6,282.99	75.15	84.601		
7,800.00	7,045.94	7,136.92	7,135.62	60.46	25.20	106.70	-4,505.60	2,078.46	6,365.97	6,290.36	75.60	84.202		
7,850.00	7,091.49	7,166.97	7,165.66	60.84	25.30	95.90	-4,505.18	2,078.55	6,369.64	6,293.62	76.02	83.792		
7,900.00	7,137.15	7,200.00	7,198.69	61.17	25.42	84.84	-4,504.79	2,078.54	6,369.14	6,292.70	76.43	83.329		
7,950.00	7,182.58	7,233.85	7,232.53	61.44	25.54	74.39	-4,504.46	2,078.39	6,364.43	6,287.59	76.84	82.827		
8,000.00	7,227.43	7,270.89	7,269.57	61.67	25.67	65.23	-4,504.13	2,078.08	6,355.54	6,278.30	77.24	82.281		
8,050.00	7,271.36	7,312.25	7,310.93	61.84	25.82	57.61	-4,503.80	2,077.55	6,342.51	6,264.86	77.64	81.687		
8,100.00	7,314.04	7,373.32	7,371.99	61.96	26.04	51.55	-4,503.21	2,076.73	6,325.32	6,247.21	78.11	80.978		
8,150.00	7,355.14	7,425.25	7,423.91	62.04	26.22	46.75	-4,502.57	2,076.04	6,304.08	6,225.56	78.52	80.285		
8,200.00	7,394.34	7,469.21	7,467.86	62.07	26.38	43.01	-4,501.97	2,075.31	6,278.99	6,200.12	78.88	79.605		
8,250.00	7,431.36	7,510.42	7,509.06	62.06	26.53	40.14	-4,501.37	2,074.48	6,250.28	6,171.07	79.20	78.916		
8,300.00	7,465.90	7,522.60	7,521.23	62.01	26.57	37.86	-4,501.23	2,074.28	6,218.23	6,138.84	79.39	78.330		
8,350.00	7,497.71	7,539.08	7,537.71	61.93	26.63	36.23	-4,501.06	2,074.03	6,183.09	6,103.52	79.57	77.706		
8,400.00	7,526.53	7,554.12	7,552.76	61.81	26.69	35.17	-4,500.95	2,073.84	6,145.11	6,065.38	79.73	77.071		
8,450.00	7,552.17	7,567.60	7,566.23	61.66	26.73	34.66	-4,500.87	2,073.71	6,104.54	6,024.67	79.87	76.427		
8,500.00	7,574.41	7,579.38	7,578.01	61.48	26.78	34.76	-4,500.83	2,073.62	6,061.67	5,981.68	79.99	75.776		
8,550.00	7,593.09	7,600.00	7,598.63	61.29	26.85	35.75	-4,500.82	2,073.52	6,016.81	5,936.67	80.14	75.075		
8,600.00	7,608.07	7,600.00	7,598.63	61.07	26.85	37.63	-4,500.82	2,073.52	5,970.24	5,890.04	80.19	74.450		
8,650.00	7,619.23	7,617.54	7,616.17	60.84	26.91	41.93	-4,500.82	2,073.47	5,922.31	5,842.00	80.31	73.744		
8,700.00	7,626.48	7,636.83	7,635.46	60.60	26.98	51.46	-4,500.77	2,073.40	5,873.37	5,792.94	80.43	73.026		
8,750.00	7,629.78	7,645.11	7,643.74	60.35	27.01	76.57	-4,500.74	2,073.37	5,823.79	5,743.30	80.50	72.350		
8,766.45	7,630.00	7,645.50	7,644.13	60.27	27.01	92.65	-4,500.74	2,073.37	5,807.41	5,726.90	80.51	72.137		
8,800.00	7,630.00	7,645.13	7,643.76	60.10	27.01	92.61	-4,500.74	2,073.37	5,773.97	5,693.45	80.52	71.707		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference 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		
8,900.00	7,630.00	7,644.09	7,642.72	59.61	27.01	92.49	-4,500.75	2,073.37	5,674.32	5,593.75	80.57	70.427		
9,000.00	7,630.00	7,643.10	7,641.73	59.15	27.00	92.37	-4,500.75	2,073.38	5,574.68	5,494.06	80.62	69.146		
9,100.00	7,630.00	7,642.16	7,640.79	58.71	27.00	92.26	-4,500.75	2,073.38	5,475.05	5,394.38	80.68	67.864		
9,200.00	7,630.00	7,641.27	7,639.90	58.30	27.00	92.15	-4,500.76	2,073.38	5,375.44	5,294.71	80.73	66.582		
9,300.00	7,630.00	7,640.43	7,639.06	57.91	26.99	92.05	-4,500.76	2,073.39	5,275.85	5,195.05	80.80	65.298		
9,400.00	7,630.00	7,639.63	7,638.26	57.54	26.99	91.95	-4,500.76	2,073.39	5,176.26	5,095.40	80.86	64.015		
9,500.00	7,630.00	7,638.86	7,637.49	57.19	26.99	91.86	-4,500.77	2,073.39	5,076.70	4,995.77	80.93	62.730		
9,600.00	7,630.00	7,638.13	7,636.76	56.87	26.98	91.77	-4,500.77	2,073.40	4,977.15	4,896.15	81.00	61.445		
9,700.00	7,630.00	7,637.44	7,636.07	56.57	26.98	91.69	-4,500.77	2,073.40	4,877.62	4,796.54	81.08	60.160		
9,800.00	7,630.00	7,636.77	7,635.40	56.30	26.98	91.61	-4,500.77	2,073.40	4,778.11	4,696.95	81.16	58.874		
9,900.00	7,630.00	7,636.14	7,634.77	56.05	26.98	91.53	-4,500.78	2,073.40	4,678.62	4,597.38	81.24	57.588		
10,000.00	7,630.00	7,635.53	7,634.16	55.82	26.98	91.46	-4,500.78	2,073.41	4,579.16	4,497.82	81.33	56.301		
10,100.00	7,630.00	7,634.94	7,633.57	55.63	26.97	91.39	-4,500.78	2,073.41	4,479.71	4,398.28	81.43	55.014		
10,200.00	7,630.00	7,634.38	7,633.01	55.46	26.97	91.32	-4,500.78	2,073.41	4,380.29	4,298.77	81.53	53.727		
10,300.00	7,630.00	7,633.85	7,632.48	55.32	26.97	91.26	-4,500.78	2,073.41	4,280.90	4,199.27	81.63	52.440		
10,400.00	7,630.00	7,633.33	7,631.96	55.22	26.97	91.20	-4,500.78	2,073.42	4,181.54	4,099.79	81.75	51.152		
10,500.00	7,630.00	7,632.83	7,631.46	55.15	26.97	91.14	-4,500.79	2,073.42	4,082.21	4,000.34	81.87	49.865		
10,600.00	7,630.00	7,632.36	7,630.99	55.14	26.96	91.08	-4,500.79	2,073.42	3,982.91	3,900.92	81.99	48.577		
10,700.00	7,630.00	7,631.90	7,630.53	55.18	26.96	91.02	-4,500.79	2,073.42	3,883.65	3,801.53	82.13	47.289		
10,800.00	7,630.00	7,631.45	7,630.08	55.28	26.96	90.97	-4,500.79	2,073.42	3,784.43	3,702.16	82.27	46.002		
10,900.00	7,630.00	7,631.03	7,629.66	55.47	26.96	90.92	-4,500.79	2,073.42	3,685.25	3,602.83	82.42	44.714		
11,000.00	7,630.00	7,630.61	7,629.24	55.74	26.96	90.87	-4,500.79	2,073.43	3,586.11	3,503.54	82.58	43.427		
11,100.00	7,630.00	7,630.22	7,628.85	56.11	26.96	90.82	-4,500.79	2,073.43	3,487.03	3,404.28	82.75	42.140		
11,200.00	7,630.00	7,629.83	7,628.46	56.60	26.96	90.78	-4,500.79	2,073.43	3,388.00	3,305.07	82.93	40.854		
11,300.00	7,630.00	7,629.46	7,628.09	57.20	26.95	90.73	-4,500.79	2,073.43	3,289.02	3,205.90	83.12	39.568		
11,400.00	7,630.00	7,629.10	7,627.73	57.91	26.95	90.69	-4,500.79	2,073.43	3,190.12	3,106.78	83.33	38.282		
11,500.00	7,630.00	7,628.75	7,627.38	58.72	26.95	90.65	-4,500.80	2,073.43	3,091.28	3,007.72	83.55	36.997		
11,600.00	7,630.00	7,628.41	7,627.05	59.63	26.95	90.61	-4,500.80	2,073.43	2,992.51	2,908.72	83.79	35.713		
11,700.00	7,630.00	7,628.09	7,626.72	60.61	26.95	90.57	-4,500.80	2,073.44	2,893.84	2,809.79	84.05	34.430		
11,800.00	7,630.00	7,627.77	7,626.40	61.67	26.95	90.53	-4,500.80	2,073.44	2,795.26	2,710.93	84.33	33.148		
11,900.00	7,630.00	7,627.47	7,626.10	62.78	26.95	90.49	-4,500.80	2,073.44	2,696.78	2,612.15	84.63	31.867		
12,000.00	7,630.00	7,627.17	7,625.80	63.95	26.95	90.46	-4,500.80	2,073.44	2,598.41	2,513.46	84.95	30.587		
12,100.00	7,630.00	7,626.88	7,625.51	65.16	26.94	90.42	-4,500.80	2,073.44	2,500.18	2,414.88	85.30	29.309		
12,200.00	7,630.00	7,626.60	7,625.23	66.41	26.94	90.39	-4,500.80	2,073.44	2,402.10	2,316.41	85.69	28.033		
12,300.00	7,630.00	7,626.33	7,624.96	67.68	26.94	90.36	-4,500.80	2,073.44	2,304.17	2,218.07	86.11	26.759		
12,400.00	7,630.00	7,626.06	7,624.69	68.99	26.94	90.32	-4,500.80	2,073.44	2,206.44	2,119.87	86.57	25.488		
12,500.00	7,630.00	7,625.80	7,624.43	70.33	26.94	90.29	-4,500.80	2,073.44	2,108.91	2,021.84	87.07	24.220		
12,600.00	7,630.00	7,625.55	7,624.18	71.68	26.94	90.26	-4,500.80	2,073.44	2,011.63	1,924.00	87.63	22.955		
12,700.00	7,630.00	7,625.31	7,623.94	73.06	26.94	90.23	-4,500.80	2,073.44	1,914.63	1,826.38	88.25	21.695		
12,800.00	7,630.00	7,625.07	7,623.70	74.45	26.94	90.20	-4,500.80	2,073.45	1,817.96	1,729.02	88.94	20.439		
12,900.00	7,630.00	7,624.84	7,623.47	75.87	26.94	90.18	-4,500.80	2,073.45	1,721.66	1,631.95	89.72	19.190		
13,000.00	7,630.00	7,624.62	7,623.25	77.29	26.94	90.15	-4,500.80	2,073.45	1,625.82	1,535.23	90.59	17.947		
13,100.00	7,630.00	7,624.40	7,623.03	78.74	26.94	90.12	-4,500.80	2,073.45	1,530.50	1,438.93	91.57	16.713		
13,200.00	7,630.00	7,624.18	7,622.81	80.19	26.94	90.10	-4,500.81	2,073.45	1,435.82	1,343.13	92.69	15.490		
13,300.00	7,630.00	7,623.98	7,622.61	81.66	26.93	90.07	-4,500.81	2,073.45	1,341.92	1,247.94	93.98	14.279		
13,400.00	7,630.00	7,623.77	7,622.40	83.14	26.93	90.05	-4,500.81	2,073.45	1,248.96	1,153.50	95.45	13.085		
13,500.00	7,630.00	7,623.57	7,622.21	84.63	26.93	90.02	-4,500.81	2,073.45	1,157.17	1,060.01	97.16	11.910		
13,600.00	7,630.00	7,623.38	7,622.01	86.14	26.93	90.00	-4,500.81	2,073.45	1,066.86	967.71	99.15	10.760		
13,700.00	7,630.00	7,623.19	7,621.82	87.65	26.93	89.98	-4,500.81	2,073.45	978.44	876.98	101.46	9.643		
13,800.00	7,630.00	7,623.01	7,621.64	89.17	26.93	89.96	-4,500.81	2,073.45	892.47	788.30	104.17	8.567		
13,900.00	7,630.00	7,622.83	7,621.46	90.70	26.93	89.94	-4,500.81	2,073.45	809.72	702.40	107.32	7.545		
14,000.00	7,630.00	7,622.65	7,621.28	92.24	26.93	89.91	-4,500.81	2,073.45	731.30	620.38	110.92	6.593		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
14,100.00	7,630.00	7,622.48	7,621.11	93.78	26.93	89.89	-4,500.81	2,073.45	658.75	543.82	114.93	5.732		
14,200.00	7,630.00	7,622.31	7,620.94	95.33	26.93	89.87	-4,500.81	2,073.46	594.22	475.13	119.10	4.989		
14,300.00	7,630.00	7,622.15	7,620.78	96.89	26.93	89.85	-4,500.81	2,073.46	540.60	417.73	122.87	4.400		
14,400.00	7,630.00	7,621.99	7,620.62	98.46	26.93	89.83	-4,500.81	2,073.46	501.40	376.10	125.30	4.002		
14,500.00	7,630.00	7,621.83	7,620.46	100.03	26.93	89.82	-4,500.81	2,073.46	480.16	354.94	125.22	3.835 SF		
14,554.25	7,630.00	7,621.75	7,620.38	100.89	26.93	89.81	-4,500.81	2,073.46	477.09	353.25	123.84	3.852 CC, ES		
14,600.00	7,630.00	7,621.68	7,620.31	101.61	26.93	89.80	-4,500.81	2,073.46	479.28	357.33	121.95	3.930		
14,700.00	7,630.00	7,621.53	7,620.16	103.20	26.93	89.78	-4,500.81	2,073.46	498.85	382.89	115.97	4.302		
14,800.00	7,630.00	7,621.38	7,620.01	104.78	26.93	89.76	-4,500.81	2,073.46	536.66	428.00	108.66	4.939		
14,900.00	7,630.00	7,621.23	7,619.87	106.38	26.92	89.74	-4,500.81	2,073.46	589.20	487.76	101.45	5.808		
15,000.00	7,630.00	7,621.09	7,619.72	107.98	26.92	89.73	-4,500.81	2,073.46	652.92	557.77	95.15	6.862		
15,100.00	7,630.00	7,620.96	7,619.59	109.58	26.92	89.71	-4,500.81	2,073.46	724.89	634.84	90.04	8.050		
15,200.00	7,630.00	7,620.82	7,619.45	111.19	26.92	89.69	-4,500.81	2,073.46	802.88	716.80	86.08	9.328		
15,300.00	7,630.00	7,620.69	7,619.32	112.81	26.92	89.68	-4,500.81	2,073.46	885.30	802.23	83.07	10.657		
15,400.00	7,630.00	7,620.56	7,619.19	114.42	26.92	89.66	-4,500.81	2,073.46	971.04	890.21	80.82	12.015		
15,500.00	7,630.00	7,620.43	7,619.06	116.05	26.92	89.65	-4,500.81	2,073.46	1,059.27	980.12	79.16	13.382		
15,600.00	7,630.00	7,620.30	7,618.93	117.67	26.92	89.63	-4,500.81	2,073.46	1,149.44	1,071.51	77.93	14.750		
15,700.00	7,630.00	7,620.18	7,618.81	119.30	26.92	89.62	-4,500.81	2,073.46	1,241.11	1,164.09	77.02	16.113		
15,800.00	7,630.00	7,620.06	7,618.69	120.93	26.92	89.60	-4,500.81	2,073.46	1,333.98	1,257.62	76.37	17.468		
15,900.00	7,630.00	7,619.94	7,618.57	122.57	26.92	89.59	-4,500.81	2,073.46	1,427.82	1,351.93	75.89	18.814		
16,000.00	7,630.00	7,619.83	7,618.46	124.21	26.92	89.57	-4,500.81	2,073.46	1,522.44	1,446.89	75.55	20.151		
16,100.00	7,630.00	7,619.71	7,618.34	125.85	26.92	89.56	-4,500.81	2,073.46	1,617.70	1,542.39	75.32	21.479		
16,200.00	7,630.00	7,619.60	7,618.23	127.50	26.92	89.55	-4,500.81	2,073.46	1,713.51	1,638.35	75.16	22.799		
16,300.00	7,630.00	7,619.49	7,618.12	129.15	26.92	89.53	-4,500.81	2,073.46	1,809.77	1,734.71	75.06	24.112		
16,400.00	7,630.00	7,619.38	7,618.01	130.80	26.92	89.52	-4,500.81	2,073.47	1,906.41	1,831.41	75.00	25.418		
16,500.00	7,630.00	7,619.28	7,617.91	132.46	26.92	89.51	-4,500.81	2,073.47	2,003.39	1,928.41	74.98	26.718		
16,600.00	7,630.00	7,619.17	7,617.80	134.11	26.92	89.50	-4,500.81	2,073.47	2,100.65	2,025.66	74.99	28.012		
16,700.00	7,630.00	7,619.07	7,617.70	135.77	26.92	89.48	-4,500.81	2,073.47	2,198.15	2,123.13	75.02	29.302		
16,800.00	7,630.00	7,618.97	7,617.60	137.43	26.92	89.47	-4,500.81	2,073.47	2,295.87	2,220.81	75.06	30.587		
16,900.00	7,630.00	7,618.87	7,617.50	139.10	26.92	89.46	-4,500.81	2,073.47	2,393.78	2,318.66	75.12	31.868		
17,000.00	7,630.00	7,618.78	7,617.41	140.77	26.92	89.45	-4,500.81	2,073.47	2,491.85	2,416.67	75.18	33.145		
17,100.00	7,630.00	7,618.68	7,617.31	142.44	26.92	89.44	-4,500.81	2,073.47	2,590.07	2,514.82	75.25	34.418		
17,200.00	7,630.00	7,618.59	7,617.22	144.11	26.92	89.43	-4,500.81	2,073.47	2,688.42	2,613.09	75.33	35.688		
17,300.00	7,630.00	7,618.49	7,617.12	145.78	26.91	89.41	-4,500.81	2,073.47	2,786.89	2,711.48	75.41	36.956		
17,400.00	7,630.00	7,618.40	7,617.03	147.46	26.91	89.40	-4,500.81	2,073.47	2,885.47	2,809.97	75.50	38.220		
17,500.00	7,630.00	7,618.31	7,616.94	149.13	26.91	89.39	-4,500.81	2,073.47	2,984.14	2,908.55	75.58	39.481		
17,600.00	7,630.00	7,618.23	7,616.86	150.81	26.91	89.38	-4,500.81	2,073.47	3,082.89	3,007.22	75.67	40.740		
17,700.00	7,630.00	7,618.14	7,616.77	152.49	26.91	89.37	-4,500.81	2,073.47	3,181.72	3,105.96	75.76	41.997		
17,800.00	7,630.00	7,618.06	7,616.69	154.18	26.91	89.36	-4,500.81	2,073.47	3,280.63	3,204.78	75.85	43.251		
17,900.00	7,630.00	7,617.97	7,616.60	155.86	26.91	89.35	-4,500.81	2,073.47	3,379.60	3,303.65	75.94	44.502		
18,000.00	7,630.00	7,617.89	7,616.52	157.55	26.91	89.34	-4,500.81	2,073.47	3,478.62	3,402.59	76.03	45.752		
18,100.00	7,630.00	7,617.81	7,616.44	159.24	26.91	89.33	-4,500.81	2,073.47	3,577.70	3,501.58	76.12	46.999		
18,200.00	7,630.00	7,617.73	7,616.36	160.92	26.91	89.32	-4,500.81	2,073.47	3,676.84	3,600.62	76.21	48.244		
18,300.00	7,630.00	7,617.65	7,616.28	162.62	26.91	89.31	-4,500.81	2,073.47	3,776.01	3,699.71	76.30	49.486		
18,400.00	7,630.00	7,617.57	7,616.20	164.31	26.91	89.30	-4,500.82	2,073.47	3,875.23	3,798.84	76.39	50.727		
18,458.39	7,630.00	7,617.53	7,616.16	165.30	26.91	89.30	-4,500.82	2,073.47	3,933.19	3,856.74	76.45	51.450		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	16.00	16.00	0.00	0.12	163.25	-7,180.39	2,161.69	7,498.73					
100.00	100.00	116.00	116.00	0.13	1.06	163.25	-7,180.39	2,161.69	7,498.73	7,497.54	1.19	6,299.587		
200.00	200.00	216.00	216.00	0.49	2.80	163.25	-7,180.39	2,161.69	7,498.73	7,495.43	3.29	2,276.375		
300.00	300.00	316.00	316.00	0.85	4.55	163.25	-7,180.39	2,161.69	7,498.73	7,493.33	5.40	1,389.179		
400.00	400.00	416.00	416.00	1.21	6.29	163.25	-7,180.39	2,161.69	7,498.73	7,491.22	7.50	999.596		
500.00	500.00	516.00	516.00	1.57	8.04	163.25	-7,180.39	2,161.69	7,498.73	7,489.12	9.61	780.666		
600.00	600.00	616.00	616.00	1.93	9.78	163.25	-7,180.39	2,161.69	7,498.73	7,487.02	11.71	640.405		
700.00	700.00	716.00	716.00	2.29	11.53	163.25	-7,180.39	2,161.69	7,498.73	7,484.91	13.81	542.868		
800.00	800.00	816.00	816.00	2.64	13.27	163.25	-7,180.39	2,161.69	7,498.73	7,482.81	15.92	471.116		
900.00	900.00	916.00	916.00	3.00	15.02	163.25	-7,180.39	2,161.69	7,498.73	7,480.71	18.02	416.116		
1,000.00	1,000.00	1,016.00	1,016.00	3.36	16.76	163.25	-7,180.39	2,161.69	7,498.73	7,478.60	20.12	372.616		
1,100.00	1,100.00	1,116.00	1,116.00	3.72	18.51	163.25	-7,180.39	2,161.69	7,498.73	7,476.50	22.23	337.349		
1,200.00	1,199.98	1,215.98	1,215.98	4.07	20.25	112.18	-7,180.39	2,161.69	7,499.39	7,475.06	24.33	308.251		
1,300.00	1,299.84	1,315.84	1,315.84	4.43	22.00	112.18	-7,180.39	2,161.69	7,501.36	7,474.94	26.43	283.862		
1,400.00	1,399.45	1,415.45	1,415.45	4.79	23.74	112.18	-7,180.39	2,161.69	7,504.66	7,476.14	28.52	263.105		
1,500.00	1,498.70	1,514.70	1,514.70	5.15	25.47	112.18	-7,180.39	2,161.69	7,509.29	7,478.67	30.62	245.229		
1,600.00	1,597.47	1,613.47	1,613.47	5.53	27.19	112.18	-7,180.39	2,161.69	7,515.26	7,482.54	32.72	229.668		
1,700.00	1,695.62	1,711.62	1,711.62	5.93	28.90	112.17	-7,180.39	2,161.69	7,522.58	7,487.75	34.83	215.993		
1,800.00	1,793.06	1,809.06	1,809.06	6.35	30.61	112.17	-7,180.39	2,161.69	7,531.26	7,494.32	36.94	203.876		
1,900.00	1,889.64	1,905.64	1,905.64	6.79	32.29	112.16	-7,180.39	2,161.69	7,541.32	7,502.25	39.06	193.056		
2,000.00	1,985.27	2,001.27	2,001.27	7.27	33.96	112.14	-7,180.39	2,161.69	7,552.77	7,511.57	41.20	183.331		
2,100.00	2,079.82	2,104.18	2,095.82	7.79	35.76	112.12	-7,180.39	2,161.69	7,565.63	7,522.14	43.49	173.952		
2,200.00	2,173.17	2,189.17	2,189.17	8.36	37.24	112.09	-7,180.39	2,161.69	7,579.93	7,534.42	45.51	166.546		
2,300.00	2,265.21	2,281.21	2,281.21	8.97	38.85	112.05	-7,180.39	2,161.69	7,595.68	7,547.98	47.70	159.251		
2,400.00	2,355.84	2,371.84	2,371.84	9.64	40.43	111.99	-7,180.39	2,161.69	7,612.90	7,563.00	49.90	152.565		
2,500.00	2,444.94	2,460.94	2,460.94	10.36	41.98	111.93	-7,180.39	2,161.69	7,631.62	7,579.50	52.12	146.418		
2,591.69	2,525.19	2,541.19	2,541.19	11.07	43.38	111.85	-7,180.39	2,161.69	7,650.12	7,595.95	54.18	141.204		
2,600.00	2,532.40	2,548.40	2,548.40	11.14	43.51	111.88	-7,180.39	2,161.69	7,651.86	7,597.49	54.37	140.749		
2,700.00	2,619.15	2,635.15	2,635.15	11.96	45.02	112.18	-7,180.39	2,161.69	7,672.89	7,616.26	56.63	135.499		
2,800.00	2,705.89	2,721.89	2,721.89	12.81	46.54	112.49	-7,180.39	2,161.69	7,694.18	7,635.28	58.91	130.618		
2,900.00	2,792.64	2,808.64	2,808.64	13.67	48.05	112.79	-7,180.39	2,161.69	7,715.74	7,654.54	61.20	126.077		
3,000.00	2,879.39	2,904.61	2,895.39	14.55	49.73	113.09	-7,180.39	2,161.69	7,737.56	7,673.90	63.66	121.541		
3,100.00	2,966.14	2,982.14	2,982.14	15.44	51.08	113.39	-7,180.39	2,161.69	7,759.63	7,693.82	65.81	117.906		
3,200.00	3,052.88	3,068.88	3,068.88	16.34	52.59	113.69	-7,180.39	2,161.69	7,781.96	7,713.83	68.13	114.224		
3,300.00	3,139.63	3,155.63	3,155.63	17.25	54.11	113.99	-7,180.39	2,161.69	7,804.55	7,734.10	70.45	110.781		
3,400.00	3,226.38	3,242.38	3,242.38	18.17	55.62	114.29	-7,180.39	2,161.69	7,827.38	7,754.61	72.77	107.556		
3,500.00	3,313.12	3,329.12	3,329.12	19.09	57.14	114.58	-7,180.39	2,161.69	7,850.46	7,775.36	75.10	104.531		
3,600.00	3,399.87	3,415.87	3,415.87	20.02	58.65	114.88	-7,180.39	2,161.69	7,873.79	7,796.36	77.43	101.689		
3,700.00	3,486.62	3,502.62	3,502.62	20.96	60.16	115.17	-7,180.39	2,161.69	7,897.37	7,817.61	79.76	99.016		
3,800.00	3,573.37	3,589.37	3,589.37	21.90	61.68	115.46	-7,180.39	2,161.69	7,921.18	7,839.10	82.09	96.497		
3,900.00	3,660.11	3,676.11	3,676.11	22.84	63.19	115.75	-7,180.39	2,161.69	7,945.24	7,860.83	84.42	94.120		
4,000.00	3,746.86	3,762.86	3,762.86	23.78	64.71	116.04	-7,180.39	2,161.69	7,969.54	7,882.79	86.74	91.875		
4,100.00	3,833.61	3,849.61	3,849.61	24.73	66.22	116.32	-7,180.39	2,161.69	7,994.07	7,905.00	89.07	89.751		
4,200.00	3,920.35	3,936.35	3,936.35	25.68	67.73	116.61	-7,180.39	2,161.69	8,018.83	7,927.44	91.39	87.739		
4,300.00	4,007.10	4,023.10	4,023.10	26.63	69.25	116.89	-7,180.39	2,161.69	8,043.83	7,950.11	93.72	85.831		
4,400.00	4,093.85	4,109.85	4,109.85	27.59	70.76	117.18	-7,180.39	2,161.69	8,069.05	7,973.01	96.04	84.020		
4,500.00	4,180.60	4,203.40	4,196.60	28.55	72.39	117.46	-7,180.39	2,161.69	8,094.50	7,996.03	98.47	82.199		
4,600.00	4,267.34	4,283.34	4,283.34	29.50	73.79	117.74	-7,180.39	2,161.69	8,120.18	8,019.51	100.67	80.660		
4,700.00	4,354.09	4,370.09	4,370.09	30.46	75.30	118.02	-7,180.39	2,161.69	8,146.08	8,043.09	102.99	79.099		
4,800.00	4,440.84	4,456.84	4,456.84	31.42	76.82	118.29	-7,180.39	2,161.69	8,172.20	8,066.90	105.30	77.612		
4,900.00	4,527.58	4,543.58	4,543.58	32.39	78.33	118.57	-7,180.39	2,161.69	8,198.54	8,090.94	107.60	76.192		
5,000.00	4,614.33	4,630.33	4,630.33	33.35	79.85	118.84	-7,180.39	2,161.69	8,225.10	8,115.19	109.91	74.836		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
5,100.00	4,701.08	4,717.08	4,717.08	34.31	81.36	119.11	-7,180.39	2,161.69	8,251.87	8,139.66	112.21	73.539		
5,200.00	4,787.82	4,803.82	4,803.82	35.28	82.87	119.39	-7,180.39	2,161.69	8,278.85	8,164.34	114.51	72.299		
5,300.00	4,874.57	4,909.43	4,890.57	36.25	84.72	119.66	-7,180.39	2,161.69	8,306.04	8,188.91	117.13	70.911		
5,400.00	4,961.32	4,977.32	4,977.32	37.21	85.90	119.92	-7,180.39	2,161.69	8,333.44	8,214.35	119.10	69.972		
5,500.00	5,048.07	5,064.07	5,064.07	38.18	87.42	120.19	-7,180.39	2,161.69	8,361.05	8,239.66	121.39	68.880		
5,600.00	5,134.81	5,150.81	5,150.81	39.15	88.93	120.46	-7,180.39	2,161.69	8,388.86	8,265.19	123.67	67.832		
5,700.00	5,221.56	5,237.56	5,237.56	40.12	90.44	120.72	-7,180.39	2,161.69	8,416.87	8,290.92	125.95	66.825		
5,800.00	5,308.31	5,324.31	5,324.31	41.09	91.96	120.98	-7,180.39	2,161.69	8,445.09	8,316.86	128.23	65.858		
5,900.00	5,395.05	5,411.05	5,411.05	42.06	93.47	121.24	-7,180.39	2,161.69	8,473.50	8,342.99	130.51	64.927		
6,000.00	5,481.80	5,502.20	5,497.80	43.03	95.06	121.50	-7,180.39	2,161.69	8,502.11	8,369.25	132.86	63.994		
6,100.00	5,568.55	5,584.55	5,584.55	44.00	96.50	121.76	-7,180.39	2,161.69	8,530.91	8,395.86	135.05	63.169		
6,200.00	5,655.30	5,671.30	5,671.30	44.97	98.01	122.02	-7,180.39	2,161.69	8,559.91	8,422.59	137.31	62.338		
6,300.00	5,742.04	5,758.04	5,758.04	45.94	99.53	122.27	-7,180.39	2,161.69	8,589.09	8,449.52	139.58	61.537		
6,400.00	5,828.79	5,844.79	5,844.79	46.92	101.04	122.53	-7,180.39	2,161.69	8,618.46	8,476.63	141.83	60.764		
6,500.00	5,915.54	5,931.54	5,931.54	47.89	102.56	122.78	-7,180.39	2,161.69	8,648.02	8,503.94	144.09	60.019		
6,600.00	6,002.28	6,018.28	6,018.28	48.86	104.07	123.03	-7,180.39	2,161.69	8,677.77	8,531.43	146.34	59.299		
6,700.00	6,089.03	6,105.03	6,105.03	49.83	105.58	123.28	-7,180.39	2,161.69	8,707.69	8,559.11	148.59	58.603		
6,800.00	6,175.78	6,208.22	6,191.78	50.81	107.39	123.53	-7,180.39	2,161.69	8,737.80	8,586.68	151.12	57.821		
6,900.00	6,262.53	6,278.53	6,278.53	51.78	108.61	123.77	-7,180.39	2,161.69	8,768.09	8,615.02	153.07	57.280		
7,000.00	6,349.27	6,365.27	6,365.27	52.76	110.13	124.02	-7,180.39	2,161.69	8,798.55	8,643.24	155.31	56.651		
7,100.00	6,436.02	6,452.02	6,452.02	53.73	111.64	124.26	-7,180.39	2,161.69	8,829.19	8,671.65	157.54	56.043		
7,200.00	6,522.77	6,538.77	6,538.77	54.71	113.15	124.51	-7,180.39	2,161.69	8,860.00	8,700.23	159.77	55.453		
7,300.00	6,609.51	6,625.51	6,625.51	55.68	114.67	124.75	-7,180.39	2,161.69	8,890.99	8,728.98	162.00	54.882		
7,400.00	6,696.26	6,712.26	6,712.26	56.66	116.18	124.99	-7,180.39	2,161.69	8,922.14	8,757.91	164.23	54.329		
7,500.00	6,783.01	6,800.99	6,799.01	57.63	117.73	125.23	-7,180.39	2,161.69	8,953.46	8,786.98	166.48	53.781		
7,600.00	6,869.76	6,885.76	6,885.76	58.61	119.21	125.46	-7,180.39	2,161.69	8,984.95	8,816.29	168.66	53.272		
7,683.49	6,942.18	6,958.18	6,958.18	59.42	120.47	125.66	-7,180.39	2,161.69	9,011.36	8,840.85	170.51	52.849		
7,700.00	6,956.57	6,972.57	6,972.57	59.58	120.73	125.26	-7,180.39	2,161.69	9,016.37	8,845.50	170.88	52.765		
7,750.00	7,000.85	7,016.85	7,016.85	60.04	121.50	115.00	-7,180.39	2,161.69	9,028.79	8,856.78	172.00	52.492		
7,800.00	7,045.94	7,061.94	7,061.94	60.46	122.29	105.28	-7,180.39	2,161.69	9,036.97	8,863.83	173.14	52.195		
7,850.00	7,091.49	7,107.49	7,107.49	60.84	123.08	94.50	-7,180.39	2,161.69	9,040.88	8,866.60	174.28	51.875		
7,900.00	7,137.15	7,153.15	7,153.15	61.17	123.88	83.44	-7,180.39	2,161.69	9,040.47	8,865.05	175.41	51.538		
7,950.00	7,182.58	7,201.42	7,198.58	61.44	124.72	72.97	-7,180.39	2,161.69	9,035.75	8,859.17	176.58	51.171		
8,000.00	7,227.43	7,243.43	7,243.43	61.67	125.45	63.76	-7,180.39	2,161.69	9,026.76	8,849.15	177.61	50.822		
8,050.00	7,271.36	7,287.36	7,287.36	61.84	126.22	56.05	-7,180.39	2,161.69	9,013.57	8,834.90	178.66	50.450		
8,100.00	7,314.04	7,330.04	7,330.04	61.96	126.96	49.81	-7,180.39	2,161.69	8,996.26	8,816.59	179.67	50.071		
8,150.00	7,355.14	7,371.14	7,371.14	62.04	127.68	44.83	-7,180.39	2,161.69	8,974.98	8,794.35	180.62	49.688		
8,200.00	7,394.34	7,410.34	7,410.34	62.07	128.37	40.89	-7,180.39	2,161.69	8,949.87	8,768.35	181.53	49.304		
8,250.00	7,431.36	7,447.36	7,447.36	62.06	129.01	37.80	-7,180.39	2,161.69	8,921.13	8,738.76	182.37	48.919		
8,300.00	7,465.90	7,481.90	7,481.90	62.01	129.62	35.40	-7,180.39	2,161.69	8,888.97	8,705.83	183.14	48.536		
8,350.00	7,497.71	7,513.71	7,513.71	61.93	130.17	33.58	-7,180.39	2,161.69	8,853.62	8,669.77	183.85	48.157		
8,400.00	7,526.53	7,542.53	7,542.53	61.81	130.67	32.26	-7,180.39	2,161.69	8,815.36	8,630.88	184.48	47.784		
8,450.00	7,552.17	7,568.17	7,568.17	61.66	131.12	31.42	-7,180.39	2,161.69	8,774.46	8,589.42	185.04	47.418		
8,500.00	7,574.41	7,609.59	7,590.41	61.48	131.84	31.05	-7,180.39	2,161.69	8,731.24	8,545.38	185.86	46.977		
8,550.00	7,593.09	7,609.09	7,609.09	61.29	131.83	31.26	-7,180.39	2,161.69	8,686.01	8,500.08	185.93	46.716		
8,600.00	7,608.07	7,624.07	7,624.07	61.07	132.10	32.27	-7,180.39	2,161.69	8,639.11	8,452.86	186.25	46.384		
8,650.00	7,619.23	7,635.23	7,635.23	60.84	132.29	34.75	-7,180.39	2,161.69	8,590.91	8,404.41	186.50	46.065		
8,700.00	7,626.48	7,642.48	7,642.48	60.60	132.42	40.99	-7,180.39	2,161.69	8,541.75	8,355.09	186.66	45.762		
8,750.00	7,629.78	7,645.78	7,645.78	60.35	132.48	65.09	-7,180.39	2,161.69	8,492.01	8,305.27	186.74	45.475		
8,766.45	7,630.00	7,646.00	7,646.00	60.27	132.48	90.00	-7,180.39	2,161.69	8,475.58	8,288.84	186.75	45.385		
8,800.00	7,630.00	7,646.00	7,646.00	60.10	132.48	90.00	-7,180.39	2,161.69	8,442.06	8,255.31	186.76	45.203		
8,900.00	7,630.00	7,646.00	7,646.00	59.61	132.48	90.00	-7,180.39	2,161.69	8,342.17	8,155.38	186.79	44.661		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
9,000.00	7,630.00	7,646.00	7,646.00	59.15	132.48	90.00	-7,180.39	2,161.69	8,242.27	8,055.45	186.82	44.118		
9,100.00	7,630.00	7,646.00	7,646.00	58.71	132.48	90.00	-7,180.39	2,161.69	8,142.38	7,955.52	186.86	43.575		
9,200.00	7,630.00	7,646.00	7,646.00	58.30	132.48	90.00	-7,180.39	2,161.69	8,042.49	7,855.59	186.89	43.032		
9,300.00	7,630.00	7,646.00	7,646.00	57.91	132.48	90.00	-7,180.39	2,161.69	7,942.60	7,755.67	186.93	42.489		
9,400.00	7,630.00	7,646.00	7,646.00	57.54	132.48	90.00	-7,180.39	2,161.69	7,842.72	7,655.75	186.97	41.946		
9,500.00	7,630.00	7,646.00	7,646.00	57.19	132.48	90.00	-7,180.39	2,161.69	7,742.84	7,555.82	187.01	41.403		
9,600.00	7,630.00	7,646.00	7,646.00	56.87	132.48	90.00	-7,180.39	2,161.69	7,642.96	7,455.90	187.06	40.859		
9,700.00	7,630.00	7,646.00	7,646.00	56.57	132.48	90.00	-7,180.39	2,161.69	7,543.08	7,355.98	187.10	40.316		
9,800.00	7,630.00	7,646.00	7,646.00	56.30	132.48	90.00	-7,180.39	2,161.69	7,443.21	7,256.07	187.15	39.772		
9,900.00	7,630.00	7,646.00	7,646.00	56.05	132.48	90.00	-7,180.39	2,161.69	7,343.35	7,156.15	187.20	39.228		
10,000.00	7,630.00	7,646.00	7,646.00	55.82	132.48	90.00	-7,180.39	2,161.69	7,243.48	7,056.24	187.25	38.684		
10,100.00	7,630.00	7,646.00	7,646.00	55.63	132.48	90.00	-7,180.39	2,161.69	7,143.62	6,956.32	187.30	38.140		
10,200.00	7,630.00	7,646.00	7,646.00	55.46	132.48	90.00	-7,180.39	2,161.69	7,043.76	6,856.41	187.35	37.596		
10,300.00	7,630.00	7,646.00	7,646.00	55.32	132.48	90.00	-7,180.39	2,161.69	6,943.91	6,756.50	187.41	37.052		
10,400.00	7,630.00	7,646.00	7,646.00	55.22	132.48	90.00	-7,180.39	2,161.69	6,844.06	6,656.60	187.47	36.508		
10,500.00	7,630.00	7,646.00	7,646.00	55.15	132.48	90.00	-7,180.39	2,161.69	6,744.22	6,556.69	187.53	35.964		
10,600.00	7,630.00	7,646.00	7,646.00	55.14	132.48	90.00	-7,180.39	2,161.69	6,644.38	6,456.79	187.59	35.419		
10,700.00	7,630.00	7,646.00	7,646.00	55.18	132.48	90.00	-7,180.39	2,161.69	6,544.55	6,356.89	187.66	34.875		
10,800.00	7,630.00	7,646.00	7,646.00	55.28	132.48	90.00	-7,180.39	2,161.69	6,444.72	6,256.99	187.73	34.330		
10,900.00	7,630.00	7,646.00	7,646.00	55.47	132.48	90.00	-7,180.39	2,161.69	6,344.89	6,157.10	187.80	33.786		
11,000.00	7,630.00	7,646.00	7,646.00	55.74	132.48	90.00	-7,180.39	2,161.69	6,245.08	6,057.21	187.87	33.241		
11,100.00	7,630.00	7,646.00	7,646.00	56.11	132.48	90.00	-7,180.39	2,161.69	6,145.26	5,957.32	187.95	32.697		
11,200.00	7,630.00	7,646.00	7,646.00	56.60	132.48	90.00	-7,180.39	2,161.69	6,045.46	5,857.43	188.03	32.152		
11,300.00	7,630.00	7,646.00	7,646.00	57.20	132.48	90.00	-7,180.39	2,161.69	5,945.66	5,757.55	188.11	31.607		
11,400.00	7,630.00	7,646.00	7,646.00	57.91	132.48	90.00	-7,180.39	2,161.69	5,845.87	5,657.67	188.20	31.062		
11,500.00	7,630.00	7,646.00	7,646.00	58.72	132.48	90.00	-7,180.39	2,161.69	5,746.08	5,557.80	188.29	30.518		
11,600.00	7,630.00	7,646.00	7,646.00	59.63	132.48	90.00	-7,180.39	2,161.69	5,646.31	5,457.92	188.38	29.973		
11,700.00	7,630.00	7,646.00	7,646.00	60.61	132.48	90.00	-7,180.39	2,161.69	5,546.54	5,358.06	188.48	29.428		
11,800.00	7,630.00	7,646.00	7,646.00	61.67	132.48	90.00	-7,180.39	2,161.69	5,446.78	5,258.20	188.58	28.883		
11,900.00	7,630.00	7,646.00	7,646.00	62.78	132.48	90.00	-7,180.39	2,161.69	5,347.02	5,158.34	188.69	28.338		
12,000.00	7,630.00	7,646.00	7,646.00	63.95	132.48	90.00	-7,180.39	2,161.69	5,247.28	5,058.49	188.80	27.793		
12,100.00	7,630.00	7,646.00	7,646.00	65.16	132.48	90.00	-7,180.39	2,161.69	5,147.55	4,958.64	188.91	27.249		
12,200.00	7,630.00	7,646.00	7,646.00	66.41	132.48	90.00	-7,180.39	2,161.69	5,047.83	4,858.80	189.03	26.704		
12,300.00	7,630.00	7,646.00	7,646.00	67.68	132.48	90.00	-7,180.39	2,161.69	4,948.12	4,758.96	189.15	26.159		
12,400.00	7,630.00	7,646.00	7,646.00	68.99	132.48	90.00	-7,180.39	2,161.69	4,848.42	4,659.13	189.29	25.614		
12,500.00	7,630.00	7,646.00	7,646.00	70.33	132.48	90.00	-7,180.39	2,161.69	4,748.73	4,559.31	189.42	25.070		
12,600.00	7,630.00	7,646.00	7,646.00	71.68	132.48	90.00	-7,180.39	2,161.69	4,649.06	4,459.49	189.57	24.525		
12,700.00	7,630.00	7,646.00	7,646.00	73.06	132.48	90.00	-7,180.39	2,161.69	4,549.40	4,359.68	189.71	23.980		
12,800.00	7,630.00	7,646.00	7,646.00	74.45	132.48	90.00	-7,180.39	2,161.69	4,449.76	4,259.88	189.87	23.436		
12,900.00	7,630.00	7,646.00	7,646.00	75.87	132.48	90.00	-7,180.39	2,161.69	4,350.13	4,160.09	190.04	22.891		
13,000.00	7,630.00	7,646.00	7,646.00	77.29	132.48	90.00	-7,180.39	2,161.69	4,250.52	4,060.31	190.21	22.347		
13,100.00	7,630.00	7,646.00	7,646.00	78.74	132.48	90.00	-7,180.39	2,161.69	4,150.93	3,960.54	190.39	21.802		
13,200.00	7,630.00	7,646.00	7,646.00	80.19	132.48	90.00	-7,180.39	2,161.69	4,051.36	3,860.78	190.58	21.258		
13,300.00	7,630.00	7,646.00	7,646.00	81.66	132.48	90.00	-7,180.39	2,161.69	3,951.81	3,761.03	190.78	20.714		
13,400.00	7,630.00	7,646.00	7,646.00	83.14	132.48	90.00	-7,180.39	2,161.69	3,852.29	3,661.29	190.99	20.170		
13,500.00	7,630.00	7,646.00	7,646.00	84.63	132.48	90.00	-7,180.39	2,161.69	3,752.79	3,561.57	191.22	19.626		
13,600.00	7,630.00	7,646.00	7,646.00	86.14	132.48	90.00	-7,180.39	2,161.69	3,653.31	3,461.86	191.46	19.082		
13,700.00	7,630.00	7,646.00	7,646.00	87.65	132.48	90.00	-7,180.39	2,161.69	3,553.87	3,362.17	191.71	18.538		
13,800.00	7,630.00	7,646.00	7,646.00	89.17	132.48	90.00	-7,180.39	2,161.69	3,454.46	3,262.49	191.97	17.995		
13,900.00	7,630.00	7,646.00	7,646.00	90.70	132.48	90.00	-7,180.39	2,161.69	3,355.09	3,162.83	192.26	17.451		
14,000.00	7,630.00	7,646.00	7,646.00	92.24	132.48	90.00	-7,180.39	2,161.69	3,255.75	3,063.19	192.56	16.908		
14,100.00	7,630.00	7,646.00	7,646.00	93.78	132.48	90.00	-7,180.39	2,161.69	3,156.45	2,963.57	192.88	16.365		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
14,200.00	7,630.00	7,646.00	7,646.00	95.33	132.48	90.00	-7,180.39	2,161.69	3,057.20	2,863.98	193.22	15.822		
14,300.00	7,630.00	7,646.00	7,646.00	96.89	132.48	90.00	-7,180.39	2,161.69	2,958.00	2,764.41	193.59	15.280		
14,400.00	7,630.00	7,646.00	7,646.00	98.46	132.48	90.00	-7,180.39	2,161.69	2,858.86	2,664.88	193.98	14.738		
14,500.00	7,630.00	7,646.00	7,646.00	100.03	132.48	90.00	-7,180.39	2,161.69	2,759.78	2,565.37	194.41	14.196		
14,600.00	7,630.00	7,646.00	7,646.00	101.61	132.48	90.00	-7,180.39	2,161.69	2,660.77	2,465.90	194.87	13.654		
14,700.00	7,630.00	7,646.00	7,646.00	103.20	132.48	90.00	-7,180.39	2,161.69	2,561.83	2,366.47	195.36	13.113		
14,800.00	7,630.00	7,646.00	7,646.00	104.78	132.48	90.00	-7,180.39	2,161.69	2,462.98	2,267.08	195.90	12.572		
14,900.00	7,630.00	7,646.00	7,646.00	106.38	132.48	90.00	-7,180.39	2,161.69	2,364.23	2,167.74	196.49	12.032		
15,000.00	7,630.00	7,646.00	7,646.00	107.98	132.48	90.00	-7,180.39	2,161.69	2,265.58	2,068.45	197.13	11.493		
15,100.00	7,630.00	7,646.00	7,646.00	109.58	132.48	90.00	-7,180.39	2,161.69	2,167.06	1,969.23	197.84	10.954		
15,200.00	7,630.00	7,646.00	7,646.00	111.19	132.48	90.00	-7,180.39	2,161.69	2,068.69	1,870.07	198.61	10.416		
15,300.00	7,630.00	7,646.00	7,646.00	112.81	132.48	90.00	-7,180.39	2,161.69	1,970.47	1,771.00	199.47	9.879		
15,400.00	7,630.00	7,646.00	7,646.00	114.42	132.48	90.00	-7,180.39	2,161.69	1,872.45	1,672.02	200.42	9.342		
15,500.00	7,630.00	7,646.00	7,646.00	116.05	132.48	90.00	-7,180.39	2,161.69	1,774.64	1,573.15	201.49	8.808		
15,600.00	7,630.00	7,646.00	7,646.00	117.67	132.48	90.00	-7,180.39	2,161.69	1,677.10	1,474.40	202.69	8.274		
15,700.00	7,630.00	7,646.00	7,646.00	119.30	132.48	90.00	-7,180.39	2,161.69	1,579.86	1,375.81	204.05	7.743		
15,800.00	7,630.00	7,646.00	7,646.00	120.93	132.48	90.00	-7,180.39	2,161.69	1,482.98	1,277.40	205.59	7.213		
15,900.00	7,630.00	7,646.00	7,646.00	122.57	132.48	90.00	-7,180.39	2,161.69	1,386.56	1,179.20	207.36	6.687		
16,000.00	7,630.00	7,646.00	7,646.00	124.21	132.48	90.00	-7,180.39	2,161.69	1,290.67	1,081.27	209.40	6.164		
16,100.00	7,630.00	7,646.00	7,646.00	125.85	132.48	90.00	-7,180.39	2,161.69	1,195.46	983.69	211.78	5.645		
16,200.00	7,630.00	7,646.00	7,646.00	127.50	132.48	90.00	-7,180.39	2,161.69	1,101.10	886.54	214.57	5.132		
16,300.00	7,630.00	7,646.00	7,646.00	129.15	132.48	90.00	-7,180.39	2,161.69	1,007.83	789.96	217.87	4.626		
16,400.00	7,630.00	7,646.00	7,646.00	130.80	132.48	90.00	-7,180.39	2,161.69	915.98	694.16	221.82	4.129		
16,500.00	7,630.00	7,646.00	7,646.00	132.46	132.48	90.00	-7,180.39	2,161.69	826.03	599.45	226.58	3.646		
16,600.00	7,630.00	7,646.00	7,646.00	134.11	132.48	90.00	-7,180.39	2,161.69	738.66	506.33	232.33	3.179		
16,700.00	7,630.00	7,646.00	7,646.00	135.77	132.48	90.00	-7,180.39	2,161.69	654.92	415.63	239.29	2.737		
16,800.00	7,630.00	7,646.00	7,646.00	137.43	132.48	90.00	-7,180.39	2,161.69	576.38	328.82	247.56	2.328		
16,900.00	7,630.00	7,646.00	7,646.00	139.10	132.48	90.00	-7,180.39	2,161.69	505.48	248.49	256.99	1.967		
17,000.00	7,630.00	7,646.00	7,646.00	140.77	132.48	90.00	-7,180.39	2,161.69	445.88	179.26	266.62	1.672		
17,100.00	7,630.00	7,646.00	7,646.00	142.44	132.48	90.00	-7,180.39	2,161.69	402.62	128.58	274.04	1.469	Level 3	
17,200.00	7,630.00	7,646.00	7,646.00	144.11	132.48	90.00	-7,180.39	2,161.69	381.32	105.80	275.51	1.384	Level 3, SF	
17,233.52	7,630.00	7,646.00	7,646.00	144.67	132.48	90.00	-7,180.39	2,161.69	379.84	105.70	274.14	1.386	Level 3, CC, ES	
17,300.00	7,630.00	7,646.00	7,646.00	145.78	132.48	90.00	-7,180.39	2,161.69	385.62	116.99	268.63	1.435	Level 3	
17,400.00	7,630.00	7,646.00	7,646.00	147.46	132.48	90.00	-7,180.39	2,161.69	414.72	159.45	255.28	1.625		
17,500.00	7,630.00	7,646.00	7,646.00	149.13	132.48	90.00	-7,180.39	2,161.69	464.00	224.05	239.95	1.934		
17,600.00	7,630.00	7,646.00	7,646.00	150.81	132.48	90.00	-7,180.39	2,161.69	527.82	301.83	225.99	2.336		
17,700.00	7,630.00	7,646.00	7,646.00	152.49	132.48	90.00	-7,180.39	2,161.69	601.57	386.96	214.61	2.803		
17,800.00	7,630.00	7,646.00	7,646.00	154.18	132.48	90.00	-7,180.39	2,161.69	682.04	476.21	205.84	3.313		
17,900.00	7,630.00	7,646.00	7,646.00	155.86	132.48	90.00	-7,180.39	2,161.69	767.13	567.89	199.23	3.850		
18,000.00	7,630.00	7,646.00	7,646.00	157.55	132.48	90.00	-7,180.39	2,161.69	855.44	661.12	194.32	4.402		
18,100.00	7,630.00	7,646.00	7,646.00	159.24	132.48	90.00	-7,180.39	2,161.69	946.08	755.41	190.68	4.962		
18,200.00	7,630.00	7,646.00	7,646.00	160.92	132.48	90.00	-7,180.39	2,161.69	1,038.45	850.46	187.99	5.524		
18,300.00	7,630.00	7,646.00	7,646.00	162.62	132.48	90.00	-7,180.39	2,161.69	1,132.11	946.11	186.00	6.087		
18,400.00	7,630.00	7,646.00	7,646.00	164.31	132.48	90.00	-7,180.39	2,161.69	1,226.77	1,042.23	184.54	6.648		
18,458.39	7,630.00	7,646.00	7,646.00	165.30	132.48	90.00	-7,180.39	2,161.69	1,282.42	1,098.55	183.87	6.975		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	140.12	-6,863.62	5,734.36	8,943.89					
100.00	100.00	67.00	67.00	0.13	0.53	140.12	-6,863.62	5,734.36	8,943.83	8,943.17	0.66	N/A		
200.00	200.00	167.00	167.00	0.49	1.95	140.12	-6,863.62	5,734.36	8,943.83	8,941.38	2.45	3,654.021		
300.00	300.00	267.00	267.00	0.85	3.70	140.12	-6,863.62	5,734.36	8,943.83	8,939.28	4.55	1,965.043		
400.00	400.00	367.00	367.00	1.21	5.45	140.12	-6,863.62	5,734.36	8,943.83	8,937.18	6.66	1,343.872		
500.00	500.00	467.00	467.00	1.57	7.19	140.12	-6,863.62	5,734.36	8,943.83	8,935.07	8.76	1,021.094		
600.00	600.00	567.00	567.00	1.93	8.94	140.12	-6,863.62	5,734.36	8,943.83	8,932.97	10.86	823.339		
700.00	700.00	667.00	667.00	2.29	10.68	140.12	-6,863.62	5,734.36	8,943.83	8,930.86	12.97	689.755		
800.00	800.00	767.00	767.00	2.64	12.43	140.12	-6,863.62	5,734.36	8,943.83	8,928.76	15.07	593.467		
900.00	900.00	867.00	867.00	3.00	14.17	140.12	-6,863.62	5,734.36	8,943.83	8,926.66	17.17	520.769		
1,000.00	1,000.00	967.00	967.00	3.36	15.92	140.12	-6,863.62	5,734.36	8,943.83	8,924.55	19.28	463.938		
1,100.00	1,100.00	1,067.00	1,067.00	3.72	17.66	140.12	-6,863.62	5,734.36	8,943.83	8,922.45	21.38	418.290		
1,200.00	1,199.98	1,166.98	1,166.98	4.07	19.41	89.07	-6,863.62	5,734.36	8,943.80	8,920.32	23.48	380.878		
1,300.00	1,299.84	1,266.84	1,266.84	4.43	21.15	89.10	-6,863.62	5,734.36	8,943.72	8,918.14	25.58	349.657		
1,400.00	1,399.45	1,366.45	1,366.45	4.79	22.89	89.16	-6,863.62	5,734.36	8,943.59	8,915.91	27.67	323.165		
1,500.00	1,498.70	1,465.70	1,465.70	5.15	24.62	89.24	-6,863.62	5,734.36	8,943.41	8,913.64	29.77	300.387		
1,600.00	1,597.47	1,564.47	1,564.47	5.53	26.35	89.34	-6,863.62	5,734.36	8,943.22	8,911.34	31.87	280.574		
1,700.00	1,695.62	1,662.62	1,662.62	5.93	28.06	89.47	-6,863.62	5,734.36	8,943.02	8,909.03	33.98	263.158		
1,800.00	1,793.06	1,760.06	1,760.06	6.35	29.76	89.61	-6,863.62	5,734.36	8,942.83	8,906.73	36.10	247.708		
1,900.00	1,889.64	1,856.64	1,856.64	6.79	31.44	89.77	-6,863.62	5,734.36	8,942.69	8,904.45	38.23	233.888		
2,000.00	1,985.27	1,952.27	1,952.27	7.27	33.11	89.95	-6,863.62	5,734.36	8,942.61	8,902.23	40.38	221.436		
2,023.82	2,007.89	1,974.89	1,974.89	7.40	33.51	90.00	-6,863.62	5,734.36	8,942.61	8,901.71	40.90	218.632		
2,100.00	2,079.82	2,046.82	2,046.82	7.79	34.76	90.15	-6,863.62	5,734.36	8,942.65	8,900.09	42.56	210.143		
2,200.00	2,173.17	2,140.17	2,140.17	8.36	36.39	90.36	-6,863.62	5,734.36	8,942.82	8,898.07	44.75	199.844		
2,300.00	2,265.21	2,232.21	2,232.21	8.97	38.00	90.59	-6,863.62	5,734.36	8,943.17	8,896.20	46.97	190.406		
2,400.00	2,355.84	2,322.84	2,322.84	9.64	39.58	90.82	-6,863.62	5,734.36	8,943.74	8,894.53	49.22	181.720		
2,500.00	2,444.94	2,411.94	2,411.94	10.36	41.14	91.06	-6,863.62	5,734.36	8,944.58	8,893.09	51.50	173.697		
2,591.69	2,525.19	2,507.81	2,492.19	11.07	42.81	91.29	-6,863.62	5,734.36	8,945.62	8,891.74	53.88	166.018		
2,600.00	2,532.40	2,500.60	2,499.40	11.14	42.68	91.31	-6,863.62	5,734.36	8,945.73	8,891.90	53.82	166.202		
2,700.00	2,619.15	2,586.15	2,586.15	11.96	44.18	91.59	-6,863.62	5,734.36	8,947.18	8,891.04	56.14	159.371		
2,800.00	2,705.89	2,672.89	2,672.89	12.81	45.69	91.86	-6,863.62	5,734.36	8,948.91	8,890.41	58.50	152.974		
2,900.00	2,792.64	2,759.64	2,759.64	13.67	47.20	92.14	-6,863.62	5,734.36	8,950.91	8,890.04	60.88	147.034		
3,000.00	2,879.39	2,846.39	2,846.39	14.55	48.72	92.42	-6,863.62	5,734.36	8,953.19	8,889.92	63.27	141.513		
3,100.00	2,966.14	2,933.14	2,933.14	15.44	50.23	92.69	-6,863.62	5,734.36	8,955.75	8,890.08	65.67	136.373		
3,200.00	3,052.88	3,019.88	3,019.88	16.34	51.75	92.97	-6,863.62	5,734.36	8,958.58	8,890.49	68.08	131.582		
3,300.00	3,139.63	3,106.63	3,106.63	17.25	53.26	93.24	-6,863.62	5,734.36	8,961.68	8,891.18	70.50	127.108		
3,400.00	3,226.38	3,206.62	3,193.38	18.17	55.01	93.52	-6,863.62	5,734.36	8,965.07	8,891.90	73.16	122.535		
3,500.00	3,313.12	3,280.12	3,280.12	19.09	56.29	93.80	-6,863.62	5,734.36	8,968.72	8,893.36	75.37	119.004		
3,600.00	3,399.87	3,366.87	3,366.87	20.02	57.80	94.07	-6,863.62	5,734.36	8,972.65	8,894.85	77.80	115.326		
3,700.00	3,486.62	3,453.62	3,453.62	20.96	59.32	94.35	-6,863.62	5,734.36	8,976.86	8,896.61	80.24	111.869		
3,800.00	3,573.37	3,540.37	3,540.37	21.90	60.83	94.62	-6,863.62	5,734.36	8,981.34	8,898.65	82.69	108.616		
3,900.00	3,660.11	3,627.11	3,627.11	22.84	62.35	94.89	-6,863.62	5,734.36	8,986.09	8,900.95	85.14	105.550		
4,000.00	3,746.86	3,713.86	3,713.86	23.78	63.86	95.17	-6,863.62	5,734.36	8,991.11	8,903.53	87.58	102.656		
4,100.00	3,833.61	3,800.61	3,800.61	24.73	65.37	95.44	-6,863.62	5,734.36	8,996.41	8,906.37	90.04	99.921		
4,200.00	3,920.35	3,887.35	3,887.35	25.68	66.89	95.72	-6,863.62	5,734.36	9,001.98	8,909.49	92.49	97.332		
4,300.00	4,007.10	3,974.10	3,974.10	26.63	68.40	95.99	-6,863.62	5,734.36	9,007.81	8,912.88	94.94	94.880		
4,400.00	4,093.85	4,060.85	4,060.85	27.59	69.92	96.26	-6,863.62	5,734.36	9,013.92	8,916.53	97.39	92.552		
4,500.00	4,180.60	4,147.60	4,147.60	28.55	71.43	96.54	-6,863.62	5,734.36	9,020.31	8,920.46	99.85	90.342		
4,600.00	4,267.34	4,234.34	4,234.34	29.50	72.94	96.81	-6,863.62	5,734.36	9,026.96	8,924.66	102.30	88.240		
4,700.00	4,354.09	4,321.09	4,321.09	30.46	74.46	97.08	-6,863.62	5,734.36	9,033.87	8,929.12	104.75	86.240		
4,800.00	4,440.84	4,407.84	4,407.84	31.42	75.97	97.35	-6,863.62	5,734.36	9,041.06	8,933.86	107.21	84.334		
4,900.00	4,527.58	4,505.42	4,494.58	32.39	77.67	97.63	-6,863.62	5,734.36	9,048.52	8,938.67	109.85	82.374		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
5,000.00	4,614.33	4,581.33	4,581.33	33.35	79.00	97.90	-6,863.62	5,734.36	9,056.24	8,944.13	112.11	80.780		
5,100.00	4,701.08	4,668.08	4,668.08	34.31	80.51	98.17	-6,863.62	5,734.36	9,064.23	8,949.67	114.56	79.122		
5,200.00	4,787.82	4,754.82	4,754.82	35.28	82.03	98.44	-6,863.62	5,734.36	9,072.48	8,955.47	117.01	77.536		
5,300.00	4,874.57	4,841.57	4,841.57	36.25	83.54	98.71	-6,863.62	5,734.36	9,081.00	8,961.55	119.46	76.018		
5,400.00	4,961.32	4,928.32	4,928.32	37.21	85.06	98.98	-6,863.62	5,734.36	9,089.79	8,967.88	121.91	74.563		
5,500.00	5,048.07	5,015.07	5,015.07	38.18	86.57	99.25	-6,863.62	5,734.36	9,098.84	8,974.48	124.35	73.170		
5,600.00	5,134.81	5,042.00	5,042.00	39.15	87.04	99.33	-6,863.62	5,734.36	9,108.34	8,982.60	125.74	72.435		
5,700.00	5,221.56	5,042.00	5,042.00	40.12	87.04	99.33	-6,863.62	5,734.36	9,118.90	8,992.25	126.65	72.001		
5,800.00	5,308.31	5,042.00	5,042.00	41.09	87.04	99.33	-6,863.62	5,734.36	9,130.53	9,002.99	127.54	71.588		
5,900.00	5,395.05	5,042.00	5,042.00	42.06	87.04	99.33	-6,863.62	5,734.36	9,143.25	9,014.83	128.42	71.197		
6,000.00	5,481.80	5,042.00	5,042.00	43.03	87.04	99.33	-6,863.62	5,734.36	9,157.04	9,027.76	129.29	70.828		
6,100.00	5,568.55	5,042.00	5,042.00	44.00	87.04	99.33	-6,863.62	5,734.36	9,171.90	9,041.77	130.14	70.480		
6,200.00	5,655.30	5,042.00	5,042.00	44.97	87.04	99.33	-6,863.62	5,734.36	9,187.83	9,056.85	130.97	70.152		
6,300.00	5,742.04	5,042.00	5,042.00	45.94	87.04	99.33	-6,863.62	5,734.36	9,204.81	9,073.02	131.79	69.843		
6,400.00	5,828.79	5,042.00	5,042.00	46.92	87.04	99.33	-6,863.62	5,734.36	9,222.84	9,090.25	132.60	69.555		
6,500.00	5,915.54	5,042.00	5,042.00	47.89	87.04	99.33	-6,863.62	5,734.36	9,241.93	9,108.54	133.39	69.285		
6,600.00	6,002.28	5,042.00	5,042.00	48.86	87.04	99.33	-6,863.62	5,734.36	9,262.05	9,127.89	134.17	69.034		
6,700.00	6,089.03	5,042.00	5,042.00	49.83	87.04	99.33	-6,863.62	5,734.36	9,283.21	9,148.28	134.93	68.801		
6,800.00	6,175.78	5,042.00	5,042.00	50.81	87.04	99.33	-6,863.62	5,734.36	9,305.39	9,169.72	135.67	68.587		
6,900.00	6,262.53	5,042.00	5,042.00	51.78	87.04	99.33	-6,863.62	5,734.36	9,328.60	9,192.19	136.40	68.389		
7,000.00	6,349.27	5,042.00	5,042.00	52.76	87.04	99.33	-6,863.62	5,734.36	9,352.81	9,215.69	137.12	68.209		
7,100.00	6,436.02	5,042.00	5,042.00	53.73	87.04	99.33	-6,863.62	5,734.36	9,378.03	9,240.21	137.82	68.045		
7,200.00	6,522.77	5,042.00	5,042.00	54.71	87.04	99.33	-6,863.62	5,734.36	9,404.24	9,265.74	138.51	67.897		
7,300.00	6,609.51	5,042.00	5,042.00	55.68	87.04	99.33	-6,863.62	5,734.36	9,431.45	9,292.27	139.18	67.765		
7,400.00	6,696.26	5,042.00	5,042.00	56.66	87.04	99.33	-6,863.62	5,734.36	9,459.63	9,319.79	139.83	67.649		
7,500.00	6,783.01	5,042.00	5,042.00	57.63	87.04	99.33	-6,863.62	5,734.36	9,488.78	9,348.30	140.47	67.548		
7,600.00	6,869.76	5,042.00	5,042.00	58.61	87.04	99.33	-6,863.62	5,734.36	9,518.89	9,377.79	141.10	67.462		
7,683.49	6,942.18	5,042.00	5,042.00	59.42	87.04	99.33	-6,863.62	5,734.36	9,544.76	9,403.15	141.61	67.402		
7,700.00	6,956.57	5,042.00	5,042.00	59.58	87.04	97.13	-6,863.62	5,734.36	9,549.75	9,408.04	141.71	67.390		
7,750.00	7,000.85	5,042.00	5,042.00	60.04	87.04	89.32	-6,863.62	5,734.36	9,562.51	9,420.52	141.99	67.346		
7,800.00	7,045.94	5,042.00	5,042.00	60.46	87.04	79.89	-6,863.62	5,734.36	9,571.66	9,429.41	142.25	67.289		
7,850.00	7,091.49	5,042.00	5,042.00	60.84	87.04	69.23	-6,863.62	5,734.36	9,577.15	9,434.67	142.47	67.221		
7,900.00	7,137.15	5,042.00	5,042.00	61.17	87.04	58.12	-6,863.62	5,734.36	9,578.93	9,436.27	142.66	67.144		
7,950.00	7,182.58	5,042.00	5,042.00	61.44	87.04	47.45	-6,863.62	5,734.36	9,577.01	9,434.20	142.81	67.060		
8,000.00	7,227.43	5,042.00	5,042.00	61.67	87.04	37.86	-6,863.62	5,734.36	9,571.39	9,428.46	142.92	66.968		
8,050.00	7,271.36	5,042.00	5,042.00	61.84	87.04	29.61	-6,863.62	5,734.36	9,562.10	9,419.11	143.00	66.870		
8,100.00	7,314.04	5,042.00	5,042.00	61.96	87.04	22.63	-6,863.62	5,734.36	9,549.22	9,406.19	143.03	66.764		
8,150.00	7,355.14	5,042.00	5,042.00	62.04	87.04	16.70	-6,863.62	5,734.36	9,532.81	9,389.78	143.03	66.651		
8,200.00	7,394.34	5,042.00	5,042.00	62.07	87.04	11.57	-6,863.62	5,734.36	9,512.99	9,370.00	142.99	66.530		
8,250.00	7,431.36	5,042.00	5,042.00	62.06	87.04	7.00	-6,863.62	5,734.36	9,489.89	9,346.98	142.92	66.401		
8,300.00	7,465.90	5,042.00	5,042.00	62.01	87.04	2.80	-6,863.62	5,734.36	9,463.67	9,320.85	142.82	66.264		
8,350.00	7,497.71	5,042.00	5,042.00	61.93	87.04	-1.24	-6,863.62	5,734.36	9,434.48	9,291.80	142.69	66.119		
8,400.00	7,526.53	5,042.00	5,042.00	61.81	87.04	-5.27	-6,863.62	5,734.36	9,402.54	9,260.01	142.54	65.966		
8,450.00	7,552.17	5,042.00	5,042.00	61.66	87.04	-9.46	-6,863.62	5,734.36	9,368.06	9,225.70	142.36	65.805		
8,500.00	7,574.41	5,042.00	5,042.00	61.48	87.04	-14.00	-6,863.62	5,734.36	9,331.27	9,189.10	142.17	65.636		
8,550.00	7,593.09	5,042.00	5,042.00	61.29	87.04	-19.05	-6,863.62	5,734.36	9,292.42	9,150.46	141.96	65.458		
8,600.00	7,608.07	5,042.00	5,042.00	61.07	87.04	-24.84	-6,863.62	5,734.36	9,251.80	9,110.06	141.74	65.273		
8,650.00	7,619.23	5,042.00	5,042.00	60.84	87.04	-31.54	-6,863.62	5,734.36	9,209.68	9,068.17	141.51	65.080		
8,700.00	7,626.48	5,042.00	5,042.00	60.60	87.04	-39.33	-6,863.62	5,734.36	9,166.37	9,025.09	141.28	64.881		
8,750.00	7,629.78	5,042.00	5,042.00	60.35	87.04	-48.20	-6,863.62	5,734.36	9,122.18	8,981.14	141.05	64.675		
8,766.45	7,630.00	5,042.00	5,042.00	60.27	87.04	-51.32	-6,863.62	5,734.36	9,107.51	8,966.54	140.97	64.606		
8,800.00	7,630.00	5,042.00	5,042.00	60.10	87.04	-51.32	-6,863.62	5,734.36	9,077.54	8,936.73	140.81	64.465		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
8,900.00	7,630.00	5,042.00	5,042.00	59.61	87.04	-51.32	-6,863.62	5,734.36	8,988.37	8,848.03	140.35	64.045		
9,000.00	7,630.00	5,042.00	5,042.00	59.15	87.04	-51.32	-6,863.62	5,734.36	8,899.43	8,759.56	139.87	63.625		
9,100.00	7,630.00	5,042.00	5,042.00	58.71	87.04	-51.32	-6,863.62	5,734.36	8,810.73	8,671.33	139.40	63.206		
9,200.00	7,630.00	5,042.00	5,042.00	58.30	87.04	-51.32	-6,863.62	5,734.36	8,722.27	8,583.35	138.92	62.787		
9,300.00	7,630.00	5,042.00	5,042.00	57.91	87.04	-51.32	-6,863.62	5,734.36	8,634.06	8,495.63	138.44	62.367		
9,400.00	7,630.00	5,042.00	5,042.00	57.54	87.04	-51.32	-6,863.62	5,734.36	8,546.12	8,408.16	137.96	61.948		
9,500.00	7,630.00	5,042.00	5,042.00	57.19	87.04	-51.32	-6,863.62	5,734.36	8,458.44	8,320.97	137.47	61.529		
9,600.00	7,630.00	5,042.00	5,042.00	56.87	87.04	-51.32	-6,863.62	5,734.36	8,371.04	8,234.05	136.99	61.108		
9,700.00	7,630.00	5,042.00	5,042.00	56.57	87.04	-51.32	-6,863.62	5,734.36	8,283.92	8,147.42	136.50	60.688		
9,800.00	7,630.00	5,042.00	5,042.00	56.30	87.04	-51.32	-6,863.62	5,734.36	8,197.09	8,061.08	136.02	60.266		
9,900.00	7,630.00	5,042.00	5,042.00	56.05	87.04	-51.32	-6,863.62	5,734.36	8,110.57	7,975.04	135.53	59.843		
10,000.00	7,630.00	5,042.00	5,042.00	55.82	87.04	-51.32	-6,863.62	5,734.36	8,024.37	7,889.32	135.05	59.419		
10,100.00	7,630.00	5,042.00	5,042.00	55.63	87.04	-51.32	-6,863.62	5,734.36	7,938.48	7,803.92	134.57	58.993		
10,200.00	7,630.00	5,042.00	5,042.00	55.46	87.04	-51.32	-6,863.62	5,734.36	7,852.93	7,718.84	134.09	58.565		
10,300.00	7,630.00	5,042.00	5,042.00	55.32	87.04	-51.32	-6,863.62	5,734.36	7,767.73	7,634.11	133.62	58.135		
10,400.00	7,630.00	5,042.00	5,042.00	55.22	87.04	-51.32	-6,863.62	5,734.36	7,682.88	7,549.73	133.15	57.702		
10,500.00	7,630.00	5,042.00	5,042.00	55.15	87.04	-51.32	-6,863.62	5,734.36	7,598.40	7,465.72	132.69	57.266		
10,600.00	7,630.00	5,042.00	5,042.00	55.14	87.04	-51.32	-6,863.62	5,734.36	7,514.31	7,382.07	132.23	56.826		
10,700.00	7,630.00	5,042.00	5,042.00	55.18	87.04	-51.32	-6,863.62	5,734.36	7,430.60	7,298.81	131.79	56.382		
10,800.00	7,630.00	5,042.00	5,042.00	55.28	87.04	-51.32	-6,863.62	5,734.36	7,347.31	7,215.95	131.36	55.934		
10,900.00	7,630.00	5,042.00	5,042.00	55.47	87.04	-51.32	-6,863.62	5,734.36	7,264.43	7,133.50	130.94	55.481		
11,000.00	7,630.00	5,042.00	5,042.00	55.74	87.04	-51.32	-6,863.62	5,734.36	7,181.99	7,051.46	130.53	55.022		
11,100.00	7,630.00	5,042.00	5,042.00	56.11	87.04	-51.32	-6,863.62	5,734.36	7,100.01	6,969.87	130.14	54.558		
11,200.00	7,630.00	5,042.00	5,042.00	56.60	87.04	-51.32	-6,863.62	5,734.36	7,018.48	6,888.72	129.77	54.086		
11,300.00	7,630.00	5,042.00	5,042.00	57.20	87.04	-51.32	-6,863.62	5,734.36	6,937.45	6,808.03	129.41	53.607		
11,400.00	7,630.00	5,042.00	5,042.00	57.91	87.04	-51.32	-6,863.62	5,734.36	6,856.91	6,727.83	129.08	53.120		
11,500.00	7,630.00	5,042.00	5,042.00	58.72	87.04	-51.32	-6,863.62	5,734.36	6,776.89	6,648.11	128.78	52.624		
11,600.00	7,630.00	5,042.00	5,042.00	59.63	87.04	-51.32	-6,863.62	5,734.36	6,697.41	6,568.91	128.50	52.119		
11,700.00	7,630.00	5,042.00	5,042.00	60.61	87.04	-51.32	-6,863.62	5,734.36	6,618.49	6,490.23	128.26	51.604		
11,800.00	7,630.00	5,042.00	5,042.00	61.67	87.04	-51.32	-6,863.62	5,734.36	6,540.14	6,412.10	128.04	51.078		
11,900.00	7,630.00	5,042.00	5,042.00	62.78	87.04	-51.32	-6,863.62	5,734.36	6,462.39	6,334.53	127.86	50.541		
12,000.00	7,630.00	5,042.00	5,042.00	63.95	87.04	-51.32	-6,863.62	5,734.36	6,385.26	6,257.54	127.72	49.992		
12,100.00	7,630.00	5,042.00	5,042.00	65.16	87.04	-51.32	-6,863.62	5,734.36	6,308.77	6,181.15	127.63	49.431		
12,200.00	7,630.00	5,042.00	5,042.00	66.41	87.04	-51.32	-6,863.62	5,734.36	6,232.95	6,105.38	127.57	48.857		
12,300.00	7,630.00	5,042.00	5,042.00	67.68	87.04	-51.32	-6,863.62	5,734.36	6,157.82	6,030.25	127.57	48.270		
12,400.00	7,630.00	5,042.00	5,042.00	68.99	87.04	-51.32	-6,863.62	5,734.36	6,083.40	5,955.79	127.61	47.670		
12,500.00	7,630.00	5,042.00	5,042.00	70.33	87.04	-51.32	-6,863.62	5,734.36	6,009.73	5,882.02	127.71	47.056		
12,600.00	7,630.00	5,042.00	5,042.00	71.68	87.04	-51.32	-6,863.62	5,734.36	5,936.83	5,808.96	127.87	46.429		
12,700.00	7,630.00	5,042.00	5,042.00	73.06	87.04	-51.32	-6,863.62	5,734.36	5,864.72	5,736.64	128.08	45.788		
12,800.00	7,630.00	5,042.00	5,042.00	74.45	87.04	-51.32	-6,863.62	5,734.36	5,793.45	5,665.08	128.36	45.134		
12,900.00	7,630.00	5,042.00	5,042.00	75.87	87.04	-51.32	-6,863.62	5,734.36	5,723.03	5,594.33	128.70	44.467		
13,000.00	7,630.00	5,042.00	5,042.00	77.29	87.04	-51.32	-6,863.62	5,734.36	5,653.51	5,524.40	129.11	43.789		
13,100.00	7,630.00	5,042.00	5,042.00	78.74	87.04	-51.32	-6,863.62	5,734.36	5,584.91	5,455.32	129.58	43.099		
13,200.00	7,630.00	5,042.00	5,042.00	80.19	87.04	-51.32	-6,863.62	5,734.36	5,517.27	5,387.14	130.13	42.398		
13,300.00	7,630.00	5,042.00	5,042.00	81.66	87.04	-51.32	-6,863.62	5,734.36	5,450.62	5,319.88	130.75	41.688		
13,400.00	7,630.00	5,042.00	5,042.00	83.14	87.04	-51.32	-6,863.62	5,734.36	5,385.01	5,253.57	131.44	40.970		
13,500.00	7,630.00	5,042.00	5,042.00	84.63	87.04	-51.32	-6,863.62	5,734.36	5,320.47	5,188.27	132.20	40.245		
13,600.00	7,630.00	5,042.00	5,042.00	86.14	87.04	-51.32	-6,863.62	5,734.36	5,257.04	5,124.00	133.04	39.515		
13,700.00	7,630.00	5,042.00	5,042.00	87.65	87.04	-51.32	-6,863.62	5,734.36	5,194.76	5,060.81	133.95	38.781		
13,800.00	7,630.00	5,042.00	5,042.00	89.17	87.04	-51.32	-6,863.62	5,734.36	5,133.67	4,998.73	134.94	38.044		
13,900.00	7,630.00	5,042.00	5,042.00	90.70	87.04	-51.32	-6,863.62	5,734.36	5,073.82	4,937.82	136.00	37.307		
14,000.00	7,630.00	5,042.00	5,042.00	92.24	87.04	-51.32	-6,863.62	5,734.36	5,015.25	4,878.11	137.14	36.570		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
14,100.00	7,630.00	5,042.00	5,042.00	93.78	87.04	-51.32	-6,863.62	5,734.36	4,958.00	4,819.65	138.35	35.836		
14,200.00	7,630.00	5,042.00	5,042.00	95.33	87.04	-51.32	-6,863.62	5,734.36	4,902.12	4,762.49	139.63	35.107		
14,300.00	7,630.00	5,042.00	5,042.00	96.89	87.04	-51.32	-6,863.62	5,734.36	4,847.66	4,706.68	140.99	34.383		
14,400.00	7,630.00	5,042.00	5,042.00	98.46	87.04	-51.32	-6,863.62	5,734.36	4,794.67	4,652.26	142.41	33.667		
14,500.00	7,630.00	5,042.00	5,042.00	100.03	87.04	-51.32	-6,863.62	5,734.36	4,743.20	4,599.29	143.91	32.960		
14,600.00	7,630.00	5,042.00	5,042.00	101.61	87.04	-51.32	-6,863.62	5,734.36	4,693.29	4,547.83	145.47	32.264		
14,700.00	7,630.00	5,042.00	5,042.00	103.20	87.04	-51.32	-6,863.62	5,734.36	4,645.01	4,497.91	147.09	31.579		
14,800.00	7,630.00	5,042.00	5,042.00	104.78	87.04	-51.32	-6,863.62	5,734.36	4,598.38	4,449.60	148.78	30.908		
14,900.00	7,630.00	5,042.00	5,042.00	106.38	87.04	-51.32	-6,863.62	5,734.36	4,553.48	4,402.96	150.52	30.251		
15,000.00	7,630.00	5,042.00	5,042.00	107.98	87.04	-51.32	-6,863.62	5,734.36	4,510.35	4,358.02	152.33	29.609		
15,100.00	7,630.00	5,042.00	5,042.00	109.58	87.04	-51.32	-6,863.62	5,734.36	4,469.04	4,314.85	154.18	28.985		
15,200.00	7,630.00	5,042.00	5,042.00	111.19	87.04	-51.32	-6,863.62	5,734.36	4,429.60	4,273.51	156.09	28.378		
15,300.00	7,630.00	5,042.00	5,042.00	112.81	87.04	-51.32	-6,863.62	5,734.36	4,392.08	4,234.04	158.05	27.790		
15,400.00	7,630.00	5,042.00	5,042.00	114.42	87.04	-51.32	-6,863.62	5,734.36	4,356.54	4,196.50	160.05	27.221		
15,500.00	7,630.00	5,042.00	5,042.00	116.05	87.04	-51.32	-6,863.62	5,734.36	4,323.02	4,160.94	162.08	26.672		
15,600.00	7,630.00	5,042.00	5,042.00	117.67	87.04	-51.32	-6,863.62	5,734.36	4,291.57	4,127.41	164.16	26.143		
15,700.00	7,630.00	5,042.00	5,042.00	119.30	87.04	-51.32	-6,863.62	5,734.36	4,262.23	4,095.97	166.26	25.635		
15,800.00	7,630.00	5,042.00	5,042.00	120.93	87.04	-51.32	-6,863.62	5,734.36	4,235.05	4,066.66	168.40	25.149		
15,900.00	7,630.00	5,042.00	5,042.00	122.57	87.04	-51.32	-6,863.62	5,734.36	4,210.08	4,039.52	170.55	24.685		
16,000.00	7,630.00	5,042.00	5,042.00	124.21	87.04	-51.32	-6,863.62	5,734.36	4,187.34	4,014.61	172.73	24.242		
16,100.00	7,630.00	5,042.00	5,042.00	125.85	87.04	-51.32	-6,863.62	5,734.36	4,166.88	3,991.96	174.92	23.822		
16,200.00	7,630.00	5,042.00	5,042.00	127.50	87.04	-51.32	-6,863.62	5,734.36	4,148.72	3,971.61	177.11	23.424		
16,300.00	7,630.00	5,042.00	5,042.00	129.15	87.04	-51.32	-6,863.62	5,734.36	4,132.91	3,953.60	179.31	23.049		
16,400.00	7,630.00	5,042.00	5,042.00	130.80	87.04	-51.32	-6,863.62	5,734.36	4,119.47	3,937.96	181.51	22.695		
16,500.00	7,630.00	5,042.00	5,042.00	132.46	87.04	-51.32	-6,863.62	5,734.36	4,108.41	3,924.71	183.70	22.364		
16,600.00	7,630.00	5,042.00	5,042.00	134.11	87.04	-51.32	-6,863.62	5,734.36	4,099.77	3,913.89	185.89	22.055		
16,700.00	7,630.00	5,042.00	5,042.00	135.77	87.04	-51.32	-6,863.62	5,734.36	4,093.55	3,905.50	188.05	21.769		
16,800.00	7,630.00	5,042.00	5,042.00	137.43	87.04	-51.32	-6,863.62	5,734.36	4,089.77	3,899.58	190.19	21.503		
16,900.00	7,630.00	5,042.00	5,042.00	139.10	87.04	-51.32	-6,863.62	5,734.36	4,088.43	3,896.13	192.31	21.260		
16,904.72	7,630.00	5,042.00	5,042.00	139.18	87.04	-51.32	-6,863.62	5,734.36	4,088.43	3,896.02	192.41	21.249 CC		
17,000.00	7,630.00	5,042.00	5,042.00	140.77	87.04	-51.32	-6,863.62	5,734.36	4,089.54	3,895.15	194.39	21.038 ES		
17,100.00	7,630.00	5,042.00	5,042.00	142.44	87.04	-51.32	-6,863.62	5,734.36	4,093.09	3,896.65	196.44	20.836		
17,200.00	7,630.00	5,042.00	5,042.00	144.11	87.04	-51.32	-6,863.62	5,734.36	4,099.08	3,900.63	198.45	20.655		
17,300.00	7,630.00	5,042.00	5,042.00	145.78	87.04	-51.32	-6,863.62	5,734.36	4,107.50	3,907.08	200.42	20.495		
17,400.00	7,630.00	5,042.00	5,042.00	147.46	87.04	-51.32	-6,863.62	5,734.36	4,118.32	3,915.99	202.33	20.354		
17,500.00	7,630.00	5,042.00	5,042.00	149.13	87.04	-51.32	-6,863.62	5,734.36	4,131.54	3,927.34	204.20	20.233		
17,600.00	7,630.00	5,042.00	5,042.00	150.81	87.04	-51.32	-6,863.62	5,734.36	4,147.13	3,941.12	206.01	20.131		
17,700.00	7,630.00	5,042.00	5,042.00	152.49	87.04	-51.32	-6,863.62	5,734.36	4,165.06	3,957.30	207.77	20.047		
17,800.00	7,630.00	5,042.00	5,042.00	154.18	87.04	-51.32	-6,863.62	5,734.36	4,185.31	3,975.85	209.46	19.981		
17,900.00	7,630.00	5,042.00	5,042.00	155.86	87.04	-51.32	-6,863.62	5,734.36	4,207.83	3,996.74	211.09	19.933		
18,000.00	7,630.00	5,042.00	5,042.00	157.55	87.04	-51.32	-6,863.62	5,734.36	4,232.60	4,019.94	212.66	19.903		
18,100.00	7,630.00	5,042.00	5,042.00	159.24	87.04	-51.32	-6,863.62	5,734.36	4,259.57	4,045.40	214.17	19.889 SF		
18,200.00	7,630.00	5,042.00	5,042.00	160.92	87.04	-51.32	-6,863.62	5,734.36	4,288.71	4,073.10	215.61	19.891		
18,300.00	7,630.00	5,042.00	5,042.00	162.62	87.04	-51.32	-6,863.62	5,734.36	4,319.96	4,102.98	216.98	19.910		
18,400.00	7,630.00	5,042.00	5,042.00	164.31	87.04	-51.32	-6,863.62	5,734.36	4,353.29	4,135.00	218.28	19.943		
18,458.39	7,630.00	5,042.00	5,042.00	165.30	87.04	-51.32	-6,863.62	5,734.36	4,373.69	4,154.67	219.02	19.970		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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-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	144.99	-8,182.34	5,731.86	9,990.31					
100.00	100.00	65.00	65.00	0.13	0.53	144.99	-8,182.34	5,731.86	9,990.24	9,989.58	0.67	N/A		
200.00	200.00	165.00	165.00	0.49	1.95	144.99	-8,182.34	5,731.86	9,990.24	9,987.80	2.45	4,081.535		
300.00	300.00	265.00	265.00	0.85	3.70	144.99	-8,182.34	5,731.86	9,990.24	9,985.69	4.55	2,194.949		
400.00	400.00	365.00	365.00	1.21	5.45	144.99	-8,182.34	5,731.86	9,990.24	9,983.59	6.66	1,501.103		
500.00	500.00	465.00	465.00	1.57	7.19	144.99	-8,182.34	5,731.86	9,990.24	9,981.49	8.76	1,140.560		
600.00	600.00	565.00	565.00	1.93	8.94	144.99	-8,182.34	5,731.86	9,990.24	9,979.38	10.86	919.669		
700.00	700.00	665.00	665.00	2.29	10.68	144.99	-8,182.34	5,731.86	9,990.24	9,977.28	12.97	770.456		
800.00	800.00	765.00	765.00	2.64	12.43	144.99	-8,182.34	5,731.86	9,990.24	9,975.17	15.07	662.902		
900.00	900.00	865.00	865.00	3.00	14.17	144.99	-8,182.34	5,731.86	9,990.24	9,973.07	17.17	581.698		
1,000.00	1,000.00	965.00	965.00	3.36	15.92	144.99	-8,182.34	5,731.86	9,990.24	9,970.97	19.28	518.218		
1,100.00	1,100.00	1,065.00	1,065.00	3.72	17.66	144.99	-8,182.34	5,731.86	9,990.24	9,968.86	21.38	467.230		
1,200.00	1,199.98	1,164.98	1,164.98	4.07	19.41	93.93	-8,182.34	5,731.86	9,990.36	9,966.88	23.48	425.446		
1,300.00	1,299.84	1,264.84	1,264.84	4.43	21.15	93.95	-8,182.34	5,731.86	9,990.72	9,965.15	25.58	390.587		
1,400.00	1,399.45	1,364.45	1,364.45	4.79	22.89	93.99	-8,182.34	5,731.86	9,991.33	9,963.65	27.68	361.017		
1,500.00	1,498.70	1,463.70	1,463.70	5.15	24.62	94.04	-8,182.34	5,731.86	9,992.19	9,962.42	29.77	335.604		
1,600.00	1,597.47	1,562.47	1,562.47	5.53	26.35	94.11	-8,182.34	5,731.86	9,993.31	9,961.44	31.88	313.506		
1,700.00	1,695.62	1,660.62	1,660.62	5.93	28.06	94.18	-8,182.34	5,731.86	9,994.72	9,960.73	33.98	294.093		
1,800.00	1,793.06	1,758.06	1,758.06	6.35	29.76	94.28	-8,182.34	5,731.86	9,996.42	9,960.32	36.10	276.878		
1,900.00	1,889.64	1,854.64	1,854.64	6.79	31.44	94.38	-8,182.34	5,731.86	9,998.44	9,960.21	38.24	261.488		
9,200.00	7,630.00	5,020.00	5,020.00	58.30	86.69	-51.12	-8,182.34	5,731.86	9,912.26	9,772.57	139.69	70.960		
9,300.00	7,630.00	5,020.00	5,020.00	57.91	86.69	-51.12	-8,182.34	5,731.86	9,821.31	9,682.04	139.28	70.516		
9,400.00	7,630.00	5,020.00	5,020.00	57.54	86.69	-51.12	-8,182.34	5,731.86	9,730.55	9,591.68	138.86	70.072		
9,500.00	7,630.00	5,020.00	5,020.00	57.19	86.69	-51.12	-8,182.34	5,731.86	9,639.96	9,501.51	138.45	69.628		
9,600.00	7,630.00	5,020.00	5,020.00	56.87	86.69	-51.12	-8,182.34	5,731.86	9,549.56	9,411.53	138.03	69.182		
9,700.00	7,630.00	5,020.00	5,020.00	56.57	86.69	-51.12	-8,182.34	5,731.86	9,459.36	9,321.74	137.62	68.736		
9,800.00	7,630.00	5,020.00	5,020.00	56.30	86.69	-51.12	-8,182.34	5,731.86	9,369.35	9,232.15	137.20	68.289		
9,900.00	7,630.00	5,020.00	5,020.00	56.05	86.69	-51.12	-8,182.34	5,731.86	9,279.55	9,142.77	136.78	67.840		
10,000.00	7,630.00	5,020.00	5,020.00	55.82	86.69	-51.12	-8,182.34	5,731.86	9,189.96	9,053.59	136.37	67.391		
10,100.00	7,630.00	5,020.00	5,020.00	55.63	86.69	-51.12	-8,182.34	5,731.86	9,100.59	8,964.64	135.95	66.939		
10,200.00	7,630.00	5,020.00	5,020.00	55.46	86.69	-51.12	-8,182.34	5,731.86	9,011.44	8,875.90	135.54	66.486		
10,300.00	7,630.00	5,020.00	5,020.00	55.32	86.69	-51.12	-8,182.34	5,731.86	8,922.52	8,787.39	135.13	66.031		
10,400.00	7,630.00	5,020.00	5,020.00	55.22	86.69	-51.12	-8,182.34	5,731.86	8,833.83	8,699.12	134.72	65.574		
10,500.00	7,630.00	5,020.00	5,020.00	55.15	86.69	-51.12	-8,182.34	5,731.86	8,745.40	8,611.09	134.31	65.114		
10,600.00	7,630.00	5,020.00	5,020.00	55.14	86.69	-51.12	-8,182.34	5,731.86	8,657.21	8,523.30	133.91	64.652		
10,700.00	7,630.00	5,020.00	5,020.00	55.18	86.69	-51.12	-8,182.34	5,731.86	8,569.28	8,435.77	133.51	64.186		
10,800.00	7,630.00	5,020.00	5,020.00	55.28	86.69	-51.12	-8,182.34	5,731.86	8,481.62	8,348.51	133.11	63.717		
10,900.00	7,630.00	5,020.00	5,020.00	55.47	86.69	-51.12	-8,182.34	5,731.86	8,394.23	8,261.51	132.73	63.244		
11,000.00	7,630.00	5,020.00	5,020.00	55.74	86.69	-51.12	-8,182.34	5,731.86	8,307.13	8,174.79	132.35	62.767		
11,100.00	7,630.00	5,020.00	5,020.00	56.11	86.69	-51.12	-8,182.34	5,731.86	8,220.33	8,088.35	131.98	62.285		
11,200.00	7,630.00	5,020.00	5,020.00	56.60	86.69	-51.12	-8,182.34	5,731.86	8,133.83	8,002.21	131.62	61.798		
11,300.00	7,630.00	5,020.00	5,020.00	57.20	86.69	-51.12	-8,182.34	5,731.86	8,047.63	7,916.37	131.27	61.306		
11,400.00	7,630.00	5,020.00	5,020.00	57.91	86.69	-51.12	-8,182.34	5,731.86	7,961.77	7,830.83	130.93	60.808		
11,500.00	7,630.00	5,020.00	5,020.00	58.72	86.69	-51.12	-8,182.34	5,731.86	7,876.23	7,745.62	130.61	60.304		
11,600.00	7,630.00	5,020.00	5,020.00	59.63	86.69	-51.12	-8,182.34	5,731.86	7,791.04	7,660.74	130.30	59.792		
11,700.00	7,630.00	5,020.00	5,020.00	60.61	86.69	-51.12	-8,182.34	5,731.86	7,706.21	7,576.20	130.01	59.274		
11,800.00	7,630.00	5,020.00	5,020.00	61.67	86.69	-51.12	-8,182.34	5,731.86	7,621.74	7,492.00	129.74	58.747		
11,900.00	7,630.00	5,020.00	5,020.00	62.78	86.69	-51.12	-8,182.34	5,731.86	7,537.66	7,408.17	129.49	58.212		
12,000.00	7,630.00	5,020.00	5,020.00	63.95	86.69	-51.12	-8,182.34	5,731.86	7,453.96	7,324.71	129.26	57.667		
12,100.00	7,630.00	5,020.00	5,020.00	65.16	86.69	-51.12	-8,182.34	5,731.86	7,370.68	7,241.62	129.05	57.113		
12,200.00	7,630.00	5,020.00	5,020.00	66.41	86.69	-51.12	-8,182.34	5,731.86	7,287.81	7,158.94	128.88	56.549		
12,300.00	7,630.00	5,020.00	5,020.00	67.68	86.69	-51.12	-8,182.34	5,731.86	7,205.38	7,076.66	128.73	55.975		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
12,400.00	7,630.00	5,020.00	5,020.00	68.99	86.69	-51.12	-8,182.34	5,731.86	7,123.40	6,994.79	128.61	55.389		
12,500.00	7,630.00	5,020.00	5,020.00	70.33	86.69	-51.12	-8,182.34	5,731.86	7,041.88	6,913.36	128.52	54.792		
12,600.00	7,630.00	5,020.00	5,020.00	71.68	86.69	-51.12	-8,182.34	5,731.86	6,960.85	6,832.38	128.47	54.182		
12,700.00	7,630.00	5,020.00	5,020.00	73.06	86.69	-51.12	-8,182.34	5,731.86	6,880.32	6,751.86	128.46	53.561		
12,800.00	7,630.00	5,020.00	5,020.00	74.45	86.69	-51.12	-8,182.34	5,731.86	6,800.30	6,671.81	128.49	52.926		
12,900.00	7,630.00	5,020.00	5,020.00	75.87	86.69	-51.12	-8,182.34	5,731.86	6,720.82	6,592.26	128.56	52.279		
13,000.00	7,630.00	5,020.00	5,020.00	77.29	86.69	-51.12	-8,182.34	5,731.86	6,641.89	6,513.22	128.67	51.619		
13,100.00	7,630.00	5,020.00	5,020.00	78.74	86.69	-51.12	-8,182.34	5,731.86	6,563.54	6,434.70	128.83	50.946		
13,200.00	7,630.00	5,020.00	5,020.00	80.19	86.69	-51.12	-8,182.34	5,731.86	6,485.78	6,356.73	129.05	50.259		
13,300.00	7,630.00	5,020.00	5,020.00	81.66	86.69	-51.12	-8,182.34	5,731.86	6,408.64	6,279.33	129.31	49.560		
13,400.00	7,630.00	5,020.00	5,020.00	83.14	86.69	-51.12	-8,182.34	5,731.86	6,332.13	6,202.51	129.63	48.849		
13,500.00	7,630.00	5,020.00	5,020.00	84.63	86.69	-51.12	-8,182.34	5,731.86	6,256.30	6,126.30	130.00	48.125		
13,600.00	7,630.00	5,020.00	5,020.00	86.14	86.69	-51.12	-8,182.34	5,731.86	6,181.14	6,050.71	130.43	47.390		
13,700.00	7,630.00	5,020.00	5,020.00	87.65	86.69	-51.12	-8,182.34	5,731.86	6,106.71	5,975.78	130.92	46.644		
13,800.00	7,630.00	5,020.00	5,020.00	89.17	86.69	-51.12	-8,182.34	5,731.86	6,033.01	5,901.53	131.47	45.888		
13,900.00	7,630.00	5,020.00	5,020.00	90.70	86.69	-51.12	-8,182.34	5,731.86	5,960.07	5,827.99	132.09	45.122		
14,000.00	7,630.00	5,020.00	5,020.00	92.24	86.69	-51.12	-8,182.34	5,731.86	5,887.94	5,755.17	132.77	44.348		
14,100.00	7,630.00	5,020.00	5,020.00	93.78	86.69	-51.12	-8,182.34	5,731.86	5,816.62	5,683.11	133.51	43.567		
14,200.00	7,630.00	5,020.00	5,020.00	95.33	86.69	-51.12	-8,182.34	5,731.86	5,746.16	5,611.85	134.32	42.780		
14,300.00	7,630.00	5,020.00	5,020.00	96.89	86.69	-51.12	-8,182.34	5,731.86	5,676.59	5,541.40	135.20	41.988		
14,400.00	7,630.00	5,020.00	5,020.00	98.46	86.69	-51.12	-8,182.34	5,731.86	5,607.94	5,471.80	136.14	41.193		
14,500.00	7,630.00	5,020.00	5,020.00	100.03	86.69	-51.12	-8,182.34	5,731.86	5,540.25	5,403.10	137.15	40.395		
14,600.00	7,630.00	5,020.00	5,020.00	101.61	86.69	-51.12	-8,182.34	5,731.86	5,473.54	5,335.31	138.23	39.597		
14,700.00	7,630.00	5,020.00	5,020.00	103.20	86.69	-51.12	-8,182.34	5,731.86	5,407.86	5,268.48	139.38	38.800		
14,800.00	7,630.00	5,020.00	5,020.00	104.78	86.69	-51.12	-8,182.34	5,731.86	5,343.25	5,202.65	140.59	38.005		
14,900.00	7,630.00	5,020.00	5,020.00	106.38	86.69	-51.12	-8,182.34	5,731.86	5,279.73	5,137.86	141.88	37.214		
15,000.00	7,630.00	5,020.00	5,020.00	107.98	86.69	-51.12	-8,182.34	5,731.86	5,217.36	5,074.14	143.23	36.427		
15,100.00	7,630.00	5,020.00	5,020.00	109.58	86.69	-51.12	-8,182.34	5,731.86	5,156.18	5,011.54	144.64	35.647		
15,200.00	7,630.00	5,020.00	5,020.00	111.19	86.69	-51.12	-8,182.34	5,731.86	5,096.23	4,950.10	146.13	34.875		
15,300.00	7,630.00	5,020.00	5,020.00	112.81	86.69	-51.12	-8,182.34	5,731.86	5,037.54	4,889.87	147.67	34.113		
15,400.00	7,630.00	5,020.00	5,020.00	114.42	86.69	-51.12	-8,182.34	5,731.86	4,980.17	4,830.89	149.29	33.360		
15,500.00	7,630.00	5,020.00	5,020.00	116.05	86.69	-51.12	-8,182.34	5,731.86	4,924.17	4,773.21	150.96	32.619		
15,600.00	7,630.00	5,020.00	5,020.00	117.67	86.69	-51.12	-8,182.34	5,731.86	4,869.57	4,716.88	152.69	31.891		
15,700.00	7,630.00	5,020.00	5,020.00	119.30	86.69	-51.12	-8,182.34	5,731.86	4,816.44	4,661.95	154.49	31.177		
15,800.00	7,630.00	5,020.00	5,020.00	120.93	86.69	-51.12	-8,182.34	5,731.86	4,764.81	4,608.47	156.34	30.477		
15,900.00	7,630.00	5,020.00	5,020.00	122.57	86.69	-51.12	-8,182.34	5,731.86	4,714.73	4,556.48	158.25	29.794		
16,000.00	7,630.00	5,020.00	5,020.00	124.21	86.69	-51.12	-8,182.34	5,731.86	4,666.26	4,506.06	160.21	29.127		
16,100.00	7,630.00	5,020.00	5,020.00	125.85	86.69	-51.12	-8,182.34	5,731.86	4,619.45	4,457.23	162.22	28.477		
16,200.00	7,630.00	5,020.00	5,020.00	127.50	86.69	-51.12	-8,182.34	5,731.86	4,574.34	4,410.07	164.27	27.846		
16,300.00	7,630.00	5,020.00	5,020.00	129.15	86.69	-51.12	-8,182.34	5,731.86	4,531.00	4,364.62	166.38	27.233		
16,400.00	7,630.00	5,020.00	5,020.00	130.80	86.69	-51.12	-8,182.34	5,731.86	4,489.46	4,320.94	168.52	26.640		
16,500.00	7,630.00	5,020.00	5,020.00	132.46	86.69	-51.12	-8,182.34	5,731.86	4,449.78	4,279.08	170.70	26.067		
16,600.00	7,630.00	5,020.00	5,020.00	134.11	86.69	-51.12	-8,182.34	5,731.86	4,412.01	4,239.09	172.92	25.514		
16,700.00	7,630.00	5,020.00	5,020.00	135.77	86.69	-51.12	-8,182.34	5,731.86	4,376.20	4,201.03	175.17	24.982		
16,800.00	7,630.00	5,020.00	5,020.00	137.43	86.69	-51.12	-8,182.34	5,731.86	4,342.40	4,164.95	177.45	24.471		
16,900.00	7,630.00	5,020.00	5,020.00	139.10	86.69	-51.12	-8,182.34	5,731.86	4,310.66	4,130.91	179.75	23.981		
17,000.00	7,630.00	5,020.00	5,020.00	140.77	86.69	-51.12	-8,182.34	5,731.86	4,281.02	4,098.94	182.07	23.513		
17,100.00	7,630.00	5,020.00	5,020.00	142.44	86.69	-51.12	-8,182.34	5,731.86	4,253.52	4,069.11	184.41	23.066		
17,200.00	7,630.00	5,020.00	5,020.00	144.11	86.69	-51.12	-8,182.34	5,731.86	4,228.20	4,041.45	186.75	22.641		
17,300.00	7,630.00	5,020.00	5,020.00	145.78	86.69	-51.12	-8,182.34	5,731.86	4,205.12	4,016.02	189.10	22.237		
17,400.00	7,630.00	5,020.00	5,020.00	147.46	86.69	-51.12	-8,182.34	5,731.86	4,184.30	3,992.84	191.45	21.855		
17,500.00	7,630.00	5,020.00	5,020.00	149.13	86.69	-51.12	-8,182.34	5,731.86	4,165.77	3,971.97	193.80	21.495		

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



## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<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	
17,600.00	7,630.00	5,020.00	5,020.00	150.81	86.69	-51.12	-8,182.34	5,731.86	4,149.57	3,953.44	196.14	21.157	
17,700.00	7,630.00	5,020.00	5,020.00	152.49	86.69	-51.12	-8,182.34	5,731.86	4,135.73	3,937.27	198.46	20.839	
17,800.00	7,630.00	5,020.00	5,020.00	154.18	86.69	-51.12	-8,182.34	5,731.86	4,124.27	3,923.51	200.76	20.543	
17,900.00	7,630.00	5,020.00	5,020.00	155.86	86.69	-51.12	-8,182.34	5,731.86	4,115.20	3,912.17	203.04	20.268	
18,000.00	7,630.00	5,020.00	5,020.00	157.55	86.69	-51.12	-8,182.34	5,731.86	4,108.55	3,903.27	205.28	20.014	
18,100.00	7,630.00	5,020.00	5,020.00	159.24	86.69	-51.12	-8,182.34	5,731.86	4,104.33	3,896.83	207.49	19.780	
18,200.00	7,630.00	5,020.00	5,020.00	160.92	86.69	-51.12	-8,182.34	5,731.86	4,102.54	3,892.87	209.67	19.567	
18,223.45	7,630.00	5,020.00	5,020.00	161.32	86.69	-51.12	-8,182.34	5,731.86	4,102.47	3,892.30	210.17	19.520 CC	
18,300.00	7,630.00	5,020.00	5,020.00	162.62	86.69	-51.12	-8,182.34	5,731.86	4,103.18	3,891.39	211.79	19.373 ES	
18,400.00	7,630.00	5,020.00	5,020.00	164.31	86.69	-51.12	-8,182.34	5,731.86	4,106.27	3,892.39	213.87	19.199	
18,458.39	7,630.00	5,020.00	5,020.00	165.30	86.69	-51.12	-8,182.34	5,731.86	4,109.19	3,894.13	215.06	19.107 SF	



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
0.00	0.00	0.00	0.00	0.00	0.00	161.81	-5,565.89	1,828.83	5,858.73					
100.00	100.00	69.00	69.00	0.13	0.56	161.81	-5,565.89	1,828.83	5,858.65	5,857.96	0.69	8,436.795		
200.00	200.00	169.00	169.00	0.49	2.02	161.81	-5,565.89	1,828.83	5,858.65	5,856.14	2.51	2,335.282		
300.00	300.00	269.00	269.00	0.85	3.76	161.81	-5,565.89	1,828.83	5,858.65	5,854.04	4.61	1,270.153		
400.00	400.00	369.00	369.00	1.21	5.51	161.81	-5,565.89	1,828.83	5,858.65	5,851.93	6.72	872.296		
500.00	500.00	469.00	469.00	1.57	7.25	161.81	-5,565.89	1,828.83	5,858.65	5,849.83	8.82	664.234		
600.00	600.00	569.00	569.00	1.93	9.00	161.81	-5,565.89	1,828.83	5,858.65	5,847.73	10.92	536.312		
700.00	700.00	669.00	669.00	2.29	10.74	161.81	-5,565.89	1,828.83	5,858.65	5,845.62	13.03	449.705		
800.00	800.00	769.00	769.00	2.64	12.49	161.81	-5,565.89	1,828.83	5,858.65	5,843.52	15.13	387.181		
900.00	900.00	869.00	869.00	3.00	14.23	161.81	-5,565.89	1,828.83	5,858.65	5,841.41	17.24	339.920		
1,000.00	1,000.00	969.00	969.00	3.36	15.98	161.81	-5,565.89	1,828.83	5,858.65	5,839.31	19.34	302.942		
1,100.00	1,100.00	1,069.00	1,069.00	3.72	17.72	161.81	-5,565.89	1,828.83	5,858.65	5,837.21	21.44	273.220		
1,200.00	1,199.98	1,168.98	1,168.98	4.07	19.47	110.75	-5,565.89	1,828.83	5,859.27	5,835.72	23.54	248.871		
1,300.00	1,299.84	1,268.84	1,268.84	4.43	21.21	110.76	-5,565.89	1,828.83	5,861.13	5,835.48	25.64	228.587		
1,400.00	1,399.45	1,368.45	1,368.45	4.79	22.95	110.78	-5,565.89	1,828.83	5,864.23	5,836.49	27.74	211.415		
1,500.00	1,498.70	1,467.70	1,467.70	5.15	24.68	110.81	-5,565.89	1,828.83	5,868.58	5,838.75	29.84	196.693		
1,600.00	1,597.47	1,566.47	1,566.47	5.53	26.41	110.85	-5,565.89	1,828.83	5,874.21	5,842.27	31.94	183.930		
1,700.00	1,695.62	1,664.62	1,664.62	5.93	28.12	110.89	-5,565.89	1,828.83	5,881.11	5,847.07	34.04	172.755		
1,800.00	1,793.06	1,762.06	1,762.06	6.35	29.82	110.93	-5,565.89	1,828.83	5,889.33	5,853.17	36.16	162.884		
1,900.00	1,889.64	1,858.64	1,858.64	6.79	31.51	110.98	-5,565.89	1,828.83	5,898.87	5,860.59	38.28	154.098		
2,000.00	1,985.27	1,954.27	1,954.27	7.27	33.17	111.03	-5,565.89	1,828.83	5,909.76	5,869.35	40.42	146.223		
2,100.00	2,079.82	2,048.82	2,048.82	7.79	34.82	111.08	-5,565.89	1,828.83	5,922.04	5,879.48	42.57	139.123		
2,200.00	2,173.17	2,142.17	2,142.17	8.36	36.45	111.13	-5,565.89	1,828.83	5,935.74	5,891.00	44.73	132.687		
2,300.00	2,265.21	2,234.21	2,234.21	8.97	38.06	111.17	-5,565.89	1,828.83	5,950.88	5,903.96	46.92	126.828		
2,400.00	2,355.84	2,324.84	2,324.84	9.64	39.64	111.20	-5,565.89	1,828.83	5,967.50	5,918.37	49.13	121.473		
2,500.00	2,444.94	2,413.94	2,413.94	10.36	41.20	111.23	-5,565.89	1,828.83	5,985.63	5,934.28	51.35	116.563		
2,591.69	2,525.19	2,505.81	2,494.19	11.07	42.80	111.24	-5,565.89	1,828.83	6,003.62	5,950.01	53.61	111.985		
2,600.00	2,532.40	2,501.40	2,501.40	11.14	42.72	111.27	-5,565.89	1,828.83	6,005.31	5,951.72	53.60	112.049		
2,700.00	2,619.15	2,588.15	2,588.15	11.96	44.24	111.66	-5,565.89	1,828.83	6,025.85	5,970.00	55.86	107.877		
2,800.00	2,705.89	2,674.89	2,674.89	12.81	45.75	112.05	-5,565.89	1,828.83	6,046.73	5,988.60	58.14	104.008		
2,900.00	2,792.64	2,761.64	2,761.64	13.67	47.27	112.44	-5,565.89	1,828.83	6,067.95	6,007.52	60.43	100.414		
3,000.00	2,879.39	2,848.39	2,848.39	14.55	48.78	112.82	-5,565.89	1,828.83	6,089.50	6,026.77	62.73	97.075		
3,100.00	2,966.14	2,935.14	2,935.14	15.44	50.29	113.20	-5,565.89	1,828.83	6,111.37	6,046.33	65.04	93.966		
3,200.00	3,052.88	3,021.88	3,021.88	16.34	51.81	113.58	-5,565.89	1,828.83	6,133.57	6,066.22	67.35	91.069		
3,300.00	3,139.63	3,108.63	3,108.63	17.25	53.32	113.96	-5,565.89	1,828.83	6,156.10	6,086.43	69.67	88.365		
3,400.00	3,226.38	3,204.62	3,195.38	18.17	55.00	114.34	-5,565.89	1,828.83	6,178.94	6,106.79	72.15	85.644		
3,500.00	3,313.12	3,282.12	3,282.12	19.09	56.35	114.71	-5,565.89	1,828.83	6,202.10	6,127.79	74.30	83.468		
3,600.00	3,399.87	3,368.87	3,368.87	20.02	57.86	115.08	-5,565.89	1,828.83	6,225.57	6,148.94	76.62	81.247		
3,700.00	3,486.62	3,455.62	3,455.62	20.96	59.38	115.45	-5,565.89	1,828.83	6,249.34	6,170.40	78.94	79.162		
3,800.00	3,573.37	3,542.37	3,542.37	21.90	60.89	115.82	-5,565.89	1,828.83	6,273.43	6,192.16	81.26	77.200		
3,900.00	3,660.11	3,629.11	3,629.11	22.84	62.41	116.18	-5,565.89	1,828.83	6,297.81	6,214.23	83.58	75.352		
4,000.00	3,746.86	3,715.86	3,715.86	23.78	63.92	116.55	-5,565.89	1,828.83	6,322.49	6,236.59	85.89	73.609		
4,100.00	3,833.61	3,802.61	3,802.61	24.73	65.43	116.91	-5,565.89	1,828.83	6,347.46	6,259.25	88.21	71.962		
4,200.00	3,920.35	3,889.35	3,889.35	25.68	66.95	117.26	-5,565.89	1,828.83	6,372.72	6,282.21	90.51	70.405		
4,300.00	4,007.10	3,976.10	3,976.10	26.63	68.46	117.62	-5,565.89	1,828.83	6,398.28	6,305.45	92.82	68.931		
4,400.00	4,093.85	4,062.85	4,062.85	27.59	69.98	117.97	-5,565.89	1,828.83	6,424.11	6,328.99	95.12	67.534		
4,500.00	4,180.60	4,149.60	4,149.60	28.55	71.49	118.32	-5,565.89	1,828.83	6,450.22	6,352.80	97.42	66.208		
4,600.00	4,267.34	4,236.34	4,236.34	29.50	73.00	118.67	-5,565.89	1,828.83	6,476.62	6,376.90	99.72	64.948		
4,700.00	4,354.09	4,323.09	4,323.09	30.46	74.52	119.02	-5,565.89	1,828.83	6,503.28	6,401.27	102.01	63.749		
4,800.00	4,440.84	4,409.84	4,409.84	31.42	76.03	119.36	-5,565.89	1,828.83	6,530.22	6,425.91	104.30	62.609		
4,900.00	4,527.58	4,503.42	4,496.58	32.39	77.67	119.70	-5,565.89	1,828.83	6,557.42	6,450.71	106.71	61.453		
5,000.00	4,614.33	4,583.33	4,583.33	33.35	79.06	120.04	-5,565.89	1,828.83	6,584.88	6,476.02	108.87	60.485		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
5,100.00	4,701.08	4,670.08	4,670.08	34.31	80.57	120.38	-5,565.89	1,828.83	6,612.61	6,501.47	111.14	59.496		
5,200.00	4,787.82	4,756.82	4,756.82	35.28	82.09	120.71	-5,565.89	1,828.83	6,640.59	6,527.18	113.42	58.550		
5,300.00	4,874.57	4,843.57	4,843.57	36.25	83.60	121.05	-5,565.89	1,828.83	6,668.83	6,553.14	115.69	57.646		
5,400.00	4,961.32	4,930.32	4,930.32	37.21	85.12	121.38	-5,565.89	1,828.83	6,697.32	6,579.37	117.95	56.781		
5,500.00	5,048.07	5,017.07	5,017.07	38.18	86.63	121.70	-5,565.89	1,828.83	6,726.05	6,605.84	120.21	55.953		
5,600.00	5,134.81	5,103.81	5,103.81	39.15	88.14	122.03	-5,565.89	1,828.83	6,755.03	6,632.56	122.47	55.159		
5,700.00	5,221.56	5,125.00	5,125.00	40.12	88.51	122.11	-5,565.89	1,828.83	6,784.57	6,661.03	123.54	54.919		
5,800.00	5,308.31	5,125.00	5,125.00	41.09	88.51	122.11	-5,565.89	1,828.83	6,815.41	6,691.20	124.20	54.873		
5,900.00	5,395.05	5,125.00	5,125.00	42.06	88.51	122.11	-5,565.89	1,828.83	6,847.57	6,722.73	124.85	54.848		
6,000.00	5,481.80	5,125.00	5,125.00	43.03	88.51	122.11	-5,565.89	1,828.83	6,881.04	6,755.58	125.46	54.845		
6,100.00	5,568.55	5,125.00	5,125.00	44.00	88.51	122.11	-5,565.89	1,828.83	6,915.79	6,789.74	126.06	54.863		
6,200.00	5,655.30	5,125.00	5,125.00	44.97	88.51	122.11	-5,565.89	1,828.83	6,951.81	6,825.18	126.62	54.902		
6,300.00	5,742.04	5,125.00	5,125.00	45.94	88.51	122.11	-5,565.89	1,828.83	6,989.07	6,861.90	127.17	54.960		
6,400.00	5,828.79	5,125.00	5,125.00	46.92	88.51	122.11	-5,565.89	1,828.83	7,027.56	6,899.87	127.69	55.037		
6,500.00	5,915.54	5,125.00	5,125.00	47.89	88.51	122.11	-5,565.89	1,828.83	7,067.25	6,939.06	128.18	55.134		
6,600.00	6,002.28	5,125.00	5,125.00	48.86	88.51	122.11	-5,565.89	1,828.83	7,108.13	6,979.47	128.66	55.248		
6,700.00	6,089.03	5,125.00	5,125.00	49.83	88.51	122.11	-5,565.89	1,828.83	7,150.17	7,021.06	129.11	55.380		
6,800.00	6,175.78	5,125.00	5,125.00	50.81	88.51	122.11	-5,565.89	1,828.83	7,193.36	7,063.82	129.54	55.529		
6,900.00	6,262.53	5,125.00	5,125.00	51.78	88.51	122.11	-5,565.89	1,828.83	7,237.67	7,107.72	129.95	55.695		
7,000.00	6,349.27	5,125.00	5,125.00	52.76	88.51	122.11	-5,565.89	1,828.83	7,283.08	7,152.74	130.34	55.877		
7,100.00	6,436.02	5,125.00	5,125.00	53.73	88.51	122.11	-5,565.89	1,828.83	7,329.58	7,198.87	130.71	56.075		
7,200.00	6,522.77	5,125.00	5,125.00	54.71	88.51	122.11	-5,565.89	1,828.83	7,377.14	7,246.08	131.06	56.288		
7,300.00	6,609.51	5,125.00	5,125.00	55.68	88.51	122.11	-5,565.89	1,828.83	7,425.74	7,294.35	131.39	56.516		
7,400.00	6,696.26	5,125.00	5,125.00	56.66	88.51	122.11	-5,565.89	1,828.83	7,475.37	7,343.66	131.70	56.759		
7,500.00	6,783.01	5,125.00	5,125.00	57.63	88.51	122.11	-5,565.89	1,828.83	7,525.99	7,394.00	132.00	57.015		
7,600.00	6,869.76	5,125.00	5,125.00	58.61	88.51	122.11	-5,565.89	1,828.83	7,577.60	7,445.32	132.28	57.285		
7,683.49	6,942.18	5,125.00	5,125.00	59.42	88.51	122.11	-5,565.89	1,828.83	7,621.43	7,488.93	132.50	57.521		
7,700.00	6,956.57	5,125.00	5,125.00	59.58	88.51	119.73	-5,565.89	1,828.83	7,629.97	7,497.43	132.54	57.567		
7,750.00	7,000.85	5,125.00	5,125.00	60.04	88.51	111.50	-5,565.89	1,828.83	7,653.48	7,520.82	132.66	57.692		
7,800.00	7,045.94	5,125.00	5,125.00	60.46	88.51	101.78	-5,565.89	1,828.83	7,673.33	7,540.55	132.78	57.792		
7,850.00	7,091.49	5,125.00	5,125.00	60.84	88.51	90.97	-5,565.89	1,828.83	7,689.40	7,556.52	132.88	57.868		
7,900.00	7,137.15	5,125.00	5,125.00	61.17	88.51	79.85	-5,565.89	1,828.83	7,701.59	7,568.63	132.96	57.922		
7,950.00	7,182.58	5,125.00	5,125.00	61.44	88.51	69.29	-5,565.89	1,828.83	7,709.83	7,576.80	133.03	57.955		
8,000.00	7,227.43	5,125.00	5,125.00	61.67	88.51	59.96	-5,565.89	1,828.83	7,714.06	7,580.98	133.08	57.967		
8,050.00	7,271.36	5,125.00	5,125.00	61.84	88.51	52.11	-5,565.89	1,828.83	7,714.26	7,581.16	133.10	57.959		
8,100.00	7,314.04	5,125.00	5,125.00	61.96	88.51	45.68	-5,565.89	1,828.83	7,710.44	7,577.34	133.10	57.930		
8,150.00	7,355.14	5,125.00	5,125.00	62.04	88.51	40.48	-5,565.89	1,828.83	7,702.61	7,569.53	133.08	57.880		
8,200.00	7,394.34	5,125.00	5,125.00	62.07	88.51	36.27	-5,565.89	1,828.83	7,690.81	7,557.77	133.04	57.809		
8,250.00	7,431.36	5,125.00	5,125.00	62.06	88.51	32.85	-5,565.89	1,828.83	7,675.13	7,542.15	132.98	57.717		
8,300.00	7,465.90	5,125.00	5,125.00	62.01	88.51	30.05	-5,565.89	1,828.83	7,655.66	7,522.76	132.90	57.604		
8,350.00	7,497.71	5,125.00	5,125.00	61.93	88.51	27.74	-5,565.89	1,828.83	7,632.51	7,499.70	132.81	57.469		
8,400.00	7,526.53	5,125.00	5,125.00	61.81	88.51	25.81	-5,565.89	1,828.83	7,605.84	7,473.13	132.71	57.312		
8,450.00	7,552.17	5,125.00	5,125.00	61.66	88.51	24.17	-5,565.89	1,828.83	7,575.81	7,443.21	132.60	57.135		
8,500.00	7,574.41	5,125.00	5,125.00	61.48	88.51	22.77	-5,565.89	1,828.83	7,542.60	7,410.12	132.48	56.936		
8,550.00	7,593.09	5,125.00	5,125.00	61.29	88.51	21.53	-5,565.89	1,828.83	7,506.43	7,374.08	132.35	56.716		
8,600.00	7,608.07	5,125.00	5,125.00	61.07	88.51	20.40	-5,565.89	1,828.83	7,467.54	7,335.31	132.23	56.476		
8,650.00	7,619.23	5,125.00	5,125.00	60.84	88.51	19.30	-5,565.89	1,828.83	7,426.18	7,294.08	132.10	56.216		
8,700.00	7,626.48	5,125.00	5,125.00	60.60	88.51	18.14	-5,565.89	1,828.83	7,382.62	7,250.64	131.98	55.936		
8,750.00	7,629.78	5,125.00	5,125.00	60.35	88.51	16.74	-5,565.89	1,828.83	7,337.17	7,205.30	131.87	55.639		
8,766.45	7,630.00	5,125.00	5,125.00	60.27	88.51	16.19	-5,565.89	1,828.83	7,321.86	7,190.02	131.84	55.536		
8,800.00	7,630.00	5,125.00	5,125.00	60.10	88.51	16.19	-5,565.89	1,828.83	7,290.46	7,158.69	131.77	55.328		
8,900.00	7,630.00	5,125.00	5,125.00	59.61	88.51	16.19	-5,565.89	1,828.83	7,197.00	7,065.44	131.55	54.708		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
9,000.00	7,630.00	5,125.00	5,125.00	59.15	88.51	16.19	-5,565.89	1,828.83	7,103.71	6,972.38	131.33	54.090		
9,100.00	7,630.00	5,125.00	5,125.00	58.71	88.51	16.19	-5,565.89	1,828.83	7,010.61	6,879.51	131.10	53.474		
9,200.00	7,630.00	5,125.00	5,125.00	58.30	88.51	16.19	-5,565.89	1,828.83	6,917.71	6,786.83	130.87	52.859		
9,300.00	7,630.00	5,125.00	5,125.00	57.91	88.51	16.19	-5,565.89	1,828.83	6,825.00	6,694.37	130.63	52.245		
9,400.00	7,630.00	5,125.00	5,125.00	57.54	88.51	16.19	-5,565.89	1,828.83	6,732.50	6,602.11	130.39	51.633		
9,500.00	7,630.00	5,125.00	5,125.00	57.19	88.51	16.19	-5,565.89	1,828.83	6,640.22	6,510.08	130.14	51.023		
9,600.00	7,630.00	5,125.00	5,125.00	56.87	88.51	16.19	-5,565.89	1,828.83	6,548.17	6,418.29	129.88	50.415		
9,700.00	7,630.00	5,125.00	5,125.00	56.57	88.51	16.19	-5,565.89	1,828.83	6,456.35	6,326.73	129.62	49.809		
9,800.00	7,630.00	5,125.00	5,125.00	56.30	88.51	16.19	-5,565.89	1,828.83	6,364.79	6,235.43	129.35	49.205		
9,900.00	7,630.00	5,125.00	5,125.00	56.05	88.51	16.19	-5,565.89	1,828.83	6,273.47	6,144.40	129.07	48.604		
10,000.00	7,630.00	5,125.00	5,125.00	55.82	88.51	16.19	-5,565.89	1,828.83	6,182.43	6,053.64	128.79	48.004		
10,100.00	7,630.00	5,125.00	5,125.00	55.63	88.51	16.19	-5,565.89	1,828.83	6,091.67	5,963.17	128.50	47.407		
10,200.00	7,630.00	5,125.00	5,125.00	55.46	88.51	16.19	-5,565.89	1,828.83	6,001.20	5,873.00	128.20	46.812		
10,300.00	7,630.00	5,125.00	5,125.00	55.32	88.51	16.19	-5,565.89	1,828.83	5,911.04	5,783.15	127.89	46.220		
10,400.00	7,630.00	5,125.00	5,125.00	55.22	88.51	16.19	-5,565.89	1,828.83	5,821.20	5,693.62	127.57	45.631		
10,500.00	7,630.00	5,125.00	5,125.00	55.15	88.51	16.19	-5,565.89	1,828.83	5,731.69	5,604.45	127.25	45.044		
10,600.00	7,630.00	5,125.00	5,125.00	55.14	88.51	16.19	-5,565.89	1,828.83	5,642.54	5,515.63	126.91	44.461		
10,700.00	7,630.00	5,125.00	5,125.00	55.18	88.51	16.19	-5,565.89	1,828.83	5,553.76	5,427.19	126.56	43.881		
10,800.00	7,630.00	5,125.00	5,125.00	55.28	88.51	16.19	-5,565.89	1,828.83	5,465.36	5,339.15	126.21	43.304		
10,900.00	7,630.00	5,125.00	5,125.00	55.47	88.51	16.19	-5,565.89	1,828.83	5,377.38	5,251.53	125.84	42.731		
11,000.00	7,630.00	5,125.00	5,125.00	55.74	88.51	16.19	-5,565.89	1,828.83	5,289.81	5,164.35	125.47	42.161		
11,100.00	7,630.00	5,125.00	5,125.00	56.11	88.51	16.19	-5,565.89	1,828.83	5,202.70	5,077.62	125.08	41.595		
11,200.00	7,630.00	5,125.00	5,125.00	56.60	88.51	16.19	-5,565.89	1,828.83	5,116.06	4,991.38	124.68	41.033		
11,300.00	7,630.00	5,125.00	5,125.00	57.20	88.51	16.19	-5,565.89	1,828.83	5,029.92	4,905.64	124.27	40.475		
11,400.00	7,630.00	5,125.00	5,125.00	57.91	88.51	16.19	-5,565.89	1,828.83	4,944.29	4,820.44	123.85	39.922		
11,500.00	7,630.00	5,125.00	5,125.00	58.72	88.51	16.19	-5,565.89	1,828.83	4,859.22	4,735.80	123.41	39.374		
11,600.00	7,630.00	5,125.00	5,125.00	59.63	88.51	16.19	-5,565.89	1,828.83	4,774.72	4,651.76	122.96	38.830		
11,700.00	7,630.00	5,125.00	5,125.00	60.61	88.51	16.19	-5,565.89	1,828.83	4,690.83	4,568.33	122.50	38.292		
11,800.00	7,630.00	5,125.00	5,125.00	61.67	88.51	16.19	-5,565.89	1,828.83	4,607.59	4,485.57	122.03	37.759		
11,900.00	7,630.00	5,125.00	5,125.00	62.78	88.51	16.19	-5,565.89	1,828.83	4,525.03	4,403.49	121.54	37.232		
12,000.00	7,630.00	5,125.00	5,125.00	63.95	88.51	16.19	-5,565.89	1,828.83	4,443.18	4,322.15	121.03	36.711		
12,100.00	7,630.00	5,125.00	5,125.00	65.16	88.51	16.19	-5,565.89	1,828.83	4,362.09	4,241.58	120.51	36.197		
12,200.00	7,630.00	5,125.00	5,125.00	66.41	88.51	16.19	-5,565.89	1,828.83	4,281.80	4,161.82	119.97	35.689		
12,300.00	7,630.00	5,125.00	5,125.00	67.68	88.51	16.19	-5,565.89	1,828.83	4,202.35	4,082.93	119.42	35.189		
12,400.00	7,630.00	5,125.00	5,125.00	68.99	88.51	16.19	-5,565.89	1,828.83	4,123.80	4,004.95	118.85	34.697		
12,500.00	7,630.00	5,125.00	5,125.00	70.33	88.51	16.19	-5,565.89	1,828.83	4,046.20	3,927.93	118.27	34.212		
12,600.00	7,630.00	5,125.00	5,125.00	71.68	88.51	16.19	-5,565.89	1,828.83	3,969.59	3,851.93	117.66	33.737		
12,700.00	7,630.00	5,125.00	5,125.00	73.06	88.51	16.19	-5,565.89	1,828.83	3,894.05	3,777.01	117.04	33.270		
12,800.00	7,630.00	5,125.00	5,125.00	74.45	88.51	16.19	-5,565.89	1,828.83	3,819.63	3,703.23	116.40	32.814		
12,900.00	7,630.00	5,125.00	5,125.00	75.87	88.51	16.19	-5,565.89	1,828.83	3,746.41	3,630.66	115.75	32.368		
13,000.00	7,630.00	5,125.00	5,125.00	77.29	88.51	16.19	-5,565.89	1,828.83	3,674.45	3,559.38	115.07	31.933		
13,100.00	7,630.00	5,125.00	5,125.00	78.74	88.51	16.19	-5,565.89	1,828.83	3,603.82	3,489.45	114.37	31.510		
13,200.00	7,630.00	5,125.00	5,125.00	80.19	88.51	16.19	-5,565.89	1,828.83	3,534.61	3,420.96	113.66	31.099		
13,300.00	7,630.00	5,125.00	5,125.00	81.66	88.51	16.19	-5,565.89	1,828.83	3,466.91	3,353.99	112.92	30.703		
13,400.00	7,630.00	5,125.00	5,125.00	83.14	88.51	16.19	-5,565.89	1,828.83	3,400.80	3,288.64	112.16	30.320		
13,500.00	7,630.00	5,125.00	5,125.00	84.63	88.51	16.19	-5,565.89	1,828.83	3,336.38	3,224.99	111.38	29.954		
13,600.00	7,630.00	5,125.00	5,125.00	86.14	88.51	16.19	-5,565.89	1,828.83	3,273.74	3,163.15	110.59	29.604		
13,700.00	7,630.00	5,125.00	5,125.00	87.65	88.51	16.19	-5,565.89	1,828.83	3,213.00	3,103.23	109.77	29.271		
13,800.00	7,630.00	5,125.00	5,125.00	89.17	88.51	16.19	-5,565.89	1,828.83	3,154.25	3,045.33	108.93	28.957		
13,900.00	7,630.00	5,125.00	5,125.00	90.70	88.51	16.19	-5,565.89	1,828.83	3,097.63	2,989.56	108.07	28.663		
14,000.00	7,630.00	5,125.00	5,125.00	92.24	88.51	16.19	-5,565.89	1,828.83	3,043.23	2,936.04	107.19	28.390		
14,100.00	7,630.00	5,125.00	5,125.00	93.78	88.51	16.19	-5,565.89	1,828.83	2,991.19	2,884.89	106.30	28.138		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
14,200.00	7,630.00	5,125.00	5,125.00	95.33	88.51	16.19	-5,565.89	1,828.83	2,941.63	2,836.23	105.40	27.909		
14,300.00	7,630.00	5,125.00	5,125.00	96.89	88.51	16.19	-5,565.89	1,828.83	2,894.68	2,790.19	104.49	27.704		
14,400.00	7,630.00	5,125.00	5,125.00	98.46	88.51	16.19	-5,565.89	1,828.83	2,850.46	2,746.89	103.57	27.521		
14,500.00	7,630.00	5,125.00	5,125.00	100.03	88.51	16.19	-5,565.89	1,828.83	2,809.11	2,706.45	102.67	27.362		
14,600.00	7,630.00	5,125.00	5,125.00	101.61	88.51	16.19	-5,565.89	1,828.83	2,770.76	2,668.98	101.78	27.224		
14,700.00	7,630.00	5,125.00	5,125.00	103.20	88.51	16.19	-5,565.89	1,828.83	2,735.52	2,634.60	100.92	27.107		
14,800.00	7,630.00	5,125.00	5,125.00	104.78	88.51	16.19	-5,565.89	1,828.83	2,703.52	2,603.41	100.11	27.007		
14,900.00	7,630.00	5,125.00	5,125.00	106.38	88.51	16.19	-5,565.89	1,828.83	2,674.88	2,575.51	99.37	26.919		
15,000.00	7,630.00	5,125.00	5,125.00	107.98	88.51	16.19	-5,565.89	1,828.83	2,649.71	2,550.98	98.73	26.837		
15,100.00	7,630.00	5,125.00	5,125.00	109.58	88.51	16.19	-5,565.89	1,828.83	2,628.11	2,529.88	98.23	26.755		
15,200.00	7,630.00	5,125.00	5,125.00	111.19	88.51	16.19	-5,565.89	1,828.83	2,610.15	2,512.26	97.90	26.662		
15,300.00	7,630.00	5,125.00	5,125.00	112.81	88.51	16.19	-5,565.89	1,828.83	2,595.94	2,498.16	97.78	26.550		
15,400.00	7,630.00	5,125.00	5,125.00	114.42	88.51	16.19	-5,565.89	1,828.83	2,585.51	2,487.60	97.91	26.407		
15,500.00	7,630.00	5,125.00	5,125.00	116.05	88.51	16.19	-5,565.89	1,828.83	2,578.92	2,480.59	98.33	26.228		
15,600.00	7,630.00	5,125.00	5,125.00	117.67	88.51	16.19	-5,565.89	1,828.83	2,576.20	2,477.15	99.05	26.009		
15,620.15	7,630.00	5,125.00	5,125.00	118.00	88.51	16.19	-5,565.89	1,828.83	2,576.12	2,476.88	99.23	25.960 CC, ES		
15,700.00	7,630.00	5,125.00	5,125.00	119.30	88.51	16.19	-5,565.89	1,828.83	2,577.36	2,477.27	100.09	25.751		
15,800.00	7,630.00	5,125.00	5,125.00	120.93	88.51	16.19	-5,565.89	1,828.83	2,582.39	2,480.96	101.43	25.460		
15,900.00	7,630.00	5,125.00	5,125.00	122.57	88.51	16.19	-5,565.89	1,828.83	2,591.27	2,488.23	103.05	25.147		
16,000.00	7,630.00	5,125.00	5,125.00	124.21	88.51	16.19	-5,565.89	1,828.83	2,603.97	2,499.08	104.89	24.825		
16,100.00	7,630.00	5,125.00	5,125.00	125.85	88.51	16.19	-5,565.89	1,828.83	2,620.43	2,513.51	106.92	24.509		
16,200.00	7,630.00	5,125.00	5,125.00	127.50	88.51	16.19	-5,565.89	1,828.83	2,640.57	2,531.49	109.08	24.208		
16,300.00	7,630.00	5,125.00	5,125.00	129.15	88.51	16.19	-5,565.89	1,828.83	2,664.32	2,553.00	111.32	23.934		
16,400.00	7,630.00	5,125.00	5,125.00	130.80	88.51	16.19	-5,565.89	1,828.83	2,691.57	2,577.97	113.60	23.694		
16,500.00	7,630.00	5,125.00	5,125.00	132.46	88.51	16.19	-5,565.89	1,828.83	2,722.23	2,606.35	115.88	23.492		
16,600.00	7,630.00	5,125.00	5,125.00	134.11	88.51	16.19	-5,565.89	1,828.83	2,756.17	2,638.04	118.14	23.331		
16,700.00	7,630.00	5,125.00	5,125.00	135.77	88.51	16.19	-5,565.89	1,828.83	2,793.29	2,672.95	120.34	23.212		
16,800.00	7,630.00	5,125.00	5,125.00	137.43	88.51	16.19	-5,565.89	1,828.83	2,833.45	2,710.97	122.48	23.135		
16,900.00	7,630.00	5,125.00	5,125.00	139.10	88.51	16.19	-5,565.89	1,828.83	2,876.53	2,752.00	124.53	23.099 SF		
17,000.00	7,630.00	5,125.00	5,125.00	140.77	88.51	16.19	-5,565.89	1,828.83	2,922.39	2,795.90	126.49	23.104		
17,100.00	7,630.00	5,125.00	5,125.00	142.44	88.51	16.19	-5,565.89	1,828.83	2,970.92	2,842.56	128.35	23.146		
17,200.00	7,630.00	5,125.00	5,125.00	144.11	88.51	16.19	-5,565.89	1,828.83	3,021.97	2,891.85	130.12	23.225		
17,300.00	7,630.00	5,125.00	5,125.00	145.78	88.51	16.19	-5,565.89	1,828.83	3,075.43	2,943.65	131.78	23.337		
17,400.00	7,630.00	5,125.00	5,125.00	147.46	88.51	16.19	-5,565.89	1,828.83	3,131.18	2,997.83	133.34	23.482		
17,500.00	7,630.00	5,125.00	5,125.00	149.13	88.51	16.19	-5,565.89	1,828.83	3,189.08	3,054.27	134.81	23.657		
17,600.00	7,630.00	5,125.00	5,125.00	150.81	88.51	16.19	-5,565.89	1,828.83	3,249.03	3,112.86	136.18	23.859		
17,700.00	7,630.00	5,125.00	5,125.00	152.49	88.51	16.19	-5,565.89	1,828.83	3,310.92	3,173.47	137.45	24.088		
17,800.00	7,630.00	5,125.00	5,125.00	154.18	88.51	16.19	-5,565.89	1,828.83	3,374.63	3,235.99	138.64	24.341		
17,900.00	7,630.00	5,125.00	5,125.00	155.86	88.51	16.19	-5,565.89	1,828.83	3,440.08	3,300.33	139.75	24.616		
18,000.00	7,630.00	5,125.00	5,125.00	157.55	88.51	16.19	-5,565.89	1,828.83	3,507.15	3,366.37	140.78	24.913		
18,100.00	7,630.00	5,125.00	5,125.00	159.24	88.51	16.19	-5,565.89	1,828.83	3,575.76	3,434.03	141.73	25.229		
18,200.00	7,630.00	5,125.00	5,125.00	160.92	88.51	16.19	-5,565.89	1,828.83	3,645.82	3,503.21	142.61	25.564		
18,300.00	7,630.00	5,125.00	5,125.00	162.62	88.51	16.19	-5,565.89	1,828.83	3,717.26	3,573.82	143.44	25.916		
18,400.00	7,630.00	5,125.00	5,125.00	164.31	88.51	16.19	-5,565.89	1,828.83	3,789.98	3,645.79	144.20	26.284		
18,458.39	7,630.00	5,125.00	5,125.00	165.30	88.51	16.19	-5,565.89	1,828.83	3,833.02	3,688.40	144.61	26.505		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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-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	150.34	-5,537.35	3,152.97	6,372.16					
100.00	100.00	69.00	69.00	0.13	0.56	150.34	-5,537.35	3,152.97	6,372.08	6,371.39	0.69	9,176.168		
200.00	200.00	169.00	169.00	0.49	2.02	150.34	-5,537.35	3,152.97	6,372.08	6,369.57	2.51	2,539.938		
300.00	300.00	269.00	269.00	0.85	3.76	150.34	-5,537.35	3,152.97	6,372.08	6,367.47	4.61	1,381.465		
400.00	400.00	369.00	369.00	1.21	5.51	150.34	-5,537.35	3,152.97	6,372.08	6,365.37	6.72	948.741		
500.00	500.00	469.00	469.00	1.57	7.25	150.34	-5,537.35	3,152.97	6,372.08	6,363.26	8.82	722.445		
600.00	600.00	569.00	569.00	1.93	9.00	150.34	-5,537.35	3,152.97	6,372.08	6,361.16	10.92	583.313		
700.00	700.00	669.00	669.00	2.29	10.74	150.34	-5,537.35	3,152.97	6,372.08	6,359.06	13.03	489.116		
800.00	800.00	769.00	769.00	2.64	12.49	150.34	-5,537.35	3,152.97	6,372.08	6,356.95	15.13	421.112		
900.00	900.00	869.00	869.00	3.00	14.23	150.34	-5,537.35	3,152.97	6,372.08	6,354.85	17.24	369.710		
1,000.00	1,000.00	969.00	969.00	3.36	15.98	150.34	-5,537.35	3,152.97	6,372.08	6,352.74	19.34	329.491		
1,100.00	1,100.00	1,069.00	1,069.00	3.72	17.72	150.34	-5,537.35	3,152.97	6,372.08	6,350.64	21.44	297.164		
1,200.00	1,199.98	1,168.98	1,168.98	4.07	19.47	99.28	-5,537.35	3,152.97	6,372.36	6,348.82	23.54	270.666		
1,300.00	1,299.84	1,268.84	1,268.84	4.43	21.21	99.31	-5,537.35	3,152.97	6,373.21	6,347.57	25.64	248.564		
1,400.00	1,399.45	1,368.45	1,368.45	4.79	22.95	99.36	-5,537.35	3,152.97	6,374.63	6,346.89	27.74	229.823		
1,500.00	1,498.70	1,467.70	1,467.70	5.15	24.68	99.43	-5,537.35	3,152.97	6,376.64	6,346.80	29.84	213.726		
1,600.00	1,597.47	1,566.47	1,566.47	5.53	26.41	99.52	-5,537.35	3,152.97	6,379.24	6,347.30	31.94	199.740		
1,700.00	1,695.62	1,664.62	1,664.62	5.93	28.12	99.62	-5,537.35	3,152.97	6,382.47	6,348.42	34.05	187.463		
1,800.00	1,793.06	1,762.06	1,762.06	6.35	29.82	99.74	-5,537.35	3,152.97	6,386.35	6,350.18	36.16	176.590		
1,900.00	1,889.64	1,858.64	1,858.64	6.79	31.51	99.87	-5,537.35	3,152.97	6,390.91	6,352.61	38.30	166.881		
2,000.00	1,985.27	1,954.27	1,954.27	7.27	33.17	100.01	-5,537.35	3,152.97	6,396.18	6,355.73	40.44	158.151		
2,100.00	2,079.82	2,048.82	2,048.82	7.79	34.82	100.16	-5,537.35	3,152.97	6,402.20	6,359.59	42.61	150.252		
2,200.00	2,173.17	2,142.17	2,142.17	8.36	36.45	100.32	-5,537.35	3,152.97	6,409.01	6,364.21	44.80	143.066		
2,300.00	2,265.21	2,234.21	2,234.21	8.97	38.06	100.49	-5,537.35	3,152.97	6,416.66	6,369.65	47.01	136.498		
2,400.00	2,355.84	2,324.84	2,324.84	9.64	39.64	100.66	-5,537.35	3,152.97	6,425.19	6,375.94	49.25	130.471		
2,500.00	2,444.94	2,413.94	2,413.94	10.36	41.20	100.83	-5,537.35	3,152.97	6,434.64	6,383.13	51.51	124.922		
2,591.69	2,525.19	2,505.81	2,494.19	11.07	42.80	100.98	-5,537.35	3,152.97	6,444.18	6,390.36	53.81	119.757		
2,600.00	2,532.40	2,501.40	2,501.40	11.14	42.72	101.01	-5,537.35	3,152.97	6,445.08	6,391.28	53.80	119.799		
2,700.00	2,619.15	2,588.15	2,588.15	11.96	44.24	101.39	-5,537.35	3,152.97	6,456.15	6,400.04	56.11	115.056		
2,800.00	2,705.89	2,674.89	2,674.89	12.81	45.75	101.77	-5,537.35	3,152.97	6,467.59	6,409.14	58.45	110.658		
2,900.00	2,792.64	2,761.64	2,761.64	13.67	47.27	102.14	-5,537.35	3,152.97	6,479.38	6,418.59	60.80	106.577		
3,000.00	2,879.39	2,848.39	2,848.39	14.55	48.78	102.52	-5,537.35	3,152.97	6,491.54	6,428.39	63.16	102.786		
3,100.00	2,966.14	2,935.14	2,935.14	15.44	50.29	102.89	-5,537.35	3,152.97	6,504.06	6,438.53	65.53	99.260		
3,200.00	3,052.88	3,021.88	3,021.88	16.34	51.81	103.27	-5,537.35	3,152.97	6,516.93	6,449.03	67.90	95.976		
3,300.00	3,139.63	3,108.63	3,108.63	17.25	53.32	103.64	-5,537.35	3,152.97	6,530.15	6,459.87	70.28	92.911		
3,400.00	3,226.38	3,204.62	3,195.38	18.17	55.00	104.01	-5,537.35	3,152.97	6,543.73	6,470.90	72.83	89.848		
3,500.00	3,313.12	3,282.12	3,282.12	19.09	56.35	104.38	-5,537.35	3,152.97	6,557.65	6,482.59	75.06	87.368		
3,600.00	3,399.87	3,368.87	3,368.87	20.02	57.86	104.75	-5,537.35	3,152.97	6,571.92	6,494.48	77.45	84.855		
3,700.00	3,486.62	3,455.62	3,455.62	20.96	59.38	105.11	-5,537.35	3,152.97	6,586.54	6,506.70	79.84	82.496		
3,800.00	3,573.37	3,542.37	3,542.37	21.90	60.89	105.48	-5,537.35	3,152.97	6,601.50	6,519.27	82.23	80.279		
3,900.00	3,660.11	3,629.11	3,629.11	22.84	62.41	105.84	-5,537.35	3,152.97	6,616.80	6,532.18	84.62	78.190		
4,000.00	3,746.86	3,715.86	3,715.86	23.78	63.92	106.21	-5,537.35	3,152.97	6,632.44	6,545.42	87.02	76.222		
4,100.00	3,833.61	3,802.61	3,802.61	24.73	65.43	106.57	-5,537.35	3,152.97	6,648.41	6,559.01	89.41	74.363		
4,200.00	3,920.35	3,889.35	3,889.35	25.68	66.95	106.93	-5,537.35	3,152.97	6,664.72	6,572.93	91.79	72.605		
4,300.00	4,007.10	3,976.10	3,976.10	26.63	68.46	107.29	-5,537.35	3,152.97	6,681.36	6,587.18	94.18	70.942		
4,400.00	4,093.85	4,062.85	4,062.85	27.59	69.98	107.65	-5,537.35	3,152.97	6,698.32	6,601.76	96.56	69.366		
4,500.00	4,180.60	4,149.60	4,149.60	28.55	71.49	108.00	-5,537.35	3,152.97	6,715.61	6,616.67	98.95	67.871		
4,600.00	4,267.34	4,236.34	4,236.34	29.50	73.00	108.36	-5,537.35	3,152.97	6,733.23	6,631.90	101.33	66.451		
4,700.00	4,354.09	4,323.09	4,323.09	30.46	74.52	108.71	-5,537.35	3,152.97	6,751.16	6,647.46	103.70	65.101		
4,800.00	4,440.84	4,409.84	4,409.84	31.42	76.03	109.06	-5,537.35	3,152.97	6,769.41	6,663.34	106.08	63.816		
4,900.00	4,527.58	4,503.42	4,496.58	32.39	77.67	109.41	-5,537.35	3,152.97	6,787.98	6,679.42	108.57	62.524		
5,000.00	4,614.33	4,583.33	4,583.33	33.35	79.06	109.76	-5,537.35	3,152.97	6,806.86	6,696.05	110.81	61.426		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
5,100.00	4,701.08	4,670.08	4,670.08	34.31	80.57	110.11	-5,537.35	3,152.97	6,826.06	6,712.88	113.18	60.312		
5,200.00	4,787.82	4,756.82	4,756.82	35.28	82.09	110.46	-5,537.35	3,152.97	6,845.56	6,730.02	115.54	59.249		
5,300.00	4,874.57	4,843.57	4,843.57	36.25	83.60	110.80	-5,537.35	3,152.97	6,865.36	6,747.47	117.90	58.233		
5,400.00	4,961.32	4,930.32	4,930.32	37.21	85.12	111.14	-5,537.35	3,152.97	6,885.47	6,765.22	120.25	57.260		
5,500.00	5,048.07	5,017.07	5,017.07	38.18	86.63	111.48	-5,537.35	3,152.97	6,905.87	6,783.28	122.60	56.330		
5,600.00	5,134.81	5,103.81	5,103.81	39.15	88.14	111.82	-5,537.35	3,152.97	6,926.58	6,801.64	124.94	55.438		
5,700.00	5,221.56	5,148.00	5,148.00	40.12	88.92	112.00	-5,537.35	3,152.97	6,947.71	6,821.18	126.52	54.912		
5,800.00	5,308.31	5,148.00	5,148.00	41.09	88.92	112.00	-5,537.35	3,152.97	6,970.07	6,842.77	127.30	54.753		
5,900.00	5,395.05	5,148.00	5,148.00	42.06	88.92	112.00	-5,537.35	3,152.97	6,993.79	6,865.73	128.05	54.616		
6,000.00	5,481.80	5,148.00	5,148.00	43.03	88.92	112.00	-5,537.35	3,152.97	7,018.85	6,890.07	128.78	54.503		
6,100.00	5,568.55	5,148.00	5,148.00	44.00	88.92	112.00	-5,537.35	3,152.97	7,045.24	6,915.76	129.48	54.411		
6,200.00	5,655.30	5,148.00	5,148.00	44.97	88.92	112.00	-5,537.35	3,152.97	7,072.95	6,942.79	130.16	54.340		
6,300.00	5,742.04	5,148.00	5,148.00	45.94	88.92	112.00	-5,537.35	3,152.97	7,101.96	6,971.14	130.81	54.290		
6,400.00	5,828.79	5,148.00	5,148.00	46.92	88.92	112.00	-5,537.35	3,152.97	7,132.25	7,000.81	131.44	54.261		
6,500.00	5,915.54	5,148.00	5,148.00	47.89	88.92	112.00	-5,537.35	3,152.97	7,163.81	7,031.76	132.05	54.250		
6,600.00	6,002.28	5,148.00	5,148.00	48.86	88.92	112.00	-5,537.35	3,152.97	7,196.63	7,063.99	132.63	54.260		
6,700.00	6,089.03	5,148.00	5,148.00	49.83	88.92	112.00	-5,537.35	3,152.97	7,230.67	7,097.48	133.19	54.287		
6,800.00	6,175.78	5,148.00	5,148.00	50.81	88.92	112.00	-5,537.35	3,152.97	7,265.93	7,132.21	133.73	54.333		
6,900.00	6,262.53	5,148.00	5,148.00	51.78	88.92	112.00	-5,537.35	3,152.97	7,302.40	7,168.15	134.24	54.397		
7,000.00	6,349.27	5,148.00	5,148.00	52.76	88.92	112.00	-5,537.35	3,152.97	7,340.04	7,205.31	134.74	54.478		
7,100.00	6,436.02	5,148.00	5,148.00	53.73	88.92	112.00	-5,537.35	3,152.97	7,378.85	7,243.64	135.21	54.575		
7,200.00	6,522.77	5,148.00	5,148.00	54.71	88.92	112.00	-5,537.35	3,152.97	7,418.80	7,283.15	135.65	54.689		
7,300.00	6,609.51	5,148.00	5,148.00	55.68	88.92	112.00	-5,537.35	3,152.97	7,459.88	7,323.80	136.08	54.819		
7,400.00	6,696.26	5,148.00	5,148.00	56.66	88.92	112.00	-5,537.35	3,152.97	7,502.07	7,365.57	136.49	54.964		
7,500.00	6,783.01	5,148.00	5,148.00	57.63	88.92	112.00	-5,537.35	3,152.97	7,545.34	7,408.46	136.88	55.124		
7,600.00	6,869.76	5,148.00	5,148.00	58.61	88.92	112.00	-5,537.35	3,152.97	7,589.69	7,452.44	137.25	55.299		
7,683.49	6,942.18	5,148.00	5,148.00	59.42	88.92	112.00	-5,537.35	3,152.97	7,627.52	7,489.98	137.54	55.456		
7,700.00	6,956.57	5,148.00	5,148.00	59.58	88.92	109.75	-5,537.35	3,152.97	7,634.88	7,497.28	137.60	55.487		
7,750.00	7,000.85	5,148.00	5,148.00	60.04	88.92	101.86	-5,537.35	3,152.97	7,654.78	7,517.03	137.76	55.567		
7,800.00	7,045.94	5,148.00	5,148.00	60.46	88.92	92.40	-5,537.35	3,152.97	7,671.00	7,533.10	137.90	55.627		
7,850.00	7,091.49	5,148.00	5,148.00	60.84	88.92	81.78	-5,537.35	3,152.97	7,683.43	7,545.41	138.02	55.667		
7,900.00	7,137.15	5,148.00	5,148.00	61.17	88.92	70.78	-5,537.35	3,152.97	7,692.00	7,553.88	138.12	55.689		
7,950.00	7,182.58	5,148.00	5,148.00	61.44	88.92	60.28	-5,537.35	3,152.97	7,696.66	7,558.46	138.20	55.694		
8,000.00	7,227.43	5,148.00	5,148.00	61.67	88.92	50.94	-5,537.35	3,152.97	7,697.37	7,559.13	138.24	55.681		
8,050.00	7,271.36	5,148.00	5,148.00	61.84	88.92	43.02	-5,537.35	3,152.97	7,694.14	7,555.89	138.25	55.652		
8,100.00	7,314.04	5,148.00	5,148.00	61.96	88.92	36.46	-5,537.35	3,152.97	7,686.99	7,548.75	138.24	55.606		
8,150.00	7,355.14	5,148.00	5,148.00	62.04	88.92	31.06	-5,537.35	3,152.97	7,675.95	7,537.75	138.20	55.543		
8,200.00	7,394.34	5,148.00	5,148.00	62.07	88.92	26.58	-5,537.35	3,152.97	7,661.09	7,522.96	138.13	55.462		
8,250.00	7,431.36	5,148.00	5,148.00	62.06	88.92	22.80	-5,537.35	3,152.97	7,642.51	7,504.47	138.04	55.364		
8,300.00	7,465.90	5,148.00	5,148.00	62.01	88.92	19.55	-5,537.35	3,152.97	7,620.33	7,482.40	137.93	55.248		
8,350.00	7,497.71	5,148.00	5,148.00	61.93	88.92	16.66	-5,537.35	3,152.97	7,594.67	7,456.87	137.80	55.114		
8,400.00	7,526.53	5,148.00	5,148.00	61.81	88.92	14.01	-5,537.35	3,152.97	7,565.70	7,428.04	137.65	54.962		
8,450.00	7,552.17	5,148.00	5,148.00	61.66	88.92	11.47	-5,537.35	3,152.97	7,533.60	7,396.11	137.49	54.792		
8,500.00	7,574.41	5,148.00	5,148.00	61.48	88.92	8.91	-5,537.35	3,152.97	7,498.58	7,361.26	137.32	54.605		
8,550.00	7,593.09	5,148.00	5,148.00	61.29	88.92	6.21	-5,537.35	3,152.97	7,460.87	7,323.72	137.15	54.400		
8,600.00	7,608.07	5,148.00	5,148.00	61.07	88.92	3.17	-5,537.35	3,152.97	7,420.72	7,283.75	136.97	54.178		
8,650.00	7,619.23	5,148.00	5,148.00	60.84	88.92	-0.46	-5,537.35	3,152.97	7,378.38	7,241.59	136.79	53.940		
8,700.00	7,626.48	5,148.00	5,148.00	60.60	88.92	-5.08	-5,537.35	3,152.97	7,334.16	7,197.55	136.61	53.686		
8,750.00	7,629.78	5,148.00	5,148.00	60.35	88.92	-11.32	-5,537.35	3,152.97	7,288.35	7,151.91	136.44	53.417		
8,766.45	7,630.00	5,148.00	5,148.00	60.27	88.92	-13.89	-5,537.35	3,152.97	7,273.00	7,136.61	136.39	53.325		
8,800.00	7,630.00	5,148.00	5,148.00	60.10	88.92	-13.89	-5,537.35	3,152.97	7,241.54	7,105.26	136.28	53.138		
8,900.00	7,630.00	5,148.00	5,148.00	59.61	88.92	-13.89	-5,537.35	3,152.97	7,147.90	7,011.95	135.94	52.580		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
9,000.00	7,630.00	5,148.00	5,148.00	59.15	88.92	-13.89	-5,537.35	3,152.97	7,054.43	6,918.83	135.60	52.025		
9,100.00	7,630.00	5,148.00	5,148.00	58.71	88.92	-13.89	-5,537.35	3,152.97	6,961.15	6,825.90	135.24	51.471		
9,200.00	7,630.00	5,148.00	5,148.00	58.30	88.92	-13.89	-5,537.35	3,152.97	6,868.05	6,733.17	134.88	50.919		
9,300.00	7,630.00	5,148.00	5,148.00	57.91	88.92	-13.89	-5,537.35	3,152.97	6,775.15	6,640.64	134.51	50.369		
9,400.00	7,630.00	5,148.00	5,148.00	57.54	88.92	-13.89	-5,537.35	3,152.97	6,682.46	6,548.33	134.13	49.821		
9,500.00	7,630.00	5,148.00	5,148.00	57.19	88.92	-13.89	-5,537.35	3,152.97	6,589.98	6,456.24	133.74	49.275		
9,600.00	7,630.00	5,148.00	5,148.00	56.87	88.92	-13.89	-5,537.35	3,152.97	6,497.72	6,364.39	133.34	48.731		
9,700.00	7,630.00	5,148.00	5,148.00	56.57	88.92	-13.89	-5,537.35	3,152.97	6,405.70	6,272.77	132.93	48.190		
9,800.00	7,630.00	5,148.00	5,148.00	56.30	88.92	-13.89	-5,537.35	3,152.97	6,313.92	6,181.41	132.50	47.651		
9,900.00	7,630.00	5,148.00	5,148.00	56.05	88.92	-13.89	-5,537.35	3,152.97	6,222.39	6,090.32	132.07	47.114		
10,000.00	7,630.00	5,148.00	5,148.00	55.82	88.92	-13.89	-5,537.35	3,152.97	6,131.13	5,999.50	131.62	46.580		
10,100.00	7,630.00	5,148.00	5,148.00	55.63	88.92	-13.89	-5,537.35	3,152.97	6,040.14	5,908.97	131.17	46.049		
10,200.00	7,630.00	5,148.00	5,148.00	55.46	88.92	-13.89	-5,537.35	3,152.97	5,949.44	5,818.74	130.70	45.521		
10,300.00	7,630.00	5,148.00	5,148.00	55.32	88.92	-13.89	-5,537.35	3,152.97	5,859.05	5,728.83	130.21	44.995		
10,400.00	7,630.00	5,148.00	5,148.00	55.22	88.92	-13.89	-5,537.35	3,152.97	5,768.97	5,639.25	129.72	44.473		
10,500.00	7,630.00	5,148.00	5,148.00	55.15	88.92	-13.89	-5,537.35	3,152.97	5,679.22	5,550.01	129.21	43.953		
10,600.00	7,630.00	5,148.00	5,148.00	55.14	88.92	-13.89	-5,537.35	3,152.97	5,589.82	5,461.14	128.69	43.437		
10,700.00	7,630.00	5,148.00	5,148.00	55.18	88.92	-13.89	-5,537.35	3,152.97	5,500.79	5,372.64	128.15	42.924		
10,800.00	7,630.00	5,148.00	5,148.00	55.28	88.92	-13.89	-5,537.35	3,152.97	5,412.14	5,284.54	127.60	42.415		
10,900.00	7,630.00	5,148.00	5,148.00	55.47	88.92	-13.89	-5,537.35	3,152.97	5,323.89	5,196.86	127.03	41.909		
11,000.00	7,630.00	5,148.00	5,148.00	55.74	88.92	-13.89	-5,537.35	3,152.97	5,236.07	5,109.62	126.45	41.407		
11,100.00	7,630.00	5,148.00	5,148.00	56.11	88.92	-13.89	-5,537.35	3,152.97	5,148.69	5,022.83	125.86	40.909		
11,200.00	7,630.00	5,148.00	5,148.00	56.60	88.92	-13.89	-5,537.35	3,152.97	5,061.77	4,936.53	125.25	40.415		
11,300.00	7,630.00	5,148.00	5,148.00	57.20	88.92	-13.89	-5,537.35	3,152.97	4,975.35	4,850.73	124.62	39.924		
11,400.00	7,630.00	5,148.00	5,148.00	57.91	88.92	-13.89	-5,537.35	3,152.97	4,889.45	4,765.47	123.98	39.438		
11,500.00	7,630.00	5,148.00	5,148.00	58.72	88.92	-13.89	-5,537.35	3,152.97	4,804.09	4,680.77	123.32	38.956		
11,600.00	7,630.00	5,148.00	5,148.00	59.63	88.92	-13.89	-5,537.35	3,152.97	4,719.31	4,596.66	122.65	38.479		
11,700.00	7,630.00	5,148.00	5,148.00	60.61	88.92	-13.89	-5,537.35	3,152.97	4,635.13	4,513.17	121.96	38.005		
11,800.00	7,630.00	5,148.00	5,148.00	61.67	88.92	-13.89	-5,537.35	3,152.97	4,551.59	4,430.34	121.26	37.537		
11,900.00	7,630.00	5,148.00	5,148.00	62.78	88.92	-13.89	-5,537.35	3,152.97	4,468.73	4,348.19	120.54	37.073		
12,000.00	7,630.00	5,148.00	5,148.00	63.95	88.92	-13.89	-5,537.35	3,152.97	4,386.59	4,266.78	119.81	36.613		
12,100.00	7,630.00	5,148.00	5,148.00	65.16	88.92	-13.89	-5,537.35	3,152.97	4,305.20	4,186.13	119.06	36.159		
12,200.00	7,630.00	5,148.00	5,148.00	66.41	88.92	-13.89	-5,537.35	3,152.97	4,224.60	4,106.30	118.31	35.709		
12,300.00	7,630.00	5,148.00	5,148.00	67.68	88.92	-13.89	-5,537.35	3,152.97	4,144.86	4,027.32	117.54	35.264		
12,400.00	7,630.00	5,148.00	5,148.00	68.99	88.92	-13.89	-5,537.35	3,152.97	4,066.01	3,949.25	116.76	34.824		
12,500.00	7,630.00	5,148.00	5,148.00	70.33	88.92	-13.89	-5,537.35	3,152.97	3,988.11	3,872.14	115.97	34.389		
12,600.00	7,630.00	5,148.00	5,148.00	71.68	88.92	-13.89	-5,537.35	3,152.97	3,911.21	3,796.03	115.18	33.959		
12,700.00	7,630.00	5,148.00	5,148.00	73.06	88.92	-13.89	-5,537.35	3,152.97	3,835.38	3,721.00	114.37	33.534		
12,800.00	7,630.00	5,148.00	5,148.00	74.45	88.92	-13.89	-5,537.35	3,152.97	3,760.68	3,647.11	113.57	33.113		
12,900.00	7,630.00	5,148.00	5,148.00	75.87	88.92	-13.89	-5,537.35	3,152.97	3,687.18	3,574.41	112.76	32.698		
13,000.00	7,630.00	5,148.00	5,148.00	77.29	88.92	-13.89	-5,537.35	3,152.97	3,614.95	3,502.99	111.96	32.288		
13,100.00	7,630.00	5,148.00	5,148.00	78.74	88.92	-13.89	-5,537.35	3,152.97	3,544.07	3,432.91	111.16	31.884		
13,200.00	7,630.00	5,148.00	5,148.00	80.19	88.92	-13.89	-5,537.35	3,152.97	3,474.62	3,364.26	110.36	31.485		
13,300.00	7,630.00	5,148.00	5,148.00	81.66	88.92	-13.89	-5,537.35	3,152.97	3,406.69	3,297.12	109.57	31.092		
13,400.00	7,630.00	5,148.00	5,148.00	83.14	88.92	-13.89	-5,537.35	3,152.97	3,340.38	3,231.59	108.79	30.705		
13,500.00	7,630.00	5,148.00	5,148.00	84.63	88.92	-13.89	-5,537.35	3,152.97	3,275.78	3,167.75	108.02	30.325		
13,600.00	7,630.00	5,148.00	5,148.00	86.14	88.92	-13.89	-5,537.35	3,152.97	3,212.99	3,105.72	107.27	29.952		
13,700.00	7,630.00	5,148.00	5,148.00	87.65	88.92	-13.89	-5,537.35	3,152.97	3,152.12	3,045.58	106.53	29.588		
13,800.00	7,630.00	5,148.00	5,148.00	89.17	88.92	-13.89	-5,537.35	3,152.97	3,093.29	2,987.47	105.82	29.232		
13,900.00	7,630.00	5,148.00	5,148.00	90.70	88.92	-13.89	-5,537.35	3,152.97	3,036.61	2,931.49	105.12	28.886		
14,000.00	7,630.00	5,148.00	5,148.00	92.24	88.92	-13.89	-5,537.35	3,152.97	2,982.21	2,877.76	104.45	28.552		
14,100.00	7,630.00	5,148.00	5,148.00	93.78	88.92	-13.89	-5,537.35	3,152.97	2,930.21	2,826.41	103.80	28.229		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<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 JL SEARS 2 - OWB - Design #1													<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b> 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		
14,200.00	7,630.00	5,148.00	5,148.00	95.33	88.92	-13.89	-5,537.35	3,152.97	2,880.75	2,777.56	103.18	27.919		
14,300.00	7,630.00	5,148.00	5,148.00	96.89	88.92	-13.89	-5,537.35	3,152.97	2,833.95	2,731.36	102.59	27.623		
14,400.00	7,630.00	5,148.00	5,148.00	98.46	88.92	-13.89	-5,537.35	3,152.97	2,789.95	2,687.91	102.04	27.342		
14,500.00	7,630.00	5,148.00	5,148.00	100.03	88.92	-13.89	-5,537.35	3,152.97	2,748.89	2,647.37	101.53	27.075		
14,600.00	7,630.00	5,148.00	5,148.00	101.61	88.92	-13.89	-5,537.35	3,152.97	2,710.90	2,609.84	101.07	26.823		
14,700.00	7,630.00	5,148.00	5,148.00	103.20	88.92	-13.89	-5,537.35	3,152.97	2,676.11	2,575.44	100.67	26.584		
14,800.00	7,630.00	5,148.00	5,148.00	104.78	88.92	-13.89	-5,537.35	3,152.97	2,644.64	2,544.29	100.35	26.355		
14,900.00	7,630.00	5,148.00	5,148.00	106.38	88.92	-13.89	-5,537.35	3,152.97	2,616.62	2,516.49	100.13	26.132		
15,000.00	7,630.00	5,148.00	5,148.00	107.98	88.92	-13.89	-5,537.35	3,152.97	2,592.16	2,492.11	100.04	25.911		
15,100.00	7,630.00	5,148.00	5,148.00	109.58	88.92	-13.89	-5,537.35	3,152.97	2,571.35	2,471.23	100.12	25.683		
15,200.00	7,630.00	5,148.00	5,148.00	111.19	88.92	-13.89	-5,537.35	3,152.97	2,554.29	2,453.89	100.41	25.439		
15,300.00	7,630.00	5,148.00	5,148.00	112.81	88.92	-13.89	-5,537.35	3,152.97	2,541.06	2,440.11	100.95	25.171		
15,400.00	7,630.00	5,148.00	5,148.00	114.42	88.92	-13.89	-5,537.35	3,152.97	2,531.71	2,429.91	101.80	24.871		
15,500.00	7,630.00	5,148.00	5,148.00	116.05	88.92	-13.89	-5,537.35	3,152.97	2,526.29	2,423.30	102.98	24.531		
15,587.14	7,630.00	5,148.00	5,148.00	117.46	88.92	-13.89	-5,537.35	3,152.97	2,524.78	2,420.47	104.31	24.204 CC		
15,600.00	7,630.00	5,148.00	5,148.00	117.67	88.92	-13.89	-5,537.35	3,152.97	2,524.82	2,420.28	104.53	24.153 ES		
15,700.00	7,630.00	5,148.00	5,148.00	119.30	88.92	-13.89	-5,537.35	3,152.97	2,527.30	2,420.86	106.45	23.743		
15,800.00	7,630.00	5,148.00	5,148.00	120.93	88.92	-13.89	-5,537.35	3,152.97	2,533.74	2,425.05	108.69	23.311		
15,900.00	7,630.00	5,148.00	5,148.00	122.57	88.92	-13.89	-5,537.35	3,152.97	2,544.09	2,432.87	111.22	22.874		
16,000.00	7,630.00	5,148.00	5,148.00	124.21	88.92	-13.89	-5,537.35	3,152.97	2,558.32	2,444.34	113.97	22.447		
16,100.00	7,630.00	5,148.00	5,148.00	125.85	88.92	-13.89	-5,537.35	3,152.97	2,576.34	2,459.47	116.88	22.044		
16,200.00	7,630.00	5,148.00	5,148.00	127.50	88.92	-13.89	-5,537.35	3,152.97	2,598.10	2,478.23	119.87	21.675		
16,300.00	7,630.00	5,148.00	5,148.00	129.15	88.92	-13.89	-5,537.35	3,152.97	2,623.49	2,500.60	122.89	21.349		
16,400.00	7,630.00	5,148.00	5,148.00	130.80	88.92	-13.89	-5,537.35	3,152.97	2,652.41	2,526.52	125.89	21.069		
16,500.00	7,630.00	5,148.00	5,148.00	132.46	88.92	-13.89	-5,537.35	3,152.97	2,684.74	2,555.90	128.84	20.838		
16,600.00	7,630.00	5,148.00	5,148.00	134.11	88.92	-13.89	-5,537.35	3,152.97	2,720.37	2,588.67	131.70	20.656		
16,700.00	7,630.00	5,148.00	5,148.00	135.77	88.92	-13.89	-5,537.35	3,152.97	2,759.16	2,624.71	134.46	20.521		
16,800.00	7,630.00	5,148.00	5,148.00	137.43	88.92	-13.89	-5,537.35	3,152.97	2,800.99	2,663.90	137.09	20.432		
16,900.00	7,630.00	5,148.00	5,148.00	139.10	88.92	-13.89	-5,537.35	3,152.97	2,845.72	2,706.13	139.59	20.387		
17,000.00	7,630.00	5,148.00	5,148.00	140.77	88.92	-13.89	-5,537.35	3,152.97	2,893.22	2,751.27	141.94	20.383 SF		
17,100.00	7,630.00	5,148.00	5,148.00	142.44	88.92	-13.89	-5,537.35	3,152.97	2,943.34	2,799.18	144.16	20.417		
17,200.00	7,630.00	5,148.00	5,148.00	144.11	88.92	-13.89	-5,537.35	3,152.97	2,995.97	2,849.73	146.24	20.487		
17,300.00	7,630.00	5,148.00	5,148.00	145.78	88.92	-13.89	-5,537.35	3,152.97	3,050.97	2,902.79	148.18	20.590		
17,400.00	7,630.00	5,148.00	5,148.00	147.46	88.92	-13.89	-5,537.35	3,152.97	3,108.21	2,958.23	149.98	20.724		
17,500.00	7,630.00	5,148.00	5,148.00	149.13	88.92	-13.89	-5,537.35	3,152.97	3,167.58	3,015.92	151.65	20.887		
17,600.00	7,630.00	5,148.00	5,148.00	150.81	88.92	-13.89	-5,537.35	3,152.97	3,228.95	3,075.75	153.20	21.076		
17,700.00	7,630.00	5,148.00	5,148.00	152.49	88.92	-13.89	-5,537.35	3,152.97	3,292.22	3,137.58	154.64	21.290		
17,800.00	7,630.00	5,148.00	5,148.00	154.18	88.92	-13.89	-5,537.35	3,152.97	3,357.27	3,201.31	155.96	21.527		
17,900.00	7,630.00	5,148.00	5,148.00	155.86	88.92	-13.89	-5,537.35	3,152.97	3,424.01	3,266.83	157.18	21.784		
18,000.00	7,630.00	5,148.00	5,148.00	157.55	88.92	-13.89	-5,537.35	3,152.97	3,492.34	3,334.03	158.30	22.061		
18,100.00	7,630.00	5,148.00	5,148.00	159.24	88.92	-13.89	-5,537.35	3,152.97	3,562.16	3,402.83	159.33	22.357		
18,200.00	7,630.00	5,148.00	5,148.00	160.92	88.92	-13.89	-5,537.35	3,152.97	3,633.39	3,473.11	160.28	22.669		
18,300.00	7,630.00	5,148.00	5,148.00	162.62	88.92	-13.89	-5,537.35	3,152.97	3,705.96	3,544.81	161.15	22.997		
18,400.00	7,630.00	5,148.00	5,148.00	164.31	88.92	-13.89	-5,537.35	3,152.97	3,779.77	3,617.82	161.95	23.339		
18,458.39	7,630.00	5,148.00	5,148.00	165.30	88.92	-13.89	-5,537.35	3,152.97	3,823.43	3,661.04	162.38	23.546		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	147.11	-6,842.40	4,424.42	8,148.28					
100.00	100.00	76.00	76.00	0.13	0.63	147.11	-6,842.40	4,424.42	8,148.24	8,147.48	0.76	N/A		
200.00	200.00	176.00	176.00	0.49	2.16	147.11	-6,842.40	4,424.42	8,148.24	8,145.60	2.65	3,076.689		
300.00	300.00	276.00	276.00	0.85	3.90	147.11	-6,842.40	4,424.42	8,148.24	8,143.49	4.75	1,714.632		
400.00	400.00	376.00	376.00	1.21	5.65	147.11	-6,842.40	4,424.42	8,148.24	8,141.39	6.86	1,188.487		
500.00	500.00	476.00	476.00	1.57	7.39	147.11	-6,842.40	4,424.42	8,148.24	8,139.28	8.96	909.424		
600.00	600.00	576.00	576.00	1.93	9.14	147.11	-6,842.40	4,424.42	8,148.24	8,137.18	11.06	736.492		
700.00	700.00	676.00	676.00	2.29	10.88	147.11	-6,842.40	4,424.42	8,148.24	8,135.08	13.17	618.820		
800.00	800.00	776.00	776.00	2.64	12.63	147.11	-6,842.40	4,424.42	8,148.24	8,132.97	15.27	533.570		
900.00	900.00	876.00	876.00	3.00	14.37	147.11	-6,842.40	4,424.42	8,148.24	8,130.87	17.37	468.964		
1,000.00	1,000.00	976.00	976.00	3.36	16.12	147.11	-6,842.40	4,424.42	8,148.24	8,128.77	19.48	418.314		
1,100.00	1,100.00	1,076.00	1,076.00	3.72	17.86	147.11	-6,842.40	4,424.42	8,148.24	8,126.66	21.58	377.538		
1,200.00	1,199.98	1,175.98	1,175.98	4.07	19.61	96.05	-6,842.40	4,424.42	8,148.43	8,124.75	23.68	344.064		
1,300.00	1,299.84	1,275.84	1,275.84	4.43	21.35	96.08	-6,842.40	4,424.42	8,148.98	8,123.20	25.78	316.102		
1,400.00	1,399.45	1,375.45	1,375.45	4.79	23.09	96.12	-6,842.40	4,424.42	8,149.91	8,122.04	27.88	292.359		
1,500.00	1,498.70	1,474.70	1,474.70	5.15	24.82	96.18	-6,842.40	4,424.42	8,151.23	8,121.25	29.97	271.936		
1,600.00	1,597.47	1,573.47	1,573.47	5.53	26.55	96.25	-6,842.40	4,424.42	8,152.94	8,120.86	32.08	254.168		
1,700.00	1,695.62	1,671.62	1,671.62	5.93	28.26	96.34	-6,842.40	4,424.42	8,155.07	8,120.89	34.19	238.550		
1,800.00	1,793.06	1,769.06	1,769.06	6.35	29.96	96.44	-6,842.40	4,424.42	8,157.64	8,121.34	36.30	224.698		
1,900.00	1,889.64	1,865.64	1,865.64	6.79	31.65	96.56	-6,842.40	4,424.42	8,160.68	8,122.24	38.44	212.311		
2,000.00	1,985.27	1,961.27	1,961.27	7.27	33.31	96.68	-6,842.40	4,424.42	8,164.20	8,123.61	40.59	201.156		
2,100.00	2,079.82	2,055.82	2,055.82	7.79	34.96	96.82	-6,842.40	4,424.42	8,168.24	8,125.49	42.76	191.047		
2,200.00	2,173.17	2,149.17	2,149.17	8.36	36.59	96.96	-6,842.40	4,424.42	8,172.84	8,127.90	44.95	181.834		
2,300.00	2,265.21	2,241.21	2,241.21	8.97	38.20	97.11	-6,842.40	4,424.42	8,178.03	8,130.87	47.16	173.399		
2,400.00	2,355.84	2,331.84	2,331.84	9.64	39.78	97.26	-6,842.40	4,424.42	8,183.85	8,134.45	49.41	165.644		
2,500.00	2,444.94	2,420.94	2,420.94	10.36	41.34	97.41	-6,842.40	4,424.42	8,190.35	8,138.67	51.68	158.489		
2,591.69	2,525.19	2,501.19	2,501.19	11.07	42.74	97.55	-6,842.40	4,424.42	8,196.92	8,143.14	53.79	152.401		
2,600.00	2,532.40	2,508.40	2,508.40	11.14	42.86	97.57	-6,842.40	4,424.42	8,197.55	8,143.57	53.98	151.870		
2,700.00	2,619.15	2,604.85	2,595.15	11.96	44.55	97.87	-6,842.40	4,424.42	8,205.23	8,148.76	56.47	145.295		
2,800.00	2,705.89	2,681.89	2,681.89	12.81	45.89	98.17	-6,842.40	4,424.42	8,213.21	8,154.56	58.65	140.036		
2,900.00	2,792.64	2,768.64	2,768.64	13.67	47.41	98.47	-6,842.40	4,424.42	8,221.48	8,160.46	61.01	134.747		
3,000.00	2,879.39	2,855.39	2,855.39	14.55	48.92	98.77	-6,842.40	4,424.42	8,230.04	8,166.65	63.39	129.831		
3,100.00	2,966.14	2,942.14	2,942.14	15.44	50.43	99.07	-6,842.40	4,424.42	8,238.90	8,173.12	65.78	125.254		
3,200.00	3,052.88	3,028.88	3,028.88	16.34	51.95	99.36	-6,842.40	4,424.42	8,248.04	8,179.87	68.17	120.986		
3,300.00	3,139.63	3,115.63	3,115.63	17.25	53.46	99.66	-6,842.40	4,424.42	8,257.48	8,186.90	70.58	117.002		
3,400.00	3,226.38	3,202.38	3,202.38	18.17	54.98	99.96	-6,842.40	4,424.42	8,267.20	8,194.22	72.98	113.275		
3,500.00	3,313.12	3,289.12	3,289.12	19.09	56.49	100.25	-6,842.40	4,424.42	8,277.21	8,201.82	75.40	109.784		
3,600.00	3,399.87	3,375.87	3,375.87	20.02	58.00	100.55	-6,842.40	4,424.42	8,287.51	8,209.70	77.81	106.509		
3,700.00	3,486.62	3,462.62	3,462.62	20.96	59.52	100.84	-6,842.40	4,424.42	8,298.09	8,217.86	80.23	103.431		
3,800.00	3,573.37	3,549.37	3,549.37	21.90	61.03	101.14	-6,842.40	4,424.42	8,308.96	8,226.31	82.65	100.534		
3,900.00	3,660.11	3,636.11	3,636.11	22.84	62.55	101.43	-6,842.40	4,424.42	8,320.11	8,235.04	85.07	97.804		
4,000.00	3,746.86	3,722.86	3,722.86	23.78	64.06	101.72	-6,842.40	4,424.42	8,331.54	8,244.05	87.49	95.228		
4,100.00	3,833.61	3,809.61	3,809.61	24.73	65.57	102.02	-6,842.40	4,424.42	8,343.26	8,253.35	89.91	92.793		
4,200.00	3,920.35	3,896.35	3,896.35	25.68	67.22	102.31	-6,842.40	4,424.42	8,355.25	8,262.79	92.46	90.364		
4,300.00	4,007.10	3,983.10	3,983.10	26.63	68.60	102.60	-6,842.40	4,424.42	8,367.52	8,272.77	94.76	88.305		
4,400.00	4,093.85	4,069.85	4,069.85	27.59	70.12	102.89	-6,842.40	4,424.42	8,380.07	8,282.90	97.18	86.234		
4,500.00	4,180.60	4,156.60	4,156.60	28.55	71.63	103.18	-6,842.40	4,424.42	8,392.90	8,293.30	99.60	84.268		
4,600.00	4,267.34	4,243.34	4,243.34	29.50	73.14	103.47	-6,842.40	4,424.42	8,406.00	8,303.98	102.02	82.398		
4,700.00	4,354.09	4,330.09	4,330.09	30.46	74.66	103.75	-6,842.40	4,424.42	8,419.38	8,314.94	104.44	80.618		
4,800.00	4,440.84	4,416.84	4,416.84	31.42	76.17	104.04	-6,842.40	4,424.42	8,433.02	8,326.17	106.85	78.923		
4,900.00	4,527.58	4,503.58	4,503.58	32.39	77.69	104.33	-6,842.40	4,424.42	8,446.94	8,337.67	109.27	77.306		
5,000.00	4,614.33	4,609.67	4,590.33	33.35	79.54	104.62	-6,842.40	4,424.42	8,461.13	8,349.11	112.02	75.535		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
5,100.00	4,701.08	4,677.08	4,677.08	34.31	80.71	104.90	-6,842.40	4,424.42	8,475.58	8,361.49	114.09	74.289		
5,200.00	4,787.82	4,763.82	4,763.82	35.28	82.23	105.19	-6,842.40	4,424.42	8,490.30	8,373.81	116.50	72.879		
5,300.00	4,874.57	4,850.57	4,850.57	36.25	83.74	105.47	-6,842.40	4,424.42	8,505.29	8,386.39	118.91	71.530		
5,400.00	4,961.32	4,937.32	4,937.32	37.21	85.26	105.75	-6,842.40	4,424.42	8,520.54	8,399.24	121.31	70.238		
5,500.00	5,048.07	5,024.07	5,024.07	38.18	86.77	106.03	-6,842.40	4,424.42	8,536.06	8,412.35	123.71	69.000		
5,600.00	5,134.81	5,050.00	5,050.00	39.15	87.22	106.12	-6,842.40	4,424.42	8,552.05	8,427.02	125.03	68.397		
5,700.00	5,221.56	5,050.00	5,050.00	40.12	87.22	106.12	-6,842.40	4,424.42	8,569.14	8,443.26	125.89	68.071		
5,800.00	5,308.31	5,050.00	5,050.00	41.09	87.22	106.12	-6,842.40	4,424.42	8,587.36	8,460.64	126.72	67.766		
5,900.00	5,395.05	5,050.00	5,050.00	42.06	87.22	106.12	-6,842.40	4,424.42	8,606.71	8,479.17	127.54	67.483		
6,000.00	5,481.80	5,050.00	5,050.00	43.03	87.22	106.12	-6,842.40	4,424.42	8,627.17	8,498.82	128.34	67.221		
6,100.00	5,568.55	5,050.00	5,050.00	44.00	87.22	106.12	-6,842.40	4,424.42	8,648.73	8,519.61	129.13	66.979		
6,200.00	5,655.30	5,050.00	5,050.00	44.97	87.22	106.12	-6,842.40	4,424.42	8,671.40	8,541.51	129.89	66.757		
6,300.00	5,742.04	5,050.00	5,050.00	45.94	87.22	106.12	-6,842.40	4,424.42	8,695.16	8,564.51	130.65	66.555		
6,400.00	5,828.79	5,050.00	5,050.00	46.92	87.22	106.12	-6,842.40	4,424.42	8,720.00	8,588.62	131.38	66.372		
6,500.00	5,915.54	5,050.00	5,050.00	47.89	87.22	106.12	-6,842.40	4,424.42	8,745.91	8,613.81	132.10	66.207		
6,600.00	6,002.28	5,050.00	5,050.00	48.86	87.22	106.12	-6,842.40	4,424.42	8,772.89	8,640.09	132.80	66.060		
6,700.00	6,089.03	5,050.00	5,050.00	49.83	87.22	106.12	-6,842.40	4,424.42	8,800.92	8,667.43	133.49	65.931		
6,800.00	6,175.78	5,050.00	5,050.00	50.81	87.22	106.12	-6,842.40	4,424.42	8,829.99	8,695.84	134.15	65.820		
6,900.00	6,262.53	5,050.00	5,050.00	51.78	87.22	106.12	-6,842.40	4,424.42	8,860.10	8,725.30	134.81	65.725		
7,000.00	6,349.27	5,050.00	5,050.00	52.76	87.22	106.12	-6,842.40	4,424.42	8,891.23	8,755.79	135.44	65.647		
7,100.00	6,436.02	5,050.00	5,050.00	53.73	87.22	106.12	-6,842.40	4,424.42	8,923.37	8,787.32	136.06	65.585		
7,200.00	6,522.77	5,050.00	5,050.00	54.71	87.22	106.12	-6,842.40	4,424.42	8,956.52	8,819.86	136.66	65.538		
7,300.00	6,609.51	5,050.00	5,050.00	55.68	87.22	106.12	-6,842.40	4,424.42	8,990.65	8,853.40	137.25	65.507		
7,400.00	6,696.26	5,050.00	5,050.00	56.66	87.22	106.12	-6,842.40	4,424.42	9,025.76	8,887.95	137.82	65.491		
7,500.00	6,783.01	5,050.00	5,050.00	57.63	87.22	106.12	-6,842.40	4,424.42	9,061.84	8,923.47	138.37	65.489		
7,600.00	6,869.76	5,050.00	5,050.00	58.61	87.22	106.12	-6,842.40	4,424.42	9,098.88	8,959.97	138.91	65.502		
7,683.49	6,942.18	5,050.00	5,050.00	59.42	87.22	106.12	-6,842.40	4,424.42	9,130.53	8,991.18	139.35	65.523		
7,700.00	6,956.57	5,050.00	5,050.00	59.58	87.22	103.90	-6,842.40	4,424.42	9,136.65	8,997.22	139.43	65.527		
7,750.00	7,000.85	5,050.00	5,050.00	60.04	87.22	96.07	-6,842.40	4,424.42	9,152.79	9,013.11	139.68	65.528		
7,800.00	7,045.94	5,050.00	5,050.00	60.46	87.22	86.65	-6,842.40	4,424.42	9,165.21	9,025.30	139.90	65.511		
7,850.00	7,091.49	5,050.00	5,050.00	60.84	87.22	76.03	-6,842.40	4,424.42	9,173.83	9,033.72	140.10	65.479		
7,900.00	7,137.15	5,050.00	5,050.00	61.17	87.22	64.99	-6,842.40	4,424.42	9,178.60	9,038.32	140.28	65.432		
7,950.00	7,182.58	5,050.00	5,050.00	61.44	87.22	54.42	-6,842.40	4,424.42	9,179.49	9,039.07	140.42	65.372		
8,000.00	7,227.43	5,050.00	5,050.00	61.67	87.22	44.98	-6,842.40	4,424.42	9,176.50	9,035.97	140.53	65.300		
8,050.00	7,271.36	5,050.00	5,050.00	61.84	87.22	36.92	-6,842.40	4,424.42	9,169.64	9,029.03	140.60	65.217		
8,100.00	7,314.04	5,050.00	5,050.00	61.96	87.22	30.17	-6,842.40	4,424.42	9,158.95	9,018.30	140.65	65.121		
8,150.00	7,355.14	5,050.00	5,050.00	62.04	87.22	24.52	-6,842.40	4,424.42	9,144.51	9,003.85	140.66	65.013		
8,200.00	7,394.34	5,050.00	5,050.00	62.07	87.22	19.74	-6,842.40	4,424.42	9,126.40	8,985.76	140.64	64.893		
8,250.00	7,431.36	5,050.00	5,050.00	62.06	87.22	15.60	-6,842.40	4,424.42	9,104.75	8,964.16	140.59	64.760		
8,300.00	7,465.90	5,050.00	5,050.00	62.01	87.22	11.88	-6,842.40	4,424.42	9,079.69	8,939.17	140.52	64.615		
8,350.00	7,497.71	5,050.00	5,050.00	61.93	87.22	8.44	-6,842.40	4,424.42	9,051.39	8,910.96	140.42	64.457		
8,400.00	7,526.53	5,050.00	5,050.00	61.81	87.22	5.10	-6,842.40	4,424.42	9,020.03	8,879.72	140.31	64.287		
8,450.00	7,552.17	5,050.00	5,050.00	61.66	87.22	1.70	-6,842.40	4,424.42	8,985.82	8,845.65	140.17	64.105		
8,500.00	7,574.41	5,050.00	5,050.00	61.48	87.22	-1.91	-6,842.40	4,424.42	8,948.99	8,808.97	140.02	63.911		
8,550.00	7,593.09	5,050.00	5,050.00	61.29	87.22	-5.95	-6,842.40	4,424.42	8,909.79	8,769.93	139.86	63.704		
8,600.00	7,608.07	5,050.00	5,050.00	61.07	87.22	-10.68	-6,842.40	4,424.42	8,868.49	8,728.80	139.69	63.487		
8,650.00	7,619.23	5,050.00	5,050.00	60.84	87.22	-16.43	-6,842.40	4,424.42	8,825.37	8,685.86	139.51	63.259		
8,700.00	7,626.48	5,050.00	5,050.00	60.60	87.22	-23.64	-6,842.40	4,424.42	8,780.74	8,641.41	139.33	63.020		
8,750.00	7,629.78	5,050.00	5,050.00	60.35	87.22	-32.83	-6,842.40	4,424.42	8,734.92	8,595.77	139.15	62.772		
8,766.45	7,630.00	5,050.00	5,050.00	60.27	87.22	-36.36	-6,842.40	4,424.42	8,719.65	8,580.55	139.09	62.689		
8,800.00	7,630.00	5,050.00	5,050.00	60.10	87.22	-36.36	-6,842.40	4,424.42	8,688.40	8,549.43	138.97	62.518		
8,900.00	7,630.00	5,050.00	5,050.00	59.61	87.22	-36.36	-6,842.40	4,424.42	8,595.39	8,456.78	138.61	62.011		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
9,000.00	7,630.00	5,050.00	5,050.00	59.15	87.22	-36.36	-6,842.40	4,424.42	8,502.54	8,364.30	138.24	61.504		
9,100.00	7,630.00	5,050.00	5,050.00	58.71	87.22	-36.36	-6,842.40	4,424.42	8,409.85	8,271.98	137.87	60.999		
9,200.00	7,630.00	5,050.00	5,050.00	58.30	87.22	-36.36	-6,842.40	4,424.42	8,317.33	8,179.84	137.49	60.493		
9,300.00	7,630.00	5,050.00	5,050.00	57.91	87.22	-36.36	-6,842.40	4,424.42	8,224.99	8,087.88	137.11	59.989		
9,400.00	7,630.00	5,050.00	5,050.00	57.54	87.22	-36.36	-6,842.40	4,424.42	8,132.83	7,996.11	136.72	59.486		
9,500.00	7,630.00	5,050.00	5,050.00	57.19	87.22	-36.36	-6,842.40	4,424.42	8,040.85	7,904.53	136.33	58.983		
9,600.00	7,630.00	5,050.00	5,050.00	56.87	87.22	-36.36	-6,842.40	4,424.42	7,949.07	7,813.14	135.93	58.481		
9,700.00	7,630.00	5,050.00	5,050.00	56.57	87.22	-36.36	-6,842.40	4,424.42	7,857.49	7,721.97	135.52	57.979		
9,800.00	7,630.00	5,050.00	5,050.00	56.30	87.22	-36.36	-6,842.40	4,424.42	7,766.12	7,631.00	135.11	57.479		
9,900.00	7,630.00	5,050.00	5,050.00	56.05	87.22	-36.36	-6,842.40	4,424.42	7,674.96	7,540.26	134.70	56.978		
10,000.00	7,630.00	5,050.00	5,050.00	55.82	87.22	-36.36	-6,842.40	4,424.42	7,584.02	7,449.74	134.28	56.479		
10,100.00	7,630.00	5,050.00	5,050.00	55.63	87.22	-36.36	-6,842.40	4,424.42	7,493.32	7,359.46	133.86	55.979		
10,200.00	7,630.00	5,050.00	5,050.00	55.46	87.22	-36.36	-6,842.40	4,424.42	7,402.85	7,269.42	133.43	55.481		
10,300.00	7,630.00	5,050.00	5,050.00	55.32	87.22	-36.36	-6,842.40	4,424.42	7,312.64	7,179.64	133.00	54.982		
10,400.00	7,630.00	5,050.00	5,050.00	55.22	87.22	-36.36	-6,842.40	4,424.42	7,222.68	7,090.11	132.57	54.484		
10,500.00	7,630.00	5,050.00	5,050.00	55.15	87.22	-36.36	-6,842.40	4,424.42	7,132.99	7,000.86	132.13	53.986		
10,600.00	7,630.00	5,050.00	5,050.00	55.14	87.22	-36.36	-6,842.40	4,424.42	7,043.57	6,911.89	131.69	53.488		
10,700.00	7,630.00	5,050.00	5,050.00	55.18	87.22	-36.36	-6,842.40	4,424.42	6,954.45	6,823.20	131.24	52.990		
10,800.00	7,630.00	5,050.00	5,050.00	55.28	87.22	-36.36	-6,842.40	4,424.42	6,865.62	6,734.82	130.80	52.491		
10,900.00	7,630.00	5,050.00	5,050.00	55.47	87.22	-36.36	-6,842.40	4,424.42	6,777.10	6,646.76	130.35	51.992		
11,000.00	7,630.00	5,050.00	5,050.00	55.74	87.22	-36.36	-6,842.40	4,424.42	6,688.91	6,559.01	129.90	51.493		
11,100.00	7,630.00	5,050.00	5,050.00	56.11	87.22	-36.36	-6,842.40	4,424.42	6,601.06	6,471.61	129.45	50.992		
11,200.00	7,630.00	5,050.00	5,050.00	56.60	87.22	-36.36	-6,842.40	4,424.42	6,513.56	6,384.55	129.00	50.491		
11,300.00	7,630.00	5,050.00	5,050.00	57.20	87.22	-36.36	-6,842.40	4,424.42	6,426.42	6,297.86	128.56	49.988		
11,400.00	7,630.00	5,050.00	5,050.00	57.91	87.22	-36.36	-6,842.40	4,424.42	6,339.66	6,211.54	128.12	49.484		
11,500.00	7,630.00	5,050.00	5,050.00	58.72	87.22	-36.36	-6,842.40	4,424.42	6,253.29	6,125.62	127.68	48.978		
11,600.00	7,630.00	5,050.00	5,050.00	59.63	87.22	-36.36	-6,842.40	4,424.42	6,167.34	6,040.10	127.24	48.469		
11,700.00	7,630.00	5,050.00	5,050.00	60.61	87.22	-36.36	-6,842.40	4,424.42	6,081.82	5,955.00	126.81	47.958		
11,800.00	7,630.00	5,050.00	5,050.00	61.67	87.22	-36.36	-6,842.40	4,424.42	5,996.74	5,870.35	126.39	47.444		
11,900.00	7,630.00	5,050.00	5,050.00	62.78	87.22	-36.36	-6,842.40	4,424.42	5,912.13	5,786.15	125.98	46.927		
12,000.00	7,630.00	5,050.00	5,050.00	63.95	87.22	-36.36	-6,842.40	4,424.42	5,828.01	5,702.43	125.59	46.407		
12,100.00	7,630.00	5,050.00	5,050.00	65.16	87.22	-36.36	-6,842.40	4,424.42	5,744.40	5,619.20	125.20	45.882		
12,200.00	7,630.00	5,050.00	5,050.00	66.41	87.22	-36.36	-6,842.40	4,424.42	5,661.32	5,536.49	124.83	45.352		
12,300.00	7,630.00	5,050.00	5,050.00	67.68	87.22	-36.36	-6,842.40	4,424.42	5,578.80	5,454.32	124.48	44.818		
12,400.00	7,630.00	5,050.00	5,050.00	68.99	87.22	-36.36	-6,842.40	4,424.42	5,496.86	5,372.71	124.15	44.277		
12,500.00	7,630.00	5,050.00	5,050.00	70.33	87.22	-36.36	-6,842.40	4,424.42	5,415.52	5,291.68	123.84	43.731		
12,600.00	7,630.00	5,050.00	5,050.00	71.68	87.22	-36.36	-6,842.40	4,424.42	5,334.82	5,211.26	123.55	43.179		
12,700.00	7,630.00	5,050.00	5,050.00	73.06	87.22	-36.36	-6,842.40	4,424.42	5,254.78	5,131.48	123.30	42.619		
12,800.00	7,630.00	5,050.00	5,050.00	74.45	87.22	-36.36	-6,842.40	4,424.42	5,175.43	5,052.36	123.07	42.052		
12,900.00	7,630.00	5,050.00	5,050.00	75.87	87.22	-36.36	-6,842.40	4,424.42	5,096.81	4,973.93	122.88	41.478		
13,000.00	7,630.00	5,050.00	5,050.00	77.29	87.22	-36.36	-6,842.40	4,424.42	5,018.96	4,896.23	122.73	40.895		
13,100.00	7,630.00	5,050.00	5,050.00	78.74	87.22	-36.36	-6,842.40	4,424.42	4,941.90	4,819.28	122.61	40.305		
13,200.00	7,630.00	5,050.00	5,050.00	80.19	87.22	-36.36	-6,842.40	4,424.42	4,865.67	4,743.13	122.54	39.705		
13,300.00	7,630.00	5,050.00	5,050.00	81.66	87.22	-36.36	-6,842.40	4,424.42	4,790.32	4,667.80	122.52	39.097		
13,400.00	7,630.00	5,050.00	5,050.00	83.14	87.22	-36.36	-6,842.40	4,424.42	4,715.89	4,593.34	122.55	38.481		
13,500.00	7,630.00	5,050.00	5,050.00	84.63	87.22	-36.36	-6,842.40	4,424.42	4,642.42	4,519.78	122.63	37.857		
13,600.00	7,630.00	5,050.00	5,050.00	86.14	87.22	-36.36	-6,842.40	4,424.42	4,569.95	4,447.18	122.77	37.224		
13,700.00	7,630.00	5,050.00	5,050.00	87.65	87.22	-36.36	-6,842.40	4,424.42	4,498.54	4,375.58	122.96	36.584		
13,800.00	7,630.00	5,050.00	5,050.00	89.17	87.22	-36.36	-6,842.40	4,424.42	4,428.24	4,305.01	123.22	35.937		
13,900.00	7,630.00	5,050.00	5,050.00	90.70	87.22	-36.36	-6,842.40	4,424.42	4,359.09	4,235.55	123.54	35.284		
14,000.00	7,630.00	5,050.00	5,050.00	92.24	87.22	-36.36	-6,842.40	4,424.42	4,291.17	4,167.24	123.93	34.626		
14,100.00	7,630.00	5,050.00	5,050.00	93.78	87.22	-36.36	-6,842.40	4,424.42	4,224.52	4,100.13	124.39	33.963		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	95.33	87.22	-36.36	-6,842.40	4,424.42	4,159.20	4,034.29	124.91	33.297		
14,300.00	7,630.00	5,050.00	5,050.00	96.89	87.22	-36.36	-6,842.40	4,424.42	4,095.29	3,969.78	125.51	32.630		
14,400.00	7,630.00	5,050.00	5,050.00	98.46	87.22	-36.36	-6,842.40	4,424.42	4,032.84	3,906.67	126.17	31.963		
14,500.00	7,630.00	5,050.00	5,050.00	100.03	87.22	-36.36	-6,842.40	4,424.42	3,971.93	3,845.01	126.91	31.297		
14,600.00	7,630.00	5,050.00	5,050.00	101.61	87.22	-36.36	-6,842.40	4,424.42	3,912.62	3,784.90	127.72	30.633		
14,700.00	7,630.00	5,050.00	5,050.00	103.20	87.22	-36.36	-6,842.40	4,424.42	3,855.00	3,726.39	128.61	29.974		
14,800.00	7,630.00	5,050.00	5,050.00	104.78	87.22	-36.36	-6,842.40	4,424.42	3,799.14	3,669.57	129.57	29.322		
14,900.00	7,630.00	5,050.00	5,050.00	106.38	87.22	-36.36	-6,842.40	4,424.42	3,745.11	3,614.52	130.60	28.677		
15,000.00	7,630.00	5,050.00	5,050.00	107.98	87.22	-36.36	-6,842.40	4,424.42	3,693.01	3,561.31	131.70	28.042		
15,100.00	7,630.00	5,050.00	5,050.00	109.58	87.22	-36.36	-6,842.40	4,424.42	3,642.90	3,510.03	132.87	27.418		
15,200.00	7,630.00	5,050.00	5,050.00	111.19	87.22	-36.36	-6,842.40	4,424.42	3,594.88	3,460.77	134.10	26.807		
15,300.00	7,630.00	5,050.00	5,050.00	112.81	87.22	-36.36	-6,842.40	4,424.42	3,549.02	3,413.61	135.41	26.209		
15,400.00	7,630.00	5,050.00	5,050.00	114.42	87.22	-36.36	-6,842.40	4,424.42	3,505.42	3,368.64	136.78	25.628		
15,500.00	7,630.00	5,050.00	5,050.00	116.05	87.22	-36.36	-6,842.40	4,424.42	3,464.16	3,325.94	138.22	25.063		
15,600.00	7,630.00	5,050.00	5,050.00	117.67	87.22	-36.36	-6,842.40	4,424.42	3,425.32	3,285.60	139.72	24.516		
15,700.00	7,630.00	5,050.00	5,050.00	119.30	87.22	-36.36	-6,842.40	4,424.42	3,388.99	3,247.71	141.27	23.989		
15,800.00	7,630.00	5,050.00	5,050.00	120.93	87.22	-36.36	-6,842.40	4,424.42	3,355.24	3,212.35	142.89	23.481		
15,900.00	7,630.00	5,050.00	5,050.00	122.57	87.22	-36.36	-6,842.40	4,424.42	3,324.16	3,179.60	144.56	22.995		
16,000.00	7,630.00	5,050.00	5,050.00	124.21	87.22	-36.36	-6,842.40	4,424.42	3,295.83	3,149.54	146.29	22.530		
16,100.00	7,630.00	5,050.00	5,050.00	125.85	87.22	-36.36	-6,842.40	4,424.42	3,270.31	3,122.24	148.06	22.087		
16,200.00	7,630.00	5,050.00	5,050.00	127.50	87.22	-36.36	-6,842.40	4,424.42	3,247.66	3,097.78	149.89	21.667		
16,300.00	7,630.00	5,050.00	5,050.00	129.15	87.22	-36.36	-6,842.40	4,424.42	3,227.96	3,076.20	151.76	21.271		
16,400.00	7,630.00	5,050.00	5,050.00	130.80	87.22	-36.36	-6,842.40	4,424.42	3,211.25	3,057.59	153.67	20.897		
16,500.00	7,630.00	5,050.00	5,050.00	132.46	87.22	-36.36	-6,842.40	4,424.42	3,197.59	3,041.97	155.62	20.548		
16,600.00	7,630.00	5,050.00	5,050.00	134.11	87.22	-36.36	-6,842.40	4,424.42	3,187.00	3,029.41	157.60	20.223		
16,700.00	7,630.00	5,050.00	5,050.00	135.77	87.22	-36.36	-6,842.40	4,424.42	3,179.53	3,019.92	159.61	19.921		
16,800.00	7,630.00	5,050.00	5,050.00	137.43	87.22	-36.36	-6,842.40	4,424.42	3,175.19	3,013.55	161.63	19.644		
16,887.91	7,630.00	5,050.00	5,050.00	138.90	87.22	-36.36	-6,842.40	4,424.42	3,173.97	3,010.54	163.43	19.421 CC		
16,900.00	7,630.00	5,050.00	5,050.00	139.10	87.22	-36.36	-6,842.40	4,424.42	3,174.00	3,010.32	163.68	19.392		
17,000.00	7,630.00	5,050.00	5,050.00	140.77	87.22	-36.36	-6,842.40	4,424.42	3,175.95	3,010.22	165.73	19.163 ES		
17,100.00	7,630.00	5,050.00	5,050.00	142.44	87.22	-36.36	-6,842.40	4,424.42	3,181.05	3,013.27	167.78	18.959		
17,200.00	7,630.00	5,050.00	5,050.00	144.11	87.22	-36.36	-6,842.40	4,424.42	3,189.28	3,019.45	169.83	18.780		
17,300.00	7,630.00	5,050.00	5,050.00	145.78	87.22	-36.36	-6,842.40	4,424.42	3,200.61	3,028.76	171.85	18.624		
17,400.00	7,630.00	5,050.00	5,050.00	147.46	87.22	-36.36	-6,842.40	4,424.42	3,215.02	3,041.17	173.85	18.493		
17,500.00	7,630.00	5,050.00	5,050.00	149.13	87.22	-36.36	-6,842.40	4,424.42	3,232.45	3,056.64	175.81	18.386		
17,600.00	7,630.00	5,050.00	5,050.00	150.81	87.22	-36.36	-6,842.40	4,424.42	3,252.87	3,075.14	177.73	18.302		
17,700.00	7,630.00	5,050.00	5,050.00	152.49	87.22	-36.36	-6,842.40	4,424.42	3,276.22	3,096.62	179.60	18.242		
17,800.00	7,630.00	5,050.00	5,050.00	154.18	87.22	-36.36	-6,842.40	4,424.42	3,302.42	3,121.02	181.41	18.204		
17,900.00	7,630.00	5,050.00	5,050.00	155.86	87.22	-36.36	-6,842.40	4,424.42	3,331.43	3,148.28	183.15	18.189 SF		
18,000.00	7,630.00	5,050.00	5,050.00	157.55	87.22	-36.36	-6,842.40	4,424.42	3,363.16	3,178.33	184.83	18.196		
18,100.00	7,630.00	5,050.00	5,050.00	159.24	87.22	-36.36	-6,842.40	4,424.42	3,397.54	3,211.11	186.43	18.224		
18,200.00	7,630.00	5,050.00	5,050.00	160.92	87.22	-36.36	-6,842.40	4,424.42	3,434.48	3,246.53	187.95	18.273		
18,300.00	7,630.00	5,050.00	5,050.00	162.62	87.22	-36.36	-6,842.40	4,424.42	3,473.92	3,284.52	189.39	18.342		
18,400.00	7,630.00	5,050.00	5,050.00	164.31	87.22	-36.36	-6,842.40	4,424.42	3,515.75	3,325.00	190.75	18.431		
18,458.39	7,630.00	5,050.00	5,050.00	165.30	87.22	-36.36	-6,842.40	4,424.42	3,541.26	3,349.75	191.51	18.491		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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-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	151.66	-8,182.61	4,412.33	9,296.50					
100.00	100.00	67.00	67.00	0.13	0.56	151.66	-8,182.61	4,412.33	9,296.44	9,295.75	0.69	N/A		
200.00	200.00	167.00	167.00	0.49	2.00	151.66	-8,182.61	4,412.33	9,296.44	9,293.95	2.49	3,731.561		
300.00	300.00	267.00	267.00	0.85	3.74	151.66	-8,182.61	4,412.33	9,296.44	9,291.85	4.60	2,023.120		
400.00	400.00	367.00	367.00	1.21	5.49	151.66	-8,182.61	4,412.33	9,296.44	9,289.74	6.70	1,387.756		
500.00	500.00	467.00	467.00	1.57	7.23	151.66	-8,182.61	4,412.33	9,296.44	9,287.64	8.80	1,056.089		
600.00	600.00	567.00	567.00	1.93	8.98	151.66	-8,182.61	4,412.33	9,296.44	9,285.54	10.91	852.376		
700.00	700.00	667.00	667.00	2.29	10.73	151.66	-8,182.61	4,412.33	9,296.44	9,283.43	13.01	714.545		
800.00	800.00	767.00	767.00	2.64	12.47	151.66	-8,182.61	4,412.33	9,296.44	9,281.33	15.11	615.084		
900.00	900.00	867.00	867.00	3.00	14.22	151.66	-8,182.61	4,412.33	9,296.44	9,279.23	17.22	539.929		
1,000.00	1,000.00	967.00	967.00	3.36	15.96	151.66	-8,182.61	4,412.33	9,296.44	9,277.12	19.32	481.140		
1,100.00	1,100.00	1,067.00	1,067.00	3.72	17.71	151.66	-8,182.61	4,412.33	9,296.44	9,275.02	21.43	433.896		
1,200.00	1,199.98	1,166.98	1,166.98	4.07	19.45	100.60	-8,182.61	4,412.33	9,296.76	9,273.24	23.53	395.173		
1,300.00	1,299.84	1,266.84	1,266.84	4.43	21.19	100.61	-8,182.61	4,412.33	9,297.73	9,272.11	25.62	362.870		
1,400.00	1,399.45	1,366.45	1,366.45	4.79	22.93	100.63	-8,182.61	4,412.33	9,299.34	9,271.62	27.72	335.477		
1,500.00	1,498.70	1,465.70	1,465.70	5.15	24.67	100.66	-8,182.61	4,412.33	9,301.61	9,271.79	29.82	311.943		
1,600.00	1,597.47	1,564.47	1,564.47	5.53	26.39	100.70	-8,182.61	4,412.33	9,304.55	9,272.62	31.92	291.492		
1,700.00	1,695.62	1,662.62	1,662.62	5.93	28.10	100.74	-8,182.61	4,412.33	9,308.16	9,274.13	34.03	273.536		
1,800.00	1,793.06	1,760.06	1,760.06	6.35	29.80	100.79	-8,182.61	4,412.33	9,312.47	9,276.32	36.15	257.627		
1,900.00	1,889.64	1,856.64	1,856.64	6.79	31.49	100.84	-8,182.61	4,412.33	9,317.49	9,279.21	38.28	243.417		
2,000.00	1,985.27	1,952.27	1,952.27	7.27	33.16	100.90	-8,182.61	4,412.33	9,323.25	9,282.82	40.42	230.632		
2,100.00	2,079.82	2,046.82	2,046.82	7.79	34.81	100.96	-8,182.61	4,412.33	9,329.76	9,287.17	42.59	219.058		
2,200.00	2,173.17	2,140.17	2,140.17	8.36	36.44	101.01	-8,182.61	4,412.33	9,337.06	9,292.28	44.78	208.520		
2,300.00	2,265.21	2,232.21	2,232.21	8.97	38.04	101.07	-8,182.61	4,412.33	9,345.16	9,298.17	46.99	198.881		
2,400.00	2,355.84	2,322.84	2,322.84	9.64	39.62	101.13	-8,182.61	4,412.33	9,354.10	9,304.88	49.23	190.027		
2,500.00	2,444.94	2,411.94	2,411.94	10.36	41.18	101.18	-8,182.61	4,412.33	9,363.91	9,312.42	51.49	181.865		
2,591.69	2,525.19	2,507.81	2,492.19	11.07	42.85	101.22	-8,182.61	4,412.33	9,373.69	9,319.83	53.86	174.039		
2,600.00	2,532.40	2,500.60	2,499.40	11.14	42.73	101.24	-8,182.61	4,412.33	9,374.62	9,320.82	53.80	174.251		
2,700.00	2,619.15	2,586.15	2,586.15	11.96	44.22	101.50	-8,182.61	4,412.33	9,385.85	9,329.76	56.09	167.324		
2,800.00	2,705.89	2,672.89	2,672.89	12.81	45.73	101.76	-8,182.61	4,412.33	9,397.33	9,338.91	58.43	160.832		
2,900.00	2,792.64	2,759.64	2,759.64	13.67	47.25	102.02	-8,182.61	4,412.33	9,409.07	9,348.29	60.78	154.802		
3,000.00	2,879.39	2,846.39	2,846.39	14.55	48.76	102.28	-8,182.61	4,412.33	9,421.05	9,357.90	63.15	149.196		
3,100.00	2,966.14	2,933.14	2,933.14	15.44	50.28	102.54	-8,182.61	4,412.33	9,433.28	9,367.76	65.52	143.976		
3,200.00	3,052.88	3,019.88	3,019.88	16.34	51.79	102.79	-8,182.61	4,412.33	9,445.75	9,377.85	67.90	139.107		
3,300.00	3,139.63	3,106.63	3,106.63	17.25	53.30	103.05	-8,182.61	4,412.33	9,458.47	9,388.18	70.29	134.560		
3,400.00	3,226.38	3,206.62	3,193.38	18.17	55.05	103.31	-8,182.61	4,412.33	9,471.44	9,398.52	72.92	129.892		
3,500.00	3,313.12	3,280.12	3,280.12	19.09	56.33	103.56	-8,182.61	4,412.33	9,484.64	9,409.56	75.08	126.319		
3,600.00	3,399.87	3,366.87	3,366.87	20.02	57.85	103.82	-8,182.61	4,412.33	9,498.09	9,420.61	77.49	122.577		
3,700.00	3,486.62	3,453.62	3,453.62	20.96	59.36	104.07	-8,182.61	4,412.33	9,511.78	9,431.89	79.89	119.060		
3,800.00	3,573.37	3,540.37	3,540.37	21.90	60.87	104.33	-8,182.61	4,412.33	9,525.72	9,443.42	82.30	115.749		
3,900.00	3,660.11	3,627.11	3,627.11	22.84	62.39	104.58	-8,182.61	4,412.33	9,539.89	9,455.18	84.70	112.627		
4,000.00	3,746.86	3,713.86	3,713.86	23.78	63.90	104.83	-8,182.61	4,412.33	9,554.29	9,467.18	87.11	109.679		
4,100.00	3,833.61	3,800.61	3,800.61	24.73	65.42	105.09	-8,182.61	4,412.33	9,568.94	9,479.42	89.52	106.892		
4,200.00	3,920.35	3,887.35	3,887.35	25.68	66.93	105.34	-8,182.61	4,412.33	9,583.82	9,491.89	91.93	104.254		
4,300.00	4,007.10	3,974.10	3,974.10	26.63	68.44	105.59	-8,182.61	4,412.33	9,598.93	9,504.60	94.34	101.753		
4,400.00	4,093.85	4,060.85	4,060.85	27.59	69.96	105.84	-8,182.61	4,412.33	9,614.28	9,517.54	96.74	99.379		
4,500.00	4,180.60	4,147.60	4,147.60	28.55	71.47	106.09	-8,182.61	4,412.33	9,629.87	9,530.72	99.15	97.125		
4,600.00	4,267.34	4,234.34	4,234.34	29.50	72.99	106.34	-8,182.61	4,412.33	9,645.68	9,544.12	101.56	94.980		
4,700.00	4,354.09	4,321.09	4,321.09	30.46	74.50	106.59	-8,182.61	4,412.33	9,661.72	9,557.76	103.96	92.937		
4,800.00	4,440.84	4,407.84	4,407.84	31.42	76.01	106.84	-8,182.61	4,412.33	9,678.00	9,571.63	106.36	90.991		
4,900.00	4,527.58	4,505.42	4,494.58	32.39	77.72	107.08	-8,182.61	4,412.33	9,694.50	9,585.54	108.95	88.979		
5,000.00	4,614.33	4,581.33	4,581.33	33.35	79.04	107.33	-8,182.61	4,412.33	9,711.22	9,600.06	111.16	87.360		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,701.08	4,668.08	4,668.08	34.31	80.56	107.58	-8,182.61	4,412.33	9,728.18	9,614.61	113.56	85.664		
5,200.00	4,787.82	4,754.82	4,754.82	35.28	82.07	107.82	-8,182.61	4,412.33	9,745.35	9,629.40	115.96	84.042		
5,300.00	4,874.57	4,841.57	4,841.57	36.25	83.59	108.07	-8,182.61	4,412.33	9,762.75	9,644.40	118.35	82.489		
5,400.00	4,961.32	4,928.32	4,928.32	37.21	85.10	108.31	-8,182.61	4,412.33	9,780.38	9,659.63	120.74	81.001		
5,500.00	5,048.07	5,015.07	5,015.07	38.18	86.61	108.56	-8,182.61	4,412.33	9,798.22	9,675.09	123.13	79.574		
5,600.00	5,134.81	5,048.00	5,048.00	39.15	87.19	108.65	-8,182.61	4,412.33	9,816.43	9,691.86	124.57	78.802		
5,700.00	5,221.56	5,048.00	5,048.00	40.12	87.19	108.65	-8,182.61	4,412.33	9,835.57	9,710.16	125.41	78.425		
5,800.00	5,308.31	5,048.00	5,048.00	41.09	87.19	108.65	-8,182.61	4,412.33	9,855.69	9,729.44	126.25	78.067		
5,900.00	5,395.05	5,048.00	5,048.00	42.06	87.19	108.65	-8,182.61	4,412.33	9,876.78	9,749.71	127.06	77.730		
6,000.00	5,481.80	5,048.00	5,048.00	43.03	87.19	108.65	-8,182.61	4,412.33	9,898.83	9,770.96	127.87	77.413		
6,100.00	5,568.55	5,048.00	5,048.00	44.00	87.19	108.65	-8,182.61	4,412.33	9,921.84	9,793.18	128.66	77.115		
6,200.00	5,655.30	5,048.00	5,048.00	44.97	87.19	108.65	-8,182.61	4,412.33	9,945.81	9,816.36	129.44	76.836		
6,300.00	5,742.04	5,048.00	5,048.00	45.94	87.19	108.65	-8,182.61	4,412.33	9,970.72	9,840.51	130.21	76.576		
6,400.00	5,828.79	5,048.00	5,048.00	46.92	87.19	108.65	-8,182.61	4,412.33	9,996.56	9,865.60	130.96	76.333		
8,750.00	7,629.78	5,048.00	5,048.00	60.35	87.19	-32.23	-8,182.61	4,412.33	9,992.23	9,852.00	140.23	71.256		
8,766.45	7,630.00	5,048.00	5,048.00	60.27	87.19	-36.33	-8,182.61	4,412.33	9,976.67	9,836.49	140.18	71.169		
8,800.00	7,630.00	5,048.00	5,048.00	60.10	87.19	-36.33	-8,182.61	4,412.33	9,944.85	9,804.77	140.08	70.992		
8,900.00	7,630.00	5,048.00	5,048.00	59.61	87.19	-36.33	-8,182.61	4,412.33	9,850.10	9,710.31	139.79	70.465		
9,000.00	7,630.00	5,048.00	5,048.00	59.15	87.19	-36.33	-8,182.61	4,412.33	9,755.45	9,615.96	139.49	69.938		
9,100.00	7,630.00	5,048.00	5,048.00	58.71	87.19	-36.33	-8,182.61	4,412.33	9,660.91	9,521.73	139.18	69.411		
9,200.00	7,630.00	5,048.00	5,048.00	58.30	87.19	-36.33	-8,182.61	4,412.33	9,566.48	9,427.60	138.88	68.885		
9,300.00	7,630.00	5,048.00	5,048.00	57.91	87.19	-36.33	-8,182.61	4,412.33	9,472.17	9,333.60	138.57	68.359		
9,400.00	7,630.00	5,048.00	5,048.00	57.54	87.19	-36.33	-8,182.61	4,412.33	9,377.97	9,239.72	138.25	67.833		
9,500.00	7,630.00	5,048.00	5,048.00	57.19	87.19	-36.33	-8,182.61	4,412.33	9,283.89	9,145.96	137.93	67.307		
9,600.00	7,630.00	5,048.00	5,048.00	56.87	87.19	-36.33	-8,182.61	4,412.33	9,189.94	9,052.33	137.61	66.781		
9,700.00	7,630.00	5,048.00	5,048.00	56.57	87.19	-36.33	-8,182.61	4,412.33	9,096.12	8,958.83	137.29	66.256		
9,800.00	7,630.00	5,048.00	5,048.00	56.30	87.19	-36.33	-8,182.61	4,412.33	9,002.43	8,865.47	136.96	65.731		
9,900.00	7,630.00	5,048.00	5,048.00	56.05	87.19	-36.33	-8,182.61	4,412.33	8,908.88	8,772.25	136.63	65.206		
10,000.00	7,630.00	5,048.00	5,048.00	55.82	87.19	-36.33	-8,182.61	4,412.33	8,815.47	8,679.18	136.29	64.681		
10,100.00	7,630.00	5,048.00	5,048.00	55.63	87.19	-36.33	-8,182.61	4,412.33	8,722.21	8,586.25	135.95	64.155		
10,200.00	7,630.00	5,048.00	5,048.00	55.46	87.19	-36.33	-8,182.61	4,412.33	8,629.09	8,493.48	135.61	63.630		
10,300.00	7,630.00	5,048.00	5,048.00	55.32	87.19	-36.33	-8,182.61	4,412.33	8,536.14	8,400.87	135.27	63.105		
10,400.00	7,630.00	5,048.00	5,048.00	55.22	87.19	-36.33	-8,182.61	4,412.33	8,443.34	8,308.42	134.92	62.580		
10,500.00	7,630.00	5,048.00	5,048.00	55.15	87.19	-36.33	-8,182.61	4,412.33	8,350.71	8,216.14	134.57	62.054		
10,600.00	7,630.00	5,048.00	5,048.00	55.14	87.19	-36.33	-8,182.61	4,412.33	8,258.25	8,124.03	134.22	61.528		
10,700.00	7,630.00	5,048.00	5,048.00	55.18	87.19	-36.33	-8,182.61	4,412.33	8,165.97	8,032.11	133.86	61.002		
10,800.00	7,630.00	5,048.00	5,048.00	55.28	87.19	-36.33	-8,182.61	4,412.33	8,073.87	7,940.37	133.51	60.475		
10,900.00	7,630.00	5,048.00	5,048.00	55.47	87.19	-36.33	-8,182.61	4,412.33	7,981.97	7,848.82	133.15	59.948		
11,000.00	7,630.00	5,048.00	5,048.00	55.74	87.19	-36.33	-8,182.61	4,412.33	7,890.26	7,757.47	132.79	59.420		
11,100.00	7,630.00	5,048.00	5,048.00	56.11	87.19	-36.33	-8,182.61	4,412.33	7,798.75	7,666.33	132.43	58.891		
11,200.00	7,630.00	5,048.00	5,048.00	56.60	87.19	-36.33	-8,182.61	4,412.33	7,707.46	7,575.39	132.07	58.361		
11,300.00	7,630.00	5,048.00	5,048.00	57.20	87.19	-36.33	-8,182.61	4,412.33	7,616.38	7,484.68	131.70	57.830		
11,400.00	7,630.00	5,048.00	5,048.00	57.91	87.19	-36.33	-8,182.61	4,412.33	7,525.53	7,394.19	131.34	57.298		
11,500.00	7,630.00	5,048.00	5,048.00	58.72	87.19	-36.33	-8,182.61	4,412.33	7,434.92	7,303.94	130.98	56.764		
11,600.00	7,630.00	5,048.00	5,048.00	59.63	87.19	-36.33	-8,182.61	4,412.33	7,344.55	7,213.93	130.62	56.229		
11,700.00	7,630.00	5,048.00	5,048.00	60.61	87.19	-36.33	-8,182.61	4,412.33	7,254.43	7,124.17	130.26	55.692		
11,800.00	7,630.00	5,048.00	5,048.00	61.67	87.19	-36.33	-8,182.61	4,412.33	7,164.57	7,034.67	129.90	55.153		
11,900.00	7,630.00	5,048.00	5,048.00	62.78	87.19	-36.33	-8,182.61	4,412.33	7,074.99	6,945.44	129.55	54.612		
12,000.00	7,630.00	5,048.00	5,048.00	63.95	87.19	-36.33	-8,182.61	4,412.33	6,985.69	6,856.49	129.20	54.069		
12,100.00	7,630.00	5,048.00	5,048.00	65.16	87.19	-36.33	-8,182.61	4,412.33	6,896.68	6,767.83	128.86	53.522		
12,200.00	7,630.00	5,048.00	5,048.00	66.41	87.19	-36.33	-8,182.61	4,412.33	6,807.98	6,679.46	128.52	52.973		
12,300.00	7,630.00	5,048.00	5,048.00	67.68	87.19	-36.33	-8,182.61	4,412.33	6,719.60	6,591.41	128.19	52.420		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
12,400.00	7,630.00	5,048.00	5,048.00	68.99	87.19	-36.33	-8,182.61	4,412.33	6,631.54	6,503.68	127.87	51.863		
12,500.00	7,630.00	5,048.00	5,048.00	70.33	87.19	-36.33	-8,182.61	4,412.33	6,543.83	6,416.28	127.55	51.303		
12,600.00	7,630.00	5,048.00	5,048.00	71.68	87.19	-36.33	-8,182.61	4,412.33	6,456.48	6,329.22	127.25	50.738		
12,700.00	7,630.00	5,048.00	5,048.00	73.06	87.19	-36.33	-8,182.61	4,412.33	6,369.49	6,242.53	126.96	50.169		
12,800.00	7,630.00	5,048.00	5,048.00	74.45	87.19	-36.33	-8,182.61	4,412.33	6,282.90	6,156.21	126.69	49.594		
12,900.00	7,630.00	5,048.00	5,048.00	75.87	87.19	-36.33	-8,182.61	4,412.33	6,196.71	6,070.28	126.43	49.014		
13,000.00	7,630.00	5,048.00	5,048.00	77.29	87.19	-36.33	-8,182.61	4,412.33	6,110.94	5,984.75	126.18	48.428		
13,100.00	7,630.00	5,048.00	5,048.00	78.74	87.19	-36.33	-8,182.61	4,412.33	6,025.61	5,899.64	125.96	47.836		
13,200.00	7,630.00	5,048.00	5,048.00	80.19	87.19	-36.33	-8,182.61	4,412.33	5,940.73	5,814.97	125.76	47.238		
13,300.00	7,630.00	5,048.00	5,048.00	81.66	87.19	-36.33	-8,182.61	4,412.33	5,856.33	5,730.75	125.58	46.633		
13,400.00	7,630.00	5,048.00	5,048.00	83.14	87.19	-36.33	-8,182.61	4,412.33	5,772.44	5,647.00	125.43	46.020		
13,500.00	7,630.00	5,048.00	5,048.00	84.63	87.19	-36.33	-8,182.61	4,412.33	5,689.06	5,563.75	125.31	45.400		
13,600.00	7,630.00	5,048.00	5,048.00	86.14	87.19	-36.33	-8,182.61	4,412.33	5,606.23	5,481.01	125.22	44.771		
13,700.00	7,630.00	5,048.00	5,048.00	87.65	87.19	-36.33	-8,182.61	4,412.33	5,523.96	5,398.80	125.16	44.135		
13,800.00	7,630.00	5,048.00	5,048.00	89.17	87.19	-36.33	-8,182.61	4,412.33	5,442.29	5,317.15	125.14	43.491		
13,900.00	7,630.00	5,048.00	5,048.00	90.70	87.19	-36.33	-8,182.61	4,412.33	5,361.24	5,236.09	125.15	42.838		
14,000.00	7,630.00	5,048.00	5,048.00	92.24	87.19	-36.33	-8,182.61	4,412.33	5,280.84	5,155.63	125.21	42.176		
14,100.00	7,630.00	5,048.00	5,048.00	93.78	87.19	-36.33	-8,182.61	4,412.33	5,201.12	5,075.81	125.31	41.507		
14,200.00	7,630.00	5,048.00	5,048.00	95.33	87.19	-36.33	-8,182.61	4,412.33	5,122.11	4,996.65	125.45	40.829		
14,300.00	7,630.00	5,048.00	5,048.00	96.89	87.19	-36.33	-8,182.61	4,412.33	5,043.84	4,918.19	125.65	40.143		
14,400.00	7,630.00	5,048.00	5,048.00	98.46	87.19	-36.33	-8,182.61	4,412.33	4,966.36	4,840.47	125.89	39.449		
14,500.00	7,630.00	5,048.00	5,048.00	100.03	87.19	-36.33	-8,182.61	4,412.33	4,889.69	4,763.50	126.19	38.748		
14,600.00	7,630.00	5,048.00	5,048.00	101.61	87.19	-36.33	-8,182.61	4,412.33	4,813.88	4,687.34	126.54	38.041		
14,700.00	7,630.00	5,048.00	5,048.00	103.20	87.19	-36.33	-8,182.61	4,412.33	4,738.97	4,612.01	126.96	37.327		
14,800.00	7,630.00	5,048.00	5,048.00	104.78	87.19	-36.33	-8,182.61	4,412.33	4,665.00	4,537.57	127.43	36.609		
14,900.00	7,630.00	5,048.00	5,048.00	106.38	87.19	-36.33	-8,182.61	4,412.33	4,592.01	4,464.05	127.96	35.886		
15,000.00	7,630.00	5,048.00	5,048.00	107.98	87.19	-36.33	-8,182.61	4,412.33	4,520.06	4,391.50	128.56	35.160		
15,100.00	7,630.00	5,048.00	5,048.00	109.58	87.19	-36.33	-8,182.61	4,412.33	4,449.19	4,319.97	129.22	34.432		
15,200.00	7,630.00	5,048.00	5,048.00	111.19	87.19	-36.33	-8,182.61	4,412.33	4,379.46	4,249.52	129.94	33.703		
15,300.00	7,630.00	5,048.00	5,048.00	112.81	87.19	-36.33	-8,182.61	4,412.33	4,310.92	4,180.19	130.73	32.975		
15,400.00	7,630.00	5,048.00	5,048.00	114.42	87.19	-36.33	-8,182.61	4,412.33	4,243.63	4,112.04	131.59	32.248		
15,500.00	7,630.00	5,048.00	5,048.00	116.05	87.19	-36.33	-8,182.61	4,412.33	4,177.65	4,045.13	132.52	31.525		
15,600.00	7,630.00	5,048.00	5,048.00	117.67	87.19	-36.33	-8,182.61	4,412.33	4,113.04	3,979.53	133.51	30.806		
15,700.00	7,630.00	5,048.00	5,048.00	119.30	87.19	-36.33	-8,182.61	4,412.33	4,049.88	3,915.30	134.57	30.094		
15,800.00	7,630.00	5,048.00	5,048.00	120.93	87.19	-36.33	-8,182.61	4,412.33	3,988.22	3,852.51	135.70	29.389		
15,900.00	7,630.00	5,048.00	5,048.00	122.57	87.19	-36.33	-8,182.61	4,412.33	3,928.13	3,791.23	136.90	28.694		
16,000.00	7,630.00	5,048.00	5,048.00	124.21	87.19	-36.33	-8,182.61	4,412.33	3,869.70	3,731.54	138.16	28.009		
16,100.00	7,630.00	5,048.00	5,048.00	125.85	87.19	-36.33	-8,182.61	4,412.33	3,813.00	3,673.51	139.49	27.336		
16,200.00	7,630.00	5,048.00	5,048.00	127.50	87.19	-36.33	-8,182.61	4,412.33	3,758.10	3,617.23	140.87	26.677		
16,300.00	7,630.00	5,048.00	5,048.00	129.15	87.19	-36.33	-8,182.61	4,412.33	3,705.09	3,562.77	142.33	26.033		
16,400.00	7,630.00	5,048.00	5,048.00	130.80	87.19	-36.33	-8,182.61	4,412.33	3,654.05	3,510.21	143.84	25.404		
16,500.00	7,630.00	5,048.00	5,048.00	132.46	87.19	-36.33	-8,182.61	4,412.33	3,605.06	3,459.65	145.41	24.793		
16,600.00	7,630.00	5,048.00	5,048.00	134.11	87.19	-36.33	-8,182.61	4,412.33	3,558.20	3,411.17	147.03	24.200		
16,700.00	7,630.00	5,048.00	5,048.00	135.77	87.19	-36.33	-8,182.61	4,412.33	3,513.57	3,364.86	148.71	23.627		
16,800.00	7,630.00	5,048.00	5,048.00	137.43	87.19	-36.33	-8,182.61	4,412.33	3,471.25	3,320.80	150.44	23.074		
16,900.00	7,630.00	5,048.00	5,048.00	139.10	87.19	-36.33	-8,182.61	4,412.33	3,431.31	3,279.09	152.22	22.542		
17,000.00	7,630.00	5,048.00	5,048.00	140.77	87.19	-36.33	-8,182.61	4,412.33	3,393.86	3,239.81	154.05	22.031		
17,100.00	7,630.00	5,048.00	5,048.00	142.44	87.19	-36.33	-8,182.61	4,412.33	3,358.97	3,203.05	155.92	21.544		
17,200.00	7,630.00	5,048.00	5,048.00	144.11	87.19	-36.33	-8,182.61	4,412.33	3,326.71	3,168.89	157.83	21.078		
17,300.00	7,630.00	5,048.00	5,048.00	145.78	87.19	-36.33	-8,182.61	4,412.33	3,297.18	3,137.41	159.77	20.637		
17,400.00	7,630.00	5,048.00	5,048.00	147.46	87.19	-36.33	-8,182.61	4,412.33	3,270.44	3,108.68	161.75	20.219		
17,500.00	7,630.00	5,048.00	5,048.00	149.13	87.19	-36.33	-8,182.61	4,412.33	3,246.56	3,082.79	163.77	19.824		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<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	
17,600.00	7,630.00	5,048.00	5,048.00	150.81	87.19	-36.33	-8,182.61	4,412.33	3,225.60	3,059.79	165.81	19.454	
17,700.00	7,630.00	5,048.00	5,048.00	152.49	87.19	-36.33	-8,182.61	4,412.33	3,207.63	3,039.75	167.87	19.108	
17,800.00	7,630.00	5,048.00	5,048.00	154.18	87.19	-36.33	-8,182.61	4,412.33	3,192.68	3,022.73	169.96	18.785	
17,900.00	7,630.00	5,048.00	5,048.00	155.86	87.19	-36.33	-8,182.61	4,412.33	3,180.82	3,008.76	172.05	18.487	
18,000.00	7,630.00	5,048.00	5,048.00	157.55	87.19	-36.33	-8,182.61	4,412.33	3,172.06	2,997.90	174.16	18.213	
18,100.00	7,630.00	5,048.00	5,048.00	159.24	87.19	-36.33	-8,182.61	4,412.33	3,166.44	2,990.17	176.27	17.963	
18,200.00	7,630.00	5,048.00	5,048.00	160.92	87.19	-36.33	-8,182.61	4,412.33	3,163.97	2,985.59	178.38	17.737	
18,228.16	7,630.00	5,048.00	5,048.00	161.40	87.19	-36.33	-8,182.61	4,412.33	3,163.84	2,984.87	178.97	17.678 CC	
18,300.00	7,630.00	5,048.00	5,048.00	162.62	87.19	-36.33	-8,182.61	4,412.33	3,164.66	2,984.18	180.48	17.535 ES	
18,400.00	7,630.00	5,048.00	5,048.00	164.31	87.19	-36.33	-8,182.61	4,412.33	3,168.51	2,985.95	182.56	17.356	
18,458.39	7,630.00	5,048.00	5,048.00	165.30	87.19	-36.33	-8,182.61	4,412.33	3,172.21	2,988.45	183.76	17.263 SF	



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
0.00	0.00	0.00	0.00	0.00	0.00	141.96	-4,069.26	3,183.59	5,166.65					
100.00	100.00	109.43	109.43	0.13	0.19	141.96	-4,069.23	3,183.27	5,166.46	5,166.13	0.33	N/A		
200.00	200.00	233.77	233.76	0.49	0.41	141.97	-4,069.10	3,182.12	5,165.80	5,164.90	0.90	5,712.453		
300.00	300.00	358.09	358.07	0.85	0.63	141.99	-4,068.88	3,180.14	5,164.68	5,163.20	1.48	3,486.572		
400.00	400.00	482.38	482.32	1.21	0.85	142.01	-4,068.56	3,177.33	5,163.09	5,161.03	2.06	2,508.550		
500.00	500.00	606.62	606.51	1.57	1.07	142.04	-4,068.15	3,173.69	5,161.03	5,158.40	2.64	1,958.639		
600.00	600.00	661.34	661.22	1.93	1.37	142.05	-4,067.90	3,172.73	5,159.39	5,156.10	3.30	1,565.534		
700.00	700.00	732.00	731.88	2.29	1.62	142.05	-4,067.32	3,172.39	5,158.40	5,154.50	3.90	1,323.195		
800.00	800.00	791.17	791.04	2.64	1.82	142.03	-4,066.53	3,173.15	5,158.06	5,153.61	4.46	1,157.602		
811.87	811.87	800.00	799.87	2.69	1.85	142.03	-4,066.39	3,173.34	5,158.06	5,153.53	4.53	1,139.136		
900.00	900.00	868.83	868.66	3.00	2.08	142.01	-4,065.00	3,175.34	5,158.23	5,153.16	5.08	1,016.064		
1,000.00	1,000.00	1,060.20	1,059.61	3.36	2.74	141.87	-4,056.91	3,184.43	5,157.93	5,151.83	6.10	845.164		
1,100.00	1,100.00	1,131.77	1,130.94	3.72	3.00	141.81	-4,052.63	3,188.45	5,156.73	5,150.01	6.72	767.506		
1,200.00	1,199.98	1,192.08	1,191.01	4.07	3.22	90.70	-4,049.05	3,192.55	5,156.30	5,149.01	7.29	706.970		
1,300.00	1,299.84	1,351.94	1,349.82	4.43	3.82	90.60	-4,037.15	3,206.37	5,155.96	5,147.71	8.25	625.172		
1,400.00	1,399.45	1,474.86	1,471.35	4.79	4.30	90.54	-4,024.36	3,219.64	5,154.57	5,145.48	9.09	567.141		
1,500.00	1,498.70	1,551.00	1,546.30	5.15	4.62	90.52	-4,015.30	3,229.44	5,153.34	5,143.57	9.77	527.490		
1,587.65	1,585.29	1,586.48	1,581.17	5.48	4.77	90.52	-4,011.03	3,234.47	5,152.89	5,142.64	10.25	502.628		
1,600.00	1,597.47	1,591.65	1,586.24	5.53	4.79	90.52	-4,010.42	3,235.23	5,152.90	5,142.58	10.32	499.272		
1,700.00	1,695.62	1,639.00	1,632.67	5.93	4.99	90.50	-4,004.90	3,242.68	5,153.63	5,142.71	10.92	472.032		
1,800.00	1,793.06	1,800.00	1,763.37	6.35	5.72	90.50	-3,988.18	3,265.71	5,154.82	5,142.76	12.06	427.362		
1,900.00	1,889.64	1,900.00	2,057.45	6.79	6.19	90.70	-3,945.02	3,311.78	5,153.07	5,140.10	12.97	397.248		
2,000.00	1,985.27	2,131.86	2,114.65	7.27	7.25	90.83	-3,936.62	3,319.08	5,150.01	5,135.49	14.52	354.739		
2,100.00	2,079.82	2,177.13	2,159.17	7.79	7.46	90.94	-3,930.76	3,324.88	5,148.18	5,132.93	15.24	337.700		
2,200.00	2,173.17	2,233.35	2,214.47	8.36	7.71	91.07	-3,923.93	3,332.32	5,147.35	5,131.28	16.06	320.437		
2,245.81	2,215.50	2,262.77	2,243.42	8.64	7.84	91.14	-3,920.49	3,336.31	5,147.27	5,130.80	16.48	312.400		
2,300.00	2,265.21	2,305.82	2,285.75	8.97	8.04	91.25	-3,915.45	3,342.32	5,147.35	5,130.34	17.01	302.675		
2,400.00	2,355.84	2,384.60	2,363.15	9.64	8.40	91.45	-3,906.19	3,353.72	5,147.89	5,129.86	18.03	285.470		
2,500.00	2,444.94	2,467.22	2,444.33	10.36	8.78	91.69	-3,896.74	3,365.78	5,148.98	5,129.84	19.13	269.091		
2,591.69	2,525.19	2,588.12	2,563.10	11.07	9.34	92.09	-3,882.76	3,383.52	5,150.22	5,129.81	20.41	252.353		
2,600.00	2,532.40	2,603.95	2,578.62	11.14	9.41	92.14	-3,880.76	3,385.91	5,150.30	5,129.75	20.55	250.632		
2,700.00	2,619.15	2,661.87	2,635.39	11.96	9.69	92.35	-3,873.54	3,394.89	5,151.61	5,129.96	21.65	237.997		
2,800.00	2,705.89	2,769.01	2,740.29	12.81	10.20	92.71	-3,860.17	3,412.11	5,153.47	5,130.47	23.00	224.041		
2,900.00	2,792.64	2,843.46	2,813.25	13.67	10.55	92.98	-3,851.02	3,423.76	5,155.41	5,131.19	24.22	212.894		
3,000.00	2,879.39	2,927.04	2,895.40	14.55	10.94	93.28	-3,841.72	3,436.00	5,157.89	5,132.41	25.48	202.434		
3,100.00	2,966.14	3,031.34	2,997.88	15.44	11.43	93.66	-3,830.00	3,451.48	5,160.59	5,133.74	26.85	192.179		
3,200.00	3,052.88	3,161.85	3,125.87	16.34	12.04	94.12	-3,813.88	3,471.19	5,162.68	5,134.31	28.37	181.985		
3,300.00	3,139.63	3,210.00	3,173.13	17.25	12.27	94.29	-3,808.10	3,478.37	5,165.33	5,135.83	29.50	175.101		
3,400.00	3,226.38	3,266.04	3,228.14	18.17	12.54	94.49	-3,801.74	3,486.99	5,168.93	5,138.26	30.67	168.526		
3,500.00	3,313.12	3,297.00	3,258.51	19.09	12.68	94.60	-3,798.40	3,492.00	5,173.70	5,141.98	31.72	163.083		
3,600.00	3,399.87	3,355.00	3,315.39	20.02	12.96	94.80	-3,792.60	3,501.73	5,179.51	5,146.60	32.91	157.376		
3,700.00	3,486.62	3,404.54	3,363.99	20.96	13.19	94.98	-3,788.18	3,510.27	5,186.46	5,152.40	34.06	152.287		
3,800.00	3,573.37	3,472.00	3,430.19	21.90	13.51	95.22	-3,782.66	3,521.99	5,194.28	5,158.99	35.29	147.182		
3,900.00	3,660.11	3,847.78	3,800.08	22.84	15.23	96.61	-3,746.30	3,576.59	5,199.00	5,161.02	37.98	136.885		
4,000.00	3,746.86	3,909.00	3,860.52	23.78	15.50	96.85	-3,739.86	3,583.91	5,202.68	5,163.50	39.18	132.788		
4,100.00	3,833.61	3,998.92	3,949.29	24.73	15.90	97.20	-3,730.65	3,594.86	5,206.94	5,166.43	40.51	128.537		
4,200.00	3,920.35	4,096.60	4,045.64	25.68	16.33	97.57	-3,720.30	3,607.18	5,211.37	5,169.50	41.87	124.455		
4,300.00	4,007.10	4,129.89	4,078.44	26.63	16.49	97.69	-3,716.89	3,611.70	5,216.62	5,173.67	42.95	121.453		
4,400.00	4,093.85	4,176.65	4,124.49	27.59	16.70	97.86	-3,712.32	3,618.49	5,223.02	5,178.93	44.09	118.469		
4,500.00	4,180.60	4,302.62	4,248.16	28.55	17.29	98.30	-3,698.87	3,638.22	5,229.38	5,183.76	45.62	114.640		
4,600.00	4,267.34	4,370.27	4,314.84	29.50	17.60	98.56	-3,692.45	3,647.69	5,236.23	5,189.39	46.85	111.772		
4,700.00	4,354.09	4,439.67	4,383.45	30.46	17.90	98.83	-3,686.79	3,656.48	5,243.78	5,195.71	48.07	109.084		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference 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		
4,800.00	4,440.84	4,546.70	4,489.72	31.42	18.33	99.28	-3,679.85	3,667.07	5,251.73	5,202.30	49.43	106.253		
4,900.00	4,527.58	4,670.66	4,613.28	32.39	18.79	99.85	-3,673.55	3,674.57	5,259.37	5,208.57	50.80	103.526		
5,000.00	4,614.33	4,777.20	4,719.68	33.35	19.15	100.37	-3,669.24	3,678.06	5,267.06	5,214.98	52.08	101.138		
5,100.00	4,701.08	4,852.80	4,795.23	34.31	19.39	100.76	-3,666.94	3,678.98	5,275.08	5,221.86	53.22	99.113		
5,200.00	4,787.82	4,962.42	4,904.82	35.28	19.71	101.34	-3,665.00	3,677.56	5,283.53	5,229.09	54.44	97.045		
5,300.00	4,874.57	5,083.08	5,025.40	36.25	20.05	102.01	-3,663.12	3,673.63	5,291.82	5,236.15	55.67	95.056		
5,400.00	4,961.32	5,182.60	5,124.83	37.21	20.32	102.56	-3,661.58	3,669.59	5,300.32	5,243.49	56.83	93.262		
5,500.00	5,048.07	5,288.67	5,230.78	38.18	20.61	103.15	-3,659.72	3,664.88	5,309.01	5,251.00	58.01	91.525		
5,600.00	5,134.81	5,344.12	5,286.17	39.15	20.77	103.46	-3,658.71	3,662.44	5,318.20	5,259.16	59.04	90.073		
5,700.00	5,221.56	5,390.65	5,332.66	40.12	20.90	103.71	-3,658.06	3,660.86	5,328.50	5,268.45	60.05	88.737		
5,800.00	5,308.31	5,437.48	5,379.48	41.09	21.04	103.97	-3,657.57	3,659.70	5,339.90	5,278.86	61.05	87.473		
5,900.00	5,395.05	5,487.61	5,429.60	42.06	21.18	104.23	-3,657.25	3,658.96	5,352.39	5,290.34	62.05	86.265		
6,000.00	5,481.80	5,565.75	5,507.73	43.03	21.41	104.64	-3,656.93	3,658.14	5,365.65	5,302.52	63.13	84.989		
6,100.00	5,568.55	5,643.91	5,585.89	44.00	21.64	105.05	-3,656.69	3,657.42	5,379.49	5,315.27	64.22	83.772		
6,200.00	5,655.30	5,731.60	5,673.58	44.97	21.90	105.51	-3,656.50	3,656.62	5,393.82	5,328.49	65.33	82.569		
6,300.00	5,742.04	5,820.71	5,762.68	45.94	22.17	105.98	-3,656.32	3,655.64	5,408.54	5,342.11	66.43	81.413		
6,400.00	5,828.79	5,917.77	5,859.73	46.92	22.46	106.49	-3,656.09	3,654.36	5,423.59	5,356.03	67.56	80.274		
6,500.00	5,915.54	6,015.50	5,957.45	47.89	22.75	106.99	-3,655.73	3,652.81	5,438.89	5,370.20	68.69	79.181		
6,600.00	6,002.28	6,112.55	6,054.48	48.86	23.04	107.50	-3,655.25	3,651.00	5,454.43	5,384.63	69.81	78.134		
6,700.00	6,089.03	6,204.53	6,146.44	49.83	23.32	107.98	-3,654.71	3,649.05	5,470.25	5,399.35	70.91	77.149		
6,800.00	6,175.78	6,286.06	6,227.94	50.81	23.56	108.40	-3,654.28	3,647.20	5,486.51	5,414.55	71.96	76.244		
6,900.00	6,262.53	6,370.23	6,312.10	51.78	23.82	108.84	-3,653.94	3,645.20	5,503.26	5,430.24	73.02	75.368		
7,000.00	6,349.27	6,467.63	6,409.46	52.76	24.11	109.34	-3,653.38	3,643.04	5,520.34	5,446.23	74.12	74.479		
7,100.00	6,436.02	6,559.94	6,501.75	53.73	24.40	109.81	-3,652.59	3,641.26	5,537.68	5,462.48	75.20	73.639		
7,200.00	6,522.77	6,643.61	6,585.41	54.71	24.66	110.23	-3,651.79	3,639.93	5,555.41	5,479.17	76.25	72.858		
7,300.00	6,609.51	6,726.51	6,668.30	55.68	24.92	110.64	-3,650.96	3,638.90	5,573.59	5,496.30	77.29	72.110		
7,400.00	6,696.26	6,807.43	6,749.21	56.66	25.19	111.04	-3,650.08	3,638.37	5,592.24	5,513.90	78.33	71.393		
7,500.00	6,783.01	6,888.02	6,829.80	57.63	25.45	111.42	-3,649.15	3,638.39	5,611.34	5,531.98	79.36	70.706		
7,600.00	6,869.76	6,963.68	6,905.45	58.61	25.69	111.78	-3,648.34	3,638.64	5,630.95	5,550.58	80.37	70.060		
7,683.49	6,942.18	7,026.81	6,968.58	59.42	25.90	112.08	-3,647.78	3,638.89	5,647.74	5,566.52	81.21	69.543		
7,700.00	6,956.57	7,039.34	6,981.11	59.58	25.94	109.78	-3,647.68	3,638.94	5,650.87	5,569.50	81.38	69.441		
7,750.00	7,000.85	7,078.56	7,020.33	60.04	26.07	101.74	-3,647.40	3,639.12	5,657.66	5,575.79	81.88	69.101		
7,800.00	7,045.94	7,118.75	7,060.51	60.46	26.20	92.14	-3,647.14	3,639.29	5,660.34	5,577.97	82.36	68.723		
7,850.00	7,091.49	7,159.30	7,101.07	60.84	26.33	81.39	-3,646.92	3,639.47	5,658.87	5,576.03	82.84	68.313		
7,900.00	7,137.15	7,199.94	7,141.71	61.17	26.47	70.25	-3,646.74	3,639.64	5,653.27	5,569.98	83.29	67.875		
7,950.00	7,182.58	7,249.25	7,191.02	61.44	26.63	59.63	-3,646.56	3,639.82	5,643.54	5,559.79	83.75	67.386		
8,000.00	7,227.43	7,313.68	7,255.44	61.67	26.84	50.22	-3,646.19	3,639.88	5,629.62	5,545.38	84.24	66.828		
8,050.00	7,271.36	7,376.45	7,318.21	61.84	27.04	42.18	-3,645.66	3,639.72	5,611.55	5,526.86	84.70	66.255		
8,100.00	7,314.04	7,439.99	7,381.75	61.96	27.25	35.47	-3,644.95	3,639.33	5,589.48	5,504.36	85.12	65.664		
8,150.00	7,355.14	7,502.58	7,444.33	62.04	27.46	29.85	-3,644.05	3,638.67	5,563.56	5,478.04	85.52	65.059		
8,200.00	7,394.34	7,561.73	7,503.46	62.07	27.65	25.06	-3,643.03	3,637.81	5,533.98	5,448.11	85.87	64.448		
8,250.00	7,431.36	8,250.00	7,514.18	62.06	29.90	20.68	-3,642.81	3,637.61	5,501.10	5,412.86	88.24	62.343		
8,300.00	7,465.90	7,611.76	7,553.48	62.01	27.81	16.74	-3,642.12	3,637.05	5,465.17	5,378.94	86.24	63.375		
8,350.00	7,497.71	7,630.51	7,572.22	61.93	27.87	12.85	-3,641.83	3,636.87	5,426.59	5,340.23	86.36	62.838		
8,400.00	7,526.53	7,647.56	7,589.27	61.81	27.93	8.79	-3,641.59	3,636.75	5,385.57	5,299.12	86.45	62.295		
8,450.00	7,552.17	7,662.77	7,604.48	61.66	27.98	4.23	-3,641.41	3,636.69	5,342.40	5,255.88	86.52	61.749		
8,500.00	7,574.41	7,676.00	7,617.71	61.48	28.02	-1.36	-3,641.26	3,636.66	5,297.39	5,210.84	86.56	61.202		
8,550.00	7,593.09	7,687.13	7,628.83	61.29	28.06	-8.85	-3,641.15	3,636.67	5,250.87	5,164.31	86.57	60.656		
8,600.00	7,608.07	7,696.04	7,637.75	61.07	28.09	-19.71	-3,641.07	3,636.68	5,203.18	5,116.62	86.56	60.113		
8,650.00	7,619.23	7,702.66	7,644.37	60.84	28.11	-36.22	-3,641.01	3,636.70	5,154.67	5,068.15	86.52	59.577		
8,700.00	7,626.48	7,706.90	7,648.61	60.60	28.12	-59.55	-3,640.98	3,636.72	5,105.71	5,019.24	86.46	59.050		
8,750.00	7,629.78	7,708.71	7,650.42	60.35	28.13	-84.59	-3,640.96	3,636.73	5,056.67	4,970.28	86.39	58.533		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference 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		
8,766.45	7,630.00	7,708.76	7,650.47	60.27	28.13	-91.72	-3,640.96	3,636.73	5,040.59	4,954.23	86.36	58.367		
8,800.00	7,630.00	7,708.61	7,650.31	60.10	28.13	-91.71	-3,640.96	3,636.73	5,007.82	4,921.52	86.30	58.028		
8,900.00	7,630.00	7,708.13	7,649.84	59.61	28.13	-91.68	-3,640.97	3,636.73	4,910.24	4,824.12	86.12	57.019		
9,000.00	7,630.00	7,707.65	7,649.35	59.15	28.13	-91.66	-3,640.97	3,636.72	4,812.76	4,726.83	85.93	56.011		
9,100.00	7,630.00	7,707.16	7,648.87	58.71	28.13	-91.63	-3,640.97	3,636.72	4,715.38	4,629.65	85.73	55.003		
9,200.00	7,630.00	7,706.67	7,648.37	58.30	28.12	-91.61	-3,640.98	3,636.72	4,618.11	4,532.58	85.53	53.996		
9,300.00	7,630.00	7,706.17	7,647.87	57.91	28.12	-91.58	-3,640.98	3,636.72	4,520.96	4,435.65	85.32	52.989		
9,400.00	7,630.00	7,705.66	7,647.37	57.54	28.12	-91.55	-3,640.99	3,636.71	4,423.95	4,338.84	85.10	51.984		
9,500.00	7,630.00	7,705.15	7,646.86	57.19	28.12	-91.53	-3,640.99	3,636.71	4,327.06	4,242.18	84.88	50.979		
9,600.00	7,630.00	7,704.64	7,646.34	56.87	28.12	-91.50	-3,640.99	3,636.71	4,230.32	4,145.67	84.65	49.975		
9,700.00	7,630.00	7,704.11	7,645.82	56.57	28.12	-91.47	-3,641.00	3,636.71	4,133.74	4,049.33	84.41	48.973		
9,800.00	7,630.00	7,703.59	7,645.29	56.30	28.11	-91.44	-3,641.00	3,636.71	4,037.32	3,953.16	84.16	47.971		
9,900.00	7,630.00	7,703.05	7,644.76	56.05	28.11	-91.42	-3,641.01	3,636.70	3,941.08	3,857.17	83.91	46.971		
10,000.00	7,630.00	7,702.51	7,644.22	55.82	28.11	-91.39	-3,641.01	3,636.70	3,845.03	3,761.39	83.64	45.971		
10,100.00	7,630.00	7,701.97	7,643.67	55.63	28.11	-91.36	-3,641.02	3,636.70	3,749.19	3,665.83	83.37	44.973		
10,200.00	7,630.00	7,701.41	7,643.12	55.46	28.11	-91.33	-3,641.02	3,636.70	3,653.57	3,570.49	83.08	43.976		
10,300.00	7,630.00	7,700.85	7,642.56	55.32	28.10	-91.30	-3,641.02	3,636.70	3,558.20	3,475.41	82.79	42.980		
10,400.00	7,630.00	7,700.29	7,642.00	55.22	28.10	-91.27	-3,641.03	3,636.69	3,463.08	3,380.60	82.48	41.985		
10,500.00	7,630.00	7,699.71	7,641.42	55.15	28.10	-91.24	-3,641.03	3,636.69	3,368.24	3,286.08	82.17	40.992		
10,600.00	7,630.00	7,699.13	7,640.84	55.14	28.10	-91.21	-3,641.04	3,636.69	3,273.72	3,191.87	81.84	40.000		
10,700.00	7,630.00	7,698.55	7,640.26	55.18	28.10	-91.18	-3,641.04	3,636.69	3,179.53	3,098.02	81.51	39.009		
10,800.00	7,630.00	7,697.95	7,639.66	55.28	28.09	-91.15	-3,641.05	3,636.69	3,085.70	3,004.54	81.16	38.019		
10,900.00	7,630.00	7,697.35	7,639.06	55.47	28.09	-91.11	-3,641.05	3,636.69	2,992.27	2,911.46	80.81	37.029		
11,000.00	7,630.00	7,696.74	7,638.45	55.74	28.09	-91.08	-3,641.06	3,636.68	2,899.28	2,818.84	80.45	36.040		
11,100.00	7,630.00	7,696.13	7,637.83	56.11	28.09	-91.05	-3,641.06	3,636.68	2,806.78	2,726.70	80.07	35.052		
11,200.00	7,630.00	7,695.50	7,637.21	56.60	28.09	-91.02	-3,641.07	3,636.68	2,714.80	2,635.10	79.70	34.063		
11,300.00	7,630.00	7,694.87	7,636.58	57.20	28.08	-90.98	-3,641.08	3,636.68	2,623.41	2,544.09	79.32	33.074		
11,400.00	7,630.00	7,694.23	7,635.94	57.91	28.08	-90.95	-3,641.08	3,636.68	2,532.68	2,453.73	78.94	32.083		
11,500.00	7,630.00	7,693.58	7,635.29	58.72	28.08	-90.91	-3,641.09	3,636.68	2,442.66	2,364.09	78.57	31.090		
11,600.00	7,630.00	7,692.92	7,634.63	59.63	28.08	-90.88	-3,641.09	3,636.67	2,353.45	2,275.25	78.21	30.093		
11,700.00	7,630.00	7,692.26	7,633.97	60.61	28.08	-90.84	-3,641.10	3,636.67	2,265.14	2,187.28	77.86	29.091		
11,800.00	7,630.00	7,691.58	7,633.29	61.67	28.07	-90.81	-3,641.11	3,636.67	2,177.85	2,100.30	77.55	28.083		
11,900.00	7,630.00	7,690.90	7,632.61	62.78	28.07	-90.77	-3,641.11	3,636.67	2,091.69	2,014.41	77.28	27.066		
12,000.00	7,630.00	7,690.21	7,631.92	63.95	28.07	-90.74	-3,641.12	3,636.67	2,006.81	1,929.74	77.07	26.038		
12,100.00	7,630.00	7,689.51	7,631.22	65.16	28.07	-90.70	-3,641.12	3,636.67	1,923.39	1,846.45	76.95	24.997		
12,200.00	7,630.00	7,688.80	7,630.50	66.41	28.06	-90.66	-3,641.13	3,636.67	1,841.63	1,764.70	76.93	23.939		
12,300.00	7,630.00	7,688.08	7,629.78	67.68	28.06	-90.62	-3,641.14	3,636.67	1,761.74	1,684.68	77.06	22.863		
12,400.00	7,630.00	7,687.35	7,629.05	68.99	28.06	-90.58	-3,641.14	3,636.67	1,684.00	1,606.64	77.36	21.767		
12,500.00	7,630.00	7,686.61	7,628.31	70.33	28.06	-90.55	-3,641.15	3,636.66	1,608.72	1,530.82	77.90	20.650		
12,600.00	7,630.00	7,685.86	7,627.56	71.68	28.06	-90.51	-3,641.16	3,636.66	1,536.27	1,457.55	78.72	19.516		
12,700.00	7,630.00	7,685.09	7,626.80	73.06	28.05	-90.47	-3,641.17	3,636.66	1,467.06	1,387.19	79.87	18.369		
12,800.00	7,630.00	7,684.32	7,626.03	74.45	28.05	-90.42	-3,641.17	3,636.66	1,401.56	1,320.17	81.39	17.220		
12,900.00	7,630.00	7,683.54	7,625.25	75.87	28.05	-90.38	-3,641.18	3,636.66	1,340.34	1,257.00	83.34	16.082		
13,000.00	7,630.00	7,682.75	7,624.46	77.29	28.05	-90.34	-3,641.19	3,636.66	1,283.99	1,198.25	85.74	14.976		
13,100.00	7,630.00	7,681.94	7,623.65	78.74	28.04	-90.30	-3,641.20	3,636.66	1,233.19	1,144.61	88.58	13.922		
13,200.00	7,630.00	7,681.13	7,622.84	80.19	28.04	-90.26	-3,641.21	3,636.66	1,188.65	1,096.82	91.83	12.944		
13,300.00	7,630.00	7,680.30	7,622.01	81.66	28.04	-90.21	-3,641.21	3,636.66	1,151.09	1,055.68	95.42	12.064		
13,400.00	7,630.00	7,679.46	7,621.17	83.14	28.03	-90.17	-3,641.22	3,636.66	1,121.22	1,021.99	99.22	11.300		
13,500.00	7,630.00	7,678.61	7,620.31	84.63	28.03	-90.12	-3,641.23	3,636.66	1,099.66	996.55	103.11	10.665		
13,600.00	7,630.00	7,677.74	7,619.45	86.14	28.03	-90.08	-3,641.24	3,636.66	1,086.91	979.99	106.91	10.166		
13,689.43	7,630.00	7,676.96	7,618.67	87.49	28.03	-90.04	-3,641.25	3,636.66	1,083.22	973.11	110.11	9.838 CC		
13,700.00	7,630.00	7,676.86	7,618.57	87.65	28.03	-90.03	-3,641.25	3,636.66	1,083.27	972.81	110.47	9.806 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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference 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		
13,800.00	7,630.00	7,675.97	7,617.68	89.17	28.02	-89.98	-3,641.26	3,636.66	1,088.85	975.21	113.64	9.582		
13,900.00	7,630.00	7,675.07	7,616.78	90.70	28.02	-89.94	-3,641.27	3,636.66	1,103.50	987.17	116.33	9.486 SF		
14,000.00	7,630.00	7,674.15	7,615.86	92.24	28.02	-89.89	-3,641.28	3,636.66	1,126.86	1,008.37	118.49	9.510		
14,100.00	7,630.00	7,673.22	7,614.92	93.78	28.01	-89.84	-3,641.29	3,636.67	1,158.41	1,038.29	120.12	9.643		
14,200.00	7,630.00	7,672.27	7,613.98	95.33	28.01	-89.79	-3,641.30	3,636.67	1,197.51	1,076.25	121.26	9.876		
14,300.00	7,630.00	7,671.31	7,613.02	96.89	28.01	-89.74	-3,641.31	3,636.67	1,243.43	1,121.48	121.96	10.196		
14,400.00	7,630.00	7,670.33	7,612.04	98.46	28.00	-89.68	-3,641.32	3,636.67	1,295.46	1,173.17	122.29	10.593		
14,500.00	7,630.00	7,669.34	7,611.05	100.03	28.00	-89.63	-3,641.33	3,636.67	1,352.90	1,230.56	122.33	11.059		
14,600.00	7,630.00	7,668.33	7,610.04	101.61	28.00	-89.58	-3,641.34	3,636.67	1,415.07	1,292.92	122.15	11.585		
14,700.00	7,630.00	7,667.30	7,609.01	103.20	27.99	-89.52	-3,641.35	3,636.68	1,481.39	1,359.60	121.79	12.163		
14,800.00	7,630.00	7,666.26	7,607.97	104.78	27.99	-89.47	-3,641.36	3,636.68	1,551.33	1,430.01	121.32	12.788		
14,900.00	7,630.00	7,665.20	7,606.91	106.38	27.99	-89.41	-3,641.38	3,636.68	1,624.41	1,503.65	120.76	13.452		
15,000.00	7,630.00	7,664.13	7,605.84	107.98	27.98	-89.36	-3,641.39	3,636.68	1,700.23	1,580.09	120.14	14.152		
15,100.00	7,630.00	7,663.03	7,604.74	109.58	27.98	-89.30	-3,641.40	3,636.69	1,778.45	1,658.95	119.50	14.882		
15,200.00	7,630.00	7,661.92	7,603.63	111.19	27.98	-89.24	-3,641.42	3,636.69	1,858.75	1,739.91	118.85	15.640		
15,300.00	7,630.00	7,660.79	7,602.50	112.81	27.97	-89.18	-3,641.43	3,636.69	1,940.88	1,822.70	118.19	16.422		
15,400.00	7,630.00	7,659.64	7,601.35	114.42	27.97	-89.12	-3,641.44	3,636.70	2,024.63	1,907.08	117.54	17.225		
15,500.00	7,630.00	7,658.47	7,600.18	116.05	27.97	-89.06	-3,641.46	3,636.70	2,109.78	1,992.88	116.91	18.047		
15,600.00	7,630.00	7,657.28	7,599.99	117.67	27.96	-88.99	-3,641.47	3,636.71	2,196.19	2,079.90	116.29	18.885		
15,700.00	7,630.00	7,656.07	7,597.78	119.30	27.96	-88.93	-3,641.49	3,636.71	2,283.71	2,168.01	115.70	19.738		
15,800.00	7,630.00	7,654.84	7,595.55	120.93	27.95	-88.87	-3,641.50	3,636.72	2,372.21	2,257.08	115.13	20.605		
15,900.00	7,630.00	7,653.58	7,595.29	122.57	27.95	-88.80	-3,641.52	3,636.72	2,461.60	2,347.01	114.58	21.483		
16,000.00	7,630.00	7,652.30	7,594.01	124.21	27.95	-88.73	-3,641.53	3,636.73	2,551.77	2,437.71	114.06	22.372		
16,100.00	7,630.00	7,651.00	7,592.71	125.85	27.94	-88.66	-3,641.55	3,636.73	2,642.64	2,529.08	113.56	23.271		
16,200.00	7,630.00	7,649.68	7,591.39	127.50	27.94	-88.59	-3,641.57	3,636.74	2,734.16	2,621.07	113.08	24.178		
16,300.00	7,630.00	7,648.33	7,590.04	129.15	27.93	-88.52	-3,641.58	3,636.75	2,826.25	2,713.61	112.63	25.093		
16,400.00	7,630.00	7,646.95	7,588.67	130.80	27.93	-88.45	-3,641.60	3,636.75	2,918.85	2,806.65	112.20	26.015		
16,500.00	7,630.00	7,645.55	7,587.27	132.46	27.92	-88.37	-3,641.62	3,636.76	3,011.94	2,900.15	111.79	26.943		
16,600.00	7,630.00	7,644.13	7,585.84	134.11	27.92	-88.30	-3,641.64	3,636.77	3,105.45	2,994.05	111.40	27.877		
16,700.00	7,630.00	7,642.67	7,584.39	135.77	27.91	-88.22	-3,641.66	3,636.78	3,199.35	3,088.32	111.03	28.816		
16,800.00	7,630.00	7,641.19	7,582.90	137.43	27.91	-88.14	-3,641.68	3,636.79	3,293.61	3,182.93	110.67	29.759		
16,900.00	7,630.00	7,639.68	7,581.39	139.10	27.90	-88.06	-3,641.70	3,636.80	3,388.20	3,277.86	110.34	30.707		
17,000.00	7,630.00	7,638.14	7,579.85	140.77	27.90	-87.98	-3,641.72	3,636.81	3,483.09	3,373.07	110.02	31.659		
17,100.00	7,630.00	7,636.57	7,578.28	142.44	27.89	-87.90	-3,641.74	3,636.82	3,578.26	3,468.54	109.71	32.615		
17,200.00	7,630.00	7,634.96	7,576.68	144.11	27.89	-87.82	-3,641.76	3,636.83	3,673.68	3,564.26	109.42	33.573		
17,300.00	7,630.00	7,633.33	7,575.04	145.78	27.88	-87.73	-3,641.79	3,636.85	3,769.34	3,660.20	109.15	34.535		
17,400.00	7,630.00	7,631.66	7,573.37	147.46	27.88	-87.64	-3,641.81	3,636.86	3,865.22	3,756.34	108.88	35.499		
17,500.00	7,630.00	7,629.95	7,571.66	149.13	27.87	-87.55	-3,641.84	3,636.87	3,961.31	3,852.67	108.63	36.465		
17,600.00	7,630.00	7,628.21	7,569.92	150.81	27.87	-87.46	-3,641.86	3,636.89	4,057.58	3,949.19	108.39	37.434		
17,700.00	7,630.00	7,626.43	7,568.15	152.49	27.86	-87.37	-3,641.89	3,636.90	4,154.03	4,045.86	108.16	38.405		
17,800.00	7,630.00	7,624.62	7,566.33	154.18	27.85	-87.27	-3,641.92	3,636.92	4,250.64	4,142.69	107.95	39.377		
17,900.00	7,630.00	7,622.76	7,564.47	155.86	27.85	-87.17	-3,641.94	3,636.94	4,347.40	4,239.66	107.74	40.351		
18,000.00	7,630.00	7,620.86	7,562.58	157.55	27.84	-87.07	-3,641.97	3,636.96	4,444.31	4,336.77	107.54	41.327		
18,100.00	7,630.00	7,618.92	7,560.64	159.24	27.84	-86.97	-3,642.00	3,636.98	4,541.35	4,434.00	107.35	42.304		
18,200.00	7,630.00	7,616.94	7,558.66	160.92	27.83	-86.87	-3,642.03	3,637.00	4,638.51	4,531.34	107.17	43.282		
18,300.00	7,630.00	7,614.92	7,556.63	162.62	27.82	-86.76	-3,642.07	3,637.02	4,735.79	4,628.80	107.00	44.261		
18,400.00	7,630.00	7,612.84	7,554.56	164.31	27.82	-86.65	-3,642.10	3,637.04	4,833.19	4,726.36	106.83	45.241		
18,458.39	7,630.00	7,611.61	7,553.33	165.30	27.81	-86.58	-3,642.12	3,637.05	4,890.10	4,783.37	106.74	45.814		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
0.00	0.00	29.93	29.93	0.00	0.05	163.17	-7,122.07	2,154.19	7,440.73					
100.00	100.00	151.44	151.43	0.13	0.38	163.16	-7,121.50	2,154.92	7,440.45	7,439.93	0.51	N/A		
200.00	200.00	231.75	231.74	0.49	0.66	163.17	-7,121.43	2,154.29	7,440.15	7,439.00	1.15	6,450.765		
234.99	234.99	257.00	256.99	0.62	0.75	163.17	-7,121.50	2,154.01	7,440.13	7,438.76	1.37	5,442.266		
300.00	300.00	292.30	292.29	0.85	0.87	163.18	-7,121.71	2,153.54	7,440.25	7,438.53	1.72	4,313.212		
400.00	400.00	349.00	348.97	1.21	1.07	163.18	-7,122.44	2,152.56	7,440.97	7,438.69	2.28	3,258.062		
500.00	500.00	411.55	411.50	1.57	1.30	163.20	-7,123.71	2,151.14	7,442.23	7,439.37	2.87	2,597.301		
600.00	600.00	481.78	481.66	1.93	1.55	163.22	-7,125.63	2,148.91	7,443.93	7,440.45	3.48	2,141.194		
700.00	700.00	898.00	894.54	2.29	3.18	163.60	-7,140.90	2,102.27	7,445.92	7,440.46	5.46	1,363.163		
800.00	800.00	947.98	943.48	2.64	3.41	163.67	-7,142.73	2,092.29	7,443.86	7,437.81	6.05	1,230.887		
900.00	900.00	994.90	989.35	3.00	3.62	163.75	-7,144.99	2,082.66	7,442.64	7,436.02	6.62	1,124.096		
1,000.00	1,000.00	1,070.01	1,062.42	3.36	3.98	163.88	-7,149.14	2,065.79	7,441.73	7,434.38	7.34	1,013.360		
1,065.59	1,065.59	1,096.00	1,087.60	3.60	4.11	163.93	-7,150.85	2,059.58	7,441.54	7,433.83	7.71	965.470		
1,100.00	1,100.00	1,096.00	1,087.60	3.72	4.11	163.93	-7,150.85	2,059.58	7,441.62	7,433.79	7.83	950.275		
1,200.00	1,199.98	1,133.43	1,123.81	4.07	4.31	112.91	-7,153.68	2,050.54	7,443.09	7,434.71	8.38	888.247		
1,300.00	1,299.84	1,183.00	1,171.73	4.43	4.56	112.96	-7,158.17	2,038.71	7,447.08	7,438.09	8.99	828.414		
1,400.00	1,399.45	1,183.00	1,171.73	4.79	4.56	112.85	-7,158.17	2,038.71	7,453.17	7,443.83	9.35	797.471		
1,500.00	1,498.70	1,235.19	1,222.02	5.15	4.85	112.84	-7,163.67	2,025.84	7,461.59	7,451.60	9.99	746.628		
1,600.00	1,597.47	1,271.00	1,256.32	5.53	5.04	112.76	-7,167.81	2,016.45	7,472.14	7,461.57	10.56	707.486		
1,700.00	1,695.62	1,316.63	1,299.92	5.93	5.31	112.68	-7,173.45	2,004.22	7,484.84	7,473.63	11.21	667.730		
1,800.00	1,793.06	1,358.00	1,339.41	6.35	5.55	112.56	-7,178.90	1,993.17	7,499.78	7,487.92	11.85	632.856		
1,900.00	1,889.64	1,464.25	1,440.83	6.79	6.18	112.67	-7,192.95	1,964.77	7,516.44	7,503.53	12.90	582.519		
2,000.00	1,985.27	1,521.58	1,495.50	7.27	6.52	112.56	-7,200.59	1,949.30	7,534.82	7,521.12	13.70	550.079		
2,100.00	2,079.82	1,565.31	1,537.12	7.79	6.79	112.37	-7,206.63	1,937.35	7,555.24	7,540.79	14.45	523.015		
2,200.00	2,173.17	1,620.00	1,589.04	8.36	7.13	112.20	-7,214.59	1,922.12	7,577.82	7,562.52	15.30	495.394		
2,300.00	2,265.21	1,645.72	1,613.42	8.97	7.29	111.86	-7,218.47	1,914.89	7,602.47	7,586.46	16.01	474.949		
2,400.00	2,355.84	1,687.30	1,652.83	9.64	7.55	111.56	-7,224.87	1,903.28	7,629.22	7,612.37	16.86	452.601		
2,500.00	2,444.94	1,744.80	1,707.35	10.36	7.92	111.30	-7,233.90	1,887.37	7,658.00	7,640.15	17.85	429.080		
2,591.69	2,525.19	2,231.00	2,171.98	11.07	10.92	113.39	-7,295.19	1,758.38	7,683.68	7,662.22	21.46	358.045		
2,600.00	2,532.40	2,252.84	2,193.01	11.14	11.05	113.51	-7,297.22	1,752.85	7,685.90	7,664.25	21.65	355.019		
2,700.00	2,619.15	2,283.70	2,222.67	11.96	11.24	113.67	-7,300.25	1,744.92	7,713.77	7,691.24	22.54	342.261		
2,800.00	2,705.89	2,318.00	2,255.58	12.81	11.44	113.85	-7,303.84	1,735.94	7,742.57	7,719.11	23.46	330.040		
2,900.00	2,792.64	2,368.73	2,304.22	13.67	11.75	114.12	-7,309.34	1,722.61	7,772.17	7,747.68	24.49	317.324		
3,000.00	2,879.39	2,584.82	2,512.19	14.55	13.04	115.24	-7,330.27	1,667.82	7,801.44	7,774.93	26.51	294.278		
3,100.00	2,966.14	2,667.00	2,591.45	15.44	13.52	115.66	-7,337.16	1,647.23	7,830.49	7,802.76	27.73	282.389		
3,200.00	3,052.88	2,714.88	2,637.54	16.34	13.81	115.91	-7,341.25	1,634.92	7,860.24	7,831.49	28.75	273.357		
3,300.00	3,139.63	2,755.00	2,676.15	17.25	14.05	116.11	-7,345.05	1,624.70	7,891.03	7,861.29	29.73	265.390		
3,400.00	3,226.38	2,823.95	2,742.59	18.17	14.45	116.46	-7,351.68	1,607.53	7,922.53	7,891.66	30.88	256.579		
3,500.00	3,313.12	2,930.28	2,845.47	19.09	15.06	116.99	-7,361.27	1,582.44	7,954.21	7,921.98	32.22	246.844		
3,600.00	3,399.87	3,600.00	2,999.16	20.02	18.82	117.76	-7,374.09	1,545.83	7,985.62	7,948.94	36.68	217.711		
3,700.00	3,486.62	3,155.12	3,063.35	20.96	16.33	118.09	-7,379.15	1,529.90	8,017.23	7,982.26	34.96	229.296		
3,800.00	3,573.37	3,191.00	3,097.98	21.90	16.53	118.26	-7,382.05	1,520.96	8,049.59	8,013.69	35.90	224.205		
3,900.00	3,660.11	3,233.71	3,139.13	22.84	16.79	118.47	-7,385.70	1,510.11	8,082.72	8,045.83	36.88	219.146		
4,000.00	3,746.86	3,278.00	3,181.73	23.78	17.05	118.69	-7,389.68	1,498.69	8,116.60	8,078.74	37.87	214.348		
4,100.00	3,833.61	3,278.00	3,181.73	24.73	17.05	118.69	-7,389.68	1,498.69	8,151.36	8,112.78	38.58	211.281		
4,200.00	3,920.35	3,319.14	3,221.28	25.68	17.30	118.90	-7,393.71	1,488.10	8,186.86	8,147.33	39.53	207.083		
4,300.00	4,007.10	3,366.00	3,266.33	26.63	17.58	119.13	-7,398.82	1,476.25	8,223.42	8,182.90	40.52	202.967		
4,400.00	4,093.85	4,400.00	3,305.48	27.59	23.86	119.33	-7,403.29	1,465.83	8,260.51	8,213.26	47.25	174.818		
4,500.00	4,180.60	4,500.00	3,438.86	28.55	24.54	120.01	-7,417.75	1,429.58	8,297.61	8,248.97	48.65	170.572		
4,600.00	4,267.34	3,569.07	3,461.19	29.50	18.83	120.13	-7,420.17	1,423.26	8,335.24	8,291.43	43.82	190.228		
4,700.00	4,354.09	3,589.84	3,481.04	30.46	18.96	120.23	-7,422.45	1,417.55	8,373.74	8,329.12	44.62	187.665		
4,800.00	4,440.84	4,705.42	4,578.45	31.42	23.62	124.54	-7,479.15	1,275.50	8,409.82	8,359.72	50.10	167.850		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,527.58	4,883.15	4,756.15	32.39	24.04	125.06	-7,475.73	1,275.19	8,438.91	8,387.62	51.28	164.557		
5,000.00	4,614.33	5,028.04	4,900.98	33.35	24.39	125.48	-7,471.66	1,274.59	8,467.39	8,415.01	52.38	161.659		
5,100.00	4,701.08	5,136.21	5,009.09	34.31	24.64	125.79	-7,468.07	1,274.10	8,495.61	8,442.23	53.38	159.157		
5,200.00	4,787.82	5,202.22	5,075.07	35.28	24.80	125.98	-7,465.93	1,273.92	8,524.10	8,469.83	54.27	157.073		
5,300.00	4,874.57	5,268.26	5,141.07	36.25	24.96	126.16	-7,463.96	1,273.88	8,552.98	8,497.83	55.15	155.072		
5,400.00	4,961.32	5,286.00	5,158.81	37.21	25.00	126.21	-7,463.46	1,273.90	8,582.44	8,526.54	55.91	153.511		
5,500.00	5,048.07	5,340.49	5,213.28	38.18	25.15	126.37	-7,462.24	1,273.72	8,612.46	8,555.69	56.77	151.719		
5,600.00	5,134.81	5,371.58	5,244.37	39.15	25.23	126.46	-7,461.82	1,273.41	8,643.30	8,585.75	57.55	150.190		
5,700.00	5,221.56	5,402.40	5,275.18	40.12	25.32	126.55	-7,461.59	1,272.94	8,674.87	8,616.55	58.32	148.734		
5,800.00	5,308.31	5,461.00	5,333.77	41.09	25.48	126.72	-7,461.70	1,271.65	8,707.30	8,648.13	59.18	147.136		
5,900.00	5,395.05	5,461.00	5,333.77	42.06	25.48	126.72	-7,461.70	1,271.65	8,740.21	8,680.36	59.85	146.044		
6,000.00	5,481.80	5,526.47	5,399.22	43.03	25.66	126.91	-7,462.33	1,270.10	8,773.79	8,713.07	60.72	144.499		
6,100.00	5,568.55	5,587.71	5,460.44	44.00	25.84	127.08	-7,463.10	1,269.04	8,807.78	8,746.21	61.57	143.044		
6,200.00	5,655.30	5,732.61	5,603.32	44.97	26.25	127.49	-7,465.02	1,267.73	8,842.09	8,779.40	62.69	141.038		
6,300.00	5,742.04	5,937.35	5,810.06	45.94	26.82	128.04	-7,465.06	1,266.74	8,875.17	8,811.17	64.00	138.673		
6,400.00	5,828.79	6,131.25	6,003.94	46.92	27.35	128.57	-7,462.87	1,265.26	8,907.58	8,842.32	65.26	136.491		
6,500.00	5,915.54	6,228.32	6,100.99	47.89	27.61	128.83	-7,461.08	1,265.37	8,939.44	8,873.22	66.22	134.997		
6,600.00	6,002.28	6,307.46	6,180.11	48.86	27.82	129.04	-7,459.64	1,264.93	8,971.52	8,904.40	67.12	133.667		
6,700.00	6,089.03	6,399.64	6,272.28	49.83	28.08	129.28	-7,457.97	1,264.00	9,003.79	8,935.73	68.06	132.293		
6,800.00	6,175.78	6,498.87	6,371.49	50.81	28.35	129.54	-7,456.07	1,263.20	9,036.10	8,967.08	69.02	130.915		
6,900.00	6,262.53	6,564.80	6,437.41	51.78	28.53	129.71	-7,454.83	1,262.87	9,068.60	8,998.73	69.87	129.787		
7,000.00	6,349.27	6,627.02	6,499.62	52.76	28.70	129.87	-7,453.86	1,262.81	9,101.48	9,030.77	70.71	128.720		
7,100.00	6,436.02	6,692.68	6,565.27	53.73	28.88	130.04	-7,453.04	1,263.02	9,134.74	9,063.19	71.55	127.669		
7,200.00	6,522.77	6,768.15	6,660.73	54.71	29.13	130.28	-7,451.91	1,263.48	9,168.19	9,095.71	72.48	126.491		
7,300.00	6,609.51	6,888.05	6,760.62	55.68	29.40	130.53	-7,450.64	1,264.00	9,201.69	9,128.27	73.42	125.321		
7,400.00	6,696.26	6,999.79	6,872.35	56.66	29.71	130.80	-7,448.95	1,264.43	9,235.14	9,160.73	74.41	124.116		
7,500.00	6,783.01	7,080.69	6,953.24	57.63	29.93	131.00	-7,447.60	1,264.60	9,268.60	9,193.31	75.29	123.104		
7,600.00	6,869.76	7,148.99	7,021.54	58.61	30.12	131.17	-7,446.58	1,264.72	9,302.35	9,226.22	76.13	122.188		
7,683.49	6,942.18	7,207.00	7,079.54	59.42	30.28	131.31	-7,445.83	1,264.80	9,330.77	9,253.94	76.83	121.440		
7,700.00	6,956.57	7,225.37	7,097.91	59.58	30.33	128.87	-7,445.60	1,264.83	9,336.19	9,259.19	77.00	121.256		
7,750.00	7,000.85	7,287.90	7,160.43	60.04	30.51	120.49	-7,444.76	1,265.05	9,349.80	9,272.29	77.51	120.625		
7,800.00	7,045.94	7,351.69	7,224.21	60.46	30.68	110.72	-7,443.80	1,265.47	9,359.15	9,281.11	78.04	119.935		
7,850.00	7,091.49	7,416.23	7,288.73	60.84	30.86	99.94	-7,442.72	1,266.09	9,364.15	9,285.59	78.56	119.196		
7,900.00	7,137.15	7,435.38	7,307.89	61.17	30.92	88.79	-7,442.46	1,266.20	9,364.95	9,286.02	78.93	118.650		
7,950.00	7,182.58	7,470.02	7,342.52	61.44	31.01	78.32	-7,441.96	1,266.46	9,361.48	9,282.15	79.34	117.996		
8,000.00	7,227.43	7,504.15	7,376.65	61.67	31.11	69.15	-7,441.50	1,266.68	9,353.81	9,274.08	79.73	117.320		
8,050.00	7,271.36	7,537.53	7,410.03	61.84	31.20	61.53	-7,441.08	1,266.86	9,341.99	9,261.89	80.10	116.627		
8,100.00	7,314.04	7,574.36	7,446.85	61.96	31.30	55.42	-7,440.65	1,267.02	9,326.10	9,245.63	80.47	115.898		
8,150.00	7,355.14	7,615.45	7,487.94	62.04	31.42	50.66	-7,440.18	1,267.20	9,306.22	9,225.39	80.83	115.130		
8,200.00	7,394.34	7,654.60	7,527.08	62.07	31.53	47.00	-7,439.73	1,267.36	9,282.50	9,201.32	81.17	114.356		
8,250.00	7,431.36	7,691.49	7,563.98	62.06	31.63	44.26	-7,439.31	1,267.51	9,255.10	9,173.62	81.49	113.579		
8,300.00	7,465.90	7,725.86	7,598.34	62.01	31.73	42.32	-7,438.91	1,267.65	9,224.25	9,142.48	81.77	112.802		
8,350.00	7,497.71	7,754.32	7,626.79	61.93	31.81	41.06	-7,438.59	1,267.78	9,190.18	9,108.15	82.02	112.043		
8,400.00	7,526.53	7,779.57	7,652.04	61.81	31.88	40.47	-7,438.32	1,267.93	9,153.13	9,070.89	82.25	111.289		
8,450.00	7,552.17	7,802.01	7,674.49	61.66	31.95	40.56	-7,438.09	1,268.09	9,113.40	9,030.95	82.44	110.539		
8,500.00	7,574.41	7,821.47	7,693.95	61.48	32.00	41.46	-7,437.90	1,268.26	9,071.27	8,988.65	82.62	109.796		
8,550.00	7,593.09	7,837.78	7,710.25	61.29	32.05	43.39	-7,437.74	1,268.41	9,027.05	8,944.28	82.77	109.062		
8,600.00	7,608.07	7,850.80	7,723.27	61.07	32.08	46.85	-7,437.63	1,268.55	8,981.07	8,898.17	82.90	108.339		
8,650.00	7,619.23	7,860.42	7,732.89	60.84	32.11	52.86	-7,437.54	1,268.65	8,933.67	8,850.67	83.00	107.629		
8,700.00	7,626.48	7,866.56	7,739.02	60.60	32.13	63.71	-7,437.49	1,268.72	8,885.22	8,802.13	83.09	106.935		
8,750.00	7,629.78	7,869.14	7,741.61	60.35	32.13	84.22	-7,437.47	1,268.75	8,836.06	8,752.90	83.16	106.258		
8,766.45	7,630.00	7,869.21	7,741.67	60.27	32.13	94.03	-7,437.47	1,268.75	8,819.80	8,736.62	83.17	106.039		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
8,800.00	7,630.00	7,868.95	7,741.42	60.10	32.13	94.02	-7,437.47	1,268.75	8,786.60	8,703.39	83.21	105.597		
8,900.00	7,630.00	7,868.18	7,740.65	59.61	32.13	93.99	-7,437.47	1,268.74	8,687.67	8,604.36	83.31	104.277		
9,000.00	7,630.00	7,867.40	7,739.87	59.15	32.13	93.95	-7,437.48	1,268.73	8,588.76	8,505.34	83.42	102.956		
9,100.00	7,630.00	7,866.63	7,739.10	58.71	32.13	93.92	-7,437.49	1,268.72	8,489.89	8,406.35	83.53	101.634		
9,200.00	7,630.00	7,865.85	7,738.32	58.30	32.12	93.88	-7,437.49	1,268.71	8,391.03	8,307.38	83.65	100.312		
9,300.00	7,630.00	7,865.07	7,737.54	57.91	32.12	93.85	-7,437.50	1,268.71	8,292.21	8,208.44	83.77	98.988		
9,400.00	7,630.00	7,864.28	7,736.75	57.54	32.12	93.81	-7,437.51	1,268.70	8,193.41	8,109.52	83.89	97.664		
9,500.00	7,630.00	7,863.49	7,735.96	57.19	32.12	93.78	-7,437.51	1,268.69	8,094.64	8,010.62	84.02	96.338		
9,600.00	7,630.00	7,862.70	7,735.17	56.87	32.12	93.74	-7,437.52	1,268.68	7,995.91	7,911.75	84.16	95.012		
9,700.00	7,630.00	7,861.91	7,734.38	56.57	32.11	93.71	-7,437.53	1,268.67	7,897.20	7,812.91	84.30	93.685		
9,800.00	7,630.00	7,861.11	7,733.58	56.30	32.11	93.67	-7,437.54	1,268.66	7,798.53	7,714.09	84.44	92.357		
9,900.00	7,630.00	7,860.31	7,732.78	56.05	32.11	93.63	-7,437.54	1,268.65	7,699.89	7,615.30	84.59	91.029		
10,000.00	7,630.00	7,859.51	7,731.98	55.82	32.11	93.60	-7,437.55	1,268.64	7,601.29	7,516.55	84.74	89.700		
10,100.00	7,630.00	7,858.70	7,731.17	55.63	32.10	93.56	-7,437.56	1,268.63	7,502.72	7,417.82	84.90	88.371		
10,200.00	7,630.00	7,857.89	7,730.36	55.46	32.10	93.53	-7,437.56	1,268.62	7,404.20	7,319.13	85.07	87.041		
10,300.00	7,630.00	7,857.07	7,729.54	55.32	32.10	93.49	-7,437.57	1,268.62	7,305.71	7,220.47	85.24	85.710		
10,400.00	7,630.00	7,856.26	7,728.73	55.22	32.10	93.45	-7,437.58	1,268.61	7,207.26	7,121.85	85.42	84.379		
10,500.00	7,630.00	7,855.44	7,727.91	55.15	32.10	93.41	-7,437.58	1,268.60	7,108.86	7,023.26	85.60	83.048		
10,600.00	7,630.00	7,854.61	7,727.08	55.14	32.09	93.38	-7,437.59	1,268.59	7,010.50	6,924.71	85.79	81.717		
10,700.00	7,630.00	7,853.79	7,726.26	55.18	32.09	93.34	-7,437.60	1,268.58	6,912.19	6,826.20	85.99	80.385		
10,800.00	7,630.00	7,852.96	7,725.43	55.28	32.09	93.30	-7,437.61	1,268.57	6,813.93	6,727.74	86.19	79.053		
10,900.00	7,630.00	7,852.13	7,724.60	55.47	32.09	93.27	-7,437.61	1,268.56	6,715.72	6,629.31	86.41	77.721		
11,000.00	7,630.00	7,851.29	7,723.76	55.74	32.08	93.23	-7,437.62	1,268.55	6,617.57	6,530.94	86.63	76.389		
11,100.00	7,630.00	7,850.45	7,722.92	56.11	32.08	93.19	-7,437.63	1,268.54	6,519.46	6,432.60	86.86	75.057		
11,200.00	7,630.00	7,849.61	7,722.08	56.60	32.08	93.15	-7,437.64	1,268.54	6,421.42	6,334.32	87.10	73.725		
11,300.00	7,630.00	7,848.76	7,721.23	57.20	32.08	93.11	-7,437.64	1,268.53	6,323.44	6,236.09	87.35	72.393		
11,400.00	7,630.00	7,847.91	7,720.38	57.91	32.07	93.08	-7,437.65	1,268.52	6,225.52	6,137.92	87.61	71.062		
11,500.00	7,630.00	7,847.05	7,719.53	58.72	32.07	93.04	-7,437.66	1,268.51	6,127.67	6,039.80	87.88	69.731		
11,600.00	7,630.00	7,846.20	7,718.67	59.63	32.07	93.00	-7,437.67	1,268.50	6,029.90	5,941.74	88.16	68.400		
11,700.00	7,630.00	7,845.34	7,717.81	60.61	32.07	92.96	-7,437.68	1,268.49	5,932.19	5,843.74	88.45	67.070		
11,800.00	7,630.00	7,844.47	7,716.94	61.67	32.06	92.92	-7,437.68	1,268.48	5,834.56	5,745.81	88.75	65.741		
11,900.00	7,630.00	7,843.60	7,716.08	62.78	32.06	92.88	-7,437.69	1,268.47	5,737.02	5,647.95	89.07	64.413		
12,000.00	7,630.00	7,842.73	7,715.20	63.95	32.06	92.84	-7,437.70	1,268.46	5,639.56	5,550.16	89.40	63.085		
12,100.00	7,630.00	7,841.86	7,714.33	65.16	32.06	92.80	-7,437.71	1,268.45	5,542.19	5,452.45	89.74	61.759		
12,200.00	7,630.00	7,840.98	7,713.45	66.41	32.06	92.77	-7,437.72	1,268.45	5,444.91	5,354.81	90.10	60.434		
12,300.00	7,630.00	7,840.10	7,712.57	67.68	32.05	92.73	-7,437.72	1,268.44	5,347.74	5,257.27	90.47	59.110		
12,400.00	7,630.00	7,839.21	7,711.68	68.99	32.05	92.69	-7,437.73	1,268.43	5,250.67	5,159.81	90.86	57.788		
12,500.00	7,630.00	7,838.32	7,710.79	70.33	32.05	92.65	-7,437.74	1,268.42	5,153.71	5,062.44	91.27	56.468		
12,600.00	7,630.00	7,837.43	7,709.90	71.68	32.05	92.61	-7,437.75	1,268.41	5,056.87	4,965.18	91.69	55.149		
12,700.00	7,630.00	7,836.53	7,709.00	73.06	32.04	92.57	-7,437.76	1,268.40	4,960.16	4,868.02	92.14	53.833		
12,800.00	7,630.00	7,835.63	7,708.10	74.45	32.04	92.52	-7,437.76	1,268.39	4,863.58	4,770.97	92.61	52.519		
12,900.00	7,630.00	7,834.73	7,707.20	75.87	32.04	92.48	-7,437.77	1,268.38	4,767.14	4,674.05	93.10	51.207		
13,000.00	7,630.00	7,833.82	7,706.29	77.29	32.03	92.44	-7,437.78	1,268.37	4,670.85	4,577.24	93.61	49.898		
13,100.00	7,630.00	7,832.91	7,705.38	78.74	32.03	92.40	-7,437.79	1,268.37	4,574.72	4,480.58	94.14	48.593		
13,200.00	7,630.00	7,831.99	7,704.46	80.19	32.03	92.36	-7,437.80	1,268.36	4,478.76	4,384.05	94.71	47.290		
13,300.00	7,630.00	7,831.07	7,703.54	81.66	32.03	92.32	-7,437.81	1,268.35	4,382.98	4,287.68	95.30	45.992		
13,400.00	7,630.00	7,830.15	7,702.62	83.14	32.02	92.28	-7,437.82	1,268.34	4,287.39	4,191.47	95.92	44.697		
13,500.00	7,630.00	7,829.22	7,701.69	84.63	32.02	92.24	-7,437.82	1,268.33	4,192.01	4,095.43	96.57	43.407		
13,600.00	7,630.00	7,828.29	7,700.76	86.14	32.02	92.19	-7,437.83	1,268.32	4,096.84	3,999.58	97.26	42.122		
13,700.00	7,630.00	7,827.35	7,699.82	87.65	32.02	92.15	-7,437.84	1,268.31	4,001.92	3,903.93	97.99	40.842		
13,800.00	7,630.00	7,826.41	7,698.88	89.17	32.01	92.11	-7,437.85	1,268.30	3,907.24	3,808.49	98.75	39.567		
13,900.00	7,630.00	7,825.47	7,697.94	90.70	32.01	92.07	-7,437.86	1,268.30	3,812.84	3,713.29	99.55	38.299		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference 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		
14,000.00	7,630.00	7,824.52	7,696.99	92.24	32.01	92.03	-7,437.87	1,268.29	3,718.73	3,618.33	100.40	37.038		
14,100.00	7,630.00	7,823.57	7,696.04	93.78	32.01	91.98	-7,437.88	1,268.28	3,624.94	3,523.63	101.30	35.784		
14,200.00	7,630.00	7,822.61	7,695.08	95.33	32.00	91.94	-7,437.89	1,268.27	3,531.48	3,429.23	102.25	34.538		
14,300.00	7,630.00	7,821.65	7,694.12	96.89	32.00	91.90	-7,437.90	1,268.26	3,438.39	3,335.14	103.25	33.300		
14,400.00	7,630.00	7,820.69	7,693.16	98.46	32.00	91.85	-7,437.91	1,268.25	3,345.71	3,241.39	104.32	32.072		
14,500.00	7,630.00	7,819.72	7,692.19	100.03	32.00	91.81	-7,437.91	1,268.24	3,253.45	3,148.01	105.44	30.855		
14,600.00	7,630.00	7,818.75	7,691.22	101.61	31.99	91.77	-7,437.92	1,268.23	3,161.67	3,055.03	106.64	29.648		
14,700.00	7,630.00	7,817.77	7,690.24	103.20	31.99	91.72	-7,437.93	1,268.23	3,070.39	2,962.48	107.91	28.454		
14,800.00	7,630.00	7,816.79	7,689.26	104.78	31.99	91.68	-7,437.94	1,268.22	2,979.68	2,870.43	109.26	27.272		
14,900.00	7,630.00	7,815.80	7,688.28	106.38	31.98	91.63	-7,437.95	1,268.21	2,889.58	2,778.89	110.69	26.106		
15,000.00	7,630.00	7,814.81	7,687.29	107.98	31.98	91.59	-7,437.96	1,268.20	2,800.16	2,687.94	112.21	24.954		
15,100.00	7,630.00	7,813.82	7,686.29	109.58	31.98	91.54	-7,437.97	1,268.19	2,711.47	2,597.63	113.83	23.820		
15,200.00	7,630.00	7,812.82	7,685.29	111.19	31.98	91.50	-7,437.98	1,268.18	2,623.59	2,508.03	115.56	22.704		
15,300.00	7,630.00	7,811.82	7,684.29	112.81	31.97	91.45	-7,437.99	1,268.17	2,536.61	2,419.22	117.40	21.607		
15,400.00	7,630.00	7,810.81	7,683.28	114.42	31.97	91.41	-7,438.00	1,268.17	2,450.63	2,331.28	119.35	20.533		
15,500.00	7,630.00	7,809.80	7,682.27	116.05	31.97	91.36	-7,438.01	1,268.16	2,365.75	2,244.31	121.44	19.481		
15,600.00	7,630.00	7,808.78	7,681.26	117.67	31.96	91.32	-7,438.02	1,268.15	2,282.09	2,158.43	123.65	18.455		
15,700.00	7,630.00	7,807.76	7,680.24	119.30	31.96	91.27	-7,438.03	1,268.14	2,199.79	2,073.78	126.01	17.457		
15,800.00	7,630.00	7,806.74	7,679.21	120.93	31.96	91.22	-7,438.04	1,268.13	2,119.02	1,990.50	128.52	16.488		
15,900.00	7,630.00	7,805.71	7,678.18	122.57	31.96	91.18	-7,438.05	1,268.12	2,039.96	1,908.78	131.18	15.551		
16,000.00	7,630.00	7,804.67	7,677.15	124.21	31.95	91.13	-7,438.06	1,268.12	1,962.80	1,828.81	133.99	14.649		
16,100.00	7,630.00	7,803.63	7,676.11	125.85	31.95	91.09	-7,438.07	1,268.11	1,887.79	1,750.83	136.96	13.784		
16,200.00	7,630.00	7,802.59	7,675.06	127.50	31.95	91.04	-7,438.08	1,268.10	1,815.19	1,675.11	140.08	12.959		
16,300.00	7,630.00	7,801.54	7,674.02	129.15	31.94	90.99	-7,438.09	1,268.09	1,745.30	1,601.97	143.33	12.177		
16,400.00	7,630.00	7,800.49	7,672.96	130.80	31.94	90.94	-7,438.10	1,268.08	1,678.46	1,531.75	146.71	11.441		
16,500.00	7,630.00	7,799.43	7,671.90	132.46	31.94	90.90	-7,438.11	1,268.07	1,615.05	1,464.87	150.17	10.755		
16,600.00	7,630.00	7,798.37	7,670.84	134.11	31.94	90.85	-7,438.12	1,268.07	1,555.48	1,401.79	153.69	10.121		
16,700.00	7,630.00	7,797.30	7,669.77	135.77	31.93	90.80	-7,438.14	1,268.06	1,500.22	1,343.02	157.20	9.543		
16,800.00	7,630.00	7,796.23	7,668.70	137.43	31.93	90.75	-7,438.15	1,268.05	1,449.76	1,289.13	160.64	9.025		
16,900.00	7,630.00	7,795.15	7,667.62	139.10	31.93	90.70	-7,438.16	1,268.04	1,404.62	1,240.71	163.91	8.569		
17,000.00	7,630.00	7,794.07	7,666.54	140.77	31.92	90.65	-7,438.17	1,268.03	1,365.32	1,198.40	166.92	8.179		
17,100.00	7,630.00	7,792.98	7,665.45	142.44	31.92	90.61	-7,438.18	1,268.02	1,332.38	1,162.83	169.56	7.858		
17,200.00	7,630.00	7,791.89	7,664.36	144.11	31.92	90.56	-7,438.19	1,268.02	1,306.29	1,134.58	171.70	7.608		
17,300.00	7,630.00	7,790.79	7,663.26	145.78	31.91	90.51	-7,438.20	1,268.01	1,287.45	1,114.20	173.24	7.431		
17,400.00	7,630.00	7,789.69	7,662.16	147.46	31.91	90.46	-7,438.21	1,268.00	1,276.19	1,102.09	174.10	7.330		
17,494.35	7,630.00	7,788.64	7,661.12	149.04	31.91	90.41	-7,438.22	1,267.99	1,272.69	1,098.48	174.22	7.305 CC, ES, SF		
17,500.00	7,630.00	7,788.58	7,661.05	149.13	31.91	90.41	-7,438.22	1,267.99	1,272.71	1,098.50	174.20	7.306		
17,600.00	7,630.00	7,787.46	7,659.94	150.81	31.91	90.36	-7,438.24	1,267.98	1,277.07	1,103.53	173.54	7.359		
17,700.00	7,630.00	7,786.35	7,658.82	152.49	31.90	90.31	-7,438.25	1,267.98	1,289.20	1,117.06	172.14	7.489		
17,800.00	7,630.00	7,785.22	7,657.70	154.18	31.90	90.26	-7,438.26	1,267.97	1,308.88	1,138.82	170.05	7.697		
17,900.00	7,630.00	7,784.09	7,656.57	155.86	31.90	90.21	-7,438.27	1,267.96	1,335.77	1,168.38	167.38	7.980		
18,000.00	7,630.00	7,782.96	7,655.44	157.55	31.89	90.15	-7,438.28	1,267.95	1,369.45	1,205.21	164.24	8.338		
18,100.00	7,630.00	7,781.82	7,654.30	159.24	31.89	90.10	-7,438.29	1,267.95	1,409.44	1,248.69	160.75	8.768		
18,200.00	7,630.00	7,780.68	7,653.15	160.92	31.89	90.05	-7,438.31	1,267.94	1,455.21	1,298.18	157.02	9.267		
18,300.00	7,630.00	7,779.53	7,652.00	162.62	31.88	90.00	-7,438.32	1,267.93	1,506.23	1,353.07	153.17	9.834		
18,400.00	7,630.00	7,778.37	7,650.85	164.31	31.88	89.95	-7,438.33	1,267.92	1,562.00	1,412.73	149.27	10.464		
18,458.39	7,630.00	7,777.69	7,650.17	165.30	31.88	89.92	-7,438.34	1,267.92	1,596.56	1,449.56	147.01	10.861		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference 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	68.37	68.37	0.00	0.11	163.21	-7,136.62	2,153.57	7,454.62					
100.00	100.00	124.72	124.71	0.13	0.29	163.22	-7,136.67	2,152.63	7,454.26	7,453.83	0.43	N/A		
105.61	105.61	127.62	127.61	0.15	0.30	163.22	-7,136.69	2,152.59	7,454.26	7,453.80	0.46	N/A		
200.00	200.00	187.33	187.31	0.49	0.52	163.22	-7,137.18	2,151.63	7,454.53	7,453.52	1.01	7,380.343		
300.00	300.00	294.50	294.40	0.85	0.91	163.25	-7,138.77	2,147.90	7,454.95	7,453.19	1.76	4,239.827		
400.00	400.00	373.66	373.38	1.21	1.20	163.30	-7,140.58	2,142.95	7,455.36	7,452.95	2.41	3,091.779		
500.00	500.00	440.00	439.46	1.57	1.45	163.34	-7,142.94	2,137.62	7,456.40	7,453.38	3.02	2,467.622		
600.00	600.00	440.00	439.46	1.93	1.45	163.34	-7,142.94	2,137.62	7,458.17	7,454.79	3.38	2,206.231		
700.00	700.00	483.58	482.80	2.29	1.63	163.37	-7,145.22	2,133.62	7,460.81	7,456.90	3.91	1,907.993		
800.00	800.00	533.00	531.84	2.64	1.82	163.42	-7,148.81	2,128.67	7,464.65	7,460.18	4.46	1,672.689		
900.00	900.00	533.00	531.84	3.00	1.82	163.42	-7,148.81	2,128.67	7,469.20	7,464.38	4.82	1,549.684		
1,000.00	1,000.00	577.92	576.32	3.36	2.01	163.46	-7,152.81	2,123.83	7,474.76	7,469.40	5.36	1,394.432		
1,100.00	1,100.00	625.00	622.85	3.72	2.21	163.51	-7,157.54	2,118.45	7,481.13	7,475.22	5.91	1,265.919		
1,200.00	1,199.98	656.25	653.68	4.07	2.34	112.34	-7,160.99	2,114.67	7,488.96	7,482.57	6.40	1,170.866		
1,300.00	1,299.84	717.00	713.42	4.43	2.61	112.25	-7,168.51	2,106.63	7,499.05	7,492.04	7.01	1,069.910		
1,400.00	1,399.45	717.00	713.42	4.79	2.61	112.03	-7,168.51	2,106.63	7,511.12	7,503.76	7.36	1,020.373		
1,500.00	1,498.70	755.81	751.43	5.15	2.80	111.84	-7,173.96	2,100.98	7,525.47	7,517.57	7.90	952.838		
1,600.00	1,597.47	809.00	803.25	5.53	3.05	111.67	-7,182.43	2,092.50	7,542.22	7,533.71	8.51	886.175		
1,700.00	1,695.62	809.00	803.25	5.93	3.05	111.32	-7,182.43	2,092.50	7,560.89	7,552.00	8.89	850.607		
1,800.00	1,793.06	809.00	803.25	6.35	3.05	110.92	-7,182.43	2,092.50	7,582.08	7,572.80	9.28	816.782		
1,900.00	1,889.64	851.36	844.30	6.79	3.27	110.61	-7,190.03	2,085.35	7,605.23	7,595.32	9.91	767.636		
2,000.00	1,985.27	898.00	889.29	7.27	3.51	110.29	-7,199.34	2,077.34	7,630.91	7,620.33	10.58	721.304		
2,100.00	2,079.82	898.00	889.29	7.79	3.51	109.76	-7,199.34	2,077.34	7,658.37	7,647.33	11.05	693.244		
2,200.00	2,173.17	898.00	889.29	8.36	3.51	109.17	-7,199.34	2,077.34	7,688.17	7,676.62	11.55	665.820		
2,300.00	2,265.21	938.64	928.34	8.97	3.74	108.71	-7,208.10	2,070.30	7,719.89	7,707.59	12.30	627.847		
2,400.00	2,355.84	962.82	951.53	9.64	3.87	108.15	-7,213.54	2,066.10	7,753.63	7,740.64	13.00	596.613		
2,500.00	2,444.94	1,011.00	997.61	10.36	4.14	107.66	-7,224.84	2,057.73	7,789.43	7,775.57	13.86	561.979		
2,591.69	2,525.19	1,011.00	997.61	11.07	4.14	106.96	-7,224.84	2,057.73	7,823.67	7,809.21	14.46	541.057		
2,600.00	2,532.40	1,011.00	997.61	11.14	4.14	106.96	-7,224.84	2,057.73	7,826.86	7,812.34	14.52	539.173		
2,700.00	2,619.15	1,011.00	997.61	11.96	4.14	106.96	-7,224.84	2,057.73	7,865.77	7,850.58	15.20	517.607		
2,800.00	2,705.89	1,049.55	1,034.38	12.81	4.37	107.16	-7,234.34	2,051.08	7,905.45	7,889.36	16.10	491.170		
2,900.00	2,792.64	1,069.92	1,053.76	13.67	4.49	107.27	-7,239.53	2,047.62	7,946.09	7,929.18	16.90	470.083		
3,000.00	2,879.39	1,100.00	1,082.35	14.55	4.67	107.43	-7,247.41	2,042.56	7,987.61	7,969.84	17.77	449.390		
3,100.00	2,966.14	1,100.00	1,082.35	15.44	4.67	107.43	-7,247.41	2,042.56	8,029.98	8,011.50	18.48	434.498		
3,200.00	3,052.88	1,134.37	1,114.96	16.34	4.87	107.61	-7,256.68	2,036.92	8,073.14	8,053.77	19.38	416.664		
3,300.00	3,139.63	1,157.04	1,136.45	17.25	5.01	107.73	-7,262.94	2,033.29	8,117.15	8,096.94	20.21	401.708		
3,400.00	3,226.38	1,187.00	1,164.81	18.17	5.19	107.88	-7,271.38	2,028.60	8,161.97	8,140.89	21.08	387.251		
3,500.00	3,313.12	1,187.00	1,164.81	19.09	5.19	107.88	-7,271.38	2,028.60	8,207.59	8,185.82	21.78	376.894		
3,600.00	3,399.87	1,223.21	1,199.00	20.02	5.42	108.07	-7,281.87	2,022.93	8,253.93	8,231.26	22.68	363.985		
3,700.00	3,486.62	1,244.41	1,218.95	20.96	5.55	108.18	-7,288.17	2,019.53	8,301.09	8,277.60	23.49	353.424		
3,800.00	3,573.37	1,275.00	1,247.66	21.90	5.75	108.34	-7,297.47	2,014.50	8,349.02	8,324.68	24.35	342.916		
3,900.00	3,660.11	1,275.00	1,247.66	22.84	5.75	108.34	-7,297.47	2,014.50	8,397.71	8,372.68	25.03	335.553		
4,000.00	3,746.86	1,324.79	1,294.25	23.78	6.07	108.60	-7,312.95	2,006.22	8,447.00	8,421.01	25.99	325.019		
4,100.00	3,833.61	1,362.00	1,329.01	24.73	6.32	108.79	-7,324.70	2,000.06	8,496.97	8,470.09	26.87	316.180		
4,200.00	3,920.35	1,403.03	1,367.29	25.68	6.60	109.00	-7,337.78	1,993.17	8,547.52	8,519.75	27.78	307.715		
4,300.00	4,007.10	1,449.00	1,410.10	26.63	6.91	109.24	-7,352.53	1,985.23	8,598.59	8,569.89	28.70	299.554		
4,400.00	4,093.85	1,449.00	1,410.10	27.59	6.91	109.24	-7,352.53	1,985.23	8,650.35	8,621.00	29.35	294.725		
4,500.00	4,180.60	1,490.59	1,448.71	28.55	7.20	109.46	-7,366.12	1,977.88	8,702.64	8,672.39	30.24	287.759		
4,600.00	4,267.34	1,537.00	1,491.60	29.50	7.53	109.70	-7,381.76	1,969.53	8,755.82	8,724.66	31.16	281.014		
4,700.00	4,354.09	1,537.00	1,491.60	30.46	7.53	109.70	-7,381.76	1,969.53	8,809.43	8,777.64	31.78	277.189		
4,800.00	4,440.84	1,537.00	1,491.60	31.42	7.53	109.70	-7,381.76	1,969.53	8,863.84	8,831.44	32.40	273.606		
4,900.00	4,527.58	1,537.00	1,491.60	32.39	7.53	109.70	-7,381.76	1,969.53	8,919.04	8,886.04	33.00	270.249		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,614.33	1,577.62	1,528.94	33.35	7.83	109.91	-7,395.94	1,962.12	8,974.64	8,940.79	33.86	265.065		
5,100.00	4,701.08	1,592.54	1,542.60	34.31	7.94	109.99	-7,401.28	1,959.37	9,031.06	8,996.51	34.54	261.438		
5,200.00	4,787.82	1,624.00	1,571.29	35.28	8.17	110.15	-7,412.78	1,953.54	9,088.18	9,052.86	35.33	257.261		
5,300.00	4,874.57	1,624.00	1,571.29	36.25	8.17	110.15	-7,412.78	1,953.54	9,145.82	9,109.92	35.90	254.745		
5,400.00	4,961.32	1,624.00	1,571.29	37.21	8.17	110.15	-7,412.78	1,953.54	9,204.19	9,167.72	36.47	252.386		
5,500.00	5,048.07	1,661.72	1,605.56	38.18	8.46	110.35	-7,426.89	1,946.53	9,263.04	9,225.77	37.27	248.523		
5,600.00	5,134.81	1,681.85	1,623.81	39.15	8.61	110.45	-7,434.54	1,942.81	9,322.51	9,284.56	37.95	245.620		
5,700.00	5,221.56	1,711.00	1,650.17	40.12	8.84	110.60	-7,445.75	1,937.44	9,382.56	9,343.87	38.69	242.511		
5,800.00	5,308.31	1,735.81	1,672.57	41.09	9.03	110.73	-7,455.37	1,932.84	9,443.11	9,403.72	39.39	239.734		
5,900.00	5,395.05	1,781.42	1,713.70	42.06	9.39	110.96	-7,473.09	1,924.19	9,504.07	9,463.85	40.22	236.293		
6,000.00	5,481.80	2,207.39	2,100.54	43.03	12.73	113.09	-7,631.39	1,842.25	9,564.35	9,520.79	43.57	219.541		
6,100.00	5,568.55	2,235.00	2,125.78	44.00	12.94	113.22	-7,641.17	1,836.84	9,623.73	9,579.45	44.27	217.377		
6,200.00	5,655.30	2,235.00	2,125.78	44.97	12.94	113.22	-7,641.17	1,836.84	9,683.71	9,638.92	44.79	216.202		
6,300.00	5,742.04	2,268.21	2,156.06	45.94	13.21	113.38	-7,653.11	1,830.27	9,744.11	9,698.59	45.52	214.048		
6,400.00	5,828.79	2,282.19	2,168.76	46.92	13.32	113.45	-7,658.24	1,827.45	9,805.15	9,759.03	46.12	212.599		
6,500.00	5,915.54	2,322.00	2,204.76	47.89	13.64	113.65	-7,673.16	1,819.30	9,866.89	9,820.01	46.88	210.452		
6,600.00	6,002.28	2,322.00	2,204.76	48.86	13.64	113.65	-7,673.16	1,819.30	9,928.91	9,881.54	47.37	209.585		
6,700.00	6,089.03	2,340.32	2,221.28	49.83	13.79	113.74	-7,680.13	1,815.51	9,991.55	9,943.57	47.98	208.239		
8,900.00	7,630.00	8,357.61	7,986.80	59.61	43.42	103.85	-8,719.88	1,178.58	9,974.82	9,889.81	85.01	117.337		
9,000.00	7,630.00	8,356.24	7,985.43	59.15	43.42	103.80	-8,719.93	1,178.56	9,875.82	9,790.71	85.11	116.037		
9,100.00	7,630.00	8,354.85	7,984.04	58.71	43.42	103.74	-8,719.97	1,178.54	9,776.83	9,691.62	85.21	114.735		
9,200.00	7,630.00	8,353.44	7,982.63	58.30	43.41	103.69	-8,720.02	1,178.53	9,677.87	9,592.55	85.32	113.432		
9,300.00	7,630.00	8,352.02	7,981.20	57.91	43.41	103.63	-8,720.06	1,178.51	9,578.93	9,493.50	85.43	112.128		
9,400.00	7,630.00	8,350.57	7,979.76	57.54	43.41	103.57	-8,720.11	1,178.49	9,480.01	9,394.47	85.54	110.823		
9,500.00	7,630.00	8,349.11	7,978.30	57.19	43.41	103.51	-8,720.16	1,178.48	9,381.11	9,295.45	85.66	109.517		
9,600.00	7,630.00	8,347.62	7,976.82	56.87	43.40	103.45	-8,720.21	1,178.46	9,282.24	9,196.46	85.78	108.210		
9,700.00	7,630.00	8,346.12	7,975.31	56.57	43.40	103.39	-8,720.26	1,178.44	9,183.39	9,097.48	85.90	106.902		
9,800.00	7,630.00	8,344.60	7,973.79	56.30	43.40	103.33	-8,720.31	1,178.42	9,084.56	8,998.53	86.03	105.593		
9,900.00	7,630.00	8,343.06	7,972.25	56.05	43.40	103.27	-8,720.37	1,178.41	8,985.76	8,899.60	86.17	104.283		
10,000.00	7,630.00	8,341.49	7,970.69	55.82	43.39	103.21	-8,720.42	1,178.39	8,886.99	8,800.68	86.30	102.973		
10,100.00	7,630.00	8,339.90	7,969.10	55.63	43.39	103.14	-8,720.48	1,178.37	8,788.24	8,701.80	86.45	101.662		
10,200.00	7,630.00	8,338.30	7,967.49	55.46	43.39	103.08	-8,720.53	1,178.36	8,689.52	8,602.93	86.59	100.350		
10,300.00	7,630.00	8,336.67	7,965.87	55.32	43.38	103.01	-8,720.59	1,178.34	8,590.83	8,504.09	86.74	99.037		
10,400.00	7,630.00	8,335.01	7,964.21	55.22	43.38	102.95	-8,720.65	1,178.32	8,492.17	8,405.27	86.90	97.724		
10,500.00	7,630.00	8,333.34	7,962.54	55.15	43.38	102.88	-8,720.71	1,178.31	8,393.54	8,306.48	87.06	96.410		
10,600.00	7,630.00	8,331.64	7,960.84	55.14	43.38	102.81	-8,720.77	1,178.29	8,294.95	8,207.72	87.23	95.095		
10,700.00	7,630.00	8,329.91	7,959.12	55.18	43.37	102.74	-8,720.83	1,178.27	8,196.38	8,108.98	87.40	93.780		
10,800.00	7,630.00	8,328.16	7,957.37	55.28	43.37	102.67	-8,720.89	1,178.25	8,097.85	8,010.28	87.58	92.465		
10,900.00	7,630.00	8,326.39	7,955.60	55.47	43.37	102.60	-8,720.96	1,178.24	7,999.36	7,911.60	87.76	91.149		
11,000.00	7,630.00	8,324.59	7,953.80	55.74	43.36	102.53	-8,721.03	1,178.22	7,900.90	7,812.95	87.95	89.833		
11,100.00	7,630.00	8,322.76	7,951.97	56.11	43.36	102.45	-8,721.09	1,178.20	7,802.49	7,714.34	88.15	88.516		
11,200.00	7,630.00	8,320.91	7,950.12	56.60	43.36	102.38	-8,721.16	1,178.19	7,704.11	7,615.76	88.35	87.199		
11,300.00	7,630.00	8,319.03	7,948.24	57.20	43.35	102.30	-8,721.23	1,178.17	7,605.77	7,517.21	88.56	85.882		
11,400.00	7,630.00	8,317.12	7,946.33	57.91	43.35	102.23	-8,721.31	1,178.15	7,507.48	7,418.70	88.78	84.565		
11,500.00	7,630.00	8,315.18	7,944.39	58.72	43.35	102.15	-8,721.38	1,178.14	7,409.23	7,320.23	89.00	83.248		
11,600.00	7,630.00	8,313.21	7,942.43	59.63	43.34	102.07	-8,721.46	1,178.12	7,311.03	7,221.79	89.23	81.931		
11,700.00	7,630.00	8,311.21	7,940.43	60.61	43.34	101.99	-8,721.54	1,178.10	7,212.87	7,123.40	89.47	80.614		
11,800.00	7,630.00	8,309.18	7,938.40	61.67	43.33	101.91	-8,721.62	1,178.09	7,114.77	7,025.04	89.72	79.297		
11,900.00	7,630.00	8,307.12	7,936.34	62.78	43.33	101.82	-8,721.70	1,178.07	7,016.72	6,926.74	89.98	77.981		
12,000.00	7,630.00	8,305.03	7,934.25	63.95	43.33	101.74	-8,721.78	1,178.05	6,918.72	6,828.47	90.25	76.664		
12,100.00	7,630.00	8,302.90	7,932.12	65.16	43.32	101.65	-8,721.87	1,178.04	6,820.78	6,730.25	90.52	75.348		
12,200.00	7,630.00	8,300.74	7,929.96	66.41	43.32	101.57	-8,721.95	1,178.02	6,722.90	6,632.09	90.81	74.033		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
12,300.00	7,630.00	8,298.54	7,927.77	67.68	43.31	101.48	-8,722.04	1,178.00	6,625.08	6,533.97	91.11	72.718		
12,400.00	7,630.00	8,296.31	7,925.54	68.99	43.31	101.39	-8,722.14	1,177.99	6,527.32	6,435.91	91.41	71.403		
12,500.00	7,630.00	8,294.04	7,923.28	70.33	43.31	101.29	-8,722.23	1,177.97	6,429.64	6,337.90	91.73	70.090		
12,600.00	7,630.00	8,291.74	7,920.97	71.68	43.30	101.20	-8,722.33	1,177.96	6,332.02	6,239.96	92.07	68.777		
12,700.00	7,630.00	8,289.39	7,918.63	73.06	43.30	101.11	-8,722.43	1,177.94	6,234.48	6,142.07	92.41	67.465		
12,800.00	7,630.00	12,800.00	7,896.23	74.45	51.64	100.19	-8,723.47	1,177.82	6,137.12	6,032.33	104.80	58.562		
12,900.00	7,630.00	12,900.00	7,892.24	75.87	51.83	100.03	-8,723.62	1,177.80	6,039.73	5,934.28	105.44	57.280		
13,000.00	7,630.00	13,000.00	7,888.25	77.29	52.02	99.86	-8,723.78	1,177.79	5,942.41	5,836.31	106.10	56.007		
13,100.00	7,630.00	13,100.00	7,884.25	78.74	52.21	99.70	-8,723.94	1,177.77	5,845.19	5,738.41	106.78	54.742		
13,200.00	7,630.00	13,200.00	7,880.26	80.19	52.40	99.54	-8,724.10	1,177.75	5,748.05	5,640.58	107.47	53.485		
13,300.00	7,630.00	13,300.00	7,876.27	81.66	52.59	99.37	-8,724.26	1,177.74	5,651.02	5,542.84	108.18	52.237		
13,400.00	7,630.00	13,400.00	7,872.28	83.14	52.78	99.21	-8,724.42	1,177.72	5,554.08	5,445.18	108.91	50.998		
13,500.00	7,630.00	8,288.41	7,917.65	84.63	43.30	101.06	-8,722.37	1,177.90	5,457.25	5,361.46	95.79	56.974		
13,600.00	7,630.00	8,279.99	7,909.23	86.14	43.28	100.72	-8,722.78	1,177.87	5,360.57	5,264.32	96.25	55.692		
13,700.00	7,630.00	8,271.79	7,901.04	87.65	43.27	100.39	-8,723.18	1,177.83	5,264.02	5,167.27	96.75	54.411		
13,800.00	7,630.00	8,263.81	7,893.08	89.17	43.25	100.06	-8,723.56	1,177.80	5,167.58	5,070.32	97.26	53.132		
13,900.00	7,630.00	8,256.05	7,885.32	90.70	43.24	99.74	-8,723.92	1,177.77	5,071.28	4,973.48	97.80	51.854		
14,000.00	7,630.00	8,248.48	7,877.76	92.24	43.22	99.43	-8,724.27	1,177.74	4,975.12	4,876.75	98.36	50.579		
14,100.00	7,630.00	8,241.11	7,870.39	93.78	43.21	99.13	-8,724.61	1,177.72	4,879.10	4,780.15	98.95	49.307		
14,200.00	7,630.00	8,233.92	7,863.21	95.33	43.20	98.84	-8,724.94	1,177.69	4,783.24	4,683.66	99.57	48.037		
14,300.00	7,630.00	8,226.91	7,856.22	96.89	43.19	98.55	-8,725.25	1,177.66	4,687.54	4,587.32	100.23	46.770		
14,400.00	7,630.00	8,220.08	7,849.39	98.46	43.17	98.27	-8,725.55	1,177.63	4,592.03	4,491.12	100.91	45.507		
14,500.00	7,630.00	8,213.42	7,842.73	100.03	43.16	97.99	-8,725.84	1,177.61	4,496.70	4,395.07	101.63	44.247		
14,600.00	7,630.00	8,206.91	7,836.23	101.61	43.15	97.72	-8,726.12	1,177.58	4,401.57	4,299.19	102.38	42.992		
14,700.00	7,630.00	8,200.56	7,829.88	103.20	43.14	97.46	-8,726.39	1,177.56	4,306.65	4,203.48	103.18	41.741		
14,800.00	7,630.00	8,194.36	7,823.69	104.78	43.13	97.20	-8,726.65	1,177.53	4,211.97	4,107.96	104.01	40.495		
14,900.00	7,630.00	8,188.30	7,817.64	106.38	43.12	96.95	-8,726.90	1,177.51	4,117.53	4,012.64	104.89	39.255		
15,000.00	7,630.00	8,182.38	7,811.72	107.98	43.11	96.70	-8,727.15	1,177.49	4,023.35	3,917.53	105.82	38.021		
15,100.00	7,630.00	8,176.60	7,805.95	109.58	43.10	96.46	-8,727.38	1,177.46	3,929.45	3,822.65	106.80	36.793		
15,200.00	7,630.00	8,170.95	7,800.30	111.19	43.09	96.23	-8,727.61	1,177.44	3,835.86	3,728.03	107.83	35.573		
15,300.00	7,630.00	8,165.42	7,794.77	112.81	43.08	96.00	-8,727.83	1,177.42	3,742.59	3,633.67	108.92	34.360		
15,400.00	7,630.00	8,160.01	7,789.37	114.42	43.07	95.77	-8,728.04	1,177.40	3,649.67	3,539.60	110.08	33.156		
15,500.00	7,630.00	8,154.72	7,784.09	116.05	43.06	95.55	-8,728.24	1,177.38	3,557.13	3,445.84	111.30	31.961		
15,600.00	7,630.00	8,149.55	7,778.92	117.67	43.05	95.34	-8,728.44	1,177.36	3,465.00	3,352.41	112.59	30.775		
15,700.00	7,630.00	8,144.48	7,773.86	119.30	43.04	95.12	-8,728.63	1,177.34	3,373.32	3,259.35	113.96	29.601		
15,800.00	7,630.00	8,139.53	7,768.90	120.93	43.03	94.92	-8,728.82	1,177.32	3,282.11	3,166.69	115.41	28.438		
15,900.00	7,630.00	8,134.67	7,764.05	122.57	43.02	94.71	-8,729.00	1,177.30	3,191.42	3,074.46	116.96	27.288		
16,000.00	7,630.00	8,129.92	7,759.30	124.21	43.01	94.51	-8,729.18	1,177.28	3,101.30	2,982.71	118.59	26.151		
16,100.00	7,630.00	8,125.26	7,754.64	125.85	43.00	94.32	-8,729.34	1,177.26	3,011.80	2,891.46	120.33	25.029		
16,200.00	7,630.00	8,120.70	7,750.08	127.50	43.00	94.13	-8,729.51	1,177.24	2,922.97	2,800.78	122.19	23.922		
16,300.00	7,630.00	8,116.23	7,745.62	129.15	42.99	93.94	-8,729.67	1,177.22	2,834.88	2,710.72	124.16	22.833		
16,400.00	7,630.00	8,111.00	7,741.39	130.80	42.99	93.93	-8,729.67	1,177.26	2,747.58	2,621.30	126.28	21.757		
16,500.00	7,630.00	8,111.00	7,740.39	132.46	42.98	93.72	-8,729.85	1,177.23	2,661.20	2,532.68	128.51	20.707		
16,600.00	7,630.00	8,106.11	7,735.51	134.11	42.97	93.52	-8,730.02	1,177.20	2,575.79	2,444.90	130.89	19.678		
16,700.00	7,630.00	8,101.35	7,730.75	135.77	42.96	93.32	-8,730.19	1,177.17	2,491.46	2,358.03	133.43	18.672		
16,800.00	7,630.00	8,096.69	7,726.09	137.43	42.95	93.12	-8,730.35	1,177.15	2,408.33	2,272.20	136.14	17.691		
16,900.00	7,630.00	8,092.14	7,721.55	139.10	42.95	92.93	-8,730.50	1,177.13	2,326.52	2,187.50	139.02	16.735		
17,000.00	7,630.00	8,087.70	7,717.11	140.77	42.94	92.74	-8,730.65	1,177.11	2,246.17	2,104.08	142.09	15.808		
17,100.00	7,630.00	8,083.36	7,712.77	142.44	42.93	92.56	-8,730.79	1,177.09	2,167.45	2,022.10	145.36	14.911		
17,200.00	7,630.00	8,079.11	7,708.52	144.11	42.92	92.38	-8,730.93	1,177.08	2,090.55	1,941.72	148.83	14.047		
17,300.00	7,630.00	8,074.96	7,704.38	145.78	42.91	92.21	-8,731.06	1,177.06	2,015.67	1,863.16	152.51	13.217		
17,400.00	7,630.00	8,070.90	7,700.32	147.46	42.91	92.04	-8,731.19	1,177.05	1,943.04	1,786.64	156.40	12.424		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<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	
17,500.00	7,630.00	8,066.93	7,696.35	149.13	42.90	91.87	-8,731.32	1,177.04	1,872.93	1,712.44	160.49	11.670	
17,600.00	7,630.00	8,063.04	7,692.46	150.81	42.89	91.71	-8,731.44	1,177.02	1,805.63	1,640.86	164.77	10.958	
17,700.00	7,630.00	8,059.24	7,688.66	152.49	42.88	91.54	-8,731.56	1,177.01	1,741.47	1,572.25	169.22	10.291	
17,800.00	7,630.00	8,055.52	7,684.94	154.18	42.88	91.39	-8,731.67	1,177.01	1,680.81	1,507.00	173.81	9.670	
17,900.00	7,630.00	8,051.87	7,681.29	155.86	42.87	91.23	-8,731.78	1,177.00	1,624.03	1,445.55	178.48	9.099	
18,000.00	7,630.00	8,048.30	7,677.72	157.55	42.86	91.08	-8,731.89	1,176.99	1,571.57	1,388.40	183.17	8.580	
18,100.00	7,630.00	8,044.80	7,674.23	159.24	42.86	90.94	-8,731.99	1,176.99	1,523.86	1,336.07	187.79	8.115	
18,200.00	7,630.00	8,041.37	7,670.80	160.92	42.85	90.79	-8,732.10	1,176.98	1,481.37	1,289.14	192.23	7.706	
18,300.00	7,630.00	8,038.01	7,667.44	162.62	42.84	90.65	-8,732.19	1,176.98	1,444.56	1,248.19	196.37	7.356	
18,400.00	7,630.00	8,034.72	7,664.15	164.31	42.84	90.51	-8,732.29	1,176.97	1,413.86	1,213.79	200.08	7.067	
18,458.39	7,630.00	8,032.82	7,662.26	165.30	42.83	90.43	-8,732.34	1,176.97	1,398.94	1,196.95	201.99	6.926 CC, ES, SF	



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference 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	41.18	41.18	0.00	0.06	163.25	-7,154.46	2,153.60	7,471.59					
100.00	100.00	114.23	114.23	0.13	0.25	163.25	-7,154.23	2,153.72	7,471.38	7,471.00	0.38	N/A		
200.00	200.00	166.00	166.00	0.49	0.43	163.25	-7,154.58	2,153.39	7,471.83	7,470.91	0.92	8,103.335		
300.00	300.00	211.38	211.36	0.85	0.59	163.25	-7,155.29	2,152.86	7,472.96	7,471.52	1.44	5,187.272		
400.00	400.00	257.00	256.97	1.21	0.75	163.26	-7,156.35	2,152.19	7,474.79	7,472.83	1.96	3,814.863		
500.00	500.00	299.26	299.20	1.57	0.90	163.27	-7,157.74	2,151.31	7,477.37	7,474.90	2.47	3,027.287		
600.00	600.00	349.00	348.86	1.93	1.08	163.29	-7,160.01	2,149.74	7,480.76	7,477.76	3.01	2,488.016		
700.00	700.00	379.35	379.14	2.29	1.19	163.30	-7,161.74	2,148.52	7,484.93	7,481.45	3.48	2,153.209		
800.00	800.00	440.00	439.57	2.64	1.42	163.33	-7,165.90	2,145.56	7,489.98	7,485.92	4.06	1,846.170		
900.00	900.00	440.00	439.57	3.00	1.42	163.33	-7,165.90	2,145.56	7,495.75	7,491.34	4.41	1,698.201		
1,000.00	1,000.00	487.18	486.52	3.36	1.60	163.36	-7,169.84	2,143.00	7,502.38	7,497.44	4.95	1,516.411		
1,100.00	1,100.00	533.00	532.05	3.72	1.78	163.39	-7,174.29	2,140.54	7,510.02	7,504.54	5.48	1,371.508		
1,200.00	1,199.98	533.00	532.05	4.07	1.78	112.15	-7,174.29	2,140.54	7,519.19	7,513.36	5.83	1,290.351		
1,300.00	1,299.84	592.43	591.00	4.43	2.02	112.00	-7,180.95	2,136.97	7,530.38	7,523.98	6.41	1,175.168		
1,400.00	1,399.45	625.00	623.23	4.79	2.16	111.79	-7,185.03	2,134.67	7,543.77	7,536.88	6.89	1,095.376		
1,500.00	1,498.70	675.03	672.63	5.15	2.37	111.59	-7,191.82	2,130.62	7,559.19	7,551.74	7.45	1,014.964		
1,600.00	1,597.47	717.00	713.96	5.53	2.55	111.35	-7,197.97	2,126.73	7,576.62	7,568.64	7.98	948.871		
1,700.00	1,695.62	750.39	746.77	5.93	2.71	111.06	-7,203.19	2,123.33	7,596.11	7,587.61	8.51	893.000		
1,800.00	1,793.06	782.15	777.89	6.35	2.85	110.73	-7,208.48	2,119.88	7,617.70	7,608.66	9.04	842.886		
1,900.00	1,889.64	809.00	804.14	6.79	2.98	110.36	-7,213.20	2,116.80	7,641.37	7,631.80	9.57	798.558		
2,000.00	1,985.27	843.49	837.79	7.27	3.15	109.97	-7,219.57	2,112.64	7,667.08	7,656.92	10.17	754.179		
2,100.00	2,079.82	898.00	890.75	7.79	3.42	109.63	-7,230.35	2,105.62	7,694.94	7,684.06	10.88	706.978		
2,200.00	2,173.17	898.00	890.75	8.36	3.42	109.05	-7,230.35	2,105.62	7,724.56	7,713.18	11.39	678.453		
2,300.00	2,265.21	898.00	890.75	8.97	3.42	108.41	-7,230.35	2,105.62	7,756.44	7,744.52	11.92	650.596		
2,400.00	2,355.84	939.36	930.79	9.64	3.64	107.91	-7,239.19	2,100.13	7,790.06	7,777.36	12.70	613.619		
2,500.00	2,444.94	986.00	976.76	10.36	3.88	107.40	-7,249.94	2,094.04	7,825.97	7,812.43	13.53	578.214		
2,591.69	2,525.19	986.00	975.76	11.07	3.88	106.70	-7,249.94	2,094.04	7,860.20	7,846.07	14.14	556.042		
2,600.00	2,532.40	986.00	975.76	11.14	3.88	106.70	-7,249.94	2,094.04	7,863.38	7,849.19	14.19	554.049		
2,700.00	2,619.15	986.00	975.76	11.96	3.88	106.70	-7,249.94	2,094.04	7,902.28	7,887.41	14.87	531.247		
2,800.00	2,705.89	1,018.25	1,006.77	12.81	4.06	106.86	-7,257.78	2,089.98	7,942.05	7,926.33	15.73	505.008		
2,900.00	2,792.64	1,036.00	1,023.83	13.67	4.16	106.95	-7,262.20	2,087.83	7,982.69	7,966.17	16.52	483.282		
3,000.00	2,879.39	1,036.00	1,023.83	14.55	4.16	106.95	-7,262.20	2,087.83	8,024.31	8,007.09	17.22	465.864		
3,100.00	2,966.14	1,085.92	1,071.78	15.44	4.44	107.19	-7,274.96	2,082.34	8,066.46	8,048.29	18.18	443.758		
3,200.00	3,052.88	1,108.45	1,093.40	16.34	4.56	107.30	-7,280.88	2,080.16	8,109.58	8,090.58	19.00	426.819		
3,300.00	3,139.63	1,143.00	1,126.55	17.25	4.76	107.46	-7,290.17	2,077.16	8,153.53	8,133.65	19.88	410.052		
3,400.00	3,226.38	1,168.40	1,150.90	18.17	4.90	107.58	-7,297.10	2,075.12	8,198.18	8,177.46	20.72	395.720		
3,500.00	3,313.12	1,222.15	1,202.42	19.09	5.20	107.83	-7,311.83	2,070.91	8,243.40	8,221.71	21.69	380.063		
3,600.00	3,399.87	1,328.50	1,304.39	20.02	5.81	108.33	-7,340.90	2,062.74	8,288.94	8,266.02	22.92	361.591		
3,700.00	3,486.62	1,503.83	1,472.88	20.96	6.82	109.13	-7,387.24	2,048.38	8,333.98	8,309.47	24.51	340.071		
3,800.00	3,573.37	1,547.73	1,515.07	21.90	7.07	109.33	-7,398.74	2,044.52	8,379.21	8,353.78	25.43	329.499		
3,900.00	3,660.11	1,594.30	1,559.76	22.84	7.34	109.54	-7,411.10	2,040.22	8,425.01	8,398.65	26.36	319.560		
4,000.00	3,746.86	1,649.42	1,612.58	23.78	7.67	109.79	-7,425.90	2,034.84	8,471.31	8,443.97	27.34	309.838		
4,100.00	3,833.61	1,727.64	1,687.46	24.73	8.14	110.15	-7,447.00	2,026.78	8,518.01	8,489.58	28.44	299.544		
4,200.00	3,920.35	1,799.99	1,756.72	25.68	8.57	110.48	-7,466.47	2,019.08	8,564.95	8,535.45	29.50	290.345		
4,300.00	4,007.10	1,873.04	1,826.63	26.63	9.01	110.82	-7,486.15	2,011.20	8,612.25	8,581.68	30.56	281.797		
4,400.00	4,093.85	1,946.69	1,897.16	27.59	9.46	111.15	-7,505.90	2,003.43	8,659.78	8,628.16	31.62	273.845		
4,500.00	4,180.60	4,500.00	2,003.96	28.55	24.54	111.64	-7,535.64	1,992.70	8,707.67	8,663.94	43.73	199.106		
4,600.00	4,267.34	2,214.50	2,154.46	29.50	11.04	112.31	-7,575.66	1,977.96	8,754.78	8,720.42	34.36	254.819		
4,700.00	4,354.09	2,251.35	2,189.81	30.46	11.26	112.48	-7,585.13	1,973.71	8,802.37	8,767.16	35.21	249.981		
4,800.00	4,440.84	2,405.09	2,337.22	31.42	12.18	113.16	-7,624.07	1,954.00	8,849.79	8,813.09	36.69	241.193		
4,900.00	4,527.58	2,453.00	2,383.19	32.39	12.46	113.37	-7,636.23	1,948.14	8,897.68	8,860.08	37.60	236.653		
5,000.00	4,614.33	5,000.00	2,521.04	33.35	27.26	113.98	-7,672.11	1,932.47	8,945.90	8,896.16	49.74	179.857		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,701.08	2,661.40	2,583.75	34.31	13.69	114.25	-7,687.89	1,925.07	8,993.65	8,953.66	39.99	224.912		
5,200.00	4,787.82	2,682.69	2,604.22	35.28	13.81	114.34	-7,693.17	1,922.49	9,042.07	9,001.34	40.73	221.974		
5,300.00	4,874.57	2,714.00	2,634.25	36.25	14.00	114.48	-7,701.14	1,918.62	9,091.18	9,049.66	41.53	218.911		
5,400.00	4,961.32	2,776.22	2,693.89	37.21	14.37	114.74	-7,717.15	1,911.08	9,140.83	9,098.34	42.49	215.149		
5,500.00	5,048.07	2,983.56	2,893.37	38.18	15.59	115.59	-7,768.52	1,887.45	9,189.99	9,145.78	44.22	207.841		
5,600.00	5,134.81	3,003.44	2,912.52	39.15	15.71	115.67	-7,773.39	1,885.27	9,239.27	9,194.33	44.93	205.620		
5,700.00	5,221.56	3,029.44	2,937.56	40.12	15.86	115.78	-7,779.86	1,882.55	9,289.15	9,243.47	45.68	203.365		
5,800.00	5,308.31	3,064.00	2,970.81	41.09	16.06	115.92	-7,788.66	1,879.17	9,339.65	9,293.19	46.46	201.022		
5,900.00	5,395.05	3,110.53	3,015.56	42.06	16.34	116.10	-7,800.64	1,874.82	9,390.65	9,343.35	47.30	198.525		
6,000.00	5,481.80	3,176.88	3,079.37	43.03	16.73	116.36	-7,817.74	1,868.60	9,441.94	9,393.69	48.25	195.702		
6,100.00	5,568.55	3,238.51	3,138.56	44.00	17.10	116.60	-7,833.68	1,862.28	9,493.53	9,444.37	49.16	193.110		
6,200.00	5,655.30	3,295.90	3,193.64	44.97	17.44	116.82	-7,848.60	1,856.10	9,545.44	9,495.39	50.05	190.719		
6,300.00	5,742.04	3,352.34	3,247.78	45.94	17.78	117.04	-7,863.34	1,850.08	9,597.70	9,546.77	50.93	188.455		
6,400.00	5,828.79	3,407.90	3,301.08	46.92	18.11	117.26	-7,877.94	1,844.35	9,650.30	9,598.50	51.80	186.310		
6,500.00	5,915.54	3,638.87	3,523.29	47.89	19.47	118.13	-7,936.76	1,821.85	9,702.33	9,648.71	53.62	180.943		
6,600.00	6,002.28	3,675.00	3,558.11	48.86	19.68	118.26	-7,945.81	1,818.52	9,754.41	9,700.03	54.37	179.395		
6,700.00	6,089.03	3,716.11	3,597.70	49.83	19.92	118.41	-7,956.25	1,814.83	9,806.95	9,751.80	55.15	177.828		
6,800.00	6,175.78	3,788.90	3,667.79	50.81	20.35	118.67	-7,974.85	1,808.53	9,859.84	9,803.75	56.09	175.782		
6,900.00	6,262.53	3,874.35	3,750.19	51.78	20.84	118.97	-7,996.45	1,801.80	9,912.68	9,855.58	57.10	173.604		
7,000.00	6,349.27	6,678.82	6,511.08	52.76	32.20	127.26	-8,338.57	1,658.86	9,962.14	9,892.58	69.56	143.221		
7,100.00	6,436.02	6,759.78	6,592.04	53.73	32.38	127.45	-8,337.48	1,659.47	9,993.59	9,923.11	70.48	141.798		
8,450.00	7,552.17	7,603.00	7,435.16	61.66	34.41	34.76	-8,335.49	1,669.38	9,960.34	9,879.51	80.82	123.234		
8,500.00	7,574.41	7,611.96	7,444.12	61.48	34.44	34.75	-8,335.64	1,669.56	9,918.01	9,837.05	80.96	122.511		
8,550.00	7,593.09	7,630.96	7,463.11	61.29	34.49	35.54	-8,335.97	1,669.94	9,873.57	9,792.46	81.11	121.736		
8,600.00	7,608.07	7,646.38	7,478.52	61.07	34.53	37.36	-8,336.24	1,670.25	9,827.34	9,746.11	81.23	120.980		
8,650.00	7,619.23	7,658.09	7,490.23	60.84	34.56	40.98	-8,336.44	1,670.49	9,779.67	9,698.35	81.33	120.247		
8,700.00	7,626.48	7,666.01	7,498.15	60.60	34.59	48.54	-8,336.58	1,670.65	9,730.92	9,649.52	81.40	119.538		
8,750.00	7,629.78	7,670.07	7,502.21	60.35	34.60	67.68	-8,336.65	1,670.73	9,681.46	9,600.00	81.46	118.854		
8,766.45	7,630.00	7,670.56	7,502.70	60.27	34.60	80.23	-8,336.66	1,670.74	9,665.09	9,583.62	81.47	118.635		
8,800.00	7,630.00	7,671.13	7,503.26	60.10	34.60	80.26	-8,336.67	1,670.76	9,631.68	9,550.19	81.49	118.192		
8,900.00	7,630.00	7,672.81	7,504.94	59.61	34.61	80.37	-8,336.70	1,670.79	9,532.10	9,450.54	81.56	116.872		
9,000.00	7,630.00	7,674.49	7,506.63	59.15	34.61	80.48	-8,336.73	1,670.82	9,432.53	9,350.90	81.63	115.551		
9,100.00	7,630.00	7,676.18	7,508.31	58.71	34.61	80.59	-8,336.76	1,670.86	9,332.97	9,251.27	81.70	114.229		
9,200.00	7,630.00	7,677.86	7,510.00	58.30	34.62	80.70	-8,336.78	1,670.89	9,233.42	9,151.64	81.78	112.906		
9,300.00	7,630.00	7,679.55	7,511.69	57.91	34.62	80.80	-8,336.81	1,670.93	9,133.88	9,052.02	81.86	111.582		
9,400.00	7,630.00	7,681.24	7,513.38	57.54	34.63	80.91	-8,336.84	1,670.96	9,034.35	8,952.41	81.94	110.257		
9,500.00	7,630.00	7,682.93	7,515.07	57.19	34.63	81.02	-8,336.87	1,671.00	8,934.82	8,852.80	82.02	108.932		
9,600.00	7,630.00	7,684.63	7,516.76	56.87	34.64	81.13	-8,336.90	1,671.03	8,835.31	8,753.20	82.11	107.605		
9,700.00	7,630.00	7,686.32	7,518.45	56.57	34.64	81.24	-8,336.93	1,671.07	8,735.81	8,653.62	82.20	106.278		
9,800.00	7,630.00	7,688.01	7,520.14	56.30	34.65	81.35	-8,336.96	1,671.10	8,636.32	8,554.03	82.29	104.950		
9,900.00	7,630.00	7,689.71	7,521.84	56.05	34.65	81.46	-8,336.99	1,671.14	8,536.85	8,454.46	82.38	103.622		
10,000.00	7,630.00	7,691.41	7,523.54	55.82	34.66	81.57	-8,337.02	1,671.17	8,437.38	8,354.90	82.48	102.293		
10,100.00	7,630.00	7,693.11	7,525.24	55.63	34.66	81.68	-8,337.05	1,671.21	8,337.93	8,255.34	82.58	100.963		
10,200.00	7,630.00	7,694.81	7,526.94	55.46	34.67	81.79	-8,337.08	1,671.24	8,238.49	8,155.80	82.69	99.632		
10,300.00	7,630.00	7,696.51	7,528.64	55.32	34.67	81.90	-8,337.11	1,671.28	8,139.06	8,056.26	82.80	98.301		
10,400.00	7,630.00	7,698.21	7,530.34	55.22	34.67	82.01	-8,337.14	1,671.31	8,039.65	7,956.74	82.91	96.970		
10,500.00	7,630.00	7,699.92	7,532.04	55.15	34.68	82.12	-8,337.17	1,671.35	7,940.25	7,857.22	83.02	95.638		
10,600.00	7,630.00	7,701.63	7,533.75	55.14	34.68	82.23	-8,337.20	1,671.38	7,840.86	7,757.72	83.14	94.305		
10,700.00	7,630.00	7,703.33	7,535.46	55.18	34.69	82.34	-8,337.23	1,671.42	7,741.49	7,658.23	83.27	92.972		
10,800.00	7,630.00	7,705.04	7,537.17	55.28	34.69	82.45	-8,337.26	1,671.45	7,642.14	7,558.75	83.39	91.639		
10,900.00	7,630.00	7,706.75	7,538.87	55.47	34.70	82.56	-8,337.29	1,671.49	7,542.81	7,459.28	83.53	90.305		
11,000.00	7,630.00	7,708.46	7,540.59	55.74	34.70	82.67	-8,337.32	1,671.52	7,443.49	7,359.83	83.66	88.971		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
11,100.00	7,630.00	7,710.18	7,542.30	56.11	34.71	82.78	-8,337.35	1,671.56	7,344.19	7,260.38	83.80	87.636		
11,200.00	7,630.00	7,711.89	7,544.01	56.60	34.71	82.89	-8,337.38	1,671.60	7,244.91	7,160.96	83.95	86.302		
11,300.00	7,630.00	7,713.61	7,545.73	57.20	34.72	83.00	-8,337.41	1,671.63	7,145.64	7,061.54	84.10	84.967		
11,400.00	7,630.00	7,715.32	7,547.44	57.91	34.72	83.12	-8,337.44	1,671.67	7,046.40	6,962.15	84.26	83.631		
11,500.00	7,630.00	7,717.04	7,549.16	58.72	34.73	83.23	-8,337.47	1,671.70	6,947.18	6,862.77	84.42	82.296		
11,600.00	7,630.00	7,718.76	7,550.88	59.63	34.73	83.34	-8,337.50	1,671.74	6,847.98	6,763.40	84.58	80.961		
11,700.00	7,630.00	7,720.48	7,552.60	60.61	34.74	83.45	-8,337.53	1,671.78	6,748.81	6,664.05	84.76	79.625		
11,800.00	7,630.00	7,722.21	7,554.32	61.67	34.74	83.56	-8,337.56	1,671.81	6,649.66	6,564.72	84.94	78.290		
11,900.00	7,630.00	7,723.93	7,556.05	62.78	34.75	83.68	-8,337.59	1,671.85	6,550.53	6,465.41	85.12	76.955		
12,000.00	7,630.00	7,725.66	7,557.77	63.95	34.75	83.79	-8,337.62	1,671.88	6,451.44	6,366.12	85.31	75.619		
12,100.00	7,630.00	7,727.38	7,559.50	65.16	34.76	83.90	-8,337.65	1,671.92	6,352.37	6,266.85	85.51	74.284		
12,200.00	7,630.00	7,729.11	7,561.23	66.41	34.76	84.01	-8,337.68	1,671.96	6,253.32	6,167.60	85.72	72.949		
12,300.00	7,630.00	7,730.84	7,562.96	67.68	34.76	84.13	-8,337.72	1,671.99	6,154.31	6,068.38	85.94	71.614		
12,400.00	7,630.00	7,732.57	7,564.69	68.99	34.77	84.24	-8,337.75	1,672.03	6,055.33	5,969.17	86.16	70.280		
12,500.00	7,630.00	7,734.31	7,566.42	70.33	34.77	84.35	-8,337.78	1,672.07	5,956.39	5,870.00	86.39	68.946		
12,600.00	7,630.00	7,736.04	7,568.15	71.68	34.78	84.47	-8,337.81	1,672.10	5,857.48	5,770.84	86.63	67.612		
12,700.00	7,630.00	7,737.78	7,569.89	73.06	34.78	84.58	-8,337.84	1,672.14	5,758.61	5,671.72	86.88	66.279		
12,800.00	7,630.00	7,739.51	7,571.62	74.45	34.79	84.69	-8,337.87	1,672.17	5,659.77	5,572.63	87.15	64.946		
12,900.00	7,630.00	7,741.25	7,573.36	75.87	34.79	84.81	-8,337.90	1,672.21	5,560.98	5,473.56	87.42	63.614		
13,000.00	7,630.00	7,742.99	7,575.10	77.29	34.80	84.92	-8,337.93	1,672.25	5,462.23	5,374.53	87.70	62.283		
13,100.00	7,630.00	7,744.73	7,576.84	78.74	34.80	85.04	-8,337.96	1,672.29	5,363.53	5,275.53	87.99	60.953		
13,200.00	7,630.00	7,746.48	7,578.58	80.19	34.81	85.15	-8,337.99	1,672.32	5,264.87	5,176.57	88.30	59.623		
13,300.00	7,630.00	7,748.22	7,580.33	81.66	34.81	85.26	-8,338.02	1,672.36	5,166.27	5,077.64	88.62	58.294		
13,400.00	7,630.00	7,749.97	7,582.07	83.14	34.82	85.38	-8,338.05	1,672.40	5,067.72	4,978.76	88.96	56.967		
13,500.00	7,630.00	7,751.71	7,583.82	84.63	34.82	85.49	-8,338.09	1,672.43	4,969.22	4,879.91	89.31	55.640		
13,600.00	7,630.00	7,753.46	7,585.57	86.14	34.83	85.61	-8,338.12	1,672.47	4,870.79	4,781.11	89.68	54.315		
13,700.00	7,630.00	7,755.21	7,587.32	87.65	34.83	85.72	-8,338.15	1,672.51	4,772.42	4,682.36	90.06	52.991		
13,800.00	7,630.00	7,756.96	7,589.07	89.17	34.84	85.84	-8,338.18	1,672.54	4,674.12	4,583.66	90.46	51.669		
13,900.00	7,630.00	7,758.72	7,590.82	90.70	34.84	85.95	-8,338.21	1,672.58	4,575.90	4,485.01	90.88	50.349		
14,000.00	7,630.00	7,760.47	7,592.57	92.24	34.85	86.07	-8,338.24	1,672.62	4,477.75	4,386.42	91.33	49.030		
14,100.00	7,630.00	7,762.23	7,594.33	93.78	34.85	86.19	-8,338.27	1,672.66	4,379.69	4,287.89	91.79	47.713		
14,200.00	7,630.00	7,763.98	7,596.08	95.33	34.86	86.30	-8,338.30	1,672.69	4,281.71	4,189.43	92.28	46.399		
14,300.00	7,630.00	7,765.74	7,597.84	96.89	34.86	86.42	-8,338.33	1,672.73	4,183.83	4,091.03	92.79	45.087		
14,400.00	7,630.00	7,767.50	7,599.60	98.46	34.87	86.53	-8,338.37	1,672.77	4,086.05	3,992.71	93.34	43.777		
14,500.00	7,630.00	7,769.26	7,601.36	100.03	34.87	86.65	-8,338.40	1,672.81	3,988.38	3,894.47	93.91	42.471		
14,600.00	7,630.00	7,771.03	7,603.12	101.61	34.87	86.77	-8,338.43	1,672.84	3,890.83	3,796.31	94.51	41.167		
14,700.00	7,630.00	7,772.79	7,604.89	103.20	34.88	86.88	-8,338.46	1,672.88	3,793.40	3,698.25	95.15	39.867		
14,800.00	7,630.00	7,774.56	7,606.65	104.78	34.88	87.00	-8,338.49	1,672.92	3,696.11	3,600.29	95.83	38.571		
14,900.00	7,630.00	7,776.32	7,608.42	106.38	34.89	87.11	-8,338.52	1,672.96	3,598.97	3,502.43	96.54	37.279		
15,000.00	7,630.00	7,778.14	7,610.24	107.98	34.89	87.23	-8,338.56	1,673.00	3,501.99	3,404.69	97.30	35.991		
15,100.00	7,630.00	7,780.87	7,612.96	109.58	34.90	87.41	-8,338.60	1,673.05	3,405.18	3,307.07	98.12	34.706		
15,200.00	7,630.00	7,783.49	7,615.59	111.19	34.91	87.59	-8,338.65	1,673.11	3,308.56	3,209.58	98.98	33.426		
15,300.00	7,630.00	7,786.03	7,618.12	112.81	34.92	87.76	-8,338.69	1,673.16	3,212.15	3,112.25	99.90	32.153		
15,400.00	7,630.00	7,788.48	7,620.57	114.42	34.92	87.92	-8,338.73	1,673.22	3,115.96	3,015.07	100.89	30.886		
15,500.00	7,630.00	7,790.85	7,622.94	116.05	34.93	88.07	-8,338.77	1,673.27	3,020.02	2,918.08	101.94	29.627		
15,600.00	7,630.00	7,793.14	7,625.23	117.67	34.93	88.23	-8,338.81	1,673.31	2,924.34	2,821.28	103.06	28.375		
15,700.00	7,630.00	7,795.35	7,627.44	119.30	34.94	88.37	-8,338.85	1,673.36	2,828.97	2,724.71	104.26	27.133		
15,800.00	7,630.00	7,797.50	7,629.59	120.93	34.95	88.51	-8,338.88	1,673.40	2,733.93	2,628.37	105.56	25.900		
15,900.00	7,630.00	7,799.57	7,631.66	122.57	34.95	88.65	-8,338.91	1,673.45	2,639.25	2,532.30	106.95	24.678		
16,000.00	7,630.00	7,801.59	7,633.68	124.21	34.96	88.79	-8,338.94	1,673.49	2,544.97	2,436.52	108.45	23.467		
16,100.00	7,630.00	7,803.54	7,635.63	125.85	34.96	88.91	-8,338.97	1,673.53	2,451.15	2,341.08	110.07	22.269		
16,200.00	7,630.00	7,805.44	7,637.52	127.50	34.97	89.04	-8,339.00	1,673.57	2,357.84	2,246.01	111.82	21.085		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	
16,300.00	7,630.00	7,807.27	7,639.36	129.15	34.97	89.16	-8,339.03	1,673.60	2,265.09	2,151.37	113.72	19.917	
16,400.00	7,630.00	7,809.06	7,641.14	130.80	34.98	89.28	-8,339.05	1,673.64	2,172.99	2,057.20	115.79	18.767	
16,500.00	7,630.00	7,810.79	7,642.88	132.46	34.98	89.39	-8,339.08	1,673.67	2,081.61	1,963.57	118.04	17.635	
16,600.00	7,630.00	7,812.48	7,644.56	134.11	34.99	89.51	-8,339.10	1,673.71	1,991.06	1,870.58	120.49	16.525	
16,700.00	7,630.00	7,814.11	7,646.20	135.77	34.99	89.62	-8,339.12	1,673.74	1,901.46	1,778.30	123.17	15.438	
16,800.00	7,630.00	7,815.71	7,647.79	137.43	34.99	89.72	-8,339.14	1,673.77	1,812.95	1,686.86	126.09	14.378	
16,900.00	7,630.00	7,817.26	7,649.34	139.10	35.00	89.82	-8,339.16	1,673.80	1,725.69	1,596.39	129.30	13.347	
17,000.00	7,630.00	7,818.77	7,650.85	140.77	35.00	89.92	-8,339.18	1,673.83	1,639.88	1,507.07	132.81	12.348	
17,100.00	7,630.00	7,820.23	7,652.32	142.44	35.01	90.02	-8,339.20	1,673.86	1,555.77	1,419.11	136.66	11.384	
17,200.00	7,630.00	7,821.66	7,653.75	144.11	35.01	90.12	-8,339.22	1,673.89	1,473.65	1,332.78	140.87	10.461	
17,300.00	7,630.00	7,823.06	7,655.14	145.78	35.01	90.21	-8,339.24	1,673.92	1,393.86	1,248.39	145.46	9.582	
17,400.00	7,630.00	7,824.42	7,656.50	147.46	35.02	90.30	-8,339.26	1,673.94	1,316.83	1,166.37	150.46	8.752	
17,500.00	7,630.00	7,825.74	7,657.82	149.13	35.02	90.39	-8,339.27	1,673.97	1,243.07	1,087.23	155.85	7.976	
17,600.00	7,630.00	7,827.03	7,659.11	150.81	35.02	90.47	-8,339.29	1,673.99	1,173.21	1,011.62	161.59	7.260	
17,700.00	7,630.00	7,828.29	7,660.37	152.49	35.03	90.56	-8,339.30	1,674.02	1,107.98	940.35	167.62	6.610	
17,800.00	7,630.00	7,829.52	7,661.60	154.18	35.03	90.64	-8,339.32	1,674.04	1,048.23	874.44	173.80	6.031	
17,900.00	7,630.00	7,830.72	7,662.80	155.86	35.03	90.72	-8,339.33	1,674.06	994.98	815.09	179.89	5.531	
18,000.00	7,630.00	7,831.89	7,663.97	157.55	35.04	90.79	-8,339.35	1,674.09	949.29	763.73	185.57	5.116	
18,100.00	7,630.00	7,833.03	7,665.11	159.24	35.04	90.87	-8,339.36	1,674.11	912.33	721.89	190.44	4.791	
18,200.00	7,630.00	7,834.15	7,666.23	160.92	35.04	90.94	-8,339.37	1,674.13	885.16	691.14	194.02	4.562	
18,300.00	7,630.00	7,835.25	7,667.32	162.62	35.05	91.02	-8,339.38	1,674.15	868.73	672.83	195.90	4.435	
18,394.15	7,630.00	7,836.25	7,668.33	164.21	35.05	91.08	-8,339.40	1,674.17	863.61	667.78	195.83	4.410 CC, ES, SF	
18,400.00	7,630.00	7,836.31	7,668.39	164.31	35.05	91.09	-8,339.40	1,674.17	863.63	667.86	195.77	4.412	
18,458.39	7,630.00	7,836.93	7,669.00	165.30	35.05	91.13	-8,339.40	1,674.18	866.00	671.28	194.71	4.448	



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	20.21	20.21	0.00	0.03	163.09	-7,111.18	2,161.69	7,432.48					
100.00	100.00	112.09	112.08	0.13	0.18	163.09	-7,111.16	2,162.01	7,432.56	7,432.24	0.32	N/A		
200.00	200.00	183.64	183.63	0.49	0.40	163.08	-7,111.00	2,163.21	7,432.85	7,431.96	0.89	8,357.081		
300.00	300.00	226.00	225.93	0.85	0.56	163.06	-7,110.68	2,165.24	7,433.65	7,432.25	1.40	5,304.243		
400.00	400.00	263.51	263.36	1.21	0.70	163.04	-7,110.45	2,167.86	7,435.28	7,433.38	1.90	3,910.532		
500.00	500.00	318.00	317.60	1.57	0.91	163.01	-7,110.65	2,172.96	7,438.07	7,435.61	2.46	3,018.261		
600.00	600.00	318.00	317.60	1.93	0.91	163.01	-7,110.65	2,172.96	7,441.49	7,438.67	2.82	2,635.561		
700.00	700.00	387.46	386.62	2.29	1.17	162.95	-7,111.37	2,180.71	7,445.77	7,442.32	3.45	2,156.767		
800.00	800.00	932.99	920.50	2.64	3.75	162.12	-7,085.74	2,285.24	7,445.79	7,439.41	6.38	1,166.878		
900.00	900.00	982.39	968.03	3.00	4.03	162.02	-7,081.14	2,297.89	7,444.79	7,437.77	7.02	1,060.540		
988.88	988.88	1,027.00	1,010.88	3.32	4.28	161.93	-7,077.20	2,309.65	7,444.55	7,436.95	7.59	980.430		
1,000.00	1,000.00	1,027.00	1,010.88	3.36	4.28	161.93	-7,077.20	2,309.65	7,444.55	7,436.92	7.63	975.302		
1,100.00	1,100.00	1,104.19	1,085.08	3.72	4.73	161.76	-7,070.79	2,329.95	7,444.87	7,436.44	8.44	882.455		
1,200.00	1,199.98	1,198.58	1,176.08	4.07	5.27	110.49	-7,063.42	2,353.88	7,446.07	7,436.74	9.33	798.138		
1,300.00	1,299.84	1,259.01	1,234.27	4.43	5.62	110.34	-7,058.74	2,369.49	7,448.77	7,438.73	10.04	742.011		
1,400.00	1,399.45	1,360.88	1,331.65	4.79	6.24	110.09	-7,050.49	2,398.24	7,453.17	7,442.16	11.01	676.858		
1,500.00	1,498.70	1,454.62	1,421.55	5.15	6.80	109.86	-7,042.98	2,423.72	7,458.57	7,446.63	11.94	624.603		
1,600.00	1,597.47	1,508.82	1,473.56	5.53	7.13	109.67	-7,038.86	2,438.38	7,465.54	7,452.90	12.64	590.488		
1,700.00	1,695.62	1,557.42	1,520.19	5.93	7.42	109.47	-7,035.48	2,451.65	7,474.37	7,461.05	13.33	560.876		
1,800.00	1,793.06	1,695.77	1,652.78	6.35	8.26	109.20	-7,025.73	2,489.94	7,484.39	7,469.81	14.58	513.255		
1,900.00	1,889.64	1,811.06	1,763.06	6.79	8.98	108.95	-7,017.02	2,522.38	7,495.23	7,479.50	15.73	476.440		
2,000.00	1,985.27	1,945.28	1,891.83	7.27	9.79	108.72	-7,006.74	2,558.84	7,506.77	7,489.75	17.02	441.160		
2,100.00	2,079.82	2,060.85	2,002.82	7.79	10.49	108.51	-6,997.82	2,589.77	7,519.27	7,501.05	18.22	412.760		
2,200.00	2,173.17	2,153.83	2,092.18	8.36	11.05	108.30	-6,990.53	2,614.46	7,532.68	7,513.36	19.32	389.891		
2,300.00	2,265.21	2,208.78	2,144.98	8.97	11.38	108.06	-6,986.39	2,629.09	7,547.51	7,527.27	20.24	372.939		
2,400.00	2,355.84	2,269.13	2,202.88	9.64	11.75	107.80	-6,982.16	2,645.54	7,564.06	7,542.82	21.24	356.150		
2,500.00	2,444.94	2,430.00	2,356.71	10.36	12.75	107.65	-6,969.40	2,690.84	7,580.97	7,558.03	22.93	330.570		
2,591.69	2,525.19	2,475.17	2,400.06	11.07	13.03	107.39	-6,965.91	2,703.07	7,597.60	7,573.71	23.88	318.117		
2,600.00	2,532.40	2,477.83	2,402.60	11.14	13.04	107.40	-6,965.72	2,703.80	7,599.18	7,575.22	23.96	317.132		
2,700.00	2,619.15	2,517.00	2,440.09	11.96	13.29	107.46	-6,963.03	2,714.85	7,618.76	7,593.79	24.97	305.113		
2,800.00	2,705.89	2,553.05	2,474.56	12.81	13.51	107.51	-6,960.01	2,725.15	7,639.11	7,613.13	25.98	294.068		
2,900.00	2,792.64	2,604.00	2,523.36	13.67	13.83	107.59	-6,958.04	2,739.56	7,660.15	7,633.06	27.09	282.735		
3,000.00	2,879.39	2,689.08	2,604.64	14.55	14.36	107.72	-6,953.52	2,764.29	7,681.61	7,653.17	28.45	270.025		
3,100.00	2,966.14	2,831.42	2,740.82	15.44	15.26	107.93	-6,945.81	2,804.96	7,702.90	7,672.72	30.18	255.228		
3,200.00	3,052.88	2,909.45	2,815.50	16.34	15.74	108.05	-6,941.31	2,827.13	7,723.89	7,692.39	31.50	245.186		
3,300.00	3,139.63	2,990.95	2,893.47	17.25	16.25	108.17	-6,937.01	2,850.46	7,745.37	7,712.52	32.86	235.735		
3,400.00	3,226.38	3,187.21	3,081.03	18.17	17.49	108.46	-6,924.30	2,906.82	7,765.47	7,730.49	34.98	222.001		
3,500.00	3,313.12	3,308.01	3,196.53	19.09	18.25	108.64	-6,916.26	2,941.28	7,785.84	7,749.23	36.61	212.680		
3,600.00	3,399.87	3,518.21	3,400.32	20.02	19.41	109.02	-6,903.51	2,990.99	7,805.57	7,766.90	38.66	201.880		
3,700.00	3,486.62	3,633.94	3,513.74	20.96	19.98	109.26	-6,896.82	3,012.99	7,824.12	7,784.02	40.10	195.101		
3,800.00	3,573.37	3,724.58	3,603.10	21.90	20.38	109.48	-6,892.32	3,027.52	7,842.70	7,801.33	41.38	189.551		
3,900.00	3,660.11	3,850.37	3,727.66	22.84	20.89	109.79	-6,886.96	3,044.15	7,861.31	7,818.55	42.76	183.853		
4,000.00	3,746.86	3,966.23	3,842.80	23.78	21.32	110.11	-6,882.37	3,056.18	7,879.55	7,835.50	44.06	178.852		
4,100.00	3,833.61	4,064.45	3,940.61	24.73	21.65	110.39	-6,878.99	3,064.42	7,897.94	7,852.68	45.26	174.499		
4,200.00	3,920.35	4,148.37	4,024.28	25.68	21.92	110.63	-6,876.34	3,070.38	7,916.44	7,870.04	46.40	170.619		
4,300.00	4,007.10	4,253.03	4,128.70	26.63	22.25	110.95	-6,873.38	3,076.71	7,935.17	7,887.58	47.59	166.730		
4,400.00	4,093.85	4,353.27	4,228.76	27.59	22.56	111.25	-6,870.54	3,081.96	7,953.90	7,905.14	48.76	163.116		
4,500.00	4,180.60	4,473.08	4,348.38	28.55	22.92	111.61	-6,866.96	3,087.75	7,972.60	7,922.61	49.99	159.490		
4,600.00	4,267.34	4,586.81	4,461.94	29.50	23.26	111.96	-6,863.29	3,092.77	7,991.21	7,940.02	51.19	156.107		
4,700.00	4,354.09	4,682.35	4,557.36	30.46	23.54	112.25	-6,860.12	3,096.51	8,009.84	7,957.51	52.33	153.066		
4,800.00	4,440.84	4,772.47	4,647.37	31.42	23.81	112.53	-6,857.20	3,099.67	8,028.67	7,975.22	53.45	150.217		
4,900.00	4,527.58	4,954.49	4,829.18	32.39	24.34	113.09	-6,850.48	3,105.32	8,047.27	7,992.43	54.84	146.747		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,614.33	5,051.79	4,926.36	33.35	24.62	113.39	-6,846.30	3,107.89	8,065.42	8,009.46	55.97	144.115		
5,100.00	4,701.08	5,145.11	5,019.58	34.31	24.89	113.68	-6,842.37	3,109.78	8,083.75	8,026.67	57.08	141.628		
5,200.00	4,787.82	5,180.40	5,054.83	35.28	24.98	113.79	-6,841.05	3,110.39	8,102.59	8,044.58	58.01	139.673		
5,300.00	4,874.57	5,220.64	5,095.05	36.25	25.10	113.91	-6,839.77	3,111.06	8,122.18	8,063.22	58.95	137.772		
5,400.00	4,961.32	5,260.70	5,135.09	37.21	25.21	114.04	-6,838.74	3,111.70	8,142.51	8,082.62	59.89	135.958		
5,500.00	5,048.07	5,310.00	5,184.37	38.18	25.35	114.19	-6,837.82	3,112.45	8,163.60	8,102.75	60.85	134.164		
5,600.00	5,134.81	5,310.00	5,184.37	39.15	25.35	114.19	-6,837.82	3,112.45	8,185.53	8,123.88	61.65	132.778		
5,700.00	5,221.56	5,382.40	5,256.76	40.12	25.54	114.42	-6,837.11	3,113.54	8,207.94	8,145.27	62.66	130.990		
5,800.00	5,308.31	5,423.26	5,297.62	41.09	25.66	114.55	-6,837.04	3,114.19	8,231.19	8,167.62	63.57	129.479		
5,900.00	5,395.05	5,485.00	5,359.35	42.06	25.82	114.74	-6,837.36	3,115.20	8,255.21	8,190.67	64.54	127.905		
6,000.00	5,481.80	5,527.22	5,401.56	43.03	25.94	114.88	-6,837.77	3,115.86	8,279.78	8,214.34	65.44	126.522		
6,100.00	5,568.55	6,100.00	5,611.18	44.00	27.46	115.54	-6,838.85	3,117.97	8,304.45	8,236.62	67.82	122.443		
6,200.00	5,655.30	5,930.74	5,805.03	44.97	27.02	116.14	-6,836.79	3,119.17	8,327.64	8,259.43	68.21	122.080		
6,300.00	5,742.04	6,005.90	5,880.18	45.94	27.23	116.37	-6,835.61	3,119.56	8,350.65	8,281.43	69.22	120.643		
6,400.00	5,828.79	6,095.97	5,970.25	46.92	27.48	116.65	-6,834.26	3,119.97	8,373.92	8,303.66	70.26	119.177		
6,500.00	5,915.54	6,187.40	6,061.66	47.89	27.73	116.93	-6,832.86	3,120.30	8,397.38	8,326.07	71.31	117.756		
6,600.00	6,002.28	6,296.92	6,171.17	48.86	28.04	117.27	-6,831.04	3,120.55	8,420.92	8,348.51	72.41	116.294		
6,700.00	6,089.03	6,403.97	6,278.20	49.83	28.34	117.60	-6,829.00	3,120.63	8,444.45	8,370.95	73.50	114.891		
6,800.00	6,175.78	6,508.02	6,382.22	50.81	28.63	117.92	-6,826.80	3,120.72	8,468.01	8,393.43	74.58	113.548		
6,900.00	6,262.53	6,616.24	6,490.42	51.78	28.95	118.24	-6,824.26	3,120.94	8,491.59	8,415.93	75.67	112.222		
7,000.00	6,349.27	6,726.16	6,600.30	52.76	29.26	118.57	-6,821.36	3,121.44	8,515.16	8,438.40	76.76	110.927		
7,100.00	6,436.02	6,795.47	6,669.58	53.73	29.47	118.78	-6,819.55	3,121.80	8,538.95	8,461.22	77.73	109.852		
7,200.00	6,522.77	6,870.73	6,744.81	54.71	29.69	119.00	-6,817.67	3,122.18	8,563.06	8,484.35	78.71	108.789		
7,300.00	6,609.51	6,938.51	6,812.58	55.68	29.89	119.20	-6,816.11	3,122.50	8,587.54	8,507.87	79.67	107.794		
7,400.00	6,696.26	7,004.83	6,878.89	56.66	30.08	119.39	-6,814.75	3,122.76	8,612.43	8,531.82	80.61	106.841		
7,500.00	6,783.01	7,073.00	6,947.04	57.63	30.28	119.60	-6,813.53	3,122.98	8,637.73	8,556.17	81.56	105.912		
7,600.00	6,869.76	7,147.94	7,021.97	58.61	30.51	119.81	-6,812.31	3,123.29	8,663.38	8,580.86	82.52	104.984		
7,683.49	6,942.18	7,210.54	7,084.56	59.42	30.69	120.00	-6,811.37	3,123.64	8,685.05	8,601.72	83.32	104.231		
7,700.00	6,956.57	7,222.97	7,096.99	59.58	30.73	117.64	-6,811.19	3,123.72	8,689.13	8,605.64	83.48	104.082		
7,750.00	7,000.85	7,261.75	7,135.77	60.04	30.85	109.46	-6,810.65	3,123.98	8,698.72	8,614.75	83.97	103.597		
7,800.00	7,045.94	7,301.31	7,175.32	60.46	30.96	99.79	-6,810.12	3,124.23	8,704.09	8,619.64	84.45	103.070		
7,850.00	7,091.49	7,341.21	7,215.21	60.84	31.08	89.02	-6,809.62	3,124.46	8,705.20	8,620.28	84.92	102.511		
7,900.00	7,137.15	7,381.14	7,255.14	61.17	31.20	77.91	-6,809.14	3,124.68	8,702.05	8,616.67	85.38	101.926		
7,950.00	7,182.58	7,424.92	7,298.93	61.44	31.34	67.37	-6,808.65	3,124.91	8,694.64	8,608.82	85.83	101.305		
8,000.00	7,227.43	7,474.92	7,348.92	61.67	31.49	58.06	-6,808.06	3,125.20	8,682.99	8,596.72	86.28	100.642		
8,050.00	7,271.36	7,523.84	7,397.84	61.84	31.64	50.20	-6,807.46	3,125.53	8,667.18	8,580.48	86.70	99.970		
8,100.00	7,314.04	7,571.32	7,445.31	61.96	31.78	43.75	-6,806.84	3,125.89	8,647.32	8,560.23	87.09	99.293		
8,150.00	7,355.14	7,610.11	7,484.09	62.04	31.90	38.47	-6,806.33	3,126.20	8,623.56	8,536.14	87.43	98.638		
8,200.00	7,394.34	7,645.53	7,519.51	62.07	32.01	34.15	-6,805.87	3,126.49	8,596.12	8,508.40	87.73	97.987		
8,250.00	7,431.36	7,678.93	7,552.90	62.06	32.11	30.57	-6,805.46	3,126.76	8,565.20	8,477.20	88.00	97.336		
8,300.00	7,465.90	7,710.06	7,584.03	62.01	32.20	27.55	-6,805.08	3,127.02	8,531.01	8,442.78	88.23	96.686		
8,350.00	7,497.71	7,738.69	7,612.66	61.93	32.29	24.92	-6,804.74	3,127.25	8,493.82	8,405.38	88.44	96.041		
8,400.00	7,526.53	7,764.95	7,638.91	61.81	32.37	22.54	-6,804.44	3,127.46	8,453.89	8,365.27	88.62	95.399		
8,450.00	7,552.17	7,788.78	7,662.74	61.66	32.45	20.26	-6,804.18	3,127.67	8,411.52	8,322.75	88.76	94.762		
8,500.00	7,574.41	7,809.39	7,683.36	61.48	32.51	17.86	-6,803.95	3,127.85	8,367.02	8,278.14	88.88	94.136		
8,550.00	7,593.09	7,826.63	7,700.59	61.29	32.56	15.01	-6,803.76	3,128.02	8,320.74	8,231.77	88.97	93.523		
8,600.00	7,608.07	7,840.35	7,714.31	61.07	32.61	11.00	-6,803.61	3,128.15	8,273.01	8,183.98	89.03	92.924		
8,650.00	7,619.23	7,850.44	7,724.40	60.84	32.64	3.85	-6,803.50	3,128.25	8,224.20	8,135.14	89.06	92.341		
8,700.00	7,626.48	7,856.83	7,730.78	60.60	32.66	-14.40	-6,803.43	3,128.32	8,174.68	8,085.60	89.07	91.777		
8,750.00	7,629.78	7,859.45	7,733.41	60.35	32.67	-75.06	-6,803.40	3,128.34	8,124.82	8,035.76	89.06	91.233		
8,766.45	7,630.00	7,859.49	7,733.44	60.27	32.67	-97.92	-6,803.40	3,128.34	8,108.41	8,019.36	89.05	91.059		
8,800.00	7,630.00	7,859.14	7,733.10	60.10	32.66	-97.89	-6,803.40	3,128.34	8,074.94	7,985.92	89.02	90.706		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
8,900.00	7,630.00	7,858.12	7,732.08	59.61	32.66	-97.79	-6,803.41	3,128.33	7,975.21	7,886.26	88.95	89.655		
9,000.00	7,630.00	7,857.10	7,731.05	59.15	32.66	-97.69	-6,803.42	3,128.32	7,875.49	7,786.61	88.88	88.604		
9,100.00	7,630.00	7,856.07	7,730.03	58.71	32.65	-97.59	-6,803.44	3,128.31	7,775.78	7,686.96	88.81	87.551		
9,200.00	7,630.00	7,855.04	7,729.00	58.30	32.65	-97.49	-6,803.45	3,128.30	7,676.07	7,587.33	88.74	86.499		
9,300.00	7,630.00	7,854.02	7,727.97	57.91	32.65	-97.39	-6,803.46	3,128.29	7,576.37	7,487.70	88.67	85.445		
9,400.00	7,630.00	7,852.99	7,726.94	57.54	32.65	-97.29	-6,803.47	3,128.28	7,476.68	7,388.08	88.60	84.391		
9,500.00	7,630.00	7,851.96	7,725.91	57.19	32.64	-97.20	-6,803.48	3,128.27	7,376.99	7,288.47	88.52	83.337		
9,600.00	7,630.00	7,850.92	7,724.88	56.87	32.64	-97.10	-6,803.49	3,128.26	7,277.32	7,188.88	88.44	82.282		
9,700.00	7,630.00	7,849.89	7,723.85	56.57	32.64	-97.00	-6,803.50	3,128.25	7,177.65	7,089.29	88.37	81.227		
9,800.00	7,630.00	7,848.86	7,722.82	56.30	32.63	-96.90	-6,803.51	3,128.23	7,078.00	6,989.71	88.29	80.171		
9,900.00	7,630.00	7,847.82	7,721.78	56.05	32.63	-96.80	-6,803.53	3,128.22	6,978.35	6,890.14	88.21	79.114		
10,000.00	7,630.00	7,846.79	7,720.75	55.82	32.63	-96.70	-6,803.54	3,128.21	6,878.71	6,790.59	88.12	78.057		
10,100.00	7,630.00	7,845.75	7,719.71	55.63	32.62	-96.60	-6,803.55	3,128.20	6,779.08	6,691.04	88.04	77.000		
10,200.00	7,630.00	7,844.71	7,718.67	55.46	32.62	-96.50	-6,803.56	3,128.19	6,679.47	6,591.51	87.95	75.942		
10,300.00	7,630.00	7,843.67	7,717.63	55.32	32.62	-96.40	-6,803.57	3,128.18	6,579.86	6,492.00	87.87	74.884		
10,400.00	7,630.00	7,842.63	7,716.59	55.22	32.61	-96.30	-6,803.58	3,128.17	6,480.27	6,392.49	87.78	73.825		
10,500.00	7,630.00	7,841.59	7,715.55	55.15	32.61	-96.20	-6,803.59	3,128.16	6,380.69	6,293.00	87.69	72.766		
10,600.00	7,630.00	7,840.55	7,714.51	55.14	32.61	-96.10	-6,803.60	3,128.15	6,281.13	6,193.53	87.59	71.707		
10,700.00	7,630.00	7,839.51	7,713.47	55.18	32.60	-95.99	-6,803.62	3,128.14	6,181.57	6,094.07	87.50	70.647		
10,800.00	7,630.00	7,838.46	7,712.42	55.28	32.60	-95.89	-6,803.63	3,128.13	6,082.03	5,994.63	87.40	69.587		
10,900.00	7,630.00	7,837.42	7,711.38	55.47	32.60	-95.79	-6,803.64	3,128.12	5,982.51	5,895.21	87.30	68.526		
11,000.00	7,630.00	7,836.37	7,710.33	55.74	32.59	-95.69	-6,803.65	3,128.11	5,883.00	5,795.80	87.20	67.465		
11,100.00	7,630.00	7,835.32	7,709.28	56.11	32.59	-95.59	-6,803.66	3,128.10	5,783.51	5,696.42	87.10	66.403		
11,200.00	7,630.00	7,834.27	7,708.23	56.60	32.59	-95.49	-6,803.67	3,128.09	5,684.04	5,597.05	86.99	65.342		
11,300.00	7,630.00	7,833.22	7,707.18	57.20	32.58	-95.39	-6,803.68	3,128.08	5,584.59	5,497.71	86.88	64.279		
11,400.00	7,630.00	7,832.17	7,706.13	57.91	32.58	-95.28	-6,803.70	3,128.07	5,485.15	5,398.39	86.77	63.217		
11,500.00	7,630.00	7,831.12	7,705.08	58.72	32.58	-95.18	-6,803.71	3,128.06	5,385.74	5,299.09	86.65	62.154		
11,600.00	7,630.00	7,830.07	7,704.03	59.63	32.57	-95.08	-6,803.72	3,128.05	5,286.35	5,199.81	86.53	61.091		
11,700.00	7,630.00	7,829.01	7,702.97	60.61	32.57	-94.98	-6,803.73	3,128.04	5,186.98	5,100.57	86.41	60.027		
11,800.00	7,630.00	7,827.96	7,701.92	61.67	32.57	-94.88	-6,803.74	3,128.03	5,087.63	5,001.35	86.29	58.963		
11,900.00	7,630.00	7,826.90	7,700.86	62.78	32.56	-94.77	-6,803.75	3,128.02	4,988.32	4,902.16	86.16	57.898		
12,000.00	7,630.00	7,825.84	7,699.80	63.95	32.56	-94.67	-6,803.76	3,128.01	4,889.03	4,803.00	86.02	56.833		
12,100.00	7,630.00	7,824.78	7,698.74	65.16	32.56	-94.57	-6,803.78	3,128.00	4,789.76	4,703.88	85.89	55.768		
12,200.00	7,630.00	7,823.72	7,697.68	66.41	32.55	-94.46	-6,803.79	3,127.99	4,690.53	4,604.79	85.75	54.702		
12,300.00	7,630.00	7,822.66	7,696.62	67.68	32.55	-94.36	-6,803.80	3,127.98	4,591.34	4,505.74	85.60	53.636		
12,400.00	7,630.00	7,821.60	7,695.56	68.99	32.55	-94.26	-6,803.81	3,127.97	4,492.18	4,406.72	85.45	52.569		
12,500.00	7,630.00	7,820.54	7,694.50	70.33	32.54	-94.15	-6,803.82	3,127.96	4,393.05	4,307.75	85.30	51.502		
12,600.00	7,630.00	7,819.47	7,693.43	71.68	32.54	-94.05	-6,803.83	3,127.95	4,293.97	4,208.83	85.14	50.434		
12,700.00	7,630.00	7,818.41	7,692.37	73.06	32.54	-93.95	-6,803.85	3,127.94	4,194.93	4,109.95	84.98	49.365		
12,800.00	7,630.00	7,817.34	7,691.30	74.45	32.54	-93.84	-6,803.86	3,127.93	4,095.93	4,011.13	84.81	48.296		
12,900.00	7,630.00	7,816.27	7,690.23	75.87	32.53	-93.74	-6,803.87	3,127.92	3,996.99	3,912.35	84.63	47.226		
13,000.00	7,630.00	7,815.20	7,689.16	77.29	32.53	-93.63	-6,803.88	3,127.91	3,898.10	3,813.64	84.46	46.155		
13,100.00	7,630.00	7,814.13	7,688.09	78.74	32.53	-93.53	-6,803.89	3,127.90	3,799.27	3,714.99	84.27	45.084		
13,200.00	7,630.00	7,813.06	7,687.02	80.19	32.52	-93.43	-6,803.91	3,127.89	3,700.50	3,616.41	84.08	44.011		
13,300.00	7,630.00	7,811.99	7,685.95	81.66	32.52	-93.32	-6,803.92	3,127.88	3,601.79	3,517.91	83.89	42.936		
13,400.00	7,630.00	7,810.91	7,684.87	83.14	32.52	-93.22	-6,803.93	3,127.87	3,503.16	3,419.48	83.69	41.861		
13,500.00	7,630.00	7,809.84	7,683.80	84.63	32.51	-93.11	-6,803.94	3,127.86	3,404.61	3,321.13	83.48	40.784		
13,600.00	7,630.00	7,808.76	7,682.72	86.14	32.51	-93.01	-6,803.95	3,127.85	3,306.15	3,222.88	83.27	39.705		
13,700.00	7,630.00	7,807.68	7,681.65	87.65	32.51	-92.90	-6,803.97	3,127.84	3,207.78	3,124.73	83.05	38.624		
13,800.00	7,630.00	7,806.60	7,680.57	89.17	32.50	-92.80	-6,803.98	3,127.83	3,109.52	3,026.68	82.83	37.540		
13,900.00	7,630.00	7,805.53	7,679.49	90.70	32.50	-92.69	-6,803.99	3,127.82	3,011.36	2,928.76	82.61	36.454		
14,000.00	7,630.00	7,804.44	7,678.41	92.24	32.50	-92.58	-6,804.00	3,127.81	2,913.34	2,830.96	82.38	35.364		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference 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		
14,100.00	7,630.00	7,803.36	7,677.32	93.78	32.49	-92.48	-6,804.01	3,127.80	2,815.45	2,733.30	82.15	34.271		
14,200.00	7,630.00	7,802.28	7,676.24	95.33	32.49	-92.37	-6,804.02	3,127.79	2,717.72	2,635.79	81.93	33.173		
14,300.00	7,630.00	7,801.19	7,675.16	96.89	32.49	-92.27	-6,804.04	3,127.78	2,620.15	2,538.45	81.70	32.070		
14,400.00	7,630.00	7,800.11	7,674.07	98.46	32.48	-92.16	-6,804.05	3,127.77	2,522.78	2,441.30	81.48	30.961		
14,500.00	7,630.00	7,799.02	7,672.99	100.03	32.48	-92.05	-6,804.06	3,127.76	2,425.62	2,344.34	81.28	29.844		
14,600.00	7,630.00	7,797.93	7,671.90	101.61	32.47	-91.95	-6,804.07	3,127.75	2,328.70	2,247.62	81.09	28.719		
14,700.00	7,630.00	7,796.84	7,670.81	103.20	32.47	-91.84	-6,804.09	3,127.74	2,232.05	2,151.13	80.92	27.584		
14,800.00	7,630.00	7,795.75	7,669.72	104.78	32.47	-91.73	-6,804.10	3,127.73	2,135.71	2,054.93	80.78	26.437		
14,900.00	7,630.00	7,794.66	7,668.63	106.38	32.46	-91.63	-6,804.11	3,127.72	2,039.72	1,959.02	80.70	25.276		
15,000.00	7,630.00	7,793.57	7,667.53	107.98	32.46	-91.52	-6,804.12	3,127.71	1,944.14	1,863.46	80.67	24.099		
15,100.00	7,630.00	7,792.48	7,666.44	109.58	32.46	-91.41	-6,804.13	3,127.70	1,849.02	1,768.28	80.73	22.903		
15,200.00	7,630.00	7,791.38	7,665.35	111.19	32.45	-91.31	-6,804.15	3,127.69	1,754.44	1,673.53	80.91	21.684		
15,300.00	7,630.00	7,790.29	7,664.25	112.81	32.45	-91.20	-6,804.16	3,127.68	1,660.50	1,579.27	81.23	20.442		
15,400.00	7,630.00	7,789.19	7,663.15	114.42	32.45	-91.09	-6,804.17	3,127.67	1,567.31	1,485.55	81.75	19.171		
15,500.00	7,630.00	7,788.09	7,662.05	116.05	32.44	-90.98	-6,804.18	3,127.66	1,475.01	1,392.47	82.54	17.871		
15,600.00	7,630.00	7,786.99	7,660.95	117.67	32.44	-90.88	-6,804.20	3,127.65	1,383.77	1,300.12	83.65	16.542		
15,700.00	7,630.00	7,785.89	7,659.85	119.30	32.44	-90.77	-6,804.21	3,127.64	1,293.84	1,208.63	85.21	15.185		
15,800.00	7,630.00	7,784.79	7,658.75	120.93	32.43	-90.66	-6,804.22	3,127.63	1,205.49	1,118.17	87.32	13.806		
15,900.00	7,630.00	7,783.68	7,657.65	122.57	32.43	-90.55	-6,804.23	3,127.62	1,119.10	1,028.98	90.12	12.418		
16,000.00	7,630.00	7,782.58	7,656.54	124.21	32.43	-90.45	-6,804.24	3,127.61	1,035.16	941.37	93.79	11.037		
16,100.00	7,630.00	7,781.47	7,655.44	125.85	32.42	-90.34	-6,804.26	3,127.60	954.32	855.83	98.49	9.689		
16,200.00	7,630.00	7,780.37	7,654.33	127.50	32.42	-90.23	-6,804.27	3,127.59	877.44	773.03	104.41	8.404		
16,300.00	7,630.00	7,779.26	7,653.22	129.15	32.42	-90.12	-6,804.28	3,127.58	805.65	693.97	111.68	7.214		
16,400.00	7,630.00	7,778.15	7,652.11	130.80	32.41	-90.01	-6,804.29	3,127.57	740.43	620.10	120.33	6.154		
16,500.00	7,630.00	7,777.04	7,651.00	132.46	32.41	-89.90	-6,804.31	3,127.56	683.67	553.50	130.17	5.252		
16,600.00	7,630.00	7,775.92	7,649.89	134.11	32.41	-89.79	-6,804.32	3,127.56	637.62	496.93	140.69	4.532		
16,700.00	7,630.00	7,774.81	7,648.78	135.77	32.40	-89.68	-6,804.33	3,127.55	604.75	453.80	150.95	4.006		
16,800.00	7,630.00	7,773.70	7,647.66	137.43	32.40	-89.58	-6,804.34	3,127.54	587.26	427.57	159.70	3.677		
16,854.23	7,630.00	7,773.09	7,647.06	138.34	32.40	-89.52	-6,804.35	3,127.53	584.76	421.38	163.37	3.579 CC		
16,900.00	7,630.00	7,772.58	7,646.55	139.10	32.40	-89.47	-6,804.36	3,127.53	586.54	420.78	165.76	3.538 ES, SF		
17,000.00	7,630.00	7,771.69	7,645.65	140.77	32.39	-89.38	-6,804.37	3,127.52	602.65	434.06	168.59	3.575		
17,100.00	7,630.00	7,770.56	7,644.53	142.44	32.39	-89.27	-6,804.38	3,127.51	634.30	465.88	168.42	3.766		
17,200.00	7,630.00	7,769.44	7,643.40	144.11	32.39	-89.16	-6,804.39	3,127.50	679.32	513.30	166.03	4.092		
17,300.00	7,630.00	7,768.31	7,642.27	145.78	32.38	-89.05	-6,804.41	3,127.49	735.27	572.96	162.31	4.530		
17,400.00	7,630.00	7,767.18	7,641.14	147.46	32.38	-88.94	-6,804.42	3,127.48	799.85	641.85	158.00	5.062		
17,500.00	7,630.00	7,766.04	7,640.01	149.13	32.38	-88.83	-6,804.43	3,127.47	871.15	717.57	153.58	5.672		
17,600.00	7,630.00	7,764.91	7,638.87	150.81	32.37	-88.71	-6,804.44	3,127.46	947.65	798.33	149.33	6.346		
17,700.00	7,630.00	7,763.77	7,637.73	152.49	32.37	-88.60	-6,804.46	3,127.45	1,028.19	882.82	145.37	7.073		
17,800.00	7,630.00	7,762.63	7,636.59	154.18	32.37	-88.49	-6,804.47	3,127.44	1,111.90	970.13	141.76	7.843		
17,900.00	7,630.00	7,761.48	7,635.45	155.86	32.36	-88.38	-6,804.48	3,127.43	1,198.10	1,059.59	138.51	8.650		
18,000.00	7,630.00	7,760.33	7,634.30	157.55	32.36	-88.27	-6,804.50	3,127.42	1,286.30	1,150.71	135.59	9.487		
18,100.00	7,630.00	7,759.18	7,633.15	159.24	32.35	-88.15	-6,804.51	3,127.41	1,376.11	1,243.14	132.97	10.349		
18,200.00	7,630.00	7,758.03	7,632.00	160.92	32.35	-88.04	-6,804.52	3,127.41	1,467.25	1,336.62	130.63	11.232		
18,300.00	7,630.00	7,756.87	7,630.84	162.62	32.35	-87.93	-6,804.53	3,127.40	1,559.47	1,430.93	128.53	12.133		
18,400.00	7,630.00	7,755.72	7,629.68	164.31	32.34	-87.81	-6,804.55	3,127.39	1,652.59	1,525.95	126.64	13.049		
18,458.39	7,630.00	7,755.04	7,629.01	165.30	32.34	-87.75	-6,804.56	3,127.38	1,707.32	1,581.70	125.63	13.590		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	163.19	-7,147.24	2,159.72	7,466.45					
100.00	100.00	42.81	42.81	0.13	0.08	163.18	-7,147.34	2,160.19	7,467.07	7,466.87	0.20	N/A		
200.00	200.00	82.81	82.78	0.49	0.17	163.17	-7,147.60	2,161.44	7,468.56	7,467.92	0.64	N/A		
300.00	300.00	160.51	160.43	0.85	0.43	163.16	-7,148.35	2,164.33	7,470.57	7,469.29	1.28	5,849.236		
400.00	400.00	227.00	226.87	1.21	0.67	163.14	-7,149.21	2,166.81	7,472.91	7,471.03	1.88	3,982.824		
500.00	500.00	279.35	279.16	1.57	0.86	163.13	-7,150.15	2,168.85	7,475.80	7,473.38	2.42	3,083.412		
600.00	600.00	318.00	317.77	1.93	1.00	163.12	-7,151.09	2,170.47	7,479.41	7,476.49	2.92	2,558.897		
700.00	700.00	373.58	373.26	2.29	1.21	163.10	-7,152.70	2,173.29	7,483.71	7,480.22	3.48	2,147.807		
800.00	800.00	410.00	409.58	2.64	1.35	163.08	-7,153.86	2,175.62	7,488.74	7,484.76	3.98	1,883.876		
900.00	900.00	410.00	409.58	3.00	1.35	163.08	-7,153.86	2,175.62	7,494.91	7,490.58	4.33	1,729.960		
1,000.00	1,000.00	456.22	455.64	3.36	1.53	163.06	-7,155.94	2,178.92	7,501.73	7,496.87	4.86	1,543.588		
1,100.00	1,100.00	502.00	501.18	3.72	1.70	163.05	-7,159.03	2,182.41	7,510.00	7,504.62	5.38	1,394.715		
1,200.00	1,199.98	502.00	501.18	4.07	1.70	111.80	-7,159.03	2,182.41	7,519.58	7,513.84	5.74	1,310.940		
1,300.00	1,299.84	502.00	501.18	4.43	1.70	111.57	-7,159.03	2,182.41	7,531.75	7,525.67	6.09	1,237.623		
1,400.00	1,399.45	549.46	548.29	4.79	1.89	111.31	-7,163.12	2,186.44	7,545.95	7,539.33	6.62	1,140.406		
1,500.00	1,498.70	594.00	592.40	5.15	2.08	111.02	-7,167.56	2,190.76	7,562.53	7,555.39	7.14	1,058.893		
1,600.00	1,597.47	594.00	592.40	5.53	2.08	110.66	-7,167.56	2,190.76	7,581.14	7,573.64	7.51	1,009.926		
1,700.00	1,695.62	636.87	634.74	5.93	2.26	110.30	-7,172.24	2,195.53	7,601.87	7,593.82	8.05	943.942		
1,800.00	1,793.06	686.00	683.12	6.35	2.47	109.91	-7,177.93	2,201.93	7,624.69	7,616.05	8.64	882.320		
1,900.00	1,889.64	717.50	714.05	6.79	2.62	109.47	-7,181.67	2,206.50	7,649.33	7,640.14	9.19	832.489		
2,000.00	1,985.27	778.00	773.35	7.27	2.90	109.03	-7,188.75	2,216.22	7,675.63	7,665.75	9.88	776.746		
2,100.00	2,079.82	809.60	804.25	7.79	3.05	108.52	-7,192.53	2,221.69	7,703.66	7,693.17	10.49	734.319		
2,200.00	2,173.17	855.00	848.53	8.36	3.27	108.00	-7,198.37	2,229.82	7,733.64	7,722.45	11.19	690.886		
2,300.00	2,265.21	855.00	848.53	8.97	3.27	107.36	-7,198.37	2,229.82	7,765.39	7,753.66	11.74	661.711		
2,400.00	2,355.84	905.88	898.01	9.64	3.53	106.79	-7,205.42	2,239.29	7,798.84	7,786.29	12.55	621.432		
2,500.00	2,444.94	942.00	933.07	10.36	3.72	106.16	-7,210.69	2,246.24	7,834.02	7,820.68	13.34	587.349		
2,591.69	2,525.19	942.00	933.07	11.07	3.72	105.46	-7,210.69	2,246.24	7,867.85	7,853.90	13.95	564.076		
2,600.00	2,532.40	942.00	933.07	11.14	3.72	105.46	-7,210.69	2,246.24	7,870.99	7,856.99	14.01	561.990		
2,700.00	2,619.15	995.99	985.33	11.96	4.01	105.61	-7,219.10	2,256.87	7,908.85	7,893.89	14.96	528.831		
2,800.00	2,705.89	1,036.00	1,023.95	12.81	4.23	105.72	-7,225.82	2,264.88	7,947.65	7,931.79	15.86	501.121		
2,900.00	2,792.64	1,061.73	1,048.75	13.67	4.37	105.79	-7,230.30	2,270.07	7,987.12	7,970.42	16.70	478.147		
3,000.00	2,879.39	3,000.00	1,144.52	14.55	15.40	106.06	-7,247.87	2,289.82	8,027.06	8,000.67	26.39	304.224		
3,100.00	2,966.14	1,235.29	1,216.13	15.44	5.35	106.26	-7,260.79	2,304.34	8,066.82	8,047.79	19.03	423.822		
3,200.00	3,052.88	1,289.00	1,267.78	16.34	5.66	106.41	-7,270.50	2,315.42	8,107.34	8,087.30	20.05	404.423		
3,300.00	3,139.63	1,289.00	1,267.78	17.25	5.66	106.41	-7,270.50	2,315.42	8,148.36	8,127.58	20.78	392.043		
3,400.00	3,226.38	1,348.47	1,324.80	18.17	6.01	106.56	-7,281.65	2,328.15	8,190.05	8,168.21	21.84	374.999		
3,500.00	3,313.12	1,403.06	1,377.05	19.09	6.34	106.70	-7,292.07	2,339.99	8,232.18	8,209.31	22.87	359.893		
3,600.00	3,399.87	1,463.00	1,434.36	20.02	6.70	106.85	-7,303.69	2,353.20	8,274.74	8,250.80	23.94	345.632		
3,700.00	3,486.62	1,491.80	1,461.85	20.96	6.88	106.93	-7,309.39	2,359.62	8,317.81	8,292.98	24.84	334.903		
3,800.00	3,573.37	1,522.30	1,490.91	21.90	7.07	107.00	-7,315.61	2,366.46	8,361.55	8,335.81	25.74	324.854		
3,900.00	3,660.11	1,550.00	1,517.26	22.84	7.25	107.07	-7,321.43	2,372.72	8,405.95	8,379.32	26.62	315.736		
4,000.00	3,746.86	1,598.18	1,563.01	23.78	7.56	107.19	-7,331.77	2,383.75	8,450.90	8,423.28	27.63	305.888		
4,100.00	3,833.61	1,638.00	1,600.74	24.73	7.82	107.29	-7,340.45	2,393.06	8,496.36	8,467.78	28.58	297.283		
4,200.00	3,920.35	1,668.90	1,629.96	25.68	8.02	107.36	-7,347.35	2,400.38	8,542.40	8,512.92	29.48	289.777		
4,300.00	4,007.10	1,696.80	1,656.28	26.63	8.21	107.43	-7,353.74	2,407.06	8,589.09	8,558.74	30.36	282.948		
4,400.00	4,093.85	2,198.69	2,132.52	27.59	11.49	108.60	-7,459.97	2,524.18	8,634.98	8,600.83	34.15	252.852		
4,500.00	4,180.60	2,249.00	2,180.65	28.55	11.81	108.71	-7,469.52	2,535.26	8,678.14	8,642.96	35.18	246.687		
4,600.00	4,267.34	2,294.23	2,223.84	29.50	12.10	108.82	-7,478.25	2,545.48	8,721.77	8,685.59	36.18	241.072		
4,700.00	4,354.09	2,336.00	2,263.60	30.46	12.36	108.91	-7,486.50	2,555.26	8,765.97	8,728.81	37.15	235.930		
4,800.00	4,440.84	4,800.00	2,518.46	31.42	27.45	109.52	-7,538.57	2,613.97	8,810.37	8,760.12	50.25	175.329		
4,900.00	4,527.58	2,647.67	2,561.65	32.39	14.32	109.62	-7,546.88	2,623.36	8,853.29	8,812.79	40.50	218.611		
5,000.00	4,614.33	2,685.00	2,597.41	33.35	14.55	109.70	-7,554.01	2,631.36	8,896.83	8,855.39	41.44	214.690		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,701.08	2,727.68	2,638.20	34.31	14.83	109.80	-7,562.32	2,640.80	8,940.90	8,898.48	42.42	210.778		
5,200.00	4,787.82	2,921.48	2,822.82	35.28	16.08	110.20	-7,599.01	2,686.92	8,985.15	8,940.78	44.38	202.470		
5,300.00	4,874.57	2,986.71	2,885.03	36.25	16.50	110.33	-7,610.80	2,702.57	9,028.55	8,983.04	45.51	198.388		
5,400.00	4,961.32	3,035.00	2,931.12	37.21	16.81	110.43	-7,619.82	2,713.79	9,072.39	9,025.86	46.53	194.990		
5,500.00	5,048.07	3,065.92	2,960.62	38.18	17.01	110.49	-7,625.77	2,720.90	9,116.74	9,069.31	47.43	192.229		
5,600.00	5,134.81	3,122.00	3,014.01	39.15	17.37	110.61	-7,636.97	2,733.93	9,161.74	9,113.26	48.49	188.954		
5,700.00	5,221.56	3,122.00	3,014.01	40.12	17.37	110.61	-7,636.97	2,733.93	9,207.17	9,158.00	49.17	187.252		
5,800.00	5,308.31	3,161.97	3,051.96	41.09	17.64	110.69	-7,645.28	2,743.28	9,253.21	9,203.10	50.11	184.641		
5,900.00	5,395.05	3,209.00	3,096.56	42.06	17.95	110.78	-7,655.43	2,754.25	9,299.87	9,248.76	51.10	181.981		
6,000.00	5,481.80	3,209.00	3,096.56	43.03	17.95	110.78	-7,655.43	2,754.25	9,347.04	9,295.27	51.76	180.570		
6,100.00	5,568.55	3,242.14	3,127.90	44.00	18.18	110.85	-7,662.88	2,762.01	9,394.81	9,342.17	52.65	178.447		
6,200.00	5,655.30	3,264.23	3,148.74	44.97	18.33	110.90	-7,668.02	2,767.23	9,443.24	9,389.79	53.45	176.681		
6,300.00	5,742.04	3,604.75	3,469.54	45.94	20.70	111.54	-7,744.22	2,852.17	9,492.14	9,435.59	56.55	167.855		
6,400.00	5,828.79	3,646.00	3,508.49	46.92	20.98	111.61	-7,752.69	2,862.79	9,538.78	9,481.28	57.50	165.881		
6,500.00	5,915.54	3,695.93	3,555.60	47.89	21.33	111.70	-7,763.17	2,875.60	9,585.81	9,527.29	58.52	163.810		
6,600.00	6,002.28	3,733.00	3,590.55	48.86	21.59	111.77	-7,771.23	2,884.95	9,633.39	9,573.96	59.43	162.088		
6,700.00	6,089.03	3,767.75	3,623.30	49.83	21.83	111.83	-7,778.97	2,893.61	9,681.46	9,621.14	60.32	160.490		
6,800.00	6,175.78	6,545.28	6,335.94	50.81	33.99	118.22	-8,087.93	3,208.45	9,728.27	9,653.96	74.32	130.904		
6,900.00	6,262.53	6,659.61	6,450.26	51.78	34.22	118.53	-8,086.30	3,207.20	9,752.89	9,677.46	75.43	129.306		
7,000.00	6,349.27	6,750.02	6,540.65	52.76	34.41	118.77	-8,084.79	3,206.42	9,777.52	9,701.04	76.48	127.849		
7,100.00	6,436.02	6,826.81	6,617.43	53.73	34.57	118.97	-8,083.55	3,205.94	9,802.40	9,724.91	77.50	126.491		
7,200.00	6,522.77	6,898.82	6,689.42	54.71	34.73	119.16	-8,082.45	3,205.65	9,827.57	9,749.07	78.50	125.191		
7,300.00	6,609.51	6,962.24	6,752.84	55.68	34.87	119.33	-8,081.59	3,205.63	9,853.10	9,773.62	79.49	123.960		
7,400.00	6,696.26	7,025.80	6,816.40	56.66	35.01	119.49	-8,080.85	3,205.87	9,879.02	9,798.55	80.47	122.771		
7,500.00	6,783.01	7,085.32	6,875.91	57.63	35.16	119.64	-8,080.29	3,206.32	9,905.33	9,823.89	81.44	121.627		
7,600.00	6,869.76	7,142.37	6,932.95	58.61	35.30	119.79	-8,079.90	3,206.98	9,932.07	9,849.67	82.41	120.525		
7,683.49	6,942.18	7,190.06	6,980.64	59.42	35.42	119.91	-8,079.69	3,207.71	9,954.73	9,871.52	83.21	119.634		
7,700.00	6,956.57	7,199.54	6,990.12	59.58	35.45	117.54	-8,079.66	3,207.87	9,959.02	9,875.65	83.37	119.458		
7,750.00	7,000.85	7,225.00	7,015.58	60.04	35.51	109.32	-8,079.60	3,208.33	9,969.26	9,885.42	83.84	118.913		
7,800.00	7,045.94	7,264.09	7,054.66	60.46	35.62	99.64	-8,079.56	3,209.12	9,975.31	9,890.97	84.35	118.264		
7,850.00	7,091.49	7,299.22	7,089.78	60.84	35.71	88.85	-8,079.56	3,209.89	9,977.13	9,892.29	84.84	117.604		
7,900.00	7,137.15	7,334.49	7,125.04	61.17	35.81	77.72	-8,079.59	3,210.72	9,974.68	9,889.37	85.31	116.924		
7,950.00	7,182.58	7,369.64	7,160.18	61.44	35.90	67.15	-8,079.65	3,211.62	9,967.99	9,882.23	85.76	116.230		
8,000.00	7,227.43	7,400.00	7,190.53	61.67	35.99	57.77	-8,079.73	3,212.44	9,957.11	9,870.94	86.17	115.547		
8,050.00	7,271.36	7,433.90	7,224.41	61.84	36.08	49.86	-8,079.86	3,213.43	9,942.12	9,855.54	86.58	114.836		
8,100.00	7,314.04	7,463.16	7,253.66	61.96	36.17	43.33	-8,080.00	3,214.38	9,923.13	9,836.20	86.94	114.141		
8,150.00	7,355.14	7,491.46	7,281.93	62.04	36.25	38.00	-8,080.18	3,215.37	9,900.29	9,813.02	87.27	113.447		
8,200.00	7,394.34	7,518.56	7,309.02	62.07	36.33	33.63	-8,080.38	3,216.39	9,873.74	9,786.17	87.57	112.755		
8,250.00	7,431.36	7,544.27	7,334.70	62.06	36.41	29.99	-8,080.60	3,217.42	9,843.69	9,755.85	87.84	112.069		
8,300.00	7,465.90	7,574.00	7,364.41	62.01	36.49	26.91	-8,080.88	3,218.70	9,810.34	9,722.25	88.09	111.364		
8,350.00	7,497.71	7,591.64	7,382.03	61.93	36.55	24.19	-8,081.07	3,219.49	9,773.93	9,685.65	88.28	110.710		
8,400.00	7,526.53	7,613.15	7,403.51	61.81	36.61	21.72	-8,081.31	3,220.51	9,734.73	9,646.27	88.47	110.039		
8,450.00	7,552.17	7,632.39	7,422.73	61.66	36.68	19.33	-8,081.53	3,221.47	9,693.03	9,604.41	88.62	109.383		
8,500.00	7,574.41	7,649.22	7,439.53	61.48	36.73	16.82	-8,081.74	3,222.35	9,649.12	9,560.39	88.73	108.742		
8,550.00	7,593.09	7,663.47	7,453.77	61.29	36.77	13.86	-8,081.92	3,223.11	9,603.34	9,514.51	88.82	108.118		
8,600.00	7,608.07	7,675.04	7,463.31	61.07	36.81	9.82	-8,082.07	3,223.75	9,556.02	9,467.14	88.88	107.514		
8,650.00	7,619.23	7,683.81	7,474.07	60.84	36.84	3.08	-8,082.19	3,224.25	9,507.52	9,418.61	88.91	106.930		
8,700.00	7,626.48	7,689.71	7,479.96	60.60	36.85	-11.66	-8,082.27	3,224.58	9,458.20	9,369.28	88.92	106.369		
8,750.00	7,629.78	7,692.67	7,482.91	60.35	36.86	-54.27	-8,082.31	3,224.75	9,408.44	9,319.54	88.90	105.832		
8,766.45	7,630.00	7,692.99	7,483.24	60.27	36.87	-76.18	-8,082.32	3,224.77	9,392.04	9,303.15	88.89	105.661		
8,800.00	7,630.00	7,693.33	7,483.57	60.10	36.87	-76.21	-8,082.32	3,224.79	9,358.58	9,269.72	88.86	105.316		
8,900.00	7,630.00	7,694.34	7,484.58	59.61	36.87	-76.29	-8,082.34	3,224.85	9,258.87	9,170.09	88.78	104.286		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
9,000.00	7,630.00	7,695.35	7,485.59	59.15	36.87	-76.37	-8,082.35	3,224.91	9,159.17	9,070.46	88.70	103.255		
9,100.00	7,630.00	7,696.36	7,486.60	58.71	36.88	-76.45	-8,082.37	3,224.97	9,059.47	8,970.84	88.62	102.223		
9,200.00	7,630.00	7,697.38	7,487.62	58.30	36.88	-76.53	-8,082.38	3,225.03	8,959.77	8,871.23	88.54	101.191		
9,300.00	7,630.00	7,698.41	7,488.64	57.91	36.88	-76.62	-8,082.39	3,225.09	8,860.09	8,771.63	88.46	100.159		
9,400.00	7,630.00	7,699.44	7,489.67	57.54	36.89	-76.70	-8,082.41	3,225.15	8,760.41	8,672.03	88.38	99.126		
9,500.00	7,630.00	7,700.47	7,490.70	57.19	36.89	-76.78	-8,082.42	3,225.21	8,660.74	8,572.45	88.29	98.092		
9,600.00	7,630.00	7,701.51	7,491.74	56.87	36.89	-76.86	-8,082.44	3,225.27	8,561.07	8,472.87	88.21	97.058		
9,700.00	7,630.00	7,702.55	7,492.78	56.57	36.90	-76.95	-8,082.45	3,225.33	8,461.42	8,373.30	88.12	96.023		
9,800.00	7,630.00	7,703.60	7,493.83	56.30	36.90	-77.03	-8,082.47	3,225.39	8,361.77	8,273.74	88.03	94.988		
9,900.00	7,630.00	7,704.66	7,494.88	56.05	36.90	-77.12	-8,082.48	3,225.46	8,262.13	8,174.19	87.94	93.952		
10,000.00	7,630.00	7,705.71	7,495.94	55.82	36.90	-77.20	-8,082.50	3,225.52	8,162.50	8,074.65	87.85	92.916		
10,100.00	7,630.00	7,706.78	7,497.00	55.63	36.91	-77.29	-8,082.51	3,225.58	8,062.88	7,975.12	87.76	91.879		
10,200.00	7,630.00	7,707.85	7,498.06	55.46	36.91	-77.37	-8,082.53	3,225.65	7,963.26	7,875.60	87.66	90.842		
10,300.00	7,630.00	7,708.92	7,499.13	55.32	36.91	-77.46	-8,082.54	3,225.71	7,863.66	7,776.10	87.56	89.805		
10,400.00	7,630.00	7,710.00	7,500.21	55.22	36.92	-77.55	-8,082.56	3,225.77	7,764.07	7,676.60	87.47	88.766		
10,500.00	7,630.00	7,711.08	7,501.29	55.15	36.92	-77.63	-8,082.58	3,225.84	7,664.48	7,577.12	87.37	87.728		
10,600.00	7,630.00	7,712.17	7,502.38	55.14	36.93	-77.72	-8,082.59	3,225.90	7,564.91	7,477.65	87.26	86.689		
10,700.00	7,630.00	7,713.26	7,503.47	55.18	36.93	-77.81	-8,082.61	3,225.97	7,465.35	7,378.19	87.16	85.650		
10,800.00	7,630.00	7,714.36	7,504.57	55.28	36.93	-77.90	-8,082.62	3,226.04	7,365.80	7,278.75	87.06	84.610		
10,900.00	7,630.00	7,715.47	7,505.67	55.47	36.94	-77.99	-8,082.64	3,226.10	7,266.26	7,179.32	86.95	83.570		
11,000.00	7,630.00	7,716.58	7,506.77	55.74	36.94	-78.08	-8,082.66	3,226.17	7,166.74	7,079.90	86.84	82.529		
11,100.00	7,630.00	7,717.69	7,507.89	56.11	36.94	-78.17	-8,082.67	3,226.24	7,067.23	6,980.50	86.73	81.488		
11,200.00	7,630.00	7,718.81	7,509.00	56.60	36.95	-78.26	-8,082.69	3,226.31	6,967.73	6,881.12	86.61	80.447		
11,300.00	7,630.00	7,719.94	7,510.13	57.20	36.95	-78.35	-8,082.71	3,226.38	6,868.25	6,781.75	86.50	79.405		
11,400.00	7,630.00	7,721.07	7,511.26	57.91	36.95	-78.44	-8,082.72	3,226.44	6,768.78	6,682.40	86.38	78.362		
11,500.00	7,630.00	7,722.20	7,512.39	58.72	36.96	-78.53	-8,082.74	3,226.51	6,669.33	6,583.07	86.26	77.320		
11,600.00	7,630.00	7,723.34	7,513.53	59.63	36.96	-78.62	-8,082.76	3,226.58	6,569.89	6,483.76	86.13	76.277		
11,700.00	7,630.00	7,724.49	7,514.67	60.61	36.96	-78.71	-8,082.77	3,226.65	6,470.47	6,384.47	86.01	75.233		
11,800.00	7,630.00	7,725.64	7,515.82	61.67	36.97	-78.81	-8,082.79	3,226.73	6,371.07	6,285.20	85.88	74.189		
11,900.00	7,630.00	7,726.80	7,516.98	62.78	36.97	-78.90	-8,082.81	3,226.80	6,271.69	6,185.95	85.74	73.145		
12,000.00	7,630.00	7,727.97	7,518.14	63.95	36.97	-79.00	-8,082.83	3,226.87	6,172.33	6,086.72	85.61	72.100		
12,100.00	7,630.00	7,729.13	7,519.31	65.16	36.98	-79.09	-8,082.84	3,226.94	6,072.98	5,987.52	85.47	71.055		
12,200.00	7,630.00	7,730.31	7,520.48	66.41	36.98	-79.19	-8,082.86	3,227.01	5,973.66	5,888.34	85.33	70.009		
12,300.00	7,630.00	7,731.49	7,521.66	67.68	36.99	-79.28	-8,082.88	3,227.09	5,874.37	5,789.18	85.18	68.963		
12,400.00	7,630.00	7,732.68	7,522.85	68.99	36.99	-79.38	-8,082.90	3,227.16	5,775.09	5,690.06	85.03	67.916		
12,500.00	7,630.00	7,733.87	7,524.04	70.33	36.99	-79.47	-8,082.91	3,227.24	5,675.84	5,590.96	84.88	66.869		
12,600.00	7,630.00	7,735.07	7,525.23	71.68	37.00	-79.57	-8,082.93	3,227.31	5,576.62	5,491.90	84.72	65.821		
12,700.00	7,630.00	7,736.27	7,526.43	73.06	37.00	-79.67	-8,082.95	3,227.39	5,477.43	5,392.86	84.56	64.773		
12,800.00	7,630.00	7,737.49	7,527.64	74.45	37.00	-79.77	-8,082.97	3,227.46	5,378.26	5,293.86	84.40	63.724		
12,900.00	7,630.00	7,738.70	7,528.86	75.87	37.01	-79.87	-8,082.99	3,227.54	5,279.13	5,194.90	84.23	62.674		
13,000.00	7,630.00	7,739.92	7,530.08	77.29	37.01	-79.97	-8,083.01	3,227.62	5,180.03	5,095.97	84.06	61.623		
13,100.00	7,630.00	7,741.15	7,531.30	78.74	37.02	-80.07	-8,083.03	3,227.70	5,080.97	4,997.08	83.88	60.572		
13,200.00	7,630.00	7,742.39	7,532.53	80.19	37.02	-80.17	-8,083.05	3,227.77	4,981.94	4,898.23	83.70	59.520		
13,300.00	7,630.00	7,743.63	7,533.77	81.66	37.02	-80.27	-8,083.06	3,227.85	4,882.95	4,799.43	83.52	58.466		
13,400.00	7,630.00	7,744.88	7,535.02	83.14	37.03	-80.37	-8,083.08	3,227.93	4,784.00	4,700.67	83.33	57.412		
13,500.00	7,630.00	7,746.13	7,536.27	84.63	37.03	-80.47	-8,083.10	3,228.01	4,685.10	4,601.96	83.13	56.357		
13,600.00	7,630.00	7,747.39	7,537.53	86.14	37.04	-80.57	-8,083.12	3,228.09	4,586.24	4,503.31	82.93	55.300		
13,700.00	7,630.00	7,749.00	7,539.13	87.65	37.04	-80.71	-8,083.15	3,228.20	4,487.43	4,404.70	82.73	54.240		
13,800.00	7,630.00	7,750.31	7,540.44	89.17	37.04	-80.81	-8,083.17	3,228.28	4,388.68	4,306.16	82.52	53.180		
13,900.00	7,630.00	7,752.11	7,542.23	90.70	37.05	-80.96	-8,083.20	3,228.40	4,289.99	4,207.67	82.32	52.117		
14,000.00	7,630.00	7,753.89	7,544.01	92.24	37.06	-81.11	-8,083.22	3,228.51	4,191.35	4,109.25	82.10	51.051		
14,100.00	7,630.00	7,755.66	7,545.78	93.78	37.06	-81.25	-8,083.25	3,228.63	4,092.78	4,010.90	81.88	49.983		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
14,200.00	7,630.00	7,757.43	7,547.54	95.33	37.07	-81.39	-8,083.28	3,228.74	3,994.29	3,912.63	81.66	48.913		
14,300.00	7,630.00	7,759.19	7,549.30	96.89	37.07	-81.54	-8,083.31	3,228.85	3,895.86	3,814.43	81.44	47.840		
14,400.00	7,630.00	7,760.94	7,551.05	98.46	37.08	-81.68	-8,083.33	3,228.96	3,797.52	3,716.32	81.21	46.764		
14,500.00	7,630.00	7,762.68	7,552.79	100.03	37.08	-81.82	-8,083.36	3,229.07	3,699.27	3,618.30	80.98	45.684		
14,600.00	7,630.00	7,764.42	7,554.52	101.61	37.09	-81.97	-8,083.39	3,229.18	3,601.12	3,520.37	80.74	44.599		
14,700.00	7,630.00	7,766.15	7,556.24	103.20	37.10	-82.11	-8,083.41	3,229.29	3,503.06	3,422.55	80.51	43.510		
14,800.00	7,630.00	7,767.87	7,557.96	104.78	37.10	-82.25	-8,083.44	3,229.40	3,405.12	3,324.84	80.28	42.416		
14,900.00	7,630.00	7,769.58	7,559.67	106.38	37.11	-82.39	-8,083.47	3,229.51	3,307.30	3,227.25	80.05	41.315		
15,000.00	7,630.00	7,771.28	7,561.37	107.98	37.11	-82.53	-8,083.49	3,229.61	3,209.62	3,129.79	79.83	40.208		
15,100.00	7,630.00	7,772.98	7,563.06	109.58	37.12	-82.67	-8,083.52	3,229.72	3,112.08	3,032.47	79.61	39.092		
15,200.00	7,630.00	7,774.67	7,564.74	111.19	37.12	-82.81	-8,083.54	3,229.83	3,014.71	2,935.30	79.40	37.967		
15,300.00	7,630.00	7,776.35	7,566.42	112.81	37.13	-82.94	-8,083.57	3,229.93	2,917.50	2,838.29	79.21	36.831		
15,400.00	7,630.00	7,778.02	7,568.09	114.42	37.13	-83.08	-8,083.60	3,230.03	2,820.50	2,741.46	79.04	35.683		
15,500.00	7,630.00	7,779.69	7,569.76	116.05	37.14	-83.22	-8,083.62	3,230.14	2,723.71	2,644.81	78.90	34.522		
15,600.00	7,630.00	7,781.35	7,571.41	117.67	37.14	-83.36	-8,083.65	3,230.24	2,627.16	2,548.37	78.79	33.345		
15,700.00	7,630.00	7,783.00	7,573.06	119.30	37.15	-83.49	-8,083.67	3,230.34	2,530.87	2,452.15	78.72	32.150		
15,800.00	7,630.00	7,784.65	7,574.70	120.93	37.15	-83.63	-8,083.69	3,230.44	2,434.89	2,356.18	78.71	30.935		
15,900.00	7,630.00	7,786.29	7,576.34	122.57	37.16	-83.76	-8,083.72	3,230.54	2,339.24	2,260.47	78.77	29.697		
16,000.00	7,630.00	7,787.92	7,577.97	124.21	37.16	-83.89	-8,083.74	3,230.64	2,243.96	2,165.05	78.92	28.435		
16,100.00	7,630.00	7,789.54	7,579.59	125.85	37.17	-84.03	-8,083.77	3,230.74	2,149.12	2,069.95	79.17	27.145		
16,200.00	7,630.00	7,791.16	7,581.20	127.50	37.17	-84.16	-8,083.79	3,230.84	2,054.77	1,975.20	79.56	25.825		
16,300.00	7,630.00	7,792.77	7,582.81	129.15	37.18	-84.29	-8,083.82	3,230.94	1,960.97	1,880.84	80.13	24.473		
16,400.00	7,630.00	7,794.37	7,584.41	130.80	37.19	-84.43	-8,083.84	3,231.04	1,867.81	1,786.92	80.90	23.089		
16,500.00	7,630.00	7,795.96	7,586.00	132.46	37.19	-84.56	-8,083.86	3,231.14	1,775.40	1,693.48	81.92	21.673		
16,600.00	7,630.00	7,797.55	7,587.58	134.11	37.20	-84.69	-8,083.89	3,231.23	1,683.86	1,600.60	83.25	20.226		
16,700.00	7,630.00	7,799.13	7,589.16	135.77	37.20	-84.82	-8,083.91	3,231.33	1,593.33	1,508.36	84.96	18.753		
16,800.00	7,630.00	7,800.71	7,590.74	137.43	37.21	-84.95	-8,083.93	3,231.42	1,504.00	1,416.87	87.13	17.262		
16,900.00	7,630.00	7,802.28	7,592.30	139.10	37.21	-85.08	-8,083.96	3,231.52	1,416.09	1,326.26	89.83	15.764		
17,000.00	7,630.00	7,803.84	7,593.86	140.77	37.22	-85.21	-8,083.98	3,231.61	1,329.89	1,236.71	93.18	14.272		
17,100.00	7,630.00	7,805.39	7,595.41	142.44	37.22	-85.33	-8,084.00	3,231.71	1,245.76	1,148.47	97.29	12.805		
17,200.00	7,630.00	7,806.94	7,596.96	144.11	37.23	-85.46	-8,084.02	3,231.80	1,164.13	1,061.86	102.28	11.382		
17,300.00	7,630.00	7,808.49	7,598.50	145.78	37.23	-85.59	-8,084.05	3,231.89	1,085.58	977.31	108.27	10.026		
17,400.00	7,630.00	7,810.02	7,600.03	147.46	37.24	-85.71	-8,084.07	3,231.98	1,010.83	895.43	115.40	8.759		
17,500.00	7,630.00	7,811.55	7,601.55	149.13	37.24	-85.84	-8,084.09	3,232.07	940.78	817.02	123.75	7.602		
17,600.00	7,630.00	7,813.07	7,603.07	150.81	37.24	-85.97	-8,084.11	3,232.16	876.55	743.20	133.35	6.573		
17,700.00	7,630.00	7,814.59	7,604.59	152.49	37.25	-86.09	-8,084.13	3,232.25	819.52	675.43	144.09	5.688		
17,800.00	7,630.00	7,816.10	7,606.09	154.18	37.25	-86.21	-8,084.16	3,232.34	771.28	615.64	155.64	4.956		
17,900.00	7,630.00	7,817.60	7,607.59	155.86	37.26	-86.34	-8,084.18	3,232.43	733.58	566.19	167.39	4.383		
18,000.00	7,630.00	7,819.10	7,609.09	157.55	37.26	-86.46	-8,084.20	3,232.52	708.10	529.68	178.42	3.969		
18,100.00	7,630.00	7,820.59	7,610.58	159.24	37.27	-86.58	-8,084.22	3,232.61	696.17	508.49	187.68	3.709		
18,133.74	7,630.00	7,821.09	7,611.08	159.81	37.27	-86.63	-8,084.23	3,232.64	695.35	505.12	190.23	3.655 CC		
18,200.00	7,630.00	7,822.07	7,612.06	160.92	37.27	-86.71	-8,084.24	3,232.70	698.50	504.25	194.25	3.596 ES, SF		
18,300.00	7,630.00	7,823.55	7,613.53	162.62	37.28	-86.83	-8,084.26	3,232.78	714.95	517.24	197.71	3.616		
18,400.00	7,630.00	7,825.02	7,615.00	164.31	37.28	-86.95	-8,084.28	3,232.87	744.58	546.39	198.19	3.757		
18,458.39	7,630.00	7,825.88	7,615.86	165.30	37.29	-87.02	-8,084.30	3,232.92	767.39	570.08	197.31	3.889		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference 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	11.26	11.26	0.00	0.01	163.28	-7,164.00	2,151.89	7,480.22					
100.00	100.00	64.05	64.05	0.13	0.13	163.28	-7,164.18	2,152.16	7,480.69	7,480.42	0.27	N/A		
200.00	200.00	119.44	119.43	0.49	0.33	163.27	-7,164.56	2,152.98	7,481.76	7,480.94	0.82	9,099.696		
300.00	300.00	178.34	178.32	0.85	0.54	163.27	-7,165.15	2,154.40	7,483.41	7,482.02	1.39	5,373.228		
400.00	400.00	227.00	226.94	1.21	0.72	163.26	-7,165.78	2,155.90	7,485.61	7,483.69	1.93	3,885.549		
500.00	500.00	264.81	264.72	1.57	0.86	163.25	-7,166.45	2,157.46	7,488.58	7,486.16	2.42	3,090.607		
600.00	600.00	318.00	317.79	1.93	1.05	163.23	-7,167.83	2,160.63	7,492.57	7,489.60	2.97	2,518.898		
700.00	700.00	318.00	317.79	2.29	1.05	163.23	-7,167.83	2,160.63	7,497.30	7,493.97	3.33	2,249.431		
800.00	800.00	318.00	317.79	2.64	1.05	163.23	-7,167.83	2,160.63	7,503.35	7,499.66	3.69	2,032.676		
900.00	900.00	373.80	373.38	3.00	1.27	163.20	-7,170.10	2,164.95	7,509.88	7,505.62	4.25	1,765.052		
1,000.00	1,000.00	410.00	409.37	3.36	1.41	163.18	-7,172.16	2,168.18	7,517.73	7,512.98	4.74	1,584.525		
1,100.00	1,100.00	410.00	409.37	3.72	1.41	163.18	-7,172.16	2,168.18	7,526.54	7,521.44	5.10	1,476.016		
1,200.00	1,199.98	453.56	452.64	4.07	1.58	111.90	-7,175.26	2,172.21	7,536.89	7,531.27	5.61	1,342.366		
1,300.00	1,299.84	502.00	500.69	4.43	1.77	111.66	-7,179.49	2,176.57	7,549.58	7,543.44	6.15	1,228.427		
1,400.00	1,399.45	502.00	500.69	4.79	1.77	111.38	-7,179.49	2,176.57	7,564.33	7,557.83	6.50	1,164.329		
1,500.00	1,498.70	541.47	539.80	5.15	1.94	111.08	-7,183.53	2,180.02	7,581.27	7,574.27	7.00	1,082.689		
1,600.00	1,597.47	594.00	591.78	5.53	2.16	110.76	-7,189.74	2,184.43	7,600.49	7,592.92	7.57	1,004.658		
1,700.00	1,695.62	594.00	591.78	5.93	2.16	110.36	-7,189.74	2,184.43	7,621.58	7,613.63	7.94	959.671		
1,800.00	1,793.06	640.82	638.04	6.35	2.35	109.97	-7,195.97	2,188.03	7,644.74	7,636.23	8.51	898.002		
1,900.00	1,889.64	686.00	682.64	6.79	2.55	109.56	-7,202.53	2,191.06	7,669.83	7,660.73	9.10	842.954		
2,000.00	1,985.27	686.00	682.64	7.27	2.55	109.03	-7,202.53	2,191.06	7,696.93	7,687.39	9.54	806.950		
2,100.00	2,079.82	723.77	719.85	7.79	2.71	108.54	-7,208.59	2,193.30	7,725.91	7,715.76	10.15	761.092		
2,200.00	2,173.17	743.79	739.53	8.36	2.80	107.97	-7,212.10	2,194.40	7,756.98	7,746.25	10.73	722.991		
2,300.00	2,265.21	778.00	773.08	8.97	2.95	107.41	-7,218.55	2,196.12	7,790.06	7,778.66	11.40	683.379		
2,400.00	2,355.84	778.00	773.08	9.64	2.95	106.70	-7,218.55	2,196.12	7,824.92	7,812.95	11.98	653.395		
2,500.00	2,444.94	778.00	773.08	10.36	2.95	105.94	-7,218.55	2,196.12	7,861.83	7,849.24	12.59	624.311		
2,591.69	2,525.19	816.02	810.24	11.07	3.13	105.34	-7,226.40	2,197.83	7,896.99	7,883.64	13.35	591.667		
2,600.00	2,532.40	817.44	811.62	11.14	3.14	105.35	-7,226.71	2,197.89	7,900.26	7,886.85	13.41	589.155		
2,700.00	2,619.15	855.00	848.18	11.96	3.31	105.50	-7,235.21	2,199.37	7,940.22	7,925.97	14.25	557.365		
2,800.00	2,705.89	855.00	848.18	12.81	3.31	105.50	-7,235.21	2,199.37	7,980.81	7,965.87	14.94	534.041		
2,900.00	2,792.64	855.00	848.18	13.67	3.31	105.50	-7,235.21	2,199.37	8,022.45	8,006.80	15.65	512.614		
3,000.00	2,879.39	893.32	885.34	14.55	3.50	105.65	-7,244.46	2,200.84	8,064.79	8,048.26	16.52	488.102		
3,100.00	2,966.14	942.00	932.37	15.44	3.75	105.85	-7,256.85	2,202.94	8,108.15	8,090.71	17.44	464.836		
3,200.00	3,052.88	942.00	932.37	16.34	3.75	105.85	-7,256.85	2,202.94	8,151.99	8,133.83	18.16	448.917		
3,300.00	3,139.63	942.00	932.37	17.25	3.75	105.85	-7,256.85	2,202.94	8,196.82	8,177.94	18.87	434.292		
3,400.00	3,226.38	987.16	975.85	18.17	3.99	106.02	-7,268.86	2,205.19	8,242.24	8,222.45	19.79	416.394		
3,500.00	3,313.12	1,031.00	1,017.92	19.09	4.22	106.19	-7,280.90	2,207.73	8,288.51	8,267.81	20.70	400.442		
3,600.00	3,399.87	1,031.00	1,017.92	20.02	4.22	106.19	-7,280.90	2,207.73	8,335.38	8,313.97	21.41	389.394		
3,700.00	3,486.62	1,077.81	1,062.73	20.96	4.49	106.37	-7,294.08	2,210.77	8,382.89	8,360.56	22.33	375.453		
3,800.00	3,573.37	1,116.00	1,099.23	21.90	4.70	106.52	-7,305.00	2,213.48	8,431.02	8,407.81	23.21	363.231		
3,900.00	3,660.11	1,215.08	1,193.88	22.84	5.28	106.89	-7,333.49	2,220.21	8,479.45	8,455.07	24.39	347.697		
4,000.00	3,746.86	1,235.09	1,212.98	23.78	5.40	106.96	-7,339.33	2,221.51	8,528.26	8,503.08	25.18	338.719		
4,100.00	3,833.61	1,263.06	1,239.64	24.73	5.56	107.07	-7,347.59	2,223.34	8,577.70	8,551.70	26.00	329.866		
4,200.00	3,920.35	1,291.00	1,266.22	25.68	5.73	107.17	-7,356.00	2,225.19	8,627.77	8,600.95	26.82	321.635		
4,300.00	4,007.10	1,322.80	1,296.42	26.63	5.93	107.29	-7,365.72	2,227.35	8,678.45	8,650.78	27.66	313.735		
4,400.00	4,093.85	1,354.65	1,326.62	27.59	6.12	107.41	-7,375.59	2,229.60	8,729.70	8,701.20	28.49	306.362		
4,500.00	4,180.60	1,378.00	1,348.72	28.55	6.27	107.49	-7,382.92	2,231.31	8,781.52	8,752.25	29.28	299.929		
4,600.00	4,267.34	1,416.84	1,385.43	29.50	6.52	107.63	-7,395.26	2,234.31	8,833.90	8,803.76	30.14	293.084		
4,700.00	4,354.09	1,466.00	1,431.75	30.46	6.83	107.81	-7,411.17	2,238.50	8,886.89	8,855.83	31.06	286.158		
4,800.00	4,440.84	1,466.00	1,431.75	31.42	6.83	107.81	-7,411.17	2,238.50	8,940.35	8,908.65	31.70	282.041		
4,900.00	4,527.58	1,466.00	1,431.75	32.39	6.83	107.81	-7,411.17	2,238.50	8,994.60	8,962.27	32.33	278.184		
5,000.00	4,614.33	1,508.89	1,472.00	33.35	7.12	107.96	-7,425.49	2,242.31	9,049.21	9,016.01	33.20	272.555		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,701.08	1,553.00	1,513.16	34.31	7.42	108.12	-7,440.87	2,246.19	9,104.76	9,070.69	34.07	267.217		
5,200.00	4,787.82	1,553.00	1,513.16	35.28	7.42	108.12	-7,440.87	2,246.19	9,160.61	9,125.93	34.69	264.098		
5,300.00	4,874.57	1,553.00	1,513.16	36.25	7.42	108.12	-7,440.87	2,246.19	9,217.21	9,181.92	35.29	261.171		
5,400.00	4,961.32	1,584.39	1,542.32	37.21	7.64	108.23	-7,452.17	2,248.86	9,274.37	9,238.29	36.07	257.094		
5,500.00	5,048.07	1,605.37	1,561.77	38.18	7.79	108.30	-7,459.86	2,250.57	9,332.10	9,295.31	36.79	253.667		
5,600.00	5,134.81	1,640.00	1,593.77	39.15	8.03	108.42	-7,472.82	2,253.23	9,390.41	9,352.83	37.58	249.883		
5,700.00	5,221.56	1,640.00	1,593.77	40.12	8.03	108.42	-7,472.82	2,253.23	9,449.21	9,411.05	38.16	247.648		
5,800.00	5,308.31	1,678.79	1,629.51	41.09	8.31	108.56	-7,487.62	2,256.04	9,508.50	9,469.54	38.96	244.052		
5,900.00	5,395.05	1,728.00	1,674.74	42.06	8.67	108.74	-7,506.72	2,259.39	9,568.32	9,528.49	39.83	240.255		
6,000.00	5,481.80	6,000.00	2,288.12	43.03	37.70	111.00	-7,744.88	2,303.32	9,628.03	9,568.18	59.86	160.853		
6,100.00	5,568.55	2,478.12	2,373.29	44.00	13.95	111.30	-7,774.55	2,308.52	9,683.52	9,638.01	45.51	212.763		
6,200.00	5,655.30	2,690.42	2,574.02	44.97	15.35	112.00	-7,842.96	2,318.36	9,738.54	9,691.20	47.34	205.730		
6,300.00	5,742.04	2,714.66	2,596.96	45.94	15.51	112.08	-7,850.70	2,319.35	9,793.53	9,745.46	48.07	203.745		
6,400.00	5,828.79	2,740.62	2,621.50	46.92	15.69	112.16	-7,859.09	2,320.67	9,849.03	9,800.23	48.80	201.811		
6,500.00	5,915.54	2,775.00	2,653.91	47.89	15.91	112.27	-7,870.35	2,322.79	9,905.05	9,855.47	49.58	199.762		
6,600.00	6,002.28	2,832.40	2,707.96	48.86	16.30	112.45	-7,889.27	2,326.85	9,961.44	9,910.94	50.51	197.236		
8,900.00	7,630.00	7,926.00	7,646.41	59.61	39.60	86.43	-8,783.59	2,446.60	9,936.15	9,851.90	84.25	117.935		
9,000.00	7,630.00	7,926.00	7,646.41	59.15	39.60	86.43	-8,783.59	2,446.60	9,836.15	9,751.90	84.25	116.744		
9,100.00	7,630.00	7,926.00	7,646.41	58.71	39.60	86.43	-8,783.59	2,446.60	9,736.16	9,651.90	84.26	115.552		
9,200.00	7,630.00	7,926.00	7,646.41	58.30	39.60	86.43	-8,783.59	2,446.60	9,636.16	9,551.90	84.26	114.359		
9,300.00	7,630.00	7,926.00	7,646.41	57.91	39.60	86.43	-8,783.59	2,446.60	9,536.17	9,451.90	84.27	113.165		
9,400.00	7,630.00	7,926.00	7,646.41	57.54	39.60	86.43	-8,783.59	2,446.60	9,436.17	9,351.90	84.27	111.971		
9,500.00	7,630.00	7,926.00	7,646.41	57.19	39.60	86.43	-8,783.59	2,446.60	9,336.18	9,251.90	84.28	110.776		
9,600.00	7,630.00	7,926.00	7,646.41	56.87	39.60	86.43	-8,783.59	2,446.60	9,236.18	9,151.89	84.29	109.580		
9,700.00	7,630.00	7,926.00	7,646.41	56.57	39.60	86.43	-8,783.59	2,446.60	9,136.18	9,051.89	84.29	108.384		
9,800.00	7,630.00	7,926.00	7,646.41	56.30	39.60	86.43	-8,783.59	2,446.60	9,036.19	8,951.89	84.30	107.186		
9,900.00	7,630.00	7,926.00	7,646.41	56.05	39.60	86.43	-8,783.59	2,446.60	8,936.19	8,851.88	84.31	105.989		
10,000.00	7,630.00	7,926.00	7,646.41	55.82	39.60	86.43	-8,783.59	2,446.60	8,836.20	8,751.88	84.32	104.790		
10,100.00	7,630.00	7,926.00	7,646.41	55.63	39.60	86.43	-8,783.59	2,446.60	8,736.20	8,651.87	84.33	103.591		
10,200.00	7,630.00	7,926.00	7,646.41	55.46	39.60	86.43	-8,783.59	2,446.60	8,636.21	8,551.87	84.34	102.392		
10,300.00	7,630.00	7,926.00	7,646.41	55.32	39.60	86.43	-8,783.59	2,446.60	8,536.22	8,451.86	84.36	101.192		
10,400.00	7,630.00	7,926.00	7,646.41	55.22	39.60	86.43	-8,783.59	2,446.60	8,436.22	8,351.85	84.37	99.991		
10,500.00	7,630.00	7,926.00	7,646.41	55.15	39.60	86.43	-8,783.59	2,446.60	8,336.23	8,251.84	84.38	98.790		
10,600.00	7,630.00	7,926.00	7,646.41	55.14	39.60	86.43	-8,783.59	2,446.60	8,236.23	8,151.84	84.40	97.588		
10,700.00	7,630.00	7,926.00	7,646.41	55.18	39.60	86.43	-8,783.59	2,446.60	8,136.24	8,051.83	84.41	96.386		
10,800.00	7,630.00	7,926.00	7,646.41	55.28	39.60	86.43	-8,783.59	2,446.60	8,036.24	7,951.82	84.43	95.184		
10,900.00	7,630.00	7,926.00	7,646.41	55.47	39.60	86.43	-8,783.59	2,446.60	7,936.25	7,851.81	84.45	93.981		
11,000.00	7,630.00	7,926.00	7,646.41	55.74	39.60	86.43	-8,783.59	2,446.60	7,836.26	7,751.79	84.46	92.777		
11,100.00	7,630.00	7,926.00	7,646.41	56.11	39.60	86.43	-8,783.59	2,446.60	7,736.26	7,651.78	84.48	91.574		
11,200.00	7,630.00	7,926.00	7,646.41	56.60	39.60	86.43	-8,783.59	2,446.60	7,636.27	7,551.77	84.50	90.370		
11,300.00	7,630.00	7,926.00	7,646.41	57.20	39.60	86.43	-8,783.59	2,446.60	7,536.28	7,451.76	84.52	89.165		
11,400.00	7,630.00	7,926.00	7,646.41	57.91	39.60	86.43	-8,783.59	2,446.60	7,436.29	7,351.74	84.54	87.960		
11,500.00	7,630.00	7,926.00	7,646.41	58.72	39.60	86.43	-8,783.59	2,446.60	7,336.29	7,251.73	84.56	86.755		
11,600.00	7,630.00	7,926.00	7,646.41	59.63	39.60	86.43	-8,783.59	2,446.60	7,236.30	7,151.71	84.59	85.550		
11,700.00	7,630.00	7,926.00	7,646.41	60.61	39.60	86.43	-8,783.59	2,446.60	7,136.31	7,051.70	84.61	84.344		
11,800.00	7,630.00	7,926.00	7,646.41	61.67	39.60	86.43	-8,783.59	2,446.60	7,036.32	6,951.68	84.63	83.138		
11,900.00	7,630.00	7,926.00	7,646.41	62.78	39.60	86.43	-8,783.59	2,446.60	6,936.32	6,851.66	84.66	81.932		
12,000.00	7,630.00	7,926.00	7,646.41	63.95	39.60	86.43	-8,783.59	2,446.60	6,836.33	6,751.65	84.69	80.726		
12,100.00	7,630.00	7,926.00	7,646.41	65.16	39.60	86.43	-8,783.59	2,446.60	6,736.34	6,651.63	84.71	79.519		
12,200.00	7,630.00	7,926.00	7,646.41	66.41	39.60	86.43	-8,783.59	2,446.60	6,636.35	6,551.61	84.74	78.313		
12,300.00	7,630.00	7,926.00	7,646.41	67.68	39.60	86.43	-8,783.59	2,446.60	6,536.36	6,451.59	84.77	77.106		
12,400.00	7,630.00	7,926.00	7,646.41	68.99	39.60	86.43	-8,783.59	2,446.60	6,436.37	6,351.57	84.80	75.899		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
12,500.00	7,630.00	7,926.00	7,646.41	70.33	39.60	86.43	-8,783.59	2,446.60	6,336.38	6,251.55	84.83	74.692		
12,600.00	7,630.00	7,926.00	7,646.41	71.68	39.60	86.43	-8,783.59	2,446.60	6,236.39	6,151.52	84.87	73.485		
12,700.00	7,630.00	7,926.00	7,646.41	73.06	39.60	86.43	-8,783.59	2,446.60	6,136.40	6,051.50	84.90	72.278		
12,800.00	7,630.00	7,926.00	7,646.41	74.45	39.60	86.43	-8,783.59	2,446.60	6,036.41	5,951.48	84.94	71.071		
12,900.00	7,630.00	7,926.00	7,646.41	75.87	39.60	86.43	-8,783.59	2,446.60	5,936.42	5,851.45	84.97	69.864		
13,000.00	7,630.00	7,926.00	7,646.41	77.29	39.60	86.43	-8,783.59	2,446.60	5,836.43	5,751.42	85.01	68.657		
13,100.00	7,630.00	7,926.00	7,646.41	78.74	39.60	86.43	-8,783.59	2,446.60	5,736.45	5,651.40	85.05	67.450		
13,200.00	7,630.00	7,926.00	7,646.41	80.19	39.60	86.43	-8,783.59	2,446.60	5,636.46	5,551.37	85.09	66.243		
13,300.00	7,630.00	7,926.00	7,646.41	81.66	39.60	86.43	-8,783.59	2,446.60	5,536.47	5,451.34	85.13	65.036		
13,400.00	7,630.00	7,926.00	7,646.41	83.14	39.60	86.43	-8,783.59	2,446.60	5,436.48	5,351.31	85.17	63.829		
13,500.00	7,630.00	7,926.00	7,646.41	84.63	39.60	86.43	-8,783.59	2,446.60	5,336.50	5,251.28	85.22	62.622		
13,600.00	7,630.00	7,926.09	7,646.50	86.14	39.60	86.48	-8,783.59	2,446.60	5,236.51	5,151.25	85.26	61.415		
13,700.00	7,630.00	7,926.20	7,646.61	87.65	39.60	86.55	-8,783.59	2,446.60	5,136.53	5,051.21	85.31	60.208		
13,800.00	7,630.00	7,926.31	7,646.72	89.17	39.60	86.62	-8,783.59	2,446.60	5,036.54	4,951.18	85.36	59.001		
13,900.00	7,630.00	7,926.42	7,646.83	90.70	39.60	86.69	-8,783.59	2,446.61	4,936.56	4,851.14	85.41	57.795		
14,000.00	7,630.00	7,926.53	7,646.94	92.24	39.60	86.77	-8,783.59	2,446.61	4,836.58	4,751.11	85.47	56.589		
14,100.00	7,630.00	7,926.64	7,647.05	93.78	39.60	86.84	-8,783.59	2,446.61	4,736.59	4,651.07	85.52	55.383		
14,200.00	7,630.00	7,926.76	7,647.17	95.33	39.60	86.91	-8,783.59	2,446.61	4,636.61	4,551.03	85.58	54.177		
14,300.00	7,630.00	7,926.87	7,647.28	96.89	39.61	86.98	-8,783.59	2,446.61	4,536.63	4,450.99	85.64	52.972		
14,400.00	7,630.00	7,926.99	7,647.40	98.46	39.61	87.06	-8,783.59	2,446.61	4,436.65	4,350.95	85.71	51.766		
14,500.00	7,630.00	7,927.10	7,647.51	100.03	39.61	87.13	-8,783.59	2,446.61	4,336.67	4,250.90	85.77	50.562		
14,600.00	7,630.00	7,927.22	7,647.63	101.61	39.61	87.20	-8,783.59	2,446.62	4,236.69	4,150.86	85.84	49.357		
14,700.00	7,630.00	7,927.33	7,647.74	103.20	39.61	87.28	-8,783.59	2,446.62	4,136.72	4,050.81	85.91	48.153		
14,800.00	7,630.00	7,927.45	7,647.86	104.78	39.61	87.35	-8,783.59	2,446.62	4,036.74	3,950.76	85.98	46.949		
14,900.00	7,630.00	7,927.57	7,647.98	106.38	39.61	87.43	-8,783.59	2,446.62	3,936.77	3,850.71	86.06	45.746		
15,000.00	7,630.00	7,927.69	7,648.10	107.98	39.61	87.50	-8,783.59	2,446.62	3,836.79	3,750.66	86.14	44.543		
15,100.00	7,630.00	7,927.81	7,648.22	109.58	39.61	87.58	-8,783.59	2,446.62	3,736.82	3,650.60	86.22	43.340		
15,200.00	7,630.00	7,927.93	7,648.34	111.19	39.61	87.66	-8,783.59	2,446.62	3,636.85	3,550.54	86.31	42.138		
15,300.00	7,630.00	7,928.05	7,648.46	112.81	39.61	87.73	-8,783.59	2,446.63	3,536.88	3,450.48	86.40	40.937		
15,400.00	7,630.00	7,928.17	7,648.58	114.42	39.61	87.81	-8,783.59	2,446.63	3,436.91	3,350.42	86.49	39.736		
15,500.00	7,630.00	7,928.29	7,648.70	116.05	39.61	87.89	-8,783.59	2,446.63	3,336.95	3,250.35	86.59	38.535		
15,600.00	7,630.00	7,928.41	7,648.82	117.67	39.61	87.97	-8,783.59	2,446.63	3,236.99	3,150.29	86.70	37.335		
15,700.00	7,630.00	7,928.53	7,648.95	119.30	39.61	88.05	-8,783.59	2,446.63	3,137.03	3,050.21	86.81	36.136		
15,800.00	7,630.00	7,928.66	7,649.07	120.93	39.61	88.12	-8,783.59	2,446.63	3,037.07	2,950.14	86.93	34.937		
15,900.00	7,630.00	7,928.78	7,649.19	122.57	39.61	88.20	-8,783.59	2,446.64	2,937.11	2,850.06	87.05	33.739		
16,000.00	7,630.00	7,928.91	7,649.32	124.21	39.61	88.28	-8,783.59	2,446.64	2,837.16	2,749.97	87.19	32.541		
16,100.00	7,630.00	7,929.03	7,649.45	125.85	39.61	88.36	-8,783.59	2,446.64	2,737.21	2,649.88	87.33	31.344		
16,200.00	7,630.00	7,929.16	7,649.57	127.50	39.61	88.45	-8,783.59	2,446.64	2,637.27	2,549.79	87.48	30.148		
16,300.00	7,630.00	7,929.29	7,649.70	129.15	39.61	88.53	-8,783.59	2,446.64	2,537.33	2,449.69	87.64	28.952		
16,400.00	7,630.00	7,929.42	7,649.83	130.80	39.61	88.61	-8,783.59	2,446.64	2,437.39	2,349.58	87.81	27.757		
16,500.00	7,630.00	7,929.55	7,649.96	132.46	39.61	88.69	-8,783.59	2,446.65	2,337.46	2,249.47	88.00	26.563		
16,600.00	7,630.00	7,929.68	7,650.09	134.11	39.61	88.78	-8,783.59	2,446.65	2,237.54	2,149.34	88.20	25.370		
16,700.00	7,630.00	7,929.81	7,650.22	135.77	39.61	88.86	-8,783.59	2,446.65	2,137.62	2,049.21	88.42	24.177		
16,800.00	7,630.00	7,929.94	7,650.35	137.43	39.61	88.94	-8,783.59	2,446.65	2,037.72	1,949.06	88.65	22.985		
16,900.00	7,630.00	7,930.07	7,650.48	139.10	39.61	89.03	-8,783.59	2,446.65	1,937.82	1,848.90	88.91	21.794		
17,000.00	7,630.00	7,930.20	7,650.61	140.77	39.61	89.11	-8,783.59	2,446.65	1,837.93	1,748.73	89.20	20.604		
17,100.00	7,630.00	7,930.34	7,650.75	142.44	39.61	89.20	-8,783.59	2,446.66	1,738.05	1,648.53	89.52	19.415		
17,200.00	7,630.00	7,930.47	7,650.88	144.11	39.61	89.28	-8,783.59	2,446.66	1,638.20	1,548.32	89.88	18.226		
17,300.00	7,630.00	7,930.61	7,651.02	145.78	39.61	89.37	-8,783.59	2,446.66	1,538.35	1,448.07	90.28	17.039		
17,400.00	7,630.00	7,930.74	7,651.15	147.46	39.61	89.46	-8,783.59	2,446.66	1,438.54	1,347.79	90.74	15.853		
17,500.00	7,630.00	7,930.88	7,651.29	149.13	39.62	89.55	-8,783.59	2,446.66	1,338.74	1,247.47	91.27	14.668		
17,600.00	7,630.00	7,931.02	7,651.43	150.81	39.62	89.63	-8,783.60	2,446.66	1,238.99	1,147.10	91.88	13.484		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<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	
17,700.00	7,630.00	7,931.16	7,651.57	152.49	39.62	89.72	-8,783.60	2,446.67	1,139.27	1,046.66	92.61	12.302	
17,800.00	7,630.00	7,931.30	7,651.71	154.18	39.62	89.81	-8,783.60	2,446.67	1,039.61	946.13	93.48	11.121	
17,900.00	7,630.00	7,931.44	7,651.85	155.86	39.62	89.90	-8,783.60	2,446.67	940.02	845.48	94.54	9.943	
18,000.00	7,630.00	7,931.58	7,651.99	157.55	39.62	89.99	-8,783.60	2,446.67	840.53	744.66	95.87	8.768	
18,100.00	7,630.00	7,931.72	7,652.13	159.24	39.62	90.08	-8,783.60	2,446.67	741.17	643.59	97.58	7.596	
18,200.00	7,630.00	7,931.86	7,652.27	160.92	39.62	90.17	-8,783.60	2,446.68	642.01	542.16	99.86	6.429	
18,300.00	7,630.00	7,932.01	7,652.42	162.62	39.62	90.27	-8,783.60	2,446.68	543.17	440.13	103.04	5.272	
18,400.00	7,630.00	7,932.15	7,652.56	164.31	39.62	90.36	-8,783.60	2,446.68	444.84	337.09	107.75	4.129	
18,458.39	7,630.00	7,932.24	7,652.65	165.30	39.62	90.41	-8,783.60	2,446.68	387.82	276.14	111.68	3.473	CC, ES, SF



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	163.14	-7,118.83	2,157.76	7,438.69					
100.00	100.00	43.01	43.00	0.13	0.08	163.13	-7,118.94	2,158.18	7,439.30	7,439.10	0.20	N/A		
200.00	200.00	74.00	73.98	0.49	0.14	163.13	-7,119.15	2,159.01	7,440.81	7,440.20	0.61	N/A		
300.00	300.00	117.81	117.76	0.85	0.29	163.12	-7,119.71	2,160.64	7,443.14	7,442.01	1.12	6,623.054		
400.00	400.00	166.00	165.89	1.21	0.45	163.10	-7,120.69	2,162.78	7,446.30	7,444.65	1.66	4,493.548		
500.00	500.00	218.00	217.81	1.57	0.64	163.09	-7,121.98	2,165.53	7,450.15	7,447.94	2.21	3,376.030		
600.00	600.00	300.17	299.77	1.93	0.95	163.05	-7,124.00	2,170.93	7,454.40	7,451.54	2.87	2,598.843		
700.00	700.00	349.00	348.43	2.29	1.14	163.03	-7,125.01	2,174.83	7,458.90	7,455.49	3.41	2,188.626		
800.00	800.00	407.00	406.18	2.64	1.37	162.99	-7,126.42	2,180.00	7,463.99	7,460.00	3.99	1,872.512		
900.00	900.00	440.00	439.02	3.00	1.49	162.97	-7,127.49	2,183.17	7,469.98	7,465.51	4.47	1,671.702		
1,000.00	1,000.00	473.80	472.60	3.36	1.63	162.95	-7,128.80	2,186.73	7,476.85	7,471.90	4.96	1,508.202		
1,100.00	1,100.00	533.00	531.28	3.72	1.88	162.90	-7,131.64	2,194.06	7,484.86	7,479.32	5.55	1,349.783		
1,200.00	1,199.98	533.45	531.72	4.07	1.88	111.66	-7,131.67	2,194.12	7,494.06	7,488.17	5.90	1,270.497		
1,300.00	1,299.84	624.66	621.81	4.43	2.27	111.40	-7,136.29	2,207.60	7,505.26	7,498.63	6.62	1,133.026		
1,400.00	1,399.45	671.96	668.38	4.79	2.49	111.13	-7,138.59	2,215.51	7,518.11	7,510.93	7.18	1,046.901		
1,500.00	1,498.70	720.25	715.80	5.15	2.71	110.83	-7,141.05	2,224.32	7,532.90	7,525.15	7.75	972.095		
1,600.00	1,597.47	799.08	792.82	5.53	3.09	110.50	-7,144.77	2,240.71	7,549.36	7,540.88	8.48	890.156		
1,700.00	1,695.62	833.99	826.74	5.93	3.28	110.14	-7,146.34	2,248.76	7,567.55	7,558.52	9.03	837.877		
1,800.00	1,793.06	865.17	856.98	6.35	3.44	109.76	-7,147.95	2,256.21	7,587.79	7,578.21	9.58	791.732		
1,900.00	1,889.64	893.00	883.90	6.79	3.59	109.33	-7,149.56	2,263.07	7,610.04	7,599.90	10.14	750.358		
2,000.00	1,985.27	945.98	934.95	7.27	3.88	108.88	-7,152.79	2,276.86	7,634.12	7,623.26	10.87	702.410		
2,100.00	2,079.82	980.00	967.57	7.79	4.08	108.39	-7,154.88	2,286.30	7,659.95	7,648.42	11.53	664.547		
2,200.00	2,173.17	1,031.00	1,016.18	8.36	4.38	107.88	-7,158.14	2,301.37	7,687.56	7,675.23	12.33	623.618		
2,300.00	2,265.21	1,060.92	1,044.56	8.97	4.57	107.32	-7,160.19	2,310.63	7,716.94	7,703.89	13.05	591.138		
2,400.00	2,355.84	1,108.34	1,089.41	9.64	4.87	106.74	-7,163.67	2,325.62	7,748.04	7,734.11	13.93	556.217		
2,500.00	2,444.94	1,183.00	1,160.11	10.36	5.36	106.18	-7,169.28	2,348.96	7,780.26	7,765.24	15.02	517.907		
2,591.69	2,525.19	1,224.93	1,199.77	11.07	5.64	105.62	-7,172.58	2,362.16	7,811.05	7,795.14	15.91	490.914		
2,600.00	2,532.40	1,227.47	1,202.17	11.14	5.65	105.62	-7,172.79	2,362.97	7,813.91	7,797.93	15.99	488.796		
2,700.00	2,619.15	1,270.00	1,242.17	11.96	5.94	105.69	-7,176.43	2,376.95	7,848.77	7,831.80	16.97	462.567		
2,800.00	2,705.89	2,800.00	1,367.50	12.81	16.78	105.90	-7,187.55	2,422.26	7,883.96	7,856.39	27.57	285.991		
2,900.00	2,792.64	1,557.09	1,511.09	13.67	7.97	106.12	-7,198.16	2,475.05	7,917.86	7,897.45	20.40	388.092		
3,000.00	2,879.39	1,619.00	1,568.88	14.55	8.43	106.20	-7,202.48	2,496.83	7,952.15	7,930.55	21.60	368.184		
3,100.00	2,966.14	1,690.90	1,635.84	15.44	8.96	106.30	-7,207.60	2,522.52	7,986.79	7,963.91	22.89	348.994		
3,200.00	3,052.88	1,775.82	1,714.80	16.34	9.60	106.41	-7,213.46	2,553.22	8,021.44	7,997.16	24.28	330.336		
3,300.00	3,139.63	1,867.78	1,800.28	17.25	10.30	106.52	-7,219.88	2,586.51	8,056.21	8,030.47	25.75	312.922		
3,400.00	3,226.38	1,950.44	1,877.04	18.17	10.93	106.62	-7,225.62	2,616.61	8,091.04	8,063.89	27.15	298.017		
3,500.00	3,313.12	2,006.10	1,928.68	19.09	11.36	106.69	-7,229.59	2,637.01	8,126.15	8,097.79	28.36	286.585		
3,600.00	3,399.87	2,056.00	1,974.93	20.02	11.74	106.75	-7,233.42	2,655.34	8,161.77	8,132.25	29.52	276.495		
3,700.00	3,486.62	2,149.88	2,061.98	20.96	12.47	106.87	-7,240.91	2,689.69	8,197.65	8,166.63	31.03	264.214		
3,800.00	3,573.37	2,230.00	2,136.46	21.90	13.09	106.97	-7,247.44	2,718.49	8,233.55	8,201.12	32.42	253.938		
3,900.00	3,660.11	2,277.82	2,180.96	22.84	13.45	107.03	-7,251.55	2,735.52	8,269.80	8,236.24	33.57	246.360		
4,000.00	3,746.86	2,339.84	2,238.60	23.78	13.93	107.11	-7,257.31	2,757.67	8,306.65	8,271.82	34.82	238.534		
4,100.00	3,833.61	2,478.14	2,366.98	24.73	15.00	107.28	-7,269.34	2,807.66	8,343.09	8,306.40	36.69	227.389		
4,200.00	3,920.35	2,524.49	2,409.98	25.68	15.36	107.33	-7,273.39	2,824.48	8,379.75	8,341.92	37.83	221.519		
4,300.00	4,007.10	2,579.00	2,460.68	26.63	15.78	107.40	-7,278.74	2,843.80	8,417.04	8,378.02	39.03	215.669		
4,400.00	4,093.85	2,684.30	2,558.67	27.59	16.59	107.54	-7,289.19	2,880.88	8,454.51	8,413.88	40.62	208.117		
4,500.00	4,180.60	2,744.10	2,614.25	28.55	17.05	107.62	-7,295.04	2,902.17	8,491.96	8,450.10	41.86	202.846		
4,600.00	4,267.34	2,854.98	2,717.01	29.50	17.92	107.75	-7,305.78	2,942.40	8,529.56	8,486.03	43.53	195.956		
4,700.00	4,354.09	2,928.62	2,785.09	30.46	18.50	107.83	-7,312.77	2,969.60	8,567.16	8,522.26	44.90	190.806		
4,800.00	4,440.84	3,086.96	2,932.15	31.42	19.74	108.02	-7,327.65	3,026.38	8,604.38	8,557.42	46.95	183.253		
4,900.00	4,527.58	3,159.23	2,999.07	32.39	20.31	108.10	-7,334.08	3,052.90	8,641.45	8,593.13	48.32	178.854		
5,000.00	4,614.33	3,283.97	3,114.46	33.35	21.30	108.24	-7,345.21	3,098.95	8,678.66	8,628.54	50.12	173.152		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,701.08	3,338.45	3,164.94	34.31	21.73	108.30	-7,350.11	3,118.81	8,715.79	8,664.45	51.33	169.789		
5,200.00	4,787.82	3,390.68	3,213.19	35.28	22.15	108.35	-7,354.90	3,138.22	8,753.30	8,700.78	52.52	166.650		
5,300.00	4,874.57	3,452.00	3,269.86	36.25	22.64	108.42	-7,360.94	3,160.87	8,791.32	8,737.53	53.79	163.426		
5,400.00	4,961.32	3,486.92	3,302.15	37.21	22.92	108.46	-7,364.58	3,173.64	8,829.76	8,774.94	54.83	161.047		
5,500.00	5,048.07	5,500.00	3,481.83	38.18	39.15	108.67	-7,384.47	3,245.16	8,868.47	8,797.78	70.69	125.456		
5,600.00	5,134.81	3,762.96	3,557.12	39.15	25.13	108.75	-7,391.84	3,275.81	8,906.05	8,847.35	58.70	151.729		
5,700.00	5,221.56	3,802.00	3,593.04	40.12	25.45	108.79	-7,395.49	3,290.66	8,944.08	8,884.30	59.78	149.625		
5,800.00	5,308.31	3,832.97	3,621.52	41.09	25.71	108.82	-7,398.58	3,302.44	8,982.71	8,921.93	60.78	147.799		
5,900.00	5,395.05	5,316.85	5,048.55	42.06	34.35	111.31	-7,481.83	3,676.17	9,010.66	8,939.53	71.13	126.682		
6,000.00	5,481.80	5,389.23	5,120.58	43.03	34.59	111.49	-7,483.26	3,683.11	9,035.71	8,963.48	72.24	125.083		
6,100.00	5,568.55	5,721.53	5,452.44	44.00	35.41	112.43	-7,490.52	3,695.98	9,060.27	8,986.26	74.01	122.419		
6,200.00	5,655.30	5,826.40	5,557.30	44.97	35.62	112.74	-7,491.89	3,696.68	9,083.34	9,008.24	75.11	120.937		
6,300.00	5,742.04	5,948.93	5,679.82	45.94	35.87	113.10	-7,493.21	3,697.35	9,106.43	9,030.19	76.24	119.439		
6,400.00	5,828.79	6,093.07	5,823.96	46.92	36.16	113.52	-7,493.95	3,697.79	9,129.17	9,051.75	77.42	117.914		
6,500.00	5,915.54	6,186.07	5,916.96	47.89	36.34	113.80	-7,494.22	3,697.69	9,151.89	9,073.41	78.48	116.618		
6,600.00	6,002.28	6,331.92	6,062.81	48.86	36.62	114.23	-7,494.39	3,696.94	9,174.67	9,095.03	79.64	115.199		
6,700.00	6,089.03	6,488.89	6,219.77	49.83	36.92	114.68	-7,493.06	3,696.45	9,196.74	9,115.91	80.83	113.778		
6,800.00	6,175.78	6,595.81	6,326.68	50.81	37.14	114.99	-7,491.71	3,696.16	9,218.76	9,136.84	81.91	112.541		
6,900.00	6,262.53	6,709.58	6,440.44	51.78	37.37	115.32	-7,489.95	3,696.03	9,240.76	9,157.74	83.02	111.309		
7,000.00	6,349.27	6,833.24	6,564.07	52.76	37.63	115.67	-7,487.56	3,696.23	9,262.69	9,178.55	84.15	110.079		
7,100.00	6,436.02	6,967.95	6,698.74	53.73	37.92	116.04	-7,484.29	3,696.61	9,284.41	9,199.11	85.30	108.846		
7,200.00	6,522.77	7,033.38	6,764.15	54.71	38.07	116.22	-7,482.63	3,697.04	9,306.27	9,219.97	86.30	107.838		
7,300.00	6,609.51	7,109.57	6,840.31	55.68	38.24	116.43	-7,480.72	3,697.82	9,328.42	9,241.10	87.32	106.833		
7,400.00	6,696.26	7,195.93	6,926.64	56.66	38.44	116.66	-7,478.57	3,698.97	9,350.83	9,262.47	88.37	105.819		
7,500.00	6,783.01	7,283.82	7,014.49	57.63	38.64	116.90	-7,476.37	3,700.27	9,373.43	9,284.02	89.42	104.830		
7,600.00	6,869.76	7,344.73	7,075.37	58.61	38.79	117.06	-7,474.90	3,701.28	9,396.33	9,305.94	90.40	103.946		
7,683.49	6,942.18	7,392.63	7,123.26	59.42	38.91	117.19	-7,473.88	3,702.18	9,415.81	9,324.60	91.20	103.239		
7,700.00	6,956.57	7,402.14	7,132.76	59.58	38.93	114.83	-7,473.69	3,702.36	9,419.47	9,328.11	91.36	103.099		
7,750.00	7,000.85	7,431.38	7,161.99	60.04	39.01	106.65	-7,473.14	3,702.97	9,427.81	9,335.97	91.84	102.652		
7,800.00	7,045.94	7,468.00	7,198.60	60.46	39.10	96.97	-7,472.51	3,703.77	9,431.99	9,339.66	92.33	102.151		
7,850.00	7,091.49	7,491.58	7,222.17	60.84	39.16	86.14	-7,472.14	3,704.32	9,431.96	9,339.18	92.78	101.661		
7,900.00	7,137.15	7,522.25	7,252.82	61.17	39.24	74.97	-7,471.70	3,705.07	9,427.73	9,334.51	93.22	101.129		
7,950.00	7,182.58	7,552.76	7,283.32	61.44	39.32	64.33	-7,471.30	3,705.85	9,419.32	9,325.68	93.65	100.585		
8,000.00	7,227.43	7,582.89	7,313.44	61.67	39.40	54.88	-7,470.95	3,706.67	9,406.80	9,312.76	94.04	100.031		
8,050.00	7,271.36	7,612.43	7,342.96	61.84	39.47	46.85	-7,470.66	3,707.51	9,390.24	9,295.83	94.40	99.471		
8,100.00	7,314.04	7,643.00	7,373.52	61.96	39.56	40.20	-7,470.39	3,708.42	9,369.76	9,275.02	94.74	98.901		
8,150.00	7,355.14	7,670.43	7,400.94	62.04	39.63	34.69	-7,470.19	3,709.25	9,345.50	9,250.46	95.04	98.333		
8,200.00	7,394.34	7,698.48	7,428.98	62.07	39.71	30.10	-7,470.02	3,710.10	9,317.63	9,222.32	95.31	97.759		
8,250.00	7,431.36	7,724.99	7,455.47	62.06	39.78	26.18	-7,469.89	3,710.90	9,286.36	9,190.81	95.55	97.186		
8,300.00	7,465.90	7,749.76	7,480.23	62.01	39.84	22.73	-7,469.80	3,711.64	9,251.90	9,156.14	95.76	96.616		
8,350.00	7,497.71	7,772.60	7,503.06	61.93	39.91	19.55	-7,469.74	3,712.32	9,214.50	9,118.56	95.93	96.050		
8,400.00	7,526.53	7,793.35	7,523.80	61.81	39.96	16.46	-7,469.71	3,712.94	9,174.43	9,078.36	96.08	95.492		
8,450.00	7,552.17	7,817.00	7,547.44	61.66	40.03	13.23	-7,469.69	3,713.64	9,132.00	9,035.80	96.20	94.925		
8,500.00	7,574.41	7,838.74	7,569.17	61.48	40.09	9.50	-7,469.68	3,714.28	9,087.50	8,991.20	96.30	94.368		
8,550.00	7,593.09	7,865.56	7,595.98	61.29	40.16	4.69	-7,469.66	3,715.03	9,041.23	8,944.85	96.39	93.799		
8,600.00	7,608.07	7,886.94	7,617.35	61.07	40.22	-2.44	-7,469.62	3,715.61	8,993.58	8,897.13	96.44	93.252		
8,650.00	7,619.23	7,902.76	7,633.17	60.84	40.26	-14.75	-7,469.58	3,716.03	8,944.89	8,848.42	96.46	92.728		
8,700.00	7,626.48	7,912.94	7,643.35	60.60	40.29	-38.85	-7,469.56	3,716.29	8,895.55	8,799.10	96.45	92.229		
8,750.00	7,629.78	7,917.45	7,647.85	60.35	40.30	-77.69	-7,469.54	3,716.41	8,845.94	8,749.54	96.41	91.757		
8,766.45	7,630.00	7,917.68	7,648.09	60.27	40.30	-89.81	-7,469.54	3,716.41	8,829.63	8,733.25	96.38	91.608		
8,800.00	7,630.00	7,917.54	7,647.95	60.10	40.30	-89.80	-7,469.54	3,716.41	8,796.38	8,700.04	96.34	91.307		
8,900.00	7,630.00	7,917.13	7,647.53	59.61	40.30	-89.78	-7,469.54	3,716.40	8,697.29	8,601.09	96.20	90.409		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
9,000.00	7,630.00	7,916.72	7,647.12	59.15	40.30	-89.76	-7,469.55	3,716.39	8,598.22	8,502.16	96.06	89.511		
9,100.00	7,630.00	7,916.31	7,646.72	58.71	40.30	-89.74	-7,469.55	3,716.38	8,499.17	8,403.25	95.91	88.612		
9,200.00	7,630.00	7,915.91	7,646.31	58.30	40.29	-89.72	-7,469.55	3,716.37	8,400.14	8,304.37	95.77	87.713		
9,300.00	7,630.00	7,915.51	7,645.91	57.91	40.29	-89.70	-7,469.55	3,716.36	8,301.14	8,205.52	95.62	86.813		
9,400.00	7,630.00	7,915.11	7,645.51	57.54	40.29	-89.68	-7,469.55	3,716.35	8,202.16	8,106.69	95.47	85.914		
9,500.00	7,630.00	7,914.71	7,645.12	57.19	40.29	-89.66	-7,469.55	3,716.34	8,103.20	8,007.89	95.32	85.013		
9,600.00	7,630.00	7,914.32	7,644.73	56.87	40.29	-89.65	-7,469.55	3,716.33	8,004.27	7,909.11	95.16	84.112		
9,700.00	7,630.00	7,913.93	7,644.34	56.57	40.29	-89.63	-7,469.55	3,716.32	7,905.37	7,810.37	95.00	83.211		
9,800.00	7,630.00	7,913.55	7,643.95	56.30	40.29	-89.61	-7,469.55	3,716.31	7,806.50	7,711.66	94.84	82.309		
9,900.00	7,630.00	7,913.16	7,643.57	56.05	40.29	-89.59	-7,469.56	3,716.30	7,707.65	7,612.97	94.68	81.407		
10,000.00	7,630.00	7,912.78	7,643.19	55.82	40.29	-89.57	-7,469.56	3,716.29	7,608.84	7,514.33	94.51	80.505		
10,100.00	7,630.00	7,912.40	7,642.81	55.63	40.28	-89.55	-7,469.56	3,716.28	7,510.06	7,415.71	94.35	79.602		
10,200.00	7,630.00	7,912.03	7,642.43	55.46	40.28	-89.53	-7,469.56	3,716.27	7,411.31	7,317.13	94.17	78.699		
10,300.00	7,630.00	7,911.66	7,642.06	55.32	40.28	-89.52	-7,469.56	3,716.26	7,312.59	7,218.59	94.00	77.795		
10,400.00	7,630.00	7,911.29	7,641.69	55.22	40.28	-89.50	-7,469.56	3,716.25	7,213.91	7,120.09	93.82	76.890		
10,500.00	7,630.00	7,910.92	7,641.32	55.15	40.28	-89.48	-7,469.56	3,716.24	7,115.26	7,021.63	93.64	75.986		
10,600.00	7,630.00	7,910.55	7,640.96	55.14	40.28	-89.46	-7,469.56	3,716.23	7,016.66	6,923.20	93.46	75.080		
10,700.00	7,630.00	7,910.19	7,640.60	55.18	40.28	-89.44	-7,469.56	3,716.22	6,918.09	6,824.83	93.27	74.174		
10,800.00	7,630.00	7,909.83	7,640.24	55.28	40.28	-89.43	-7,469.57	3,716.21	6,819.57	6,726.49	93.08	73.268		
10,900.00	7,630.00	7,909.48	7,639.88	55.47	40.28	-89.41	-7,469.57	3,716.20	6,721.09	6,628.21	92.88	72.361		
11,000.00	7,630.00	7,909.12	7,639.53	55.74	40.28	-89.39	-7,469.57	3,716.19	6,622.65	6,529.97	92.69	71.453		
11,100.00	7,630.00	7,908.77	7,639.18	56.11	40.28	-89.37	-7,469.57	3,716.19	6,524.27	6,431.78	92.48	70.545		
11,200.00	7,630.00	7,908.42	7,638.83	56.60	40.27	-89.36	-7,469.57	3,716.18	6,425.93	6,333.65	92.28	69.636		
11,300.00	7,630.00	7,908.07	7,638.48	57.20	40.27	-89.34	-7,469.57	3,716.17	6,327.64	6,235.57	92.07	68.726		
11,400.00	7,630.00	7,907.73	7,638.14	57.91	40.27	-89.32	-7,469.57	3,716.16	6,229.41	6,137.55	91.86	67.816		
11,500.00	7,630.00	7,907.39	7,637.79	58.72	40.27	-89.31	-7,469.57	3,716.15	6,131.24	6,039.60	91.64	66.904		
11,600.00	7,630.00	7,907.05	7,637.45	59.63	40.27	-89.29	-7,469.57	3,716.14	6,033.12	5,941.70	91.42	65.992		
11,700.00	7,630.00	7,906.71	7,637.12	60.61	40.27	-89.27	-7,469.57	3,716.13	5,935.07	5,843.87	91.20	65.078		
11,800.00	7,630.00	7,906.38	7,636.78	61.67	40.27	-89.26	-7,469.57	3,716.12	5,837.09	5,746.12	90.97	64.164		
11,900.00	7,630.00	7,906.04	7,636.45	62.78	40.27	-89.24	-7,469.57	3,716.12	5,739.17	5,648.43	90.74	63.248		
12,000.00	7,630.00	7,905.71	7,636.12	63.95	40.27	-89.23	-7,469.58	3,716.11	5,641.33	5,550.82	90.51	62.331		
12,100.00	7,630.00	7,905.39	7,635.79	65.16	40.27	-89.21	-7,469.58	3,716.10	5,543.57	5,453.30	90.27	61.412		
12,200.00	7,630.00	7,905.06	7,635.47	66.41	40.27	-89.19	-7,469.58	3,716.09	5,445.88	5,355.85	90.03	60.492		
12,300.00	7,630.00	7,904.74	7,635.14	67.68	40.26	-89.18	-7,469.58	3,716.08	5,348.28	5,258.50	89.78	59.570		
12,400.00	7,630.00	7,904.41	7,634.82	68.99	40.26	-89.16	-7,469.58	3,716.07	5,250.77	5,161.24	89.53	58.646		
12,500.00	7,630.00	7,904.09	7,634.50	70.33	40.26	-89.15	-7,469.58	3,716.06	5,153.36	5,064.08	89.28	57.720		
12,600.00	7,630.00	7,903.78	7,634.18	71.68	40.26	-89.13	-7,469.58	3,716.06	5,056.05	4,967.02	89.03	56.791		
12,700.00	7,630.00	7,903.46	7,633.87	73.06	40.26	-89.12	-7,469.58	3,716.05	4,958.85	4,870.07	88.77	55.860		
12,800.00	7,630.00	7,903.15	7,633.56	74.45	40.26	-89.10	-7,469.58	3,716.04	4,861.75	4,773.24	88.52	54.925		
12,900.00	7,630.00	7,902.84	7,633.25	75.87	40.26	-89.09	-7,469.58	3,716.03	4,764.78	4,676.53	88.26	53.987		
13,000.00	7,630.00	7,902.53	7,632.94	77.29	40.26	-89.07	-7,469.58	3,716.02	4,667.94	4,579.94	88.00	53.046		
13,100.00	7,630.00	7,902.22	7,632.63	78.74	40.26	-89.06	-7,469.58	3,716.02	4,571.23	4,483.49	87.74	52.100		
13,200.00	7,630.00	7,901.92	7,632.33	80.19	40.26	-89.04	-7,469.59	3,716.01	4,474.67	4,387.19	87.48	51.150		
13,300.00	7,630.00	7,901.62	7,632.02	81.66	40.26	-89.03	-7,469.59	3,716.00	4,378.26	4,291.04	87.23	50.194		
13,400.00	7,630.00	7,901.31	7,631.72	83.14	40.25	-89.01	-7,469.59	3,715.99	4,282.02	4,195.04	86.97	49.233		
13,500.00	7,630.00	7,901.02	7,631.42	84.63	40.25	-89.00	-7,469.59	3,715.98	4,185.95	4,099.22	86.73	48.265		
13,600.00	7,630.00	7,900.72	7,631.13	86.14	40.25	-88.98	-7,469.59	3,715.98	4,090.07	4,003.58	86.49	47.290		
13,700.00	7,630.00	7,900.42	7,630.83	87.65	40.25	-88.97	-7,469.59	3,715.97	3,994.40	3,908.14	86.26	46.307		
13,800.00	7,630.00	7,900.13	7,630.54	89.17	40.25	-88.95	-7,469.59	3,715.96	3,898.94	3,812.89	86.04	45.315		
13,900.00	7,630.00	7,899.84	7,630.25	90.70	40.25	-88.94	-7,469.59	3,715.95	3,803.71	3,717.87	85.84	44.313		
14,000.00	7,630.00	7,899.55	7,629.96	92.24	40.25	-88.93	-7,469.59	3,715.95	3,708.73	3,623.08	85.65	43.300		
14,100.00	7,630.00	7,899.26	7,629.67	93.78	40.25	-88.91	-7,469.59	3,715.94	3,614.03	3,528.54	85.49	42.275		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
14,200.00	7,630.00	7,898.98	7,629.38	95.33	40.25	-88.90	-7,469.59	3,715.93	3,519.62	3,434.26	85.35	41.236		
14,300.00	7,630.00	7,898.69	7,629.10	96.89	40.25	-88.88	-7,469.59	3,715.92	3,425.52	3,340.27	85.25	40.182		
14,400.00	7,630.00	7,898.41	7,628.82	98.46	40.25	-88.87	-7,469.59	3,715.92	3,331.77	3,246.59	85.19	39.112		
14,500.00	7,630.00	7,898.13	7,628.54	100.03	40.25	-88.86	-7,469.59	3,715.91	3,238.40	3,153.23	85.17	38.024		
14,600.00	7,630.00	7,897.85	7,628.26	101.61	40.25	-88.84	-7,469.59	3,715.90	3,145.43	3,060.23	85.20	36.917		
14,700.00	7,630.00	7,897.58	7,627.98	103.20	40.24	-88.83	-7,469.60	3,715.89	3,052.90	2,967.60	85.30	35.789		
14,800.00	7,630.00	7,897.30	7,627.71	104.78	40.24	-88.82	-7,469.60	3,715.89	2,960.87	2,875.39	85.48	34.639		
14,900.00	7,630.00	7,897.03	7,627.44	106.38	40.24	-88.80	-7,469.60	3,715.88	2,869.36	2,783.62	85.74	33.466		
15,000.00	7,630.00	7,896.76	7,627.16	107.98	40.24	-88.79	-7,469.60	3,715.87	2,778.44	2,692.34	86.10	32.268		
15,100.00	7,630.00	7,896.49	7,626.89	109.58	40.24	-88.78	-7,469.60	3,715.87	2,688.17	2,601.58	86.58	31.047		
15,200.00	7,630.00	7,896.22	7,626.63	111.19	40.24	-88.76	-7,469.60	3,715.86	2,598.60	2,511.40	87.20	29.800		
15,300.00	7,630.00	7,895.95	7,626.36	112.81	40.24	-88.75	-7,469.60	3,715.85	2,509.83	2,421.86	87.97	28.531		
15,400.00	7,630.00	7,895.69	7,626.09	114.42	40.24	-88.74	-7,469.60	3,715.85	2,421.93	2,333.02	88.91	27.240		
15,500.00	7,630.00	7,895.42	7,625.83	116.05	40.24	-88.72	-7,469.60	3,715.84	2,335.00	2,244.95	90.05	25.929		
15,600.00	7,630.00	7,895.16	7,625.57	117.67	40.24	-88.71	-7,469.60	3,715.83	2,249.16	2,157.75	91.41	24.604		
15,700.00	7,630.00	7,894.90	7,625.31	119.30	40.24	-88.70	-7,469.60	3,715.82	2,164.54	2,071.52	93.02	23.269		
15,800.00	7,630.00	7,894.64	7,625.05	120.93	40.24	-88.69	-7,469.60	3,715.82	2,081.28	1,986.38	94.90	21.931		
15,900.00	7,630.00	7,894.38	7,624.79	122.57	40.24	-88.67	-7,469.60	3,715.81	1,999.56	1,902.48	97.08	20.596		
16,000.00	7,630.00	7,894.13	7,624.54	124.21	40.24	-88.66	-7,469.60	3,715.80	1,919.57	1,819.98	99.59	19.274		
16,100.00	7,630.00	7,893.87	7,624.28	125.85	40.23	-88.65	-7,469.60	3,715.80	1,841.53	1,739.08	102.46	17.974		
16,200.00	7,630.00	7,893.62	7,624.03	127.50	40.23	-88.64	-7,469.60	3,715.79	1,765.71	1,660.02	105.70	16.705		
16,300.00	7,630.00	7,893.37	7,623.78	129.15	40.23	-88.62	-7,469.61	3,715.78	1,692.41	1,583.07	109.34	15.479		
16,400.00	7,630.00	7,893.12	7,623.53	130.80	40.23	-88.61	-7,469.61	3,715.78	1,621.96	1,508.56	113.40	14.303		
16,500.00	7,630.00	7,892.87	7,623.28	132.46	40.23	-88.60	-7,469.61	3,715.77	1,554.75	1,436.87	117.88	13.189		
16,600.00	7,630.00	7,892.63	7,623.04	134.11	40.23	-88.59	-7,469.61	3,715.76	1,491.22	1,368.43	122.79	12.144		
16,700.00	7,630.00	7,892.38	7,622.79	135.77	40.23	-88.58	-7,469.61	3,715.76	1,431.87	1,303.76	128.11	11.177		
16,800.00	7,630.00	7,892.14	7,622.55	137.43	40.23	-88.56	-7,469.61	3,715.75	1,377.22	1,243.42	133.81	10.293		
16,900.00	7,630.00	7,891.90	7,622.31	139.10	40.23	-88.55	-7,469.61	3,715.75	1,327.87	1,188.06	139.81	9.498		
17,000.00	7,630.00	7,891.66	7,622.07	140.77	40.23	-88.54	-7,469.61	3,715.74	1,284.42	1,138.38	146.04	8.795		
17,100.00	7,630.00	7,891.42	7,621.83	142.44	40.23	-88.53	-7,469.61	3,715.73	1,247.50	1,095.11	152.38	8.187		
17,200.00	7,630.00	7,891.18	7,621.59	144.11	40.23	-88.52	-7,469.61	3,715.73	1,217.68	1,059.00	158.68	7.674		
17,300.00	7,630.00	7,890.94	7,621.35	145.78	40.23	-88.51	-7,469.61	3,715.72	1,195.51	1,030.74	164.77	7.256		
17,400.00	7,630.00	7,890.71	7,621.12	147.46	40.23	-88.49	-7,469.61	3,715.71	1,181.42	1,010.97	170.45	6.931		
17,500.00	7,630.00	7,890.47	7,620.88	149.13	40.23	-88.48	-7,469.61	3,715.71	1,175.69	1,000.14	175.55	6.697		
17,517.51	7,630.00	7,890.43	7,620.84	149.43	40.23	-88.48	-7,469.61	3,715.71	1,175.56	999.19	176.37	6.665 CC		
17,600.00	7,630.00	7,890.24	7,620.65	150.81	40.23	-88.47	-7,469.61	3,715.70	1,178.45	998.54	179.91	6.550 ES		
17,700.00	7,630.00	7,890.01	7,620.42	152.49	40.22	-88.46	-7,469.61	3,715.70	1,189.64	1,006.22	183.41	6.486 SF		
17,800.00	7,630.00	7,889.78	7,620.19	154.18	40.22	-88.45	-7,469.61	3,715.69	1,209.02	1,023.01	186.01	6.500		
17,900.00	7,630.00	7,889.55	7,619.96	155.86	40.22	-88.44	-7,469.61	3,715.68	1,236.22	1,048.51	187.71	6.586		
18,000.00	7,630.00	7,889.32	7,619.73	157.55	40.22	-88.43	-7,469.61	3,715.68	1,270.72	1,082.17	188.55	6.739		
18,100.00	7,630.00	7,889.10	7,619.51	159.24	40.22	-88.42	-7,469.61	3,715.67	1,311.96	1,123.30	188.66	6.954		
18,200.00	7,630.00	7,888.87	7,619.28	160.92	40.22	-88.41	-7,469.61	3,715.67	1,359.31	1,171.18	188.13	7.225		
18,300.00	7,630.00	7,888.65	7,619.06	162.62	40.22	-88.39	-7,469.62	3,715.66	1,412.17	1,225.08	187.10	7.548		
18,400.00	7,630.00	7,888.43	7,618.84	164.31	40.22	-88.38	-7,469.62	3,715.65	1,469.94	1,284.27	185.67	7.917		
18,458.39	7,630.00	7,888.30	7,618.71	165.30	40.22	-88.38	-7,469.62	3,715.65	1,505.72	1,321.02	184.70	8.152		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	161.87	-5,369.91	1,758.24	5,650.43					
100.00	100.00	50.54	50.54	0.13	0.08	161.87	-5,370.15	1,758.11	5,650.77	5,650.55	0.21	N/A		
200.00	200.00	157.85	157.84	0.49	0.38	161.89	-5,371.59	1,757.13	5,651.79	5,650.91	0.87	6,465.617		
300.00	300.00	253.12	253.09	0.85	0.72	161.90	-5,372.51	1,755.89	5,652.31	5,650.73	1.57	3,591.340		
400.00	400.00	347.24	347.20	1.21	1.06	161.92	-5,373.68	1,754.66	5,653.08	5,650.81	2.27	2,489.362		
500.00	500.00	410.45	410.38	1.57	1.29	161.93	-5,374.73	1,753.55	5,654.14	5,651.28	2.86	1,978.418		
600.00	600.00	456.00	455.90	1.93	1.46	161.95	-5,376.00	1,752.24	5,655.99	5,652.61	3.38	1,672.684		
700.00	700.00	512.08	511.89	2.29	1.66	161.98	-5,378.26	1,750.06	5,658.70	5,654.75	3.95	1,434.158		
800.00	800.00	549.00	548.72	2.64	1.80	162.00	-5,380.20	1,748.31	5,662.36	5,657.93	4.44	1,275.596		
900.00	900.00	602.06	601.59	3.00	2.00	162.04	-5,383.64	1,745.45	5,666.97	5,661.98	4.99	1,134.575		
1,000.00	1,000.00	640.00	639.35	3.36	2.15	162.07	-5,386.58	1,743.21	5,672.60	5,667.11	5.49	1,032.677		
1,100.00	1,100.00	689.03	688.08	3.72	2.34	162.11	-5,390.96	1,740.06	5,679.21	5,673.18	6.04	940.822		
1,200.00	1,199.98	732.00	730.72	4.07	2.51	110.94	-5,395.35	1,737.04	5,687.44	5,680.89	6.55	867.913		
1,300.00	1,299.84	773.90	772.22	4.43	2.68	110.81	-5,400.14	1,733.83	5,697.92	5,690.86	7.07	806.136		
1,400.00	1,399.45	825.00	822.72	4.79	2.89	110.67	-5,406.70	1,729.56	5,710.68	5,703.06	7.62	749.137		
1,500.00	1,498.70	858.25	855.50	5.15	3.04	110.47	-5,411.37	1,726.53	5,725.63	5,717.51	8.12	705.449		
1,600.00	1,597.47	919.00	915.21	5.53	3.30	110.33	-5,420.68	1,720.38	5,742.82	5,734.09	8.73	657.535		
1,700.00	1,695.62	950.79	946.37	5.93	3.45	110.07	-5,425.91	1,716.85	5,762.05	5,752.80	9.25	623.053		
1,800.00	1,793.06	1,012.00	1,006.19	6.35	3.74	109.89	-5,436.54	1,709.46	5,783.35	5,773.45	9.91	583.644		
1,900.00	1,889.64	1,043.68	1,037.05	6.79	3.89	109.57	-5,442.37	1,705.31	5,806.70	5,796.23	10.47	554.681		
2,000.00	1,985.27	1,081.27	1,073.54	7.27	4.08	109.25	-5,449.68	1,700.02	5,832.23	5,821.15	11.08	526.493		
2,100.00	2,079.82	1,145.49	1,135.63	7.79	4.41	109.03	-5,462.87	1,690.25	5,859.87	5,848.02	11.85	494.508		
2,200.00	2,173.17	1,213.42	1,201.22	8.36	4.77	108.82	-5,476.82	1,679.42	5,888.94	5,876.26	12.68	464.390		
2,300.00	2,265.21	1,232.00	1,219.14	8.97	4.86	108.31	-5,480.77	1,676.47	5,920.17	5,906.87	13.30	445.045		
2,400.00	2,355.84	1,287.19	1,272.37	9.64	5.16	107.96	-5,492.77	1,668.23	5,953.42	5,939.28	14.14	420.900		
2,500.00	2,444.94	2,500.00	1,362.67	10.36	11.69	107.82	-5,512.79	1,655.90	5,988.22	5,967.72	20.50	292.052		
2,591.69	2,525.19	1,509.08	1,487.34	11.07	6.34	107.96	-5,539.40	1,639.10	6,020.91	6,004.46	16.45	366.111		
2,600.00	2,532.40	1,503.37	1,481.81	11.14	6.31	107.92	-5,538.24	1,639.88	6,023.94	6,007.47	16.47	365.658		
2,700.00	2,619.15	1,551.99	1,528.86	11.96	6.58	108.24	-5,548.40	1,633.09	6,060.75	6,043.36	17.39	348.461		
2,800.00	2,705.89	1,584.00	1,559.79	12.81	6.75	108.44	-5,555.23	1,628.44	6,098.45	6,080.21	18.24	334.393		
2,900.00	2,792.64	1,637.24	1,611.15	13.67	7.05	108.79	-5,566.86	1,620.61	6,137.01	6,117.81	19.20	319.600		
3,000.00	2,879.39	1,678.00	1,650.41	14.55	7.28	109.05	-5,576.00	1,614.60	6,176.51	6,156.41	20.11	307.204		
3,100.00	2,966.14	1,820.98	1,788.29	15.44	8.08	109.96	-5,607.78	1,594.08	6,216.61	6,195.06	21.55	288.514		
3,200.00	3,052.88	2,095.19	2,054.53	16.34	9.56	111.64	-5,661.47	1,556.39	6,254.88	6,231.23	23.65	264.496		
3,300.00	3,139.63	2,147.00	2,104.99	17.25	9.84	111.95	-5,670.82	1,549.29	6,292.94	6,268.33	24.61	255.707		
3,400.00	3,226.38	2,202.13	2,158.62	18.17	10.13	112.28	-5,680.96	1,541.53	6,331.73	6,306.14	25.59	247.433		
3,500.00	3,313.12	2,240.00	2,195.38	19.09	10.34	112.51	-5,688.21	1,536.04	6,371.47	6,344.99	26.48	240.645		
3,600.00	3,399.87	2,282.04	2,236.17	20.02	10.57	112.76	-5,696.47	1,530.07	6,412.07	6,384.69	27.38	234.191		
3,700.00	3,486.62	2,334.00	2,286.61	20.96	10.85	113.06	-5,706.87	1,523.21	6,453.49	6,425.16	28.33	227.800		
3,800.00	3,573.37	2,452.54	2,401.74	21.90	11.49	113.75	-5,730.39	1,507.60	6,495.33	6,465.71	29.62	219.316		
3,900.00	3,660.11	2,550.37	2,496.95	22.84	12.01	114.31	-5,748.96	1,494.84	6,536.87	6,506.08	30.79	212.298		
4,000.00	3,746.86	2,593.93	2,539.30	23.78	12.25	114.56	-5,757.33	1,489.10	6,579.07	6,547.39	31.68	207.670		
4,100.00	3,833.61	2,652.96	2,596.63	24.73	12.56	114.89	-5,768.92	1,481.13	6,621.99	6,589.34	32.64	202.849		
4,200.00	3,920.35	2,986.13	2,921.54	25.68	14.30	116.72	-5,828.53	1,438.03	6,664.53	6,629.54	34.99	190.452		
4,300.00	4,007.10	3,086.32	3,019.81	26.63	14.80	117.25	-5,844.09	1,426.20	6,705.28	6,669.13	36.14	185.529		
4,400.00	4,093.85	3,084.00	3,017.53	27.59	14.79	117.24	-5,843.74	1,426.47	6,746.73	6,709.95	36.78	183.426		
4,500.00	4,180.60	3,135.65	3,068.15	28.55	15.05	117.50	-5,852.05	1,420.47	6,788.81	6,751.13	37.68	180.171		
4,600.00	4,267.34	3,178.00	3,109.56	29.50	15.26	117.72	-5,859.44	1,415.54	6,832.04	6,793.52	38.52	177.343		
4,700.00	4,354.09	3,191.79	3,123.02	30.46	15.33	117.79	-5,861.94	1,413.94	6,876.04	6,836.82	39.22	175.329		
4,800.00	4,440.84	3,235.56	3,165.73	31.42	15.56	118.02	-5,870.00	1,408.78	6,920.84	6,880.79	40.06	172.779		
4,900.00	4,527.58	3,282.03	3,211.03	32.39	15.80	118.26	-5,878.76	1,403.19	6,966.33	6,925.42	40.90	170.319		
5,000.00	4,614.33	3,343.59	3,270.93	33.35	16.13	118.58	-5,890.52	1,395.22	7,012.36	6,970.54	41.82	167.670		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,701.08	3,391.25	3,317.21	34.31	16.39	118.83	-5,899.73	1,388.57	7,058.92	7,016.26	42.66	165.455		
5,200.00	4,787.82	3,431.66	3,356.42	35.28	16.61	119.04	-5,907.71	1,382.94	7,106.16	7,062.70	43.46	163.511		
5,300.00	4,874.57	3,459.00	3,382.94	36.25	16.76	119.18	-5,913.22	1,379.16	7,154.09	7,109.91	44.18	161.941		
5,400.00	4,961.32	3,459.00	3,382.94	37.21	16.76	119.18	-5,913.22	1,379.16	7,203.00	7,158.26	44.74	161.014		
5,500.00	5,048.07	3,509.73	3,432.05	38.18	17.05	119.44	-5,923.92	1,372.29	7,252.37	7,206.81	45.56	159.171		
5,600.00	5,134.81	3,553.00	3,473.82	39.15	17.29	119.66	-5,933.68	1,366.65	7,302.86	7,256.52	46.34	157.580		
5,700.00	5,221.56	5,334.00	5,226.36	40.12	24.71	127.03	-6,138.16	1,237.53	7,353.09	7,298.36	54.73	134.352		
5,800.00	5,308.31	5,445.48	5,337.83	41.09	24.98	127.38	-6,137.91	1,238.35	7,385.60	7,329.88	55.72	132.537		
5,900.00	5,395.05	5,557.68	5,450.03	42.06	25.24	127.74	-6,137.17	1,239.17	7,417.89	7,361.17	56.72	130.783		
6,000.00	5,481.80	5,663.56	5,555.90	43.03	25.50	128.07	-6,136.16	1,239.64	7,450.12	7,392.43	57.70	129.128		
6,100.00	5,568.55	5,776.00	5,668.34	44.00	25.77	128.43	-6,134.76	1,239.94	7,482.29	7,423.60	58.69	127.484		
6,200.00	5,655.30	5,883.65	5,775.97	44.97	26.03	128.76	-6,133.07	1,240.32	7,514.35	7,454.67	59.67	125.924		
6,300.00	5,742.04	5,985.95	5,878.25	45.94	26.28	129.08	-6,131.22	1,240.47	7,546.39	7,485.75	60.64	124.449		
6,400.00	5,828.79	6,071.00	5,963.29	46.92	26.50	129.35	-6,129.59	1,240.40	7,578.53	7,516.98	61.55	123.126		
6,500.00	5,915.54	6,167.50	6,059.77	47.89	26.74	129.64	-6,127.70	1,240.09	7,610.83	7,548.33	62.50	121.777		
6,600.00	6,002.28	6,271.08	6,163.32	48.86	27.01	129.96	-6,125.49	1,239.70	7,643.14	7,579.68	63.47	120.429		
6,700.00	6,089.03	6,356.39	6,248.62	49.83	27.23	130.22	-6,123.58	1,239.38	7,675.55	7,611.18	64.37	119.232		
6,800.00	6,175.78	6,474.07	6,366.25	50.81	27.53	130.58	-6,120.74	1,238.84	7,707.99	7,642.61	65.38	117.887		
6,900.00	6,262.53	6,573.20	6,465.35	51.78	27.79	130.88	-6,118.06	1,238.57	7,740.32	7,673.99	66.33	116.690		
7,000.00	6,349.27	6,650.92	6,543.04	52.76	27.99	131.10	-6,115.99	1,238.73	7,772.82	7,705.62	67.21	115.651		
7,100.00	6,436.02	6,718.46	6,610.56	53.73	28.16	131.30	-6,114.35	1,239.03	7,805.66	7,737.61	68.05	114.703		
7,200.00	6,522.77	6,799.44	6,691.52	54.71	28.37	131.53	-6,112.54	1,239.42	7,838.83	7,769.90	68.93	113.716		
7,300.00	6,609.51	6,875.34	6,767.41	55.68	28.57	131.75	-6,110.89	1,239.77	7,872.21	7,802.42	69.80	112.787		
7,400.00	6,696.26	6,954.20	6,846.24	56.66	28.78	131.98	-6,109.33	1,240.00	7,905.93	7,835.26	70.67	111.875		
7,500.00	6,783.01	7,057.76	6,949.79	57.63	29.06	132.27	-6,107.19	1,240.67	7,939.67	7,868.05	71.62	110.859		
7,600.00	6,869.76	7,148.97	7,040.97	58.61	29.30	132.52	-6,105.25	1,241.44	7,973.51	7,900.99	72.53	109.938		
7,683.49	6,942.18	7,227.06	7,119.04	59.42	29.51	132.73	-6,103.53	1,242.16	8,001.80	7,928.51	73.29	109.179		
7,700.00	6,956.57	7,239.02	7,130.99	59.58	29.55	130.26	-6,103.27	1,242.28	8,007.19	7,933.76	73.43	109.046		
7,750.00	7,000.85	7,275.75	7,167.71	60.04	29.64	121.81	-6,102.49	1,242.66	8,020.81	7,946.95	73.86	108.599		
7,800.00	7,045.94	7,317.81	7,209.76	60.46	29.76	111.97	-6,101.65	1,243.13	8,030.30	7,955.99	74.31	108.071		
7,850.00	7,091.49	7,380.65	7,272.59	60.84	29.93	101.19	-6,100.33	1,243.89	8,035.51	7,960.69	74.83	107.390		
7,900.00	7,137.15	7,457.10	7,349.00	61.17	30.13	90.21	-6,098.53	1,245.00	8,036.33	7,960.95	75.38	106.604		
7,950.00	7,182.58	7,522.81	7,414.68	61.44	30.31	79.85	-6,096.79	1,246.25	8,032.70	7,956.81	75.90	105.838		
8,000.00	7,227.43	7,573.86	7,465.70	61.67	30.44	70.77	-6,095.40	1,247.45	8,024.78	7,948.44	76.34	105.112		
8,050.00	7,271.36	7,621.53	7,513.33	61.84	30.57	63.24	-6,094.10	1,248.77	8,012.66	7,935.89	76.77	104.378		
8,100.00	7,314.04	7,666.84	7,558.60	61.96	30.69	57.24	-6,092.87	1,250.18	7,996.43	7,919.27	77.16	103.632		
8,150.00	7,355.14	7,715.93	7,607.64	62.04	30.82	52.60	-6,091.53	1,251.84	7,976.22	7,898.67	77.55	102.848		
8,200.00	7,394.34	7,765.84	7,657.51	62.07	30.96	49.10	-6,090.10	1,253.48	7,952.16	7,874.23	77.93	102.043		
8,250.00	7,431.36	7,776.00	7,667.66	62.06	30.98	46.40	-6,089.79	1,253.80	7,924.49	7,846.33	78.15	101.396		
8,300.00	7,465.90	7,808.93	7,700.56	62.01	31.07	44.63	-6,088.86	1,254.75	7,893.42	7,814.98	78.44	100.630		
8,350.00	7,497.71	7,825.32	7,716.94	61.93	31.12	43.53	-6,088.43	1,255.16	7,859.26	7,780.60	78.65	99.925		
8,400.00	7,526.53	7,840.11	7,731.72	61.81	31.16	43.14	-6,088.06	1,255.48	7,822.21	7,743.36	78.84	99.213		
8,450.00	7,552.17	8,113.14	8,004.36	61.66	31.89	45.52	-6,077.58	1,264.68	7,782.07	7,702.19	79.88	97.423		
8,500.00	7,574.41	8,126.33	8,017.51	61.48	31.92	47.24	-6,076.90	1,265.32	7,739.35	7,659.31	80.04	96.694		
8,550.00	7,593.09	8,137.15	8,028.30	61.29	31.95	50.31	-6,076.36	1,265.84	7,694.70	7,614.52	80.18	95.968		
8,600.00	7,608.07	8,156.00	8,047.11	61.07	32.00	55.60	-6,075.42	1,266.73	7,648.46	7,568.12	80.33	95.208		
8,650.00	7,619.23	8,156.00	8,047.11	60.84	32.00	63.92	-6,075.42	1,266.73	7,600.93	7,520.51	80.42	94.518		
8,700.00	7,626.48	8,156.00	8,047.11	60.60	32.00	77.79	-6,075.42	1,266.73	7,552.50	7,472.00	80.49	93.827		
8,750.00	7,629.78	8,156.00	8,047.11	60.35	32.00	99.65	-6,075.42	1,266.73	7,503.51	7,422.95	80.56	93.140		
8,766.45	7,630.00	8,156.00	8,047.11	60.27	32.00	108.39	-6,075.42	1,266.73	7,487.34	7,406.75	80.58	92.914		
8,800.00	7,630.00	8,156.00	8,047.11	60.10	32.00	108.39	-6,075.42	1,266.73	7,454.33	7,373.71	80.63	92.456		
8,900.00	7,630.00	8,156.00	8,047.11	59.61	32.00	108.39	-6,075.42	1,266.73	7,356.00	7,275.25	80.76	91.089		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
9,000.00	7,630.00	8,156.00	8,047.11	59.15	32.00	108.39	-6,075.42	1,266.73	7,257.72	7,176.83	80.89	89.721		
9,100.00	7,630.00	8,143.87	8,035.01	58.71	31.97	107.90	-6,076.02	1,266.16	7,159.46	7,078.47	80.99	88.397		
9,200.00	7,630.00	8,140.54	8,031.69	58.30	31.96	107.76	-6,076.19	1,266.00	7,061.27	6,980.14	81.13	87.039		
9,300.00	7,630.00	8,137.19	8,028.35	57.91	31.95	107.62	-6,076.35	1,265.84	6,963.12	6,881.85	81.27	85.681		
9,400.00	7,630.00	8,133.81	8,024.97	57.54	31.94	107.48	-6,076.52	1,265.68	6,865.02	6,783.60	81.41	84.322		
9,500.00	7,630.00	8,130.39	8,021.56	57.19	31.93	107.34	-6,076.70	1,265.51	6,766.97	6,685.41	81.57	82.962		
9,600.00	7,630.00	8,126.95	8,018.13	56.87	31.92	107.20	-6,076.87	1,265.35	6,668.98	6,587.26	81.73	81.602		
9,700.00	7,630.00	8,123.47	8,014.66	56.57	31.91	107.05	-6,077.05	1,265.18	6,571.05	6,489.16	81.89	80.241		
9,800.00	7,630.00	8,119.97	8,011.17	56.30	31.90	106.91	-6,077.23	1,265.01	6,473.18	6,391.12	82.06	78.880		
9,900.00	7,630.00	8,116.43	8,007.64	56.05	31.90	106.76	-6,077.41	1,264.84	6,375.37	6,293.13	82.24	77.518		
10,000.00	7,630.00	8,112.86	8,004.08	55.82	31.89	106.61	-6,077.60	1,264.66	6,277.63	6,195.20	82.43	76.156		
10,100.00	7,630.00	8,109.26	8,000.49	55.63	31.88	106.46	-6,077.78	1,264.49	6,179.96	6,097.33	82.63	74.794		
10,200.00	7,630.00	8,105.63	7,996.86	55.46	31.87	106.31	-6,077.97	1,264.31	6,082.36	5,999.53	82.83	73.432		
10,300.00	7,630.00	8,101.96	7,993.20	55.32	31.86	106.16	-6,078.16	1,264.13	5,984.83	5,901.79	83.04	72.070		
10,400.00	7,630.00	8,098.26	7,989.51	55.22	31.85	106.00	-6,078.36	1,263.95	5,887.39	5,804.12	83.26	70.707		
10,500.00	7,630.00	8,094.53	7,985.79	55.15	31.84	105.85	-6,078.56	1,263.76	5,790.03	5,706.53	83.50	69.345		
10,600.00	7,630.00	8,090.76	7,982.03	55.14	31.83	105.69	-6,078.76	1,263.58	5,692.75	5,609.02	83.74	67.983		
10,700.00	7,630.00	8,086.95	7,978.24	55.18	31.82	105.53	-6,078.96	1,263.39	5,595.57	5,511.58	83.99	66.621		
10,800.00	7,630.00	10,800.00	7,917.56	55.28	39.08	102.96	-6,081.95	1,260.66	5,498.44	5,405.87	92.57	59.395		
10,900.00	7,630.00	7,872.00	7,763.60	55.47	31.24	96.27	-6,087.33	1,256.05	5,401.51	5,317.89	83.62	64.593		
11,000.00	7,630.00	7,872.00	7,763.60	55.74	31.24	96.27	-6,087.33	1,256.05	5,304.49	5,220.57	83.92	63.211		
11,100.00	7,630.00	7,872.00	7,763.60	56.11	31.24	96.27	-6,087.33	1,256.05	5,207.58	5,123.36	84.23	61.829		
11,200.00	7,630.00	7,872.00	7,763.60	56.60	31.24	96.27	-6,087.33	1,256.05	5,110.80	5,026.25	84.55	60.448		
11,300.00	7,630.00	7,872.00	7,763.60	57.20	31.24	96.27	-6,087.33	1,256.05	5,014.13	4,929.25	84.89	59.068		
11,400.00	7,630.00	7,872.00	7,763.60	57.91	31.24	96.27	-6,087.33	1,256.05	4,917.60	4,832.36	85.24	57.690		
11,500.00	7,630.00	7,858.22	7,749.82	58.72	31.21	95.66	-6,087.64	1,255.83	4,821.18	4,735.64	85.54	56.358		
11,600.00	7,630.00	7,856.83	7,748.43	59.63	31.20	95.60	-6,087.67	1,255.80	4,724.94	4,639.01	85.93	54.987		
11,700.00	7,630.00	7,855.42	7,747.02	60.61	31.20	95.54	-6,087.70	1,255.78	4,628.85	4,542.52	86.33	53.618		
11,800.00	7,630.00	7,853.99	7,745.60	61.67	31.20	95.48	-6,087.73	1,255.75	4,532.93	4,446.18	86.75	52.251		
11,900.00	7,630.00	7,852.55	7,744.16	62.78	31.19	95.41	-6,087.77	1,255.73	4,437.20	4,350.00	87.20	50.886		
12,000.00	7,630.00	7,851.09	7,742.70	63.95	31.19	95.35	-6,087.80	1,255.70	4,341.65	4,253.98	87.67	49.524		
12,100.00	7,630.00	7,849.62	7,741.23	65.16	31.18	95.28	-6,087.83	1,255.67	4,246.31	4,158.15	88.16	48.165		
12,200.00	7,630.00	7,848.13	7,739.74	66.41	31.18	95.22	-6,087.87	1,255.64	4,151.18	4,062.50	88.68	46.810		
12,300.00	7,630.00	7,846.63	7,738.23	67.68	31.18	95.15	-6,087.90	1,255.61	4,056.29	3,967.06	89.23	45.458		
12,400.00	7,630.00	7,845.10	7,736.71	68.99	31.17	95.08	-6,087.94	1,255.58	3,961.65	3,871.84	89.81	44.110		
12,500.00	7,630.00	7,843.56	7,735.17	70.33	31.17	95.02	-6,087.98	1,255.55	3,867.28	3,776.85	90.43	42.767		
12,600.00	7,630.00	7,842.00	7,733.61	71.68	31.16	94.95	-6,088.01	1,255.52	3,773.20	3,682.12	91.07	41.430		
12,700.00	7,630.00	7,840.43	7,732.04	73.06	31.16	94.88	-6,088.05	1,255.49	3,679.43	3,587.66	91.76	40.097		
12,800.00	7,630.00	7,838.83	7,730.44	74.45	31.15	94.81	-6,088.09	1,255.46	3,585.99	3,493.50	92.49	38.771		
12,900.00	7,630.00	7,837.22	7,728.83	75.87	31.15	94.73	-6,088.13	1,255.42	3,492.92	3,399.65	93.26	37.452		
13,000.00	7,630.00	7,835.59	7,727.20	77.29	31.15	94.66	-6,088.17	1,255.39	3,400.24	3,306.15	94.08	36.141		
13,100.00	7,630.00	7,833.93	7,725.55	78.74	31.14	94.59	-6,088.21	1,255.35	3,307.98	3,213.03	94.95	34.838		
13,200.00	7,630.00	7,832.26	7,723.88	80.19	31.14	94.52	-6,088.25	1,255.32	3,216.19	3,120.31	95.88	33.544		
13,300.00	7,630.00	7,830.57	7,722.19	81.66	31.13	94.44	-6,088.29	1,255.28	3,124.89	3,028.03	96.86	32.260		
13,400.00	7,630.00	7,828.86	7,720.48	83.14	31.13	94.37	-6,088.34	1,255.24	3,034.15	2,936.24	97.91	30.988		
13,500.00	7,630.00	7,827.13	7,718.74	84.63	31.12	94.29	-6,088.38	1,255.20	2,944.00	2,844.97	99.03	29.728		
13,600.00	7,630.00	7,825.37	7,716.99	86.14	31.12	94.21	-6,088.43	1,255.16	2,854.51	2,754.29	100.22	28.482		
13,700.00	7,630.00	7,823.60	7,715.22	87.65	31.11	94.13	-6,088.47	1,255.12	2,765.74	2,664.24	101.50	27.250		
13,800.00	7,630.00	7,821.80	7,713.42	89.17	31.11	94.05	-6,088.52	1,255.08	2,677.76	2,574.90	102.85	26.035		
13,900.00	7,630.00	7,819.98	7,711.60	90.70	31.10	93.97	-6,088.57	1,255.03	2,590.64	2,486.34	104.30	24.838		
14,000.00	7,630.00	7,818.14	7,709.76	92.24	31.10	93.89	-6,088.61	1,254.99	2,504.49	2,398.64	105.85	23.660		
14,100.00	7,630.00	7,816.27	7,707.90	93.78	31.09	93.81	-6,088.66	1,254.94	2,419.40	2,311.90	107.51	22.504		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
14,200.00	7,630.00	7,814.38	7,706.01	95.33	31.09	93.73	-6,088.71	1,254.89	2,335.50	2,226.22	109.28	21.372		
14,300.00	7,630.00	7,812.47	7,704.10	96.89	31.08	93.64	-6,088.76	1,254.85	2,252.90	2,141.74	111.16	20.267		
14,400.00	7,630.00	7,810.53	7,702.16	98.46	31.08	93.55	-6,088.81	1,254.80	2,171.76	2,058.59	113.18	19.189		
14,500.00	7,630.00	7,808.57	7,700.20	100.03	31.07	93.47	-6,088.87	1,254.75	2,092.26	1,976.94	115.32	18.143		
14,600.00	7,630.00	7,806.58	7,698.21	101.61	31.07	93.38	-6,088.92	1,254.69	2,014.58	1,896.98	117.60	17.131		
14,700.00	7,630.00	7,804.56	7,696.20	103.20	31.06	93.29	-6,088.98	1,254.64	1,938.95	1,818.93	120.02	16.155		
14,800.00	7,630.00	7,802.52	7,694.16	104.78	31.06	93.20	-6,089.03	1,254.58	1,865.60	1,743.03	122.57	15.220		
14,900.00	7,630.00	7,800.45	7,692.09	106.38	31.05	93.11	-6,089.09	1,254.53	1,794.83	1,669.58	125.26	14.329		
15,000.00	7,630.00	7,798.36	7,690.00	107.98	31.04	93.02	-6,089.15	1,254.47	1,726.95	1,598.89	128.06	13.485		
15,100.00	7,630.00	7,796.23	7,687.87	109.58	31.04	92.92	-6,089.21	1,254.41	1,662.32	1,531.35	130.97	12.693		
15,200.00	7,630.00	7,794.08	7,685.72	111.19	31.03	92.83	-6,089.27	1,254.35	1,601.32	1,467.37	133.95	11.955		
15,300.00	7,630.00	7,791.90	7,683.54	112.81	31.03	92.73	-6,089.33	1,254.29	1,544.38	1,407.43	136.96	11.277		
15,400.00	7,630.00	7,789.69	7,681.33	114.42	31.02	92.63	-6,089.39	1,254.22	1,491.98	1,352.04	139.94	10.661		
15,500.00	7,630.00	7,787.44	7,679.09	116.05	31.01	92.53	-6,089.46	1,254.15	1,444.61	1,301.76	142.85	10.113		
15,600.00	7,630.00	7,785.17	7,676.82	117.67	31.01	92.43	-6,089.52	1,254.09	1,402.77	1,257.19	145.58	9.636		
15,700.00	7,630.00	7,782.86	7,674.52	119.30	31.00	92.33	-6,089.59	1,254.02	1,366.97	1,218.92	148.04	9.234		
15,800.00	7,630.00	7,781.55	7,673.20	120.93	31.00	92.27	-6,089.63	1,253.98	1,337.70	1,187.54	150.16	8.909		
15,900.00	7,630.00	7,778.61	7,670.27	122.57	30.99	92.14	-6,089.72	1,253.89	1,315.40	1,163.60	151.80	8.665		
16,000.00	7,630.00	7,775.70	7,667.36	124.21	30.98	92.01	-6,089.80	1,253.79	1,300.41	1,147.52	152.89	8.505		
16,100.00	7,630.00	7,772.80	7,664.46	125.85	30.97	91.88	-6,089.89	1,253.70	1,293.01	1,139.64	153.37	8.430		
16,146.11	7,630.00	7,771.47	7,663.13	126.61	30.97	91.82	-6,089.93	1,253.66	1,292.19	1,138.81	153.38	8.425 CC, ES, SF		
16,200.00	7,630.00	7,769.92	7,661.59	127.50	30.97	91.76	-6,089.97	1,253.61	1,293.31	1,140.10	153.21	8.442		
16,300.00	7,630.00	7,767.06	7,658.73	129.15	30.96	91.63	-6,090.06	1,253.52	1,301.31	1,148.91	152.40	8.539		
16,400.00	7,630.00	7,764.22	7,655.89	130.80	30.95	91.50	-6,090.14	1,253.43	1,316.87	1,165.90	150.98	8.722		
16,500.00	7,630.00	7,761.39	7,653.06	132.46	30.94	91.38	-6,090.23	1,253.33	1,339.73	1,190.72	149.01	8.991		
16,600.00	7,630.00	7,758.58	7,650.26	134.11	30.94	91.25	-6,090.31	1,253.24	1,369.52	1,222.92	146.60	9.342		
16,700.00	7,630.00	7,755.79	7,647.47	135.77	30.93	91.13	-6,090.39	1,253.15	1,405.80	1,261.97	143.83	9.774		
16,800.00	7,630.00	7,753.01	7,644.69	137.43	30.92	91.01	-6,090.47	1,253.06	1,448.09	1,307.27	140.81	10.284		
16,900.00	7,630.00	7,750.26	7,641.94	139.10	30.91	90.88	-6,090.55	1,252.97	1,495.87	1,358.22	137.64	10.868		
17,000.00	7,630.00	7,747.51	7,639.20	140.77	30.91	90.76	-6,090.63	1,252.89	1,548.63	1,414.23	134.40	11.523		
17,100.00	7,630.00	7,744.79	7,636.47	142.44	30.90	90.64	-6,090.71	1,252.80	1,605.89	1,474.74	131.15	12.244		
17,200.00	7,630.00	7,742.08	7,633.77	144.11	30.89	90.52	-6,090.79	1,252.71	1,667.18	1,539.22	127.96	13.029		
17,300.00	7,630.00	7,739.38	7,631.08	145.78	30.89	90.40	-6,090.87	1,252.62	1,732.08	1,607.21	124.87	13.871		
17,400.00	7,630.00	7,736.71	7,628.40	147.46	30.88	90.28	-6,090.94	1,252.53	1,800.19	1,678.30	121.89	14.769		
17,500.00	7,630.00	7,734.05	7,625.74	149.13	30.87	90.17	-6,091.02	1,252.44	1,871.16	1,752.10	119.06	15.716		
17,600.00	7,630.00	7,731.40	7,623.10	150.81	30.86	90.05	-6,091.09	1,252.36	1,944.68	1,828.30	116.38	16.709		
17,700.00	7,630.00	7,728.77	7,620.47	152.49	30.86	89.93	-6,091.17	1,252.27	2,020.48	1,906.62	113.86	17.745		
17,800.00	7,630.00	7,726.15	7,617.86	154.18	30.85	89.82	-6,091.24	1,252.18	2,098.30	1,986.80	111.50	18.819		
17,900.00	7,630.00	7,723.55	7,615.26	155.86	30.84	89.70	-6,091.32	1,252.10	2,177.93	2,068.64	109.29	19.928		
18,000.00	7,630.00	7,720.97	7,612.68	157.55	30.84	89.59	-6,091.39	1,252.01	2,259.17	2,151.94	107.23	21.069		
18,100.00	7,630.00	7,718.40	7,610.11	159.24	30.83	89.47	-6,091.46	1,251.93	2,341.86	2,236.55	105.31	22.237		
18,200.00	7,630.00	7,715.85	7,607.56	160.92	30.82	89.36	-6,091.53	1,251.84	2,425.86	2,322.33	103.53	23.431		
18,300.00	7,630.00	7,713.31	7,605.02	162.62	30.82	89.25	-6,091.60	1,251.75	2,511.02	2,409.15	101.88	24.647		
18,400.00	7,630.00	7,710.78	7,602.50	164.31	30.81	89.14	-6,091.67	1,251.67	2,597.24	2,496.90	100.34	25.883		
18,458.39	7,630.00	7,709.31	7,601.03	165.30	30.81	89.07	-6,091.71	1,251.62	2,648.04	2,548.54	99.50	26.614		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	161.90	-5,380.84	1,758.24	5,660.82					
100.00	100.00	108.59	108.59	0.13	0.20	161.90	-5,380.64	1,758.17	5,660.62	5,660.29	0.33	N/A		
178.30	178.30	171.30	171.30	0.42	0.42	161.90	-5,380.50	1,758.29	5,660.51	5,659.68	0.84	6,775.420		
200.00	200.00	185.00	185.00	0.49	0.47	161.90	-5,380.49	1,758.36	5,660.52	5,659.56	0.96	5,887.968		
300.00	300.00	226.63	226.63	0.85	0.62	161.90	-5,380.60	1,758.82	5,661.16	5,659.70	1.47	3,859.273		
400.00	400.00	274.00	273.98	1.21	0.78	161.89	-5,381.13	1,759.98	5,662.88	5,660.89	1.99	2,843.082		
500.00	500.00	306.07	306.02	1.57	0.90	161.88	-5,381.70	1,761.17	5,665.64	5,663.17	2.47	2,297.725		
600.00	600.00	365.00	364.84	1.93	1.11	161.85	-5,383.20	1,764.35	5,669.55	5,666.52	3.03	1,868.807		
700.00	700.00	365.00	364.84	2.29	1.11	161.85	-5,383.20	1,764.35	5,674.46	5,671.06	3.39	1,672.725		
800.00	800.00	419.97	419.63	2.64	1.31	161.82	-5,385.23	1,768.24	5,680.39	5,676.44	3.95	1,438.213		
900.00	900.00	456.00	455.51	3.00	1.45	161.80	-5,386.98	1,771.13	5,687.52	5,683.08	4.44	1,282.029		
1,000.00	1,000.00	497.25	496.51	3.36	1.61	161.77	-5,389.26	1,774.99	5,695.72	5,690.77	4.95	1,151.414		
1,100.00	1,100.00	549.00	547.82	3.72	1.81	161.72	-5,392.37	1,780.99	5,704.98	5,699.48	5.49	1,038.324		
1,200.00	1,199.98	575.79	574.32	4.07	1.92	110.43	-5,394.13	1,784.50	5,715.84	5,709.89	5.95	960.783		
1,300.00	1,299.84	612.45	610.53	4.43	2.08	110.16	-5,396.83	1,789.55	5,729.03	5,722.59	6.44	889.593		
1,400.00	1,399.45	640.00	637.70	4.79	2.19	109.85	-5,399.06	1,793.54	5,744.50	5,737.60	6.90	832.968		
1,500.00	1,498.70	688.00	684.94	5.15	2.41	109.51	-5,403.35	1,800.87	5,762.14	5,754.69	7.45	773.860		
1,600.00	1,597.47	732.00	728.14	5.53	2.60	109.14	-5,407.73	1,807.98	5,781.97	5,773.98	7.99	723.949		
1,700.00	1,695.62	760.20	755.76	5.93	2.74	108.73	-5,410.76	1,812.79	5,803.95	5,795.47	8.48	684.384		
1,800.00	1,793.06	793.14	787.93	6.35	2.90	108.29	-5,414.53	1,818.75	5,828.10	5,819.09	9.01	646.779		
1,900.00	1,889.64	825.00	818.97	6.79	3.05	107.80	-5,418.42	1,824.85	5,854.38	5,844.82	9.56	612.560		
2,000.00	1,985.27	863.97	856.80	7.27	3.25	107.29	-5,423.46	1,832.68	5,882.68	5,872.51	10.17	578.448		
2,100.00	2,079.82	919.00	910.05	7.79	3.54	106.78	-5,431.07	1,844.32	5,912.99	5,902.10	10.89	543.205		
2,200.00	2,173.17	950.54	940.49	8.36	3.71	106.20	-5,435.62	1,851.23	5,945.01	5,933.47	11.53	515.406		
2,300.00	2,265.21	1,013.00	1,000.65	8.97	4.05	105.65	-5,444.82	1,865.25	5,978.63	5,966.27	12.37	483.397		
2,400.00	2,355.84	1,061.74	1,047.53	9.64	4.33	105.05	-5,452.23	1,876.35	6,013.76	6,000.58	13.18	456.275		
2,500.00	2,444.94	1,106.00	1,090.05	10.36	4.58	104.42	-5,459.22	1,886.44	6,050.42	6,036.40	14.02	431.537		
2,591.69	2,525.19	1,165.92	1,147.57	11.07	4.93	103.88	-5,469.04	1,900.05	6,085.28	6,070.35	14.93	407.583		
2,600.00	2,532.40	1,170.59	1,152.06	11.14	4.96	103.90	-5,469.82	1,901.11	6,088.49	6,073.48	15.01	405.603		
2,700.00	2,619.15	1,221.29	1,200.70	11.96	5.26	104.07	-5,478.45	1,912.52	6,127.51	6,111.55	15.96	383.936		
2,800.00	2,705.89	2,800.00	1,366.98	12.81	14.41	104.68	-5,507.50	1,949.49	6,166.03	6,141.92	24.10	255.803		
2,900.00	2,792.64	1,453.13	1,423.98	13.67	6.60	104.89	-5,517.36	1,961.24	6,204.50	6,185.91	18.58	333.916		
3,000.00	2,879.39	1,490.00	1,459.56	14.55	6.81	105.03	-5,523.86	1,968.43	6,243.76	6,224.27	19.49	320.309		
3,100.00	2,966.14	1,531.42	1,499.48	15.44	7.04	105.18	-5,531.50	1,976.35	6,283.84	6,263.41	20.43	307.581		
3,200.00	3,052.88	1,584.00	1,550.10	16.34	7.35	105.37	-5,541.82	1,986.18	6,324.82	6,303.39	21.43	295.154		
3,300.00	3,139.63	1,608.48	1,573.63	17.25	7.49	105.46	-5,546.82	1,990.69	6,366.51	6,344.23	22.28	285.764		
3,400.00	3,226.38	1,654.35	1,617.69	18.17	7.76	105.64	-5,556.41	1,999.11	6,408.95	6,385.71	23.24	275.750		
3,500.00	3,313.12	1,719.15	1,679.87	19.09	8.14	105.88	-5,570.34	2,010.88	6,452.01	6,427.70	24.31	265.443		
3,600.00	3,399.87	2,182.87	2,129.03	20.02	10.69	107.63	-5,659.68	2,082.91	6,492.85	6,465.43	27.42	236.773		
3,700.00	3,486.62	2,240.00	2,184.76	20.96	10.99	107.85	-5,669.60	2,090.65	6,531.80	6,503.35	28.45	229.599		
3,800.00	3,573.37	2,296.68	2,240.00	21.90	11.28	108.06	-5,679.65	2,098.44	6,571.31	6,541.83	29.47	222.956		
3,900.00	3,660.11	2,367.05	2,308.58	22.84	11.65	108.32	-5,692.01	2,108.21	6,611.00	6,580.43	30.57	216.289		
4,000.00	3,746.86	2,428.00	2,367.94	23.78	11.97	108.55	-5,703.13	2,116.40	6,651.32	6,619.71	31.61	210.431		
4,100.00	3,833.61	2,531.82	2,469.11	24.73	12.51	108.94	-5,722.12	2,129.94	6,691.87	6,659.00	32.87	203.616		
4,200.00	3,920.35	2,588.17	2,524.01	25.68	12.81	109.15	-5,732.37	2,137.48	6,732.55	6,698.67	33.88	198.709		
4,300.00	4,007.10	2,615.00	2,550.12	26.63	12.95	109.24	-5,737.29	2,141.20	6,773.86	6,739.12	34.74	194.992		
4,400.00	4,093.85	2,671.96	2,605.43	27.59	13.26	109.45	-5,748.02	2,149.52	6,815.78	6,780.02	35.76	190.604		
4,500.00	4,180.60	4,500.00	2,693.09	28.55	23.60	109.75	-5,765.34	2,164.21	6,858.29	6,813.57	44.72	153.351		
4,600.00	4,267.34	2,876.34	2,803.32	29.50	14.41	110.12	-5,786.33	2,183.35	6,900.42	6,862.10	38.32	180.066		
4,700.00	4,354.09	2,946.71	2,871.52	30.46	14.80	110.36	-5,799.48	2,194.58	6,942.83	6,903.41	39.42	176.124		
4,800.00	4,440.84	3,031.38	2,953.58	31.42	15.27	110.63	-5,815.42	2,208.04	6,985.49	6,944.90	40.60	172.069		
4,900.00	4,527.58	3,119.55	3,039.09	32.39	15.76	110.92	-5,831.97	2,221.75	7,028.21	6,986.42	41.79	168.181		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
5,000.00	4,614.33	3,178.00	3,095.83	33.35	16.08	111.12	-5,843.08	2,230.33	7,071.18	7,028.37	42.81	165.188		
5,100.00	4,701.08	3,241.22	3,157.18	34.31	16.43	111.33	-5,855.31	2,239.52	7,114.56	7,070.72	43.85	162.260		
5,200.00	4,787.82	3,294.12	3,208.42	35.28	16.72	111.50	-5,865.76	2,247.44	7,158.49	7,113.67	44.82	159.701		
5,300.00	4,874.57	3,348.02	3,260.59	36.25	17.03	111.67	-5,876.62	2,255.53	7,202.91	7,157.11	45.80	157.253		
5,400.00	4,961.32	3,481.77	3,390.05	37.21	17.78	112.10	-5,903.31	2,275.95	7,247.32	7,200.06	47.26	153.347		
5,500.00	5,048.07	3,536.47	3,442.96	38.18	18.09	112.27	-5,914.09	2,284.72	7,291.79	7,243.54	48.25	151.130		
5,600.00	5,134.81	3,553.00	3,458.93	39.15	18.18	112.32	-5,917.39	2,287.43	7,336.88	7,287.88	49.00	149.744		
5,700.00	5,221.56	3,608.17	3,512.15	40.12	18.51	112.48	-5,928.73	2,296.49	7,382.48	7,332.50	49.98	147.712		
5,800.00	5,308.31	3,647.00	3,549.53	41.09	18.73	112.60	-5,937.10	2,302.86	7,428.89	7,378.04	50.85	146.084		
5,900.00	5,395.05	5,714.79	5,584.45	42.06	27.16	119.08	-6,130.60	2,484.30	7,461.56	7,400.53	61.03	122.263		
6,000.00	5,481.80	5,821.74	5,691.35	43.03	27.39	119.46	-6,127.78	2,482.63	7,485.55	7,423.43	62.12	120.506		
6,100.00	5,568.55	5,897.83	5,767.41	44.00	27.56	119.72	-6,125.75	2,481.53	7,509.78	7,446.65	63.13	118.964		
6,200.00	5,655.30	6,019.40	5,888.92	44.97	27.83	120.14	-6,122.28	2,479.81	7,534.08	7,469.83	64.25	117.264		
6,300.00	5,742.04	6,124.88	5,994.34	45.94	28.06	120.50	-6,118.93	2,478.35	7,558.36	7,493.03	65.33	115.698		
6,400.00	5,828.79	6,241.79	6,111.16	46.92	28.33	120.90	-6,114.83	2,476.96	7,582.61	7,516.18	66.44	114.135		
6,500.00	5,915.54	6,324.44	6,193.74	47.89	28.52	121.18	-6,111.71	2,476.03	7,606.88	7,539.43	67.45	112.775		
6,600.00	6,002.28	6,398.13	6,267.39	48.86	28.69	121.43	-6,109.08	2,475.35	7,631.55	7,563.11	68.44	111.504		
6,700.00	6,089.03	6,476.42	6,345.63	49.83	28.88	121.68	-6,106.35	2,474.98	7,656.56	7,587.12	69.44	110.256		
6,800.00	6,175.78	6,549.38	6,418.54	50.81	29.05	121.92	-6,103.90	2,475.07	7,681.94	7,611.51	70.43	109.071		
6,900.00	6,262.53	6,607.87	6,477.01	51.78	29.20	122.11	-6,102.07	2,475.40	7,707.78	7,636.40	71.38	107.990		
7,000.00	6,349.27	6,677.40	6,545.51	52.76	29.38	122.33	-6,100.16	2,475.93	7,734.14	7,661.79	72.35	106.903		
7,100.00	6,436.02	6,797.37	6,666.43	53.73	29.69	122.71	-6,096.80	2,476.45	7,760.68	7,687.22	73.46	105.639		
7,200.00	6,522.77	6,935.14	6,804.11	54.71	30.03	123.16	-6,092.16	2,475.31	7,786.84	7,712.22	74.61	104.363		
7,300.00	6,609.51	7,013.95	6,882.87	55.68	30.22	123.41	-6,089.36	2,474.03	7,813.03	7,737.44	75.59	103.367		
7,400.00	6,696.26	7,096.30	6,965.16	56.66	30.42	123.68	-6,086.50	2,472.48	7,839.49	7,762.93	76.56	102.394		
7,500.00	6,783.01	7,170.37	7,039.17	57.63	30.61	123.92	-6,083.99	2,471.19	7,866.26	7,788.75	77.51	101.485		
7,600.00	6,869.76	7,251.31	7,120.06	58.61	30.81	124.18	-6,081.40	2,469.76	7,893.40	7,814.92	78.48	100.582		
7,683.49	6,942.18	7,324.31	7,193.01	59.42	30.99	124.42	-6,079.03	2,468.78	7,916.20	7,836.90	79.30	99.829		
7,700.00	6,956.57	7,336.18	7,204.88	59.58	31.02	122.03	-6,078.65	2,468.63	7,920.50	7,841.05	79.45	99.689		
7,750.00	7,000.85	7,372.62	7,241.29	60.04	31.12	113.78	-6,077.50	2,468.16	7,930.77	7,850.85	79.92	99.231		
7,800.00	7,045.94	7,409.51	7,278.16	60.46	31.21	104.08	-6,076.38	2,467.66	7,936.84	7,856.45	80.39	98.727		
7,850.00	7,091.49	7,446.44	7,315.07	60.84	31.31	93.30	-6,075.30	2,467.13	7,938.67	7,857.81	80.85	98.185		
7,900.00	7,137.15	7,483.34	7,351.95	61.17	31.40	82.23	-6,074.25	2,466.58	7,936.23	7,854.93	81.30	97.612		
7,950.00	7,182.58	7,520.90	7,389.49	61.44	31.50	71.75	-6,073.23	2,466.00	7,929.56	7,847.82	81.74	97.011		
8,000.00	7,227.43	7,558.29	7,426.87	61.67	31.60	62.51	-6,072.24	2,465.36	7,918.68	7,836.53	82.15	96.390		
8,050.00	7,271.36	7,589.00	7,457.56	61.84	31.68	54.76	-6,071.46	2,464.80	7,903.69	7,821.16	82.52	95.775		
8,100.00	7,314.04	7,623.51	7,492.05	61.96	31.77	48.46	-6,070.62	2,464.19	7,884.70	7,801.81	82.88	95.130		
8,150.00	7,355.14	7,652.08	7,520.61	62.04	31.84	43.41	-6,069.98	2,463.73	7,861.85	7,778.65	83.20	94.490		
8,200.00	7,394.34	7,683.00	7,551.52	62.07	31.92	39.39	-6,069.32	2,463.28	7,835.32	7,751.82	83.51	93.829		
8,250.00	7,431.36	7,719.78	7,588.30	62.06	32.03	36.22	-6,068.56	2,462.99	7,805.26	7,721.44	83.81	93.126		
8,300.00	7,465.90	7,760.04	7,628.55	62.01	32.14	33.74	-6,067.70	2,463.15	7,771.83	7,687.72	84.11	92.398		
8,350.00	7,497.71	7,797.30	7,665.79	61.93	32.25	31.82	-6,066.88	2,463.74	7,735.29	7,650.91	84.38	91.671		
8,400.00	7,526.53	7,831.15	7,699.62	61.81	32.35	30.35	-6,066.10	2,464.65	7,695.92	7,611.31	84.62	90.950		
8,450.00	7,552.17	7,861.25	7,729.69	61.66	32.43	29.30	-6,065.40	2,465.75	7,654.02	7,569.20	84.82	90.236		
8,500.00	7,574.41	7,896.40	7,764.80	61.48	32.54	28.72	-6,064.54	2,467.29	7,609.89	7,524.86	85.03	89.496		
8,550.00	7,593.09	7,930.56	7,798.92	61.29	32.64	28.66	-6,063.63	2,468.75	7,563.85	7,478.63	85.22	88.757		
8,600.00	7,608.07	7,957.06	7,825.37	61.07	32.72	29.27	-6,062.88	2,469.86	7,516.28	7,430.91	85.37	88.048		
8,650.00	7,619.23	7,975.81	7,844.11	60.84	32.78	31.23	-6,062.32	2,470.62	7,467.54	7,382.07	85.47	87.371		
8,700.00	7,626.48	7,982.11	7,850.40	60.60	32.80	37.45	-6,062.13	2,470.87	7,418.02	7,332.51	85.52	86.745		
8,750.00	7,629.78	7,984.71	7,852.99	60.35	32.81	103.03	-6,062.05	2,470.97	7,368.11	7,282.57	85.54	86.139		
8,766.45	7,630.00	7,984.30	7,852.58	60.27	32.81	162.06	-6,062.06	2,470.95	7,351.67	7,266.13	85.54	85.946		
8,800.00	7,630.00	7,982.83	7,851.12	60.10	32.80	161.94	-6,062.11	2,470.90	7,318.13	7,232.59	85.54	85.556		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
8,900.00	7,630.00	7,981.89	7,850.18	59.61	32.80	161.86	-6,062.13	2,470.87	7,218.18	7,132.64	85.54	84.380		
9,000.00	7,630.00	7,976.26	7,844.56	59.15	32.78	161.38	-6,062.30	2,470.64	7,118.24	7,032.70	85.53	83.221		
9,100.00	7,630.00	7,970.76	7,839.07	58.71	32.77	160.89	-6,062.47	2,470.42	7,018.29	6,932.76	85.53	82.061		
9,200.00	7,630.00	7,965.39	7,833.70	58.30	32.75	160.38	-6,062.63	2,470.20	6,918.34	6,832.82	85.52	80.899		
9,300.00	7,630.00	7,960.13	7,828.44	57.91	32.73	159.87	-6,062.79	2,469.98	6,818.39	6,732.88	85.51	79.736		
9,400.00	7,630.00	7,954.99	7,823.31	57.54	32.72	159.34	-6,062.94	2,469.77	6,718.44	6,632.94	85.51	78.572		
9,500.00	7,630.00	7,949.96	7,818.29	57.19	32.70	158.81	-6,063.09	2,469.56	6,618.50	6,532.99	85.50	77.406		
9,600.00	7,630.00	7,945.04	7,813.37	56.87	32.69	158.26	-6,063.23	2,469.36	6,518.54	6,433.04	85.50	76.240		
9,700.00	7,630.00	7,940.22	7,808.56	56.57	32.67	157.69	-6,063.36	2,469.16	6,418.59	6,333.09	85.50	75.072		
9,800.00	7,630.00	7,935.50	7,803.85	56.30	32.66	157.12	-6,063.50	2,468.96	6,318.64	6,233.14	85.50	73.903		
9,900.00	7,630.00	7,930.89	7,799.24	56.05	32.64	156.53	-6,063.62	2,468.77	6,218.69	6,133.19	85.50	72.734		
10,000.00	7,630.00	7,926.37	7,794.73	55.82	32.63	155.93	-6,063.75	2,468.57	6,118.74	6,033.24	85.50	71.563		
10,100.00	7,630.00	7,921.94	7,790.30	55.63	32.62	155.31	-6,063.87	2,468.39	6,018.79	5,933.28	85.50	70.392		
10,200.00	7,630.00	7,917.60	7,785.97	55.46	32.60	154.69	-6,063.99	2,468.20	5,918.83	5,833.32	85.51	69.219		
10,300.00	7,630.00	7,913.35	7,781.72	55.32	32.59	154.04	-6,064.10	2,468.02	5,818.88	5,733.36	85.51	68.046		
10,400.00	7,630.00	7,909.18	7,777.56	55.22	32.58	153.39	-6,064.21	2,467.84	5,718.92	5,633.40	85.52	66.872		
10,500.00	7,630.00	7,905.09	7,773.48	55.15	32.56	152.71	-6,064.32	2,467.66	5,618.97	5,533.44	85.53	65.697		
10,600.00	7,630.00	7,901.08	7,769.48	55.14	32.55	152.03	-6,064.42	2,467.49	5,519.01	5,433.48	85.54	64.521		
10,700.00	7,630.00	7,897.16	7,765.55	55.18	32.54	151.33	-6,064.52	2,467.32	5,419.06	5,333.51	85.55	63.345		
10,800.00	7,630.00	7,893.30	7,761.70	55.28	32.53	150.61	-6,064.62	2,467.15	5,319.10	5,233.54	85.56	62.167		
10,900.00	7,630.00	7,889.52	7,757.92	55.47	32.52	149.87	-6,064.71	2,466.98	5,219.15	5,133.57	85.57	60.990		
11,000.00	7,630.00	7,885.81	7,754.22	55.74	32.51	149.12	-6,064.81	2,466.82	5,119.19	5,033.60	85.59	59.811		
11,100.00	7,630.00	7,882.17	7,750.58	56.11	32.49	148.36	-6,064.90	2,466.66	5,019.24	4,933.63	85.61	58.632		
11,200.00	7,630.00	7,878.59	7,747.01	56.60	32.48	147.57	-6,064.98	2,466.50	4,919.28	4,833.66	85.62	57.452		
11,300.00	7,630.00	7,875.08	7,743.50	57.20	32.47	146.77	-6,065.07	2,466.35	4,819.33	4,733.68	85.64	56.272		
11,400.00	7,630.00	7,871.71	7,740.14	57.91	32.46	145.98	-6,065.15	2,466.20	4,719.37	4,633.71	85.66	55.091		
11,500.00	7,630.00	7,868.98	7,737.41	58.72	32.46	145.31	-6,065.22	2,466.08	4,619.42	4,533.73	85.69	53.908		
11,600.00	7,630.00	7,866.26	7,734.70	59.63	32.45	144.62	-6,065.28	2,465.96	4,519.46	4,433.74	85.72	52.724		
11,700.00	7,630.00	7,863.56	7,732.00	60.61	32.44	143.92	-6,065.34	2,465.84	4,419.51	4,333.76	85.75	51.540		
11,800.00	7,630.00	7,860.87	7,729.31	61.67	32.43	143.20	-6,065.41	2,465.73	4,319.56	4,233.78	85.78	50.356		
11,900.00	7,630.00	7,858.19	7,726.64	62.78	32.42	142.45	-6,065.47	2,465.62	4,219.60	4,133.79	85.81	49.172		
12,000.00	7,630.00	7,855.53	7,723.97	63.95	32.42	141.69	-6,065.53	2,465.52	4,119.65	4,033.80	85.85	47.987		
12,100.00	7,630.00	7,852.87	7,721.32	65.16	32.41	140.91	-6,065.60	2,465.41	4,019.70	3,933.81	85.89	46.802		
12,200.00	7,630.00	7,850.23	7,718.68	66.41	32.40	140.11	-6,065.66	2,465.31	3,919.75	3,833.83	85.93	45.618		
12,300.00	7,630.00	7,847.60	7,716.05	67.68	32.39	139.29	-6,065.72	2,465.21	3,819.80	3,733.83	85.97	44.433		
12,400.00	7,630.00	7,844.98	7,713.44	68.99	32.39	138.45	-6,065.78	2,465.12	3,719.86	3,633.84	86.01	43.248		
12,500.00	7,630.00	7,842.37	7,710.83	70.33	32.38	137.58	-6,065.84	2,465.02	3,619.91	3,533.85	86.06	42.063		
12,600.00	7,630.00	7,839.77	7,708.24	71.68	32.37	136.69	-6,065.90	2,464.93	3,519.96	3,433.85	86.11	40.878		
12,700.00	7,630.00	7,837.19	7,705.65	73.06	32.36	135.78	-6,065.96	2,464.84	3,420.02	3,333.86	86.16	39.693		
12,800.00	7,630.00	7,834.62	7,703.08	74.45	32.36	134.84	-6,066.02	2,464.76	3,320.08	3,233.86	86.22	38.508		
12,900.00	7,630.00	7,832.05	7,700.52	75.87	32.35	133.88	-6,066.08	2,464.67	3,220.14	3,133.86	86.28	37.323		
13,000.00	7,630.00	7,829.50	7,697.97	77.29	32.34	132.90	-6,066.14	2,464.59	3,120.20	3,033.86	86.34	36.138		
13,100.00	7,630.00	7,826.96	7,695.44	78.74	32.33	131.89	-6,066.20	2,464.51	3,020.26	2,933.85	86.41	34.953		
13,200.00	7,630.00	7,824.43	7,692.91	80.19	32.33	130.85	-6,066.26	2,464.44	2,920.33	2,833.85	86.48	33.768		
13,300.00	7,630.00	7,821.92	7,690.39	81.66	32.32	129.79	-6,066.32	2,464.36	2,820.40	2,733.84	86.56	32.584		
13,400.00	7,630.00	7,819.41	7,687.89	83.14	32.31	128.70	-6,066.37	2,464.29	2,720.47	2,633.83	86.64	31.400		
13,500.00	7,630.00	7,816.92	7,685.40	84.63	32.31	127.59	-6,066.43	2,464.22	2,620.54	2,533.81	86.73	30.215		
13,600.00	7,630.00	7,814.43	7,682.91	86.14	32.30	126.45	-6,066.49	2,464.15	2,520.62	2,433.79	86.82	29.031		
13,700.00	7,630.00	7,811.96	7,680.44	87.65	32.29	125.28	-6,066.54	2,464.09	2,420.70	2,333.77	86.93	27.848		
13,800.00	7,630.00	7,809.49	7,677.98	89.17	32.28	124.08	-6,066.60	2,464.02	2,320.79	2,233.75	87.04	26.664		
13,900.00	7,630.00	7,807.04	7,675.53	90.70	32.28	122.86	-6,066.66	2,463.96	2,220.88	2,133.72	87.16	25.481		
14,000.00	7,630.00	7,804.60	7,673.09	92.24	32.27	121.61	-6,066.71	2,463.90	2,120.98	2,033.69	87.29	24.298		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference 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		
14,100.00	7,630.00	7,802.17	7,670.65	93.78	32.26	120.34	-6,066.77	2,463.85	2,021.08	1,933.65	87.43	23.116		
14,200.00	7,630.00	7,799.75	7,668.23	95.33	32.26	119.04	-6,066.82	2,463.79	1,921.20	1,833.60	87.59	21.933		
14,300.00	7,630.00	7,797.33	7,665.83	96.89	32.25	117.71	-6,066.88	2,463.74	1,821.32	1,733.55	87.77	20.752		
14,400.00	7,630.00	7,794.93	7,663.43	98.46	32.24	116.36	-6,066.93	2,463.69	1,721.45	1,633.49	87.96	19.570		
14,500.00	7,630.00	7,792.54	7,661.04	100.03	32.24	114.98	-6,066.98	2,463.64	1,621.60	1,533.42	88.18	18.390		
14,600.00	7,630.00	7,790.16	7,658.66	101.61	32.23	113.58	-6,067.04	2,463.59	1,521.76	1,433.34	88.43	17.209		
14,700.00	7,630.00	7,787.79	7,656.29	103.20	32.22	112.16	-6,067.09	2,463.55	1,421.94	1,333.24	88.71	16.030		
14,800.00	7,630.00	7,785.43	7,653.93	104.78	32.22	110.72	-6,067.14	2,463.50	1,322.15	1,233.12	89.03	14.851		
14,900.00	7,630.00	7,783.08	7,651.58	106.38	32.21	109.26	-6,067.19	2,463.46	1,222.38	1,132.98	89.41	13.672		
15,000.00	7,630.00	7,780.74	7,649.24	107.98	32.20	107.78	-6,067.25	2,463.42	1,122.66	1,032.81	89.85	12.495		
15,100.00	7,630.00	7,778.41	7,646.91	109.58	32.20	106.28	-6,067.30	2,463.38	1,022.98	932.60	90.38	11.319		
15,200.00	7,630.00	7,776.09	7,644.59	111.19	32.19	104.77	-6,067.35	2,463.35	923.36	832.33	91.03	10.144		
15,300.00	7,630.00	7,773.78	7,642.28	112.81	32.18	103.24	-6,067.40	2,463.32	823.83	731.99	91.84	8.970		
15,400.00	7,630.00	7,771.48	7,639.98	114.42	32.18	101.70	-6,067.45	2,463.28	724.42	631.54	92.88	7.799		
15,500.00	7,630.00	7,769.19	7,637.69	116.05	32.17	100.16	-6,067.50	2,463.25	625.19	530.92	94.28	6.632		
15,600.00	7,630.00	7,766.91	7,635.41	117.67	32.16	98.60	-6,067.55	2,463.22	526.25	430.03	96.22	5.469		
15,700.00	7,630.00	7,764.64	7,633.14	119.30	32.16	97.04	-6,067.60	2,463.20	427.79	328.66	99.13	4.316		
15,800.00	7,630.00	7,762.37	7,630.88	120.93	32.15	95.48	-6,067.65	2,463.17	330.23	226.39	103.84	3.180		
15,900.00	7,630.00	7,760.12	7,628.63	122.57	32.14	93.92	-6,067.70	2,463.15	234.72	122.19	112.53	2.086		
16,000.00	7,630.00	7,757.88	7,626.38	124.21	32.14	92.36	-6,067.75	2,463.13	145.35	14.20	131.15	1.108 Level 2		
16,100.00	7,630.00	7,755.64	7,624.15	125.85	32.13	90.80	-6,067.80	2,463.11	84.55	-72.41	156.96	0.539 Level 1, ES		
16,119.92	7,630.00	7,755.20	7,623.70	126.18	32.13	90.49	-6,067.81	2,463.10	82.17	-70.63	152.80	0.538 Level 1, CC, SF		
16,200.00	7,630.00	7,753.42	7,621.92	127.50	32.12	89.25	-6,067.85	2,463.09	114.72	9.21	105.52	1.087 Level 2		
16,300.00	7,630.00	7,751.20	7,619.71	129.15	32.12	87.71	-6,067.89	2,463.07	197.90	117.17	80.73	2.451		
16,400.00	7,630.00	7,748.99	7,617.50	130.80	32.11	86.17	-6,067.94	2,463.05	291.82	214.92	76.89	3.795		
16,500.00	7,630.00	7,746.80	7,615.30	132.46	32.10	84.65	-6,067.99	2,463.04	388.77	311.72	77.05	5.046		
16,600.00	7,630.00	7,744.61	7,613.12	134.11	32.10	83.15	-6,068.04	2,463.03	486.95	409.08	77.87	6.253		
16,700.00	7,630.00	7,742.43	7,610.94	135.77	32.09	81.66	-6,068.08	2,463.02	585.73	507.03	78.70	7.442		
16,800.00	7,630.00	7,740.25	7,608.76	137.43	32.09	80.18	-6,068.13	2,463.01	684.86	605.43	79.43	8.622		
16,900.00	7,630.00	7,738.09	7,606.60	139.10	32.08	78.73	-6,068.17	2,463.00	784.21	704.15	80.05	9.796		
17,000.00	7,630.00	7,735.94	7,604.45	140.77	32.07	77.29	-6,068.22	2,462.99	883.70	803.12	80.58	10.967		
17,100.00	7,630.00	7,733.79	7,602.31	142.44	32.07	75.88	-6,068.27	2,462.99	983.28	902.26	81.03	12.135		
17,200.00	7,630.00	7,731.66	7,600.17	144.11	32.06	74.49	-6,068.31	2,462.98	1,082.94	1,001.53	81.42	13.301		
17,300.00	7,630.00	7,729.53	7,598.04	145.78	32.06	73.13	-6,068.36	2,462.98	1,182.66	1,100.90	81.75	14.466		
17,400.00	7,630.00	7,727.41	7,595.93	147.46	32.05	71.79	-6,068.40	2,462.98	1,282.41	1,200.36	82.05	15.630		
17,500.00	7,630.00	7,725.30	7,593.82	149.13	32.04	70.47	-6,068.45	2,462.98	1,382.20	1,299.88	82.31	16.792		
17,600.00	7,630.00	7,723.20	7,591.71	150.81	32.04	69.18	-6,068.49	2,462.98	1,482.01	1,399.46	82.55	17.953		
17,700.00	7,630.00	7,721.11	7,589.62	152.49	32.03	67.92	-6,068.53	2,462.99	1,581.84	1,499.08	82.76	19.113		
17,800.00	7,630.00	7,719.02	7,587.54	154.18	32.02	66.68	-6,068.58	2,462.99	1,681.69	1,598.74	82.96	20.272		
17,900.00	7,630.00	7,716.95	7,585.46	155.86	32.02	65.47	-6,068.62	2,463.00	1,781.56	1,698.42	83.14	21.429		
18,000.00	7,630.00	7,714.88	7,583.39	157.55	32.01	64.29	-6,068.67	2,463.00	1,881.44	1,798.13	83.30	22.586		
18,100.00	7,630.00	7,712.82	7,581.33	159.24	32.01	63.14	-6,068.71	2,463.01	1,981.32	1,897.87	83.46	23.741		
18,200.00	7,630.00	7,710.77	7,579.28	160.92	32.00	62.01	-6,068.75	2,463.02	2,081.22	1,997.62	83.60	24.895		
18,300.00	7,630.00	7,708.72	7,577.24	162.62	32.00	60.91	-6,068.79	2,463.03	2,181.12	2,097.39	83.73	26.048		
18,400.00	7,630.00	7,706.69	7,575.20	164.31	31.99	59.83	-6,068.84	2,463.04	2,281.03	2,197.17	83.86	27.200		
18,458.39	7,630.00	7,705.50	7,574.02	165.30	31.99	59.22	-6,068.86	2,463.05	2,339.37	2,255.44	83.93	27.873		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	148.67	-5,442.61	3,312.60	6,371.49					
100.00	100.00	59.23	59.23	0.13	0.09	148.67	-5,442.75	3,312.51	6,371.54	6,371.32	0.22	N/A		
200.00	200.00	165.00	164.99	0.49	0.44	148.69	-5,443.33	3,311.45	6,371.48	6,370.55	0.93	6,853.095		
212.51	212.51	188.52	188.51	0.54	0.52	148.69	-5,443.50	3,311.06	6,371.40	6,370.34	1.06	6,019.089		
300.00	300.00	224.21	224.19	0.85	0.65	148.69	-5,443.93	3,310.62	6,371.76	6,370.26	1.50	4,247.943		
400.00	400.00	255.00	254.98	1.21	0.76	148.70	-5,444.48	3,310.41	6,373.06	6,371.09	1.97	3,236.182		
500.00	500.00	300.73	300.70	1.57	0.92	148.70	-5,445.63	3,310.39	6,375.29	6,372.80	2.49	2,559.873		
600.00	600.00	349.00	348.93	1.93	1.10	148.71	-5,447.33	3,310.77	6,378.57	6,375.55	3.02	2,111.880		
700.00	700.00	384.90	384.79	2.29	1.22	148.71	-5,448.83	3,311.27	6,382.72	6,379.21	3.51	1,820.568		
800.00	800.00	441.00	440.82	2.64	1.43	148.72	-5,451.45	3,312.31	6,387.65	6,383.59	4.06	1,572.493		
900.00	900.00	480.04	479.80	3.00	1.57	148.72	-5,453.55	3,313.21	6,393.40	6,388.84	4.56	1,402.580		
1,000.00	1,000.00	536.00	535.62	3.36	1.77	148.73	-5,457.11	3,314.67	6,400.08	6,394.97	5.11	1,251.345		
1,100.00	1,100.00	536.00	535.62	3.72	1.77	148.73	-5,457.11	3,314.67	6,407.74	6,402.27	5.47	1,171.629		
1,200.00	1,199.98	588.67	588.11	4.07	1.97	97.49	-5,461.22	3,316.31	6,416.49	6,410.48	6.01	1,067.443		
1,300.00	1,299.84	623.00	622.27	4.43	2.10	97.31	-5,464.36	3,317.56	6,426.87	6,420.38	6.48	991.375		
1,400.00	1,399.45	667.75	666.76	4.79	2.28	97.11	-5,468.86	3,319.35	6,438.62	6,431.62	7.00	920.070		
1,500.00	1,498.70	711.00	709.72	5.15	2.44	96.91	-5,473.48	3,321.18	6,451.58	6,444.07	7.51	858.716		
1,600.00	1,597.47	748.20	746.64	5.53	2.59	96.68	-5,477.69	3,323.01	6,465.88	6,457.87	8.02	806.458		
1,700.00	1,695.62	798.00	795.98	5.93	2.79	96.45	-5,483.66	3,326.15	6,481.66	6,473.08	8.58	755.110		
1,800.00	1,793.06	798.00	795.98	6.35	2.79	96.11	-5,483.66	3,326.15	6,498.77	6,489.79	8.98	723.446		
1,900.00	1,889.64	856.13	853.46	6.79	3.04	95.87	-5,491.17	3,330.46	6,517.10	6,507.47	9.63	676.869		
2,000.00	1,985.27	885.00	881.96	7.27	3.16	95.54	-5,495.13	3,332.75	6,536.79	6,526.60	10.19	641.400		
2,100.00	2,079.82	921.27	917.72	7.79	3.31	95.22	-5,500.36	3,335.85	6,557.79	6,546.97	10.82	606.052		
2,200.00	2,173.17	973.00	968.58	8.36	3.54	94.93	-5,508.35	3,340.85	6,580.30	6,568.75	11.55	569.835		
2,300.00	2,265.21	986.48	981.82	8.97	3.60	94.50	-5,510.51	3,342.25	6,603.88	6,591.71	12.17	542.630		
2,400.00	2,355.84	1,060.00	1,053.97	9.64	3.93	94.27	-5,522.42	3,349.79	6,628.47	6,615.39	13.08	506.850		
2,500.00	2,444.94	1,108.78	1,101.81	10.36	4.16	93.94	-5,530.53	3,354.82	6,653.92	6,639.98	13.94	477.350		
2,591.69	2,525.19	1,197.39	1,188.64	11.07	4.57	93.82	-5,545.54	3,364.12	6,678.04	6,663.08	14.96	446.498		
2,600.00	2,532.40	1,209.29	1,200.31	11.14	4.63	93.87	-5,547.52	3,365.37	6,680.23	6,665.16	15.07	443.373		
2,700.00	2,619.15	1,370.47	1,358.61	11.96	5.38	94.57	-5,573.03	3,381.75	6,705.78	6,689.29	16.49	406.775		
2,800.00	2,705.89	1,420.00	1,407.26	12.81	5.61	94.79	-5,581.01	3,386.53	6,731.87	6,714.41	17.46	385.508		
2,900.00	2,792.64	1,478.92	1,465.08	13.67	5.89	95.05	-5,590.82	3,392.15	6,758.68	6,740.18	18.49	365.469		
3,000.00	2,879.39	1,531.57	1,516.72	14.55	6.14	95.28	-5,599.76	3,397.16	6,786.09	6,766.58	19.51	347.860		
3,100.00	2,966.14	1,573.92	1,558.21	15.44	6.35	95.46	-5,607.21	3,401.24	6,814.32	6,793.83	20.49	332.627		
3,200.00	3,052.88	1,621.47	1,604.75	16.34	6.58	95.67	-5,615.85	3,405.86	6,843.36	6,821.87	21.49	318.409		
3,300.00	3,139.63	1,682.00	1,663.92	17.25	6.88	95.94	-5,627.21	3,411.64	6,873.12	6,850.56	22.56	304.670		
3,400.00	3,226.38	1,744.42	1,724.90	18.17	7.19	96.21	-5,639.13	3,417.63	6,903.47	6,879.83	23.64	292.047		
3,500.00	3,313.12	1,891.71	1,868.89	19.09	7.93	96.84	-5,666.44	3,432.16	6,933.86	6,908.76	25.10	276.235		
3,600.00	3,399.87	2,174.94	2,147.05	20.02	9.29	98.01	-5,711.64	3,460.39	6,961.71	6,934.54	27.17	256.249		
3,700.00	3,486.62	2,225.26	2,196.54	20.96	9.53	98.22	-5,719.40	3,465.07	6,990.09	6,961.88	28.21	247.814		
3,800.00	3,573.37	2,274.40	2,244.83	21.90	9.76	98.42	-5,727.24	3,469.66	7,019.18	6,989.94	29.24	240.052		
3,900.00	3,660.11	2,324.79	2,294.31	22.84	10.00	98.63	-5,735.49	3,474.50	7,048.98	7,018.71	30.28	232.809		
4,000.00	3,746.86	2,400.00	2,405.89	23.78	18.09	99.09	-5,753.99	3,486.07	7,079.24	7,041.66	37.58	188.388		
4,100.00	3,833.61	2,528.67	2,494.50	24.73	10.99	99.44	-5,768.06	3,495.16	7,109.16	7,076.33	32.82	216.594		
4,200.00	3,920.35	2,555.00	2,520.36	25.68	11.11	99.55	-5,772.31	3,497.75	7,139.87	7,106.13	33.75	211.576		
4,300.00	4,007.10	2,590.48	2,555.15	26.63	11.29	99.69	-5,778.32	3,501.24	7,171.47	7,136.76	34.71	206.625		
4,400.00	4,093.85	2,643.00	2,606.51	27.59	11.55	99.90	-5,787.97	3,506.45	7,204.21	7,168.46	35.75	201.543		
4,500.00	4,180.60	2,643.00	2,606.51	28.55	11.55	99.90	-5,787.97	3,506.45	7,237.56	7,201.03	36.53	198.152		
4,600.00	4,267.34	2,847.85	2,807.00	29.50	12.58	100.71	-5,824.54	3,527.20	7,270.30	7,232.01	38.30	189.849		
4,700.00	4,354.09	2,905.00	2,862.94	30.46	12.86	100.93	-5,834.39	3,533.44	7,303.44	7,264.09	39.35	185.599		
4,800.00	4,440.84	2,958.54	2,915.31	31.42	13.13	101.14	-5,843.79	3,539.37	7,337.16	7,296.77	40.39	181.677		
4,900.00	4,527.58	3,073.84	3,028.10	32.39	13.71	101.58	-5,864.57	3,551.21	7,371.32	7,329.60	41.72	176.680		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,614.33	3,204.26	3,155.97	33.35	14.35	102.09	-5,887.61	3,562.59	7,404.89	7,361.77	43.12	171.710		
5,100.00	4,701.08	3,281.96	3,232.14	34.31	14.74	102.39	-5,901.15	3,569.72	7,438.73	7,394.46	44.27	168.033		
5,200.00	4,787.82	3,385.22	3,333.41	35.28	15.24	102.78	-5,918.96	3,579.24	7,472.71	7,427.17	45.54	164.098		
5,300.00	4,874.57	3,481.45	3,427.86	36.25	15.71	103.15	-5,935.76	3,586.80	7,506.76	7,459.99	46.77	160.511		
5,400.00	4,961.32	3,568.94	3,513.69	37.21	16.14	103.47	-5,950.36	3,595.42	7,540.96	7,493.00	47.96	157.244		
5,500.00	5,048.07	5,500.00	3,670.94	38.18	25.39	104.06	-5,976.75	3,610.75	7,575.33	7,519.00	56.32	134.495		
5,600.00	5,134.81	3,907.49	3,846.59	39.15	17.75	104.72	-6,004.01	3,625.37	7,608.23	7,557.10	51.13	148.801		
5,700.00	5,221.56	3,970.48	3,908.65	40.12	18.05	104.94	-6,013.39	3,630.69	7,641.35	7,589.16	52.19	146.410		
5,800.00	5,308.31	4,019.07	3,956.47	41.09	18.28	105.12	-6,020.71	3,635.20	7,675.05	7,621.87	53.18	144.323		
5,900.00	5,395.05	4,109.38	4,043.30	42.06	18.71	105.43	-6,034.46	3,644.02	7,709.23	7,654.86	54.37	141.781		
6,000.00	5,481.80	5,214.57	5,141.96	43.03	23.15	109.38	-6,147.18	3,697.68	7,743.48	7,683.53	59.94	129.177		
6,100.00	5,568.55	5,505.27	5,432.55	44.00	24.05	110.42	-6,154.75	3,698.09	7,765.07	7,703.27	61.80	125.650		
6,200.00	5,655.30	5,884.17	5,811.31	44.97	25.06	111.80	-6,156.13	3,689.18	7,785.49	7,721.69	63.80	122.031		
6,300.00	5,742.04	5,975.39	5,902.48	45.94	25.29	112.13	-6,154.53	3,686.88	7,803.87	7,738.96	64.92	120.215		
6,400.00	5,828.79	6,067.48	5,994.54	46.92	25.52	112.45	-6,152.81	3,684.74	7,822.49	7,756.46	66.03	118.465		
6,500.00	5,915.54	6,162.08	6,089.10	47.89	25.76	112.79	-6,150.88	3,682.82	7,841.30	7,774.15	67.15	116.767		
6,600.00	6,002.28	6,261.76	6,188.74	48.86	26.01	113.13	-6,148.64	3,681.12	7,860.29	7,792.00	68.29	115.107		
6,700.00	6,089.03	6,369.35	6,296.28	49.83	26.29	113.50	-6,145.95	3,679.38	7,879.34	7,809.90	69.44	113.469		
6,800.00	6,175.78	6,445.22	6,372.12	50.81	26.49	113.76	-6,143.94	3,678.24	7,898.55	7,828.05	70.50	112.035		
6,900.00	6,262.53	6,510.74	6,437.61	51.78	26.66	113.99	-6,142.33	3,677.49	7,918.26	7,846.73	71.53	110.701		
7,000.00	6,349.27	6,577.73	6,504.58	52.76	26.83	114.21	-6,140.81	3,676.98	7,938.45	7,865.89	72.56	109.412		
7,100.00	6,436.02	6,660.07	6,586.90	53.73	27.06	114.49	-6,138.98	3,676.77	7,959.02	7,885.39	73.63	108.094		
7,200.00	6,522.77	6,742.91	6,669.72	54.71	27.28	114.76	-6,137.08	3,677.09	7,979.89	7,905.18	74.70	106.821		
7,300.00	6,609.51	6,825.77	6,752.55	55.68	27.51	115.03	-6,135.16	3,677.73	8,001.04	7,925.26	75.78	105.586		
7,400.00	6,696.26	6,908.67	6,835.43	56.66	27.75	115.29	-6,133.28	3,678.47	8,022.48	7,945.63	76.85	104.395		
7,500.00	6,783.01	6,991.55	6,918.28	57.63	27.98	115.56	-6,131.43	3,679.29	8,044.20	7,966.28	77.92	103.241		
7,600.00	6,869.76	7,074.46	7,001.17	58.61	28.22	115.82	-6,129.62	3,680.19	8,066.20	7,987.22	78.98	102.127		
7,683.49	6,942.18	7,143.16	7,069.85	59.42	28.42	116.04	-6,128.14	3,680.99	8,084.78	8,004.91	79.87	101.227		
7,700.00	6,956.57	7,156.76	7,083.44	59.58	28.45	113.70	-6,127.86	3,681.16	8,088.25	8,008.20	80.04	101.049		
7,750.00	7,000.85	7,198.56	7,125.23	60.04	28.58	105.58	-6,126.98	3,681.68	8,095.98	8,015.41	80.57	100.484		
7,800.00	7,045.94	7,241.05	7,167.71	60.46	28.70	95.93	-6,126.10	3,682.23	8,099.49	8,018.40	81.09	99.881		
7,850.00	7,091.49	7,287.14	7,213.79	60.84	28.83	85.16	-6,125.16	3,682.84	8,098.77	8,017.16	81.61	99.238		
7,900.00	7,137.15	7,339.88	7,266.51	61.17	28.98	74.05	-6,124.08	3,683.38	8,093.76	8,011.63	82.13	98.549		
7,950.00	7,182.58	7,392.07	7,318.69	61.44	29.13	63.46	-6,123.00	3,683.70	8,084.48	8,001.86	82.62	97.848		
8,000.00	7,227.43	7,443.30	7,369.91	61.67	29.28	54.04	-6,121.93	3,683.82	8,071.01	7,987.93	83.09	97.142		
8,050.00	7,271.36	7,484.33	7,410.93	61.84	29.40	46.02	-6,121.08	3,683.81	8,053.47	7,969.98	83.48	96.466		
8,100.00	7,314.04	7,523.97	7,450.56	61.96	29.51	39.36	-6,120.28	3,683.78	8,032.00	7,948.15	83.85	95.790		
8,150.00	7,355.14	7,562.05	7,488.63	62.04	29.62	33.83	-6,119.52	3,683.73	8,006.78	7,922.59	84.18	95.112		
8,200.00	7,394.34	7,598.29	7,524.86	62.07	29.73	29.20	-6,118.82	3,683.66	7,977.96	7,893.48	84.48	94.437		
8,250.00	7,431.36	7,631.70	7,558.27	62.06	29.82	25.22	-6,118.18	3,683.58	7,945.78	7,861.04	84.74	93.767		
8,300.00	7,465.90	7,661.80	7,588.36	62.01	29.91	21.67	-6,117.62	3,683.53	7,910.47	7,825.51	84.96	93.106		
8,350.00	7,497.71	7,689.46	7,616.02	61.93	29.99	18.36	-6,117.11	3,683.51	7,872.28	7,787.13	85.15	92.452		
8,400.00	7,526.53	7,714.48	7,641.03	61.81	30.07	15.06	-6,116.66	3,683.51	7,831.51	7,746.21	85.30	91.807		
8,450.00	7,552.17	7,736.64	7,663.19	61.66	30.13	11.51	-6,116.26	3,683.54	7,788.45	7,703.03	85.42	91.174		
8,500.00	7,574.41	7,755.77	7,682.32	61.48	30.19	7.29	-6,115.92	3,683.57	7,743.43	7,657.92	85.51	90.554		
8,550.00	7,593.09	7,771.73	7,698.28	61.29	30.23	1.66	-6,115.64	3,683.61	7,696.78	7,611.21	85.57	89.949		
8,600.00	7,608.07	7,784.37	7,710.92	61.07	30.27	-6.91	-6,115.43	3,683.64	7,648.85	7,563.26	85.59	89.361		
8,650.00	7,619.23	7,793.67	7,720.22	60.84	30.30	-21.88	-6,115.27	3,683.67	7,600.01	7,514.42	85.59	88.793		
8,700.00	7,626.48	7,800.09	7,726.63	60.60	30.32	-49.54	-6,115.16	3,683.70	7,550.63	7,465.06	85.57	88.243		
8,750.00	7,629.78	7,802.53	7,729.08	60.35	30.32	-86.11	-6,115.11	3,683.70	7,501.08	7,415.56	85.51	87.718		
8,766.45	7,630.00	7,802.47	7,729.01	60.27	30.32	-96.17	-6,115.12	3,683.70	7,484.81	7,399.32	85.49	87.551		
8,800.00	7,630.00	7,801.89	7,728.44	60.10	30.32	-96.14	-6,115.13	3,683.70	7,451.65	7,366.21	85.44	87.214		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
8,900.00	7,630.00	7,800.18	7,726.72	59.61	30.32	-96.05	-6,115.15	3,683.70	7,352.85	7,267.56	85.29	86.208		
9,000.00	7,630.00	7,798.47	7,725.01	59.15	30.31	-95.97	-6,115.18	3,683.69	7,254.09	7,168.95	85.14	85.201		
9,100.00	7,630.00	7,796.76	7,723.30	58.71	30.31	-95.88	-6,115.21	3,683.68	7,155.36	7,070.38	84.99	84.194		
9,200.00	7,630.00	7,795.05	7,721.59	58.30	30.30	-95.80	-6,115.24	3,683.68	7,056.67	6,971.84	84.83	83.187		
9,300.00	7,630.00	7,793.34	7,719.88	57.91	30.30	-95.71	-6,115.27	3,683.67	6,958.01	6,873.34	84.67	82.179		
9,400.00	7,630.00	7,791.76	7,718.31	57.54	30.29	-95.63	-6,115.30	3,683.67	6,859.39	6,774.88	84.51	81.170		
9,500.00	7,630.00	7,790.22	7,716.76	57.19	30.29	-95.56	-6,115.33	3,683.66	6,760.81	6,676.47	84.34	80.160		
9,600.00	7,630.00	7,788.67	7,715.21	56.87	30.28	-95.48	-6,115.35	3,683.66	6,662.27	6,578.10	84.17	79.150		
9,700.00	7,630.00	7,787.12	7,713.66	56.57	30.28	-95.40	-6,115.38	3,683.65	6,563.78	6,479.78	84.00	78.140		
9,800.00	7,630.00	7,785.57	7,712.11	56.30	30.27	-95.32	-6,115.41	3,683.65	6,465.33	6,381.51	83.82	77.129		
9,900.00	7,630.00	7,784.01	7,710.56	56.05	30.27	-95.25	-6,115.43	3,683.64	6,366.94	6,283.29	83.65	76.118		
10,000.00	7,630.00	7,782.45	7,709.00	55.82	30.26	-95.17	-6,115.46	3,683.64	6,268.59	6,185.12	83.46	75.106		
10,100.00	7,630.00	7,780.89	7,707.44	55.63	30.26	-95.09	-6,115.49	3,683.63	6,170.29	6,087.01	83.28	74.094		
10,200.00	7,630.00	7,779.33	7,705.87	55.46	30.25	-95.01	-6,115.51	3,683.63	6,072.05	5,988.96	83.09	73.081		
10,300.00	7,630.00	7,777.76	7,704.30	55.32	30.25	-94.93	-6,115.54	3,683.62	5,973.87	5,890.97	82.89	72.067		
10,400.00	7,630.00	7,776.19	7,702.73	55.22	30.25	-94.86	-6,115.57	3,683.62	5,875.74	5,793.05	82.69	71.053		
10,500.00	7,630.00	7,774.61	7,701.16	55.15	30.24	-94.78	-6,115.59	3,683.62	5,777.68	5,695.19	82.49	70.039		
10,600.00	7,630.00	7,773.04	7,699.58	55.14	30.24	-94.70	-6,115.62	3,683.61	5,679.69	5,597.41	82.29	69.023		
10,700.00	7,630.00	7,771.45	7,698.00	55.18	30.23	-94.62	-6,115.65	3,683.61	5,581.77	5,499.70	82.08	68.007		
10,800.00	7,630.00	7,769.87	7,696.42	55.28	30.23	-94.54	-6,115.68	3,683.60	5,483.93	5,402.07	81.86	66.990		
10,900.00	7,630.00	7,768.28	7,694.83	55.47	30.22	-94.46	-6,115.70	3,683.60	5,386.16	5,304.52	81.64	65.973		
11,000.00	7,630.00	7,766.69	7,693.24	55.74	30.22	-94.38	-6,115.73	3,683.59	5,288.47	5,207.06	81.42	64.954		
11,100.00	7,630.00	7,765.10	7,691.65	56.11	30.21	-94.30	-6,115.76	3,683.59	5,190.88	5,109.69	81.19	63.934		
11,200.00	7,630.00	7,763.51	7,690.05	56.60	30.21	-94.22	-6,115.79	3,683.59	5,093.37	5,012.41	80.96	62.913		
11,300.00	7,630.00	7,761.91	7,688.45	57.20	30.20	-94.14	-6,115.82	3,683.58	4,995.97	4,915.25	80.72	61.891		
11,400.00	7,630.00	7,760.30	7,686.85	57.91	30.20	-94.06	-6,115.84	3,683.58	4,898.67	4,818.18	80.48	60.867		
11,500.00	7,630.00	7,758.70	7,685.25	58.72	30.19	-93.98	-6,115.87	3,683.58	4,801.47	4,721.24	80.24	59.841		
11,600.00	7,630.00	7,757.09	7,683.64	59.63	30.19	-93.90	-6,115.90	3,683.57	4,704.40	4,624.41	79.99	58.814		
11,700.00	7,630.00	7,755.48	7,682.03	60.61	30.18	-93.82	-6,115.93	3,683.57	4,607.45	4,527.71	79.74	57.784		
11,800.00	7,630.00	7,753.86	7,680.41	61.67	30.18	-93.74	-6,115.96	3,683.57	4,510.63	4,431.15	79.48	56.752		
11,900.00	7,630.00	7,752.24	7,678.79	62.78	30.18	-93.66	-6,115.98	3,683.56	4,413.96	4,334.74	79.22	55.717		
12,000.00	7,630.00	7,750.62	7,677.17	63.95	30.17	-93.58	-6,116.01	3,683.56	4,317.43	4,238.47	78.96	54.680		
12,100.00	7,630.00	7,749.00	7,675.55	65.16	30.17	-93.50	-6,116.04	3,683.56	4,221.07	4,142.37	78.69	53.638		
12,200.00	7,630.00	7,747.37	7,673.92	66.41	30.16	-93.41	-6,116.07	3,683.55	4,124.87	4,046.44	78.43	52.593		
12,300.00	7,630.00	7,745.74	7,672.29	67.68	30.16	-93.33	-6,116.10	3,683.55	4,028.87	3,950.70	78.16	51.544		
12,400.00	7,630.00	7,744.10	7,670.65	68.99	30.15	-93.25	-6,116.13	3,683.55	3,933.06	3,855.16	77.90	50.489		
12,500.00	7,630.00	7,742.47	7,669.02	70.33	30.15	-93.17	-6,116.16	3,683.55	3,837.46	3,759.82	77.64	49.428		
12,600.00	7,630.00	7,740.82	7,667.38	71.68	30.14	-93.09	-6,116.19	3,683.54	3,742.09	3,664.72	77.38	48.361		
12,700.00	7,630.00	7,739.18	7,665.73	73.06	30.14	-93.00	-6,116.22	3,683.54	3,646.98	3,569.85	77.13	47.286		
12,800.00	7,630.00	7,737.53	7,664.08	74.45	30.13	-92.92	-6,116.24	3,683.54	3,552.12	3,475.24	76.88	46.203		
12,900.00	7,630.00	7,735.88	7,662.43	75.87	30.13	-92.84	-6,116.27	3,683.54	3,457.56	3,380.91	76.65	45.109		
13,000.00	7,630.00	7,734.23	7,660.78	77.29	30.12	-92.75	-6,116.30	3,683.53	3,363.31	3,286.88	76.43	44.005		
13,100.00	7,630.00	7,732.57	7,659.12	78.74	30.12	-92.67	-6,116.33	3,683.53	3,269.40	3,193.17	76.23	42.888		
13,200.00	7,630.00	7,730.91	7,657.46	80.19	30.11	-92.59	-6,116.36	3,683.53	3,175.87	3,099.81	76.06	41.757		
13,300.00	7,630.00	7,729.24	7,655.80	81.66	30.11	-92.50	-6,116.39	3,683.53	3,082.74	3,006.82	75.91	40.609		
13,400.00	7,630.00	7,727.58	7,654.13	83.14	30.10	-92.42	-6,116.42	3,683.53	2,990.05	2,914.24	75.81	39.444		
13,500.00	7,630.00	7,725.91	7,652.46	84.63	30.10	-92.34	-6,116.45	3,683.52	2,897.84	2,822.10	75.74	38.258		
13,600.00	7,630.00	7,724.23	7,650.79	86.14	30.09	-92.25	-6,116.48	3,683.52	2,806.17	2,730.43	75.74	37.050		
13,700.00	7,630.00	7,722.55	7,649.11	87.65	30.09	-92.17	-6,116.51	3,683.52	2,715.09	2,639.28	75.80	35.817		
13,800.00	7,630.00	7,720.87	7,647.43	89.17	30.08	-92.08	-6,116.54	3,683.52	2,624.65	2,548.70	75.95	34.557		
13,900.00	7,630.00	7,719.19	7,645.74	90.70	30.08	-92.00	-6,116.57	3,683.52	2,534.93	2,458.73	76.20	33.268		
14,000.00	7,630.00	7,717.50	7,644.05	92.24	30.07	-91.91	-6,116.60	3,683.52	2,446.01	2,369.45	76.56	31.948		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
14,100.00	7,630.00	7,715.81	7,642.36	93.78	30.07	-91.83	-6,116.63	3,683.51	2,357.97	2,280.91	77.06	30.597		
14,200.00	7,630.00	7,714.11	7,640.67	95.33	30.06	-91.74	-6,116.66	3,683.51	2,270.92	2,193.19	77.73	29.214		
14,300.00	7,630.00	7,712.42	7,638.97	96.89	30.06	-91.66	-6,116.69	3,683.51	2,184.98	2,106.39	78.59	27.801		
14,400.00	7,630.00	7,710.71	7,637.27	98.46	30.05	-91.57	-6,116.72	3,683.51	2,100.29	2,020.61	79.68	26.359		
14,500.00	7,630.00	7,709.01	7,635.57	100.03	30.05	-91.49	-6,116.75	3,683.51	2,016.99	1,935.97	81.02	24.895		
14,600.00	7,630.00	7,707.30	7,633.86	101.61	30.04	-91.40	-6,116.79	3,683.51	1,935.28	1,852.62	82.65	23.414		
14,700.00	7,630.00	7,705.59	7,632.14	103.20	30.04	-91.32	-6,116.82	3,683.51	1,855.36	1,770.74	84.62	21.926		
14,800.00	7,630.00	7,703.87	7,630.43	104.78	30.03	-91.23	-6,116.85	3,683.51	1,777.46	1,690.52	86.95	20.443		
14,900.00	7,630.00	7,702.15	7,628.71	106.38	30.03	-91.14	-6,116.88	3,683.51	1,701.88	1,612.20	89.68	18.977		
15,000.00	7,630.00	7,700.43	7,626.99	107.98	30.02	-91.06	-6,116.91	3,683.51	1,628.93	1,536.09	92.85	17.544		
15,100.00	7,630.00	7,698.71	7,625.26	109.58	30.02	-90.97	-6,116.94	3,683.51	1,558.98	1,462.51	96.47	16.160		
15,200.00	7,630.00	7,696.98	7,623.53	111.19	30.01	-90.88	-6,116.97	3,683.51	1,492.46	1,391.88	100.58	14.839		
15,300.00	7,630.00	7,695.24	7,621.80	112.81	30.01	-90.80	-6,117.00	3,683.51	1,429.84	1,324.68	105.16	13.597		
15,400.00	7,630.00	7,693.51	7,620.06	114.42	30.00	-90.71	-6,117.04	3,683.51	1,371.65	1,261.46	110.19	12.448		
15,500.00	7,630.00	7,691.77	7,618.32	116.05	30.00	-90.62	-6,117.07	3,683.51	1,318.49	1,202.85	115.64	11.402		
15,600.00	7,630.00	7,690.02	7,616.58	117.67	29.99	-90.53	-6,117.10	3,683.51	1,270.99	1,149.57	121.41	10.468		
15,700.00	7,630.00	7,688.27	7,614.83	119.30	29.99	-90.44	-6,117.13	3,683.51	1,229.79	1,102.38	127.41	9.653		
15,800.00	7,630.00	7,686.52	7,613.08	120.93	29.98	-90.36	-6,117.16	3,683.51	1,195.55	1,062.10	133.45	8.958		
15,900.00	7,630.00	7,684.77	7,611.33	122.57	29.98	-90.27	-6,117.19	3,683.51	1,168.89	1,029.51	139.38	8.387		
16,000.00	7,630.00	7,683.01	7,609.57	124.21	29.97	-90.18	-6,117.23	3,683.51	1,150.33	1,005.36	144.97	7.935		
16,100.00	7,630.00	7,681.25	7,607.81	125.85	29.97	-90.09	-6,117.26	3,683.51	1,140.27	990.24	150.03	7.600		
16,165.29	7,630.00	7,680.09	7,606.65	126.93	29.97	-90.03	-6,117.28	3,683.51	1,138.40	985.45	152.95	7.443 CC		
16,200.00	7,630.00	7,679.48	7,606.04	127.50	29.96	-90.00	-6,117.29	3,683.51	1,138.93	984.56	154.37	7.378 ES		
16,300.00	7,630.00	7,677.71	7,604.27	129.15	29.96	-89.91	-6,117.32	3,683.51	1,146.34	988.46	157.88	7.261		
16,400.00	7,630.00	7,675.94	7,602.50	130.80	29.95	-89.82	-6,117.36	3,683.51	1,162.34	1,001.84	160.50	7.242 SF		
16,500.00	7,630.00	7,674.16	7,600.72	132.46	29.95	-89.73	-6,117.39	3,683.51	1,186.57	1,024.36	162.21	7.315		
16,600.00	7,630.00	7,672.38	7,598.94	134.11	29.94	-89.64	-6,117.42	3,683.52	1,218.55	1,055.45	163.10	7.471		
16,700.00	7,630.00	7,670.60	7,597.16	135.77	29.94	-89.56	-6,117.46	3,683.52	1,257.69	1,094.44	163.24	7.704		
16,800.00	7,630.00	7,668.81	7,595.37	137.43	29.93	-89.47	-6,117.49	3,683.52	1,303.33	1,140.55	162.78	8.007		
16,900.00	7,630.00	7,667.02	7,593.58	139.10	29.93	-89.37	-6,117.52	3,683.52	1,354.83	1,193.00	161.84	8.372		
17,000.00	7,630.00	7,665.22	7,591.79	140.77	29.92	-89.28	-6,117.55	3,683.52	1,411.55	1,251.02	160.53	8.793		
17,100.00	7,630.00	7,663.42	7,589.99	142.44	29.92	-89.19	-6,117.59	3,683.52	1,472.87	1,313.91	158.96	9.266		
17,200.00	7,630.00	7,661.62	7,588.18	144.11	29.91	-89.10	-6,117.62	3,683.53	1,538.25	1,381.03	157.22	9.784		
17,300.00	7,630.00	7,659.81	7,586.38	145.78	29.91	-89.01	-6,117.66	3,683.53	1,607.20	1,451.82	155.39	10.343		
17,400.00	7,630.00	7,658.00	7,584.57	147.46	29.90	-88.92	-6,117.69	3,683.53	1,679.27	1,525.77	153.50	10.940		
17,500.00	7,630.00	7,656.19	7,582.75	149.13	29.90	-88.83	-6,117.72	3,683.53	1,754.09	1,602.47	151.61	11.569		
17,600.00	7,630.00	7,654.37	7,580.94	150.81	29.89	-88.74	-6,117.76	3,683.54	1,831.30	1,681.55	149.75	12.229		
17,700.00	7,630.00	7,652.55	7,579.11	152.49	29.88	-88.65	-6,117.79	3,683.54	1,910.63	1,762.70	147.93	12.916		
17,800.00	7,630.00	7,650.72	7,577.29	154.18	29.88	-88.56	-6,117.82	3,683.54	1,991.82	1,845.65	146.17	13.627		
17,900.00	7,630.00	7,648.89	7,575.46	155.86	29.87	-88.46	-6,117.86	3,683.54	2,074.65	1,930.17	144.48	14.360		
18,000.00	7,630.00	7,647.06	7,573.63	157.55	29.87	-88.37	-6,117.89	3,683.55	2,158.94	2,016.08	142.86	15.112		
18,100.00	7,630.00	7,645.22	7,571.79	159.24	29.86	-88.28	-6,117.93	3,683.55	2,244.51	2,103.19	141.31	15.883		
18,200.00	7,630.00	7,643.38	7,569.95	160.92	29.86	-88.19	-6,117.96	3,683.55	2,331.23	2,191.38	139.84	16.670		
18,300.00	7,630.00	7,641.54	7,568.10	162.62	29.85	-88.09	-6,118.00	3,683.56	2,418.97	2,280.52	138.45	17.472		
18,400.00	7,630.00	7,640.94	7,567.51	164.31	29.85	-88.06	-6,118.01	3,683.55	2,507.63	2,370.51	137.12	18.288		
18,458.39	7,630.00	7,639.80	7,566.36	165.30	29.85	-88.01	-6,118.03	3,683.55	2,559.79	2,423.41	136.38	18.770		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	161.21	-5,370.64	1,826.85	5,672.86					
100.00	100.00	65.81	65.81	0.13	0.10	161.21	-5,370.76	1,826.80	5,672.97	5,672.74	0.24	N/A		
200.00	200.00	172.71	172.71	0.49	0.42	161.22	-5,371.22	1,826.66	5,673.34	5,672.44	0.91	6,243.904		
300.00	300.00	320.16	320.16	0.85	0.93	161.22	-5,370.96	1,826.53	5,673.16	5,671.38	1.78	3,191.588		
400.00	400.00	420.05	420.05	1.21	1.27	161.22	-5,370.34	1,826.55	5,672.58	5,670.10	2.48	2,286.291		
500.00	500.00	570.44	570.43	1.57	1.80	161.21	-5,368.77	1,827.11	5,671.82	5,668.45	3.37	1,683.575		
600.00	600.00	668.50	668.47	1.93	2.15	161.19	-5,366.77	1,827.87	5,670.14	5,666.06	4.08	1,391.406		
700.00	700.00	754.00	753.94	2.29	2.45	161.18	-5,365.34	1,828.58	5,668.81	5,664.07	4.74	1,196.504		
800.00	800.00	845.19	845.13	2.64	2.78	161.17	-5,363.95	1,829.37	5,667.65	5,662.23	5.42	1,045.431		
900.00	900.00	923.22	923.14	3.00	3.06	161.16	-5,362.85	1,830.23	5,666.70	5,660.64	6.06	935.428		
996.54	996.54	980.63	980.54	3.35	3.26	161.15	-5,362.37	1,831.04	5,666.37	5,659.76	6.61	857.520		
1,000.00	1,000.00	982.68	982.60	3.36	3.27	161.15	-5,362.36	1,831.07	5,666.37	5,659.74	6.63	854.970		
1,100.00	1,100.00	1,059.12	1,059.02	3.72	3.54	161.13	-5,362.14	1,832.39	5,666.64	5,659.39	7.26	780.894		
1,200.00	1,199.98	1,160.67	1,160.56	4.07	3.90	110.04	-5,362.01	1,834.37	5,667.75	5,659.77	7.97	710.976		
1,300.00	1,299.84	1,282.94	1,282.81	4.43	4.33	110.05	-5,361.81	1,835.78	5,669.77	5,661.01	8.76	647.190		
1,400.00	1,399.45	1,375.26	1,375.13	4.79	4.65	110.07	-5,361.74	1,836.12	5,672.81	5,663.37	9.44	600.812		
1,500.00	1,498.70	1,482.14	1,482.02	5.15	5.02	110.11	-5,361.88	1,836.12	5,677.16	5,666.98	10.17	558.070		
1,600.00	1,597.47	1,606.86	1,606.73	5.53	5.45	110.20	-5,361.66	1,835.98	5,682.40	5,671.42	10.98	517.553		
1,700.00	1,695.62	1,700.01	1,699.88	5.93	5.77	110.25	-5,361.34	1,835.81	5,688.72	5,677.02	11.70	486.273		
1,800.00	1,793.06	1,790.49	1,790.36	6.35	6.09	110.30	-5,361.21	1,835.33	5,696.39	5,683.97	12.42	458.484		
1,900.00	1,889.64	1,935.74	1,935.59	6.79	6.59	110.51	-5,360.63	1,833.43	5,704.83	5,691.46	13.36	426.854		
2,000.00	1,985.27	2,019.13	2,018.97	7.27	6.88	110.57	-5,360.22	1,832.10	5,714.50	5,700.38	14.12	404.631		
2,100.00	2,079.82	2,114.58	2,114.41	7.79	7.21	110.67	-5,359.92	1,830.26	5,725.63	5,710.67	14.96	382.815		
2,200.00	2,173.17	2,211.31	2,211.12	8.36	7.55	110.78	-5,359.61	1,828.27	5,738.13	5,722.30	15.83	362.400		
2,300.00	2,265.21	2,304.07	2,303.85	8.97	7.87	110.87	-5,359.27	1,826.35	5,752.06	5,735.32	16.74	343.622		
2,400.00	2,355.84	2,405.06	2,404.81	9.64	8.23	111.00	-5,358.84	1,824.12	5,767.39	5,749.67	17.72	325.484		
2,500.00	2,444.94	2,515.94	2,515.65	10.36	8.62	111.19	-5,358.16	1,820.85	5,783.90	5,765.12	18.78	307.947		
2,591.69	2,525.19	2,572.13	2,571.82	11.07	8.81	111.14	-5,357.85	1,819.25	5,800.54	5,780.90	19.64	295.376		
2,600.00	2,532.40	2,577.19	2,576.87	11.14	8.83	111.16	-5,357.83	1,819.13	5,802.12	5,782.41	19.72	294.266		
2,700.00	2,619.15	2,633.19	2,632.86	11.96	9.03	111.43	-5,357.69	1,817.92	5,821.65	5,800.98	20.66	281.738		
2,800.00	2,705.89	2,686.15	2,685.80	12.81	9.22	111.69	-5,357.83	1,816.90	5,842.03	5,820.41	21.61	270.303		
2,900.00	2,792.64	2,790.62	2,790.26	13.67	9.58	112.19	-5,358.28	1,815.18	5,862.99	5,840.23	22.76	257.601		
3,000.00	2,879.39	3,018.28	3,017.88	14.55	10.39	113.24	-5,355.05	1,812.65	5,882.57	5,858.20	24.36	241.435		
3,100.00	2,966.14	3,098.47	3,098.04	15.44	10.67	113.61	-5,353.13	1,811.82	5,901.97	5,876.53	25.45	231.942		
3,200.00	3,052.88	3,160.58	3,160.13	16.34	10.89	113.89	-5,351.87	1,810.91	5,921.96	5,895.49	26.47	223.754		
3,300.00	3,139.63	3,220.53	3,220.06	17.25	11.11	114.17	-5,350.97	1,809.82	5,942.67	5,915.19	27.48	216.247		
3,400.00	3,226.38	3,277.26	3,276.77	18.17	11.31	114.44	-5,350.49	1,808.31	5,964.14	5,935.66	28.48	209.386		
3,500.00	3,313.12	3,386.64	3,386.08	19.09	11.70	114.96	-5,349.99	1,804.40	5,986.18	5,956.50	29.68	201.693		
3,600.00	3,399.87	3,463.10	3,462.48	20.02	11.97	115.32	-5,349.42	1,801.47	6,008.28	5,977.52	30.75	195.361		
3,700.00	3,486.62	3,546.55	3,545.87	20.96	12.27	115.71	-5,348.96	1,798.36	6,030.92	5,999.06	31.85	189.326		
3,800.00	3,573.37	3,639.97	3,639.25	21.90	12.60	116.14	-5,348.23	1,795.37	6,053.80	6,020.81	32.99	183.501		
3,900.00	3,660.11	3,725.28	3,724.52	22.84	12.91	116.53	-5,347.42	1,793.34	6,077.00	6,042.90	34.10	178.237		
4,000.00	3,746.86	3,806.10	3,805.33	23.78	13.19	116.89	-5,346.63	1,791.68	6,100.57	6,065.39	35.18	173.408		
4,100.00	3,833.61	3,871.42	3,870.63	24.73	13.42	117.17	-5,346.03	1,791.10	6,124.66	6,088.46	36.20	169.181		
4,200.00	3,920.35	3,963.28	3,962.49	25.68	13.74	117.55	-5,345.19	1,791.70	6,149.25	6,111.93	37.32	164.777		
4,300.00	4,007.10	4,057.24	4,056.44	26.63	14.07	117.95	-5,344.15	1,792.01	6,173.93	6,135.49	38.44	160.605		
4,400.00	4,093.85	4,153.58	4,152.78	27.59	14.42	118.35	-5,343.14	1,791.59	6,198.87	6,159.30	39.57	156.643		
4,500.00	4,180.60	4,500.00	4,478.28	28.55	15.65	118.89	-5,341.28	1,790.05	6,223.59	6,181.99	41.60	149.602		
4,600.00	4,267.34	4,454.23	4,453.31	29.50	15.49	119.63	-5,336.57	1,786.88	6,247.24	6,205.01	42.23	147.929		
4,700.00	4,354.09	4,538.64	4,537.68	30.46	15.79	119.98	-5,333.96	1,786.34	6,271.28	6,227.97	43.31	144.805		
4,800.00	4,440.84	4,800.00	4,672.65	31.42	16.72	120.52	-5,329.04	1,786.19	6,295.12	6,250.10	45.02	139.840		
4,900.00	4,527.58	4,825.52	4,824.29	32.39	16.81	121.13	-5,321.97	1,785.38	6,318.20	6,272.31	45.89	137.695		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,614.33	4,891.04	4,889.73	33.35	17.04	121.39	-5,318.91	1,784.60	6,341.62	6,294.74	46.88	135.267		
5,100.00	4,701.08	4,952.02	4,950.65	34.31	17.26	121.64	-5,316.29	1,783.76	6,365.66	6,317.81	47.86	133.013		
5,200.00	4,787.82	5,000.00	4,998.59	35.28	17.43	121.83	-5,314.43	1,783.01	6,390.37	6,341.59	48.78	131.009		
5,300.00	4,874.57	5,041.48	5,040.05	36.25	17.58	122.00	-5,313.09	1,782.29	6,415.94	6,366.27	49.67	129.180		
5,400.00	4,961.32	5,100.00	5,098.54	37.21	17.79	122.23	-5,311.93	1,781.10	6,442.63	6,392.01	50.61	127.292		
5,500.00	5,048.07	5,120.24	5,118.78	38.18	17.86	122.32	-5,311.67	1,780.66	6,470.04	6,418.63	51.40	125.868		
5,600.00	5,134.81	5,190.91	5,189.43	39.15	18.12	122.60	-5,310.89	1,779.28	6,498.17	6,445.79	52.38	124.051		
5,700.00	5,221.56	5,250.52	5,249.03	40.12	18.33	122.83	-5,310.39	1,778.55	6,526.85	6,473.54	53.31	122.430		
5,800.00	5,308.31	5,316.22	5,314.73	41.09	18.56	123.08	-5,310.09	1,778.71	6,556.15	6,501.89	54.26	120.833		
5,900.00	5,395.05	5,422.26	5,420.76	42.06	18.92	123.48	-5,309.54	1,779.70	6,585.65	6,530.30	55.36	118.963		
6,000.00	5,481.80	5,537.78	5,536.28	43.03	19.33	123.91	-5,308.60	1,779.72	6,615.13	6,558.63	56.50	117.085		
6,100.00	5,568.55	5,639.57	5,638.05	44.00	19.69	124.30	-5,307.32	1,778.54	6,644.40	6,586.81	57.58	115.393		
6,200.00	5,655.30	5,715.85	5,714.30	44.97	19.97	124.60	-5,306.46	1,776.76	6,674.03	6,615.48	58.55	113.983		
6,300.00	5,742.04	5,818.85	5,817.27	45.94	20.33	125.00	-5,305.14	1,774.29	6,703.77	6,644.14	59.63	112.428		
6,400.00	5,828.79	5,884.85	5,883.24	46.92	20.57	125.25	-5,304.35	1,772.78	6,733.85	6,673.30	60.55	111.213		
6,500.00	5,915.54	5,976.10	5,974.47	47.89	20.90	125.59	-5,303.40	1,771.02	6,764.31	6,702.74	61.57	109.867		
6,600.00	6,002.28	6,140.19	6,138.54	48.86	21.48	126.19	-5,300.77	1,770.11	6,794.56	6,731.68	62.88	108.055		
6,700.00	6,089.03	6,239.79	6,238.10	49.83	21.83	126.54	-5,298.25	1,770.19	6,824.13	6,760.20	63.93	106.746		
6,800.00	6,175.78	6,300.00	6,298.30	50.81	22.05	126.75	-5,296.94	1,770.04	6,854.24	6,789.43	64.81	105.754		
6,900.00	6,262.53	6,434.56	6,432.81	51.78	22.53	127.22	-5,293.55	1,769.48	6,884.22	6,818.22	65.99	104.318		
7,000.00	6,349.27	6,500.00	6,498.23	52.76	22.76	127.45	-5,291.91	1,769.91	6,914.45	6,847.56	66.89	103.370		
7,100.00	6,436.02	6,547.48	6,545.70	53.73	22.93	127.60	-5,290.95	1,770.56	6,945.28	6,877.57	67.71	102.577		
7,200.00	6,522.77	6,600.00	6,598.21	54.71	23.11	127.78	-5,290.19	1,771.43	6,976.78	6,908.24	68.54	101.792		
7,300.00	6,609.51	6,734.94	6,733.09	55.68	23.58	128.21	-5,287.76	1,774.38	7,008.03	6,938.32	69.71	100.532		
7,400.00	6,696.26	6,800.00	6,798.14	56.66	23.80	128.42	-5,286.73	1,775.06	7,039.78	6,969.20	70.59	99.734		
7,500.00	6,783.01	6,845.69	6,843.82	57.63	23.97	128.57	-5,286.20	1,775.25	7,072.08	7,000.71	71.37	99.085		
7,600.00	6,869.76	6,930.93	6,929.06	58.61	24.26	128.85	-5,285.41	1,775.87	7,104.83	7,032.51	72.32	98.236		
7,683.49	6,942.18	7,031.15	7,029.27	59.42	24.61	129.17	-5,284.15	1,777.06	7,132.03	7,058.80	73.24	97.384		
7,700.00	6,956.57	7,044.40	7,042.51	59.58	24.66	126.75	-5,283.97	1,777.26	7,137.19	7,063.80	73.39	97.252		
7,750.00	7,000.85	7,085.20	7,083.30	60.04	24.80	118.41	-5,283.45	1,777.95	7,150.08	7,076.23	73.86	96.811		
7,800.00	7,045.94	7,131.43	7,129.52	60.46	24.96	108.67	-5,282.87	1,778.77	7,158.79	7,084.44	74.35	96.287		
7,850.00	7,091.49	7,180.56	7,178.64	60.84	25.14	97.90	-5,282.23	1,779.49	7,163.21	7,088.37	74.85	95.702		
7,900.00	7,137.15	7,218.55	7,216.62	61.17	25.27	86.83	-5,281.72	1,779.92	7,163.35	7,088.06	75.29	95.138		
7,950.00	7,182.58	7,249.06	7,247.14	61.44	25.37	76.37	-5,281.37	1,780.23	7,159.29	7,083.59	75.69	94.582		
8,000.00	7,227.43	7,279.16	7,277.23	61.67	25.48	67.19	-5,281.08	1,780.52	7,151.06	7,074.98	76.08	93.998		
8,050.00	7,271.36	7,313.58	7,311.64	61.84	25.60	59.56	-5,280.83	1,780.83	7,138.72	7,062.26	76.46	93.367		
8,100.00	7,314.04	7,358.53	7,356.59	61.96	25.76	53.46	-5,280.50	1,781.19	7,122.29	7,045.43	76.87	92.656		
8,150.00	7,355.14	7,401.72	7,399.78	62.04	25.91	48.67	-5,280.16	1,781.49	7,101.87	7,024.62	77.25	91.932		
8,200.00	7,394.34	7,436.88	7,434.93	62.07	26.03	44.94	-5,279.89	1,781.74	7,077.63	7,000.05	77.58	91.228		
8,250.00	7,431.36	7,470.32	7,468.38	62.06	26.15	42.12	-5,279.66	1,782.01	7,049.76	6,971.87	77.89	90.512		
8,300.00	7,465.90	7,501.66	7,499.71	62.01	26.26	40.05	-5,279.46	1,782.29	7,018.46	6,940.29	78.17	89.788		
8,350.00	7,497.71	7,532.38	7,530.44	61.93	26.37	38.66	-5,279.27	1,782.59	6,983.96	6,905.54	78.43	89.050		
8,400.00	7,526.53	7,560.22	7,558.27	61.81	26.46	37.90	-5,279.11	1,782.87	6,946.52	6,867.86	78.66	88.311		
8,450.00	7,552.17	7,584.96	7,583.01	61.66	26.55	37.78	-5,278.96	1,783.13	6,906.39	6,827.53	78.86	87.573		
8,500.00	7,574.41	7,606.40	7,604.44	61.48	26.62	38.38	-5,278.85	1,783.37	6,863.90	6,784.85	79.04	86.838		
8,550.00	7,593.09	7,615.04	7,613.09	61.29	26.65	39.81	-5,278.81	1,783.46	6,819.35	6,740.20	79.15	86.154		
8,600.00	7,608.07	7,623.97	7,622.02	61.07	26.68	42.63	-5,278.78	1,783.56	6,773.09	6,693.83	79.25	85.460		
8,650.00	7,619.23	7,630.63	7,628.68	60.84	26.71	47.82	-5,278.76	1,783.63	6,725.43	6,646.10	79.34	84.769		
8,700.00	7,626.48	7,634.96	7,633.00	60.60	26.72	57.92	-5,278.75	1,783.67	6,676.75	6,597.34	79.40	84.085		
8,750.00	7,629.78	7,636.90	7,634.95	60.35	26.73	79.81	-5,278.74	1,783.70	6,627.38	6,547.92	79.46	83.410		
8,766.45	7,630.00	7,637.01	7,635.06	60.27	26.73	91.58	-5,278.74	1,783.70	6,611.06	6,531.59	79.47	83.190		
8,800.00	7,630.00	7,636.97	7,635.02	60.10	26.73	91.58	-5,278.74	1,783.70	6,577.73	6,498.23	79.50	82.743		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
8,900.00	7,630.00	7,636.85	7,634.90	59.61	26.73	91.57	-5,278.74	1,783.69	6,478.42	6,398.84	79.58	81.413		
9,000.00	7,630.00	7,636.73	7,634.78	59.15	26.73	91.56	-5,278.74	1,783.69	6,379.13	6,299.47	79.66	80.081		
9,100.00	7,630.00	7,636.61	7,634.65	58.71	26.73	91.55	-5,278.74	1,783.69	6,279.86	6,200.11	79.75	78.749		
9,200.00	7,630.00	7,636.48	7,634.53	58.30	26.73	91.54	-5,278.74	1,783.69	6,180.61	6,100.78	79.84	77.416		
9,300.00	7,630.00	7,636.35	7,634.40	57.91	26.73	91.53	-5,278.74	1,783.69	6,081.40	6,001.46	79.93	76.083		
9,400.00	7,630.00	7,636.23	7,634.27	57.54	26.73	91.52	-5,278.74	1,783.69	5,982.20	5,902.17	80.03	74.749		
9,500.00	7,630.00	7,636.10	7,634.14	57.19	26.72	91.51	-5,278.74	1,783.69	5,883.04	5,802.90	80.13	73.415		
9,600.00	7,630.00	7,635.96	7,634.01	56.87	26.72	91.50	-5,278.74	1,783.69	5,783.90	5,703.66	80.24	72.080		
9,700.00	7,630.00	7,635.83	7,633.88	56.57	26.72	91.49	-5,278.74	1,783.68	5,684.79	5,604.43	80.36	70.745		
9,800.00	7,630.00	7,635.70	7,633.74	56.30	26.72	91.48	-5,278.75	1,783.68	5,585.72	5,505.24	80.47	69.410		
9,900.00	7,630.00	7,635.56	7,633.61	56.05	26.72	91.47	-5,278.75	1,783.68	5,486.67	5,406.07	80.60	68.074		
10,000.00	7,630.00	7,635.42	7,633.47	55.82	26.72	91.46	-5,278.75	1,783.68	5,387.67	5,306.94	80.73	66.738		
10,100.00	7,630.00	7,635.28	7,633.33	55.63	26.72	91.45	-5,278.75	1,783.68	5,288.70	5,207.83	80.86	65.402		
10,200.00	7,630.00	7,635.14	7,633.19	55.46	26.72	91.44	-5,278.75	1,783.68	5,189.77	5,108.76	81.01	64.065		
10,300.00	7,630.00	7,635.00	7,633.04	55.32	26.72	91.43	-5,278.75	1,783.67	5,090.88	5,009.72	81.16	62.729		
10,400.00	7,630.00	7,634.85	7,632.90	55.22	26.72	91.42	-5,278.75	1,783.67	4,992.04	4,910.72	81.31	61.392		
10,500.00	7,630.00	7,634.70	7,632.75	55.15	26.72	91.41	-5,278.75	1,783.67	4,893.24	4,811.76	81.48	60.056		
10,600.00	7,630.00	7,634.55	7,632.60	55.14	26.72	91.39	-5,278.75	1,783.67	4,794.49	4,712.84	81.65	58.720		
10,700.00	7,630.00	7,634.40	7,632.45	55.18	26.72	91.38	-5,278.75	1,783.67	4,695.80	4,613.97	81.83	57.383		
10,800.00	7,630.00	7,634.25	7,632.29	55.28	26.72	91.37	-5,278.75	1,783.67	4,597.16	4,515.14	82.02	56.047		
10,900.00	7,630.00	7,634.09	7,632.14	55.47	26.72	91.36	-5,278.75	1,783.67	4,498.59	4,416.36	82.22	54.711		
11,000.00	7,630.00	7,633.93	7,631.98	55.74	26.72	91.35	-5,278.75	1,783.66	4,400.07	4,317.64	82.44	53.376		
11,100.00	7,630.00	7,633.77	7,631.82	56.11	26.72	91.34	-5,278.75	1,783.66	4,301.63	4,218.97	82.66	52.041		
11,200.00	7,630.00	7,633.61	7,631.66	56.60	26.72	91.32	-5,278.75	1,783.66	4,203.26	4,120.37	82.89	50.707		
11,300.00	7,630.00	7,633.45	7,631.49	57.20	26.72	91.31	-5,278.75	1,783.66	4,104.97	4,021.83	83.14	49.373		
11,400.00	7,630.00	7,633.28	7,631.33	57.91	26.71	91.30	-5,278.75	1,783.66	4,006.76	3,923.36	83.40	48.041		
11,500.00	7,630.00	7,633.11	7,631.16	58.72	26.71	91.29	-5,278.75	1,783.65	3,908.64	3,824.96	83.68	46.709		
11,600.00	7,630.00	7,632.94	7,630.99	59.63	26.71	91.27	-5,278.75	1,783.65	3,810.62	3,726.65	83.98	45.378		
11,700.00	7,630.00	7,632.77	7,630.81	60.61	26.71	91.26	-5,278.75	1,783.65	3,712.71	3,628.42	84.29	44.048		
11,800.00	7,630.00	7,632.59	7,630.64	61.67	26.71	91.25	-5,278.75	1,783.65	3,614.91	3,530.29	84.62	42.720		
11,900.00	7,630.00	7,632.41	7,630.46	62.78	26.71	91.23	-5,278.75	1,783.65	3,517.24	3,432.27	84.97	41.393		
12,000.00	7,630.00	7,632.23	7,630.28	63.95	26.71	91.22	-5,278.75	1,783.65	3,419.70	3,334.35	85.35	40.069		
12,100.00	7,630.00	7,632.05	7,630.09	65.16	26.71	91.21	-5,278.75	1,783.64	3,322.30	3,236.56	85.75	38.746		
12,200.00	7,630.00	7,631.86	7,629.91	66.41	26.71	91.19	-5,278.75	1,783.64	3,225.07	3,138.90	86.17	37.425		
12,300.00	7,630.00	7,631.67	7,629.72	67.68	26.71	91.18	-5,278.75	1,783.64	3,128.01	3,041.38	86.63	36.108		
12,400.00	7,630.00	7,631.48	7,629.52	68.99	26.71	91.16	-5,278.75	1,783.64	3,031.14	2,944.02	87.12	34.793		
12,500.00	7,630.00	7,631.28	7,629.33	70.33	26.71	91.15	-5,278.76	1,783.64	2,934.48	2,846.83	87.65	33.481		
12,600.00	7,630.00	7,631.08	7,629.13	71.68	26.71	91.13	-5,278.76	1,783.63	2,838.05	2,749.84	88.21	32.173		
12,700.00	7,630.00	7,630.88	7,628.93	73.06	26.71	91.12	-5,278.76	1,783.63	2,741.88	2,653.06	88.82	30.870		
12,800.00	7,630.00	7,630.68	7,628.72	74.45	26.71	91.10	-5,278.76	1,783.63	2,645.99	2,556.51	89.48	29.571		
12,900.00	7,630.00	7,630.47	7,628.52	75.87	26.71	91.09	-5,278.76	1,783.63	2,550.42	2,460.23	90.19	28.278		
13,000.00	7,630.00	7,630.26	7,628.30	77.29	26.70	91.07	-5,278.76	1,783.62	2,455.20	2,364.24	90.96	26.991		
13,100.00	7,630.00	7,630.04	7,628.09	78.74	26.70	91.06	-5,278.76	1,783.62	2,360.38	2,268.57	91.80	25.712		
13,200.00	7,630.00	7,629.83	7,627.87	80.19	26.70	91.04	-5,278.76	1,783.62	2,266.00	2,173.28	92.72	24.440		
13,300.00	7,630.00	7,629.60	7,627.65	81.66	26.70	91.02	-5,278.76	1,783.62	2,172.12	2,078.41	93.71	23.178		
13,400.00	7,630.00	7,629.38	7,627.43	83.14	26.70	91.01	-5,278.76	1,783.61	2,078.82	1,984.01	94.81	21.927		
13,500.00	7,630.00	7,629.15	7,627.20	84.63	26.70	90.99	-5,278.76	1,783.61	1,986.16	1,890.16	96.00	20.688		
13,600.00	7,630.00	7,628.92	7,626.97	86.14	26.70	90.97	-5,278.76	1,783.61	1,894.26	1,796.94	97.32	19.464		
13,700.00	7,630.00	7,628.68	7,626.73	87.65	26.70	90.95	-5,278.76	1,783.61	1,803.21	1,704.44	98.77	18.256		
13,800.00	7,630.00	7,628.44	7,626.49	89.17	26.70	90.94	-5,278.76	1,783.60	1,713.17	1,612.79	100.37	17.068		
13,900.00	7,630.00	7,628.20	7,626.24	90.70	26.70	90.92	-5,278.76	1,783.60	1,624.29	1,522.14	102.14	15.902		
14,000.00	7,630.00	7,627.95	7,626.00	92.24	26.70	90.90	-5,278.76	1,783.60	1,536.77	1,432.67	104.10	14.762		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
14,100.00	7,630.00	7,627.70	7,625.74	93.78	26.70	90.88	-5,278.76	1,783.60	1,450.88	1,344.60	106.27	13.652		
14,200.00	7,630.00	7,627.44	7,625.49	95.33	26.69	90.86	-5,278.77	1,783.59	1,366.90	1,258.23	108.67	12.578		
14,300.00	7,630.00	7,627.18	7,625.22	96.89	26.69	90.84	-5,278.77	1,783.59	1,285.21	1,173.90	111.31	11.546		
14,400.00	7,630.00	7,626.91	7,624.96	98.46	26.69	90.82	-5,278.77	1,783.59	1,206.29	1,092.08	114.21	10.562		
14,500.00	7,630.00	7,626.64	7,624.69	100.03	26.69	90.80	-5,278.77	1,783.59	1,130.71	1,013.34	117.37	9.634		
14,600.00	7,630.00	7,626.36	7,624.41	101.61	26.69	90.78	-5,278.77	1,783.58	1,059.18	938.44	120.74	8.772		
14,700.00	7,630.00	7,626.08	7,624.13	103.20	26.69	90.76	-5,278.77	1,783.58	992.59	868.32	124.27	7.987		
14,800.00	7,630.00	7,625.80	7,623.84	104.78	26.69	90.74	-5,278.77	1,783.58	931.99	804.14	127.84	7.290		
14,900.00	7,630.00	7,625.51	7,623.55	106.38	26.69	90.72	-5,278.77	1,783.57	878.61	747.36	131.25	6.694		
15,000.00	7,630.00	7,625.21	7,623.26	107.98	26.69	90.69	-5,278.77	1,783.57	833.86	699.64	134.22	6.213		
15,100.00	7,630.00	7,624.91	7,622.95	109.58	26.69	90.67	-5,278.77	1,783.57	799.18	662.78	136.40	5.859		
15,200.00	7,630.00	7,624.60	7,622.65	111.19	26.69	90.65	-5,278.77	1,783.56	775.92	638.50	137.43	5.646		
15,300.00	7,630.00	7,624.28	7,622.33	112.81	26.68	90.62	-5,278.78	1,783.56	765.13	628.11	137.01	5.584 SF		
15,333.18	7,630.00	7,624.18	7,622.23	113.34	26.68	90.62	-5,278.78	1,783.56	764.41	627.87	136.54	5.599 CC, ES		
15,400.00	7,630.00	7,623.96	7,622.01	114.42	26.68	90.60	-5,278.78	1,783.56	767.32	632.25	135.07	5.681		
15,500.00	7,630.00	7,623.64	7,621.68	116.05	26.68	90.58	-5,278.78	1,783.55	782.40	650.66	131.74	5.939		
15,600.00	7,630.00	7,623.30	7,621.35	117.67	26.68	90.55	-5,278.78	1,783.55	809.64	682.28	127.35	6.358		
15,700.00	7,630.00	7,622.97	7,621.01	119.30	26.68	90.53	-5,278.78	1,783.55	847.86	725.52	122.34	6.930		
15,800.00	7,630.00	7,622.62	7,620.67	120.93	26.68	90.50	-5,278.78	1,783.54	895.68	778.55	117.13	7.647		
15,900.00	7,630.00	7,622.27	7,620.31	122.57	26.68	90.47	-5,278.78	1,783.54	951.63	839.60	112.03	8.495		
16,000.00	7,630.00	7,621.90	7,619.95	124.21	26.68	90.45	-5,278.78	1,783.53	1,014.38	907.13	107.24	9.458		
16,100.00	7,630.00	7,621.54	7,619.58	125.85	26.67	90.42	-5,278.78	1,783.53	1,082.74	979.84	102.90	10.522		
16,200.00	7,630.00	7,621.16	7,619.21	127.50	26.67	90.39	-5,278.79	1,783.53	1,155.72	1,056.69	99.03	11.671		
16,300.00	7,630.00	7,620.78	7,618.82	129.15	26.67	90.36	-5,278.79	1,783.52	1,232.50	1,136.87	95.63	12.888		
16,400.00	7,630.00	7,620.38	7,618.43	130.80	26.67	90.33	-5,278.79	1,783.52	1,312.40	1,219.73	92.68	14.161		
16,500.00	7,630.00	7,619.98	7,618.03	132.46	26.67	90.30	-5,278.79	1,783.51	1,394.91	1,304.78	90.13	15.477		
16,600.00	7,630.00	7,619.57	7,617.62	134.11	26.67	90.27	-5,278.79	1,783.51	1,479.57	1,391.64	87.93	16.826		
16,700.00	7,630.00	7,619.16	7,617.20	135.77	26.67	90.24	-5,278.79	1,783.50	1,566.04	1,479.99	86.05	18.199		
16,800.00	7,630.00	7,618.73	7,616.77	137.43	26.67	90.21	-5,278.79	1,783.50	1,654.04	1,569.60	84.44	19.588		
16,900.00	7,630.00	7,618.29	7,616.34	139.10	26.66	90.18	-5,278.80	1,783.50	1,743.33	1,660.27	83.06	20.989		
17,000.00	7,630.00	7,617.84	7,615.89	140.77	26.66	90.14	-5,278.80	1,783.49	1,833.73	1,751.85	81.88	22.395		
17,100.00	7,630.00	7,617.38	7,615.43	142.44	26.66	90.11	-5,278.80	1,783.49	1,925.08	1,844.21	80.87	23.805		
17,200.00	7,630.00	7,616.91	7,614.96	144.11	26.66	90.07	-5,278.80	1,783.48	2,017.25	1,937.24	80.00	25.214		
17,300.00	7,630.00	7,616.43	7,614.48	145.78	26.66	90.04	-5,278.80	1,783.48	2,110.13	2,030.87	79.26	26.622		
17,400.00	7,630.00	7,615.94	7,613.99	147.46	26.66	90.00	-5,278.80	1,783.47	2,203.63	2,125.01	78.63	28.026		
17,500.00	7,630.00	7,615.44	7,613.49	149.13	26.65	89.96	-5,278.81	1,783.46	2,297.69	2,219.60	78.08	29.426		
17,600.00	7,630.00	7,614.92	7,612.97	150.81	26.65	89.92	-5,278.81	1,783.46	2,392.22	2,314.60	77.62	30.820		
17,700.00	7,630.00	7,614.39	7,612.44	152.49	26.65	89.88	-5,278.81	1,783.45	2,487.18	2,409.96	77.22	32.209		
17,800.00	7,630.00	7,613.85	7,611.90	154.18	26.65	89.84	-5,278.81	1,783.45	2,582.52	2,505.64	76.88	33.592		
17,900.00	7,630.00	7,613.29	7,611.34	155.86	26.65	89.80	-5,278.82	1,783.44	2,678.21	2,601.62	76.59	34.969		
18,000.00	7,630.00	7,612.72	7,610.77	157.55	26.64	89.76	-5,278.82	1,783.43	2,774.19	2,697.85	76.34	36.340		
18,100.00	7,630.00	7,612.14	7,610.19	159.24	26.64	89.71	-5,278.82	1,783.43	2,870.45	2,794.32	76.13	37.704		
18,200.00	7,630.00	7,611.54	7,609.58	160.92	26.64	89.67	-5,278.82	1,783.42	2,966.96	2,891.01	75.95	39.063		
18,300.00	7,630.00	7,610.92	7,608.97	162.62	26.64	89.62	-5,278.83	1,783.42	3,063.69	2,987.89	75.81	40.415		
18,400.00	7,630.00	7,610.29	7,608.33	164.31	26.64	89.58	-5,278.83	1,783.41	3,160.63	3,084.94	75.68	41.762		
18,458.39	7,630.00	7,609.91	7,607.95	165.30	26.63	89.55	-5,278.83	1,783.40	3,217.31	3,141.70	75.62	42.546		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	134.41	-5,617.76	5,734.07	8,027.43					
100.00	100.00	71.00	71.00	0.13	0.55	134.41	-5,617.76	5,734.07	8,027.38	8,026.70	0.68	N/A		
200.00	200.00	171.00	171.00	0.49	2.01	134.41	-5,617.76	5,734.07	8,027.38	8,024.88	2.50	3,210.914		
300.00	300.00	271.00	271.00	0.85	3.75	134.41	-5,617.76	5,734.07	8,027.38	8,022.77	4.60	1,743.630		
400.00	400.00	371.00	371.00	1.21	5.50	134.41	-5,617.76	5,734.07	8,027.38	8,020.67	6.71	1,196.753		
500.00	500.00	471.00	471.00	1.57	7.24	134.41	-5,617.76	5,734.07	8,027.38	8,018.56	8.81	911.018		
600.00	600.00	571.00	571.00	1.93	8.99	134.41	-5,617.76	5,734.07	8,027.38	8,016.46	10.92	735.429		
700.00	700.00	671.00	671.00	2.29	10.73	134.41	-5,617.76	5,734.07	8,027.38	8,014.36	13.02	616.588		
800.00	800.00	771.00	771.00	2.64	12.48	134.41	-5,617.76	5,734.07	8,027.38	8,012.25	15.12	530.812		
900.00	900.00	871.00	871.00	3.00	14.22	134.41	-5,617.76	5,734.07	8,027.38	8,010.15	17.23	465.986		
1,000.00	1,000.00	971.00	971.00	3.36	15.97	134.41	-5,617.76	5,734.07	8,027.38	8,008.05	19.33	415.271		
1,100.00	1,100.00	1,071.00	1,071.00	3.72	17.72	134.41	-5,617.76	5,734.07	8,027.38	8,005.94	21.43	374.512		
1,200.00	1,199.98	1,170.98	1,170.98	4.07	19.46	83.36	-5,617.76	5,734.07	8,027.17	8,003.64	23.53	341.083		
1,300.00	1,299.84	1,270.84	1,270.84	4.43	21.20	83.41	-5,617.76	5,734.07	8,026.57	8,000.94	25.63	313.163		
1,400.00	1,399.45	1,370.45	1,370.45	4.79	22.94	83.49	-5,617.76	5,734.07	8,025.57	7,997.85	27.73	289.453		
1,500.00	1,498.70	1,469.70	1,469.70	5.15	24.67	83.60	-5,617.76	5,734.07	8,024.19	7,994.37	29.82	269.051		
1,600.00	1,597.47	1,568.47	1,568.47	5.53	26.40	83.75	-5,617.76	5,734.07	8,022.45	7,990.52	31.93	251.290		
1,700.00	1,695.62	1,666.62	1,666.62	5.93	28.11	83.92	-5,617.76	5,734.07	8,020.36	7,986.33	34.03	235.667		
1,800.00	1,793.06	1,764.06	1,764.06	6.35	29.81	84.13	-5,617.76	5,734.07	8,017.96	7,981.81	36.15	221.796		
1,900.00	1,889.64	1,860.64	1,860.64	6.79	31.50	84.36	-5,617.76	5,734.07	8,015.27	7,976.99	38.28	209.379		
2,000.00	1,985.27	1,956.27	1,956.27	7.27	33.17	84.62	-5,617.76	5,734.07	8,012.34	7,971.91	40.43	198.182		
2,100.00	2,079.82	2,050.82	2,050.82	7.79	34.82	84.90	-5,617.76	5,734.07	8,009.19	7,966.59	42.60	188.020		
2,200.00	2,173.17	2,144.17	2,144.17	8.36	36.45	85.20	-5,617.76	5,734.07	8,005.88	7,961.09	44.79	178.745		
2,300.00	2,265.21	2,236.21	2,236.21	8.97	38.05	85.53	-5,617.76	5,734.07	8,002.45	7,955.45	47.01	170.238		
2,400.00	2,355.84	2,326.84	2,326.84	9.64	39.63	85.87	-5,617.76	5,734.07	7,998.96	7,949.71	49.25	162.403		
2,500.00	2,444.94	2,415.94	2,415.94	10.36	41.19	86.23	-5,617.76	5,734.07	7,995.45	7,943.92	51.53	155.159		
2,591.69	2,525.19	2,503.81	2,496.19	11.07	42.72	86.57	-5,617.76	5,734.07	7,992.28	7,938.50	53.78	148.615		
2,600.00	2,532.40	2,503.40	2,503.40	11.14	42.72	86.60	-5,617.76	5,734.07	7,991.99	7,938.15	53.84	148.445		
2,700.00	2,619.15	2,609.85	2,590.15	11.96	44.57	86.91	-5,617.76	5,734.07	7,988.74	7,932.22	56.52	141.346		
2,800.00	2,705.89	2,676.89	2,676.89	12.81	45.74	87.22	-5,617.76	5,734.07	7,985.80	7,927.27	58.54	136.427		
2,900.00	2,792.64	2,763.64	2,763.64	13.67	47.26	87.52	-5,617.76	5,734.07	7,983.17	7,922.26	60.91	131.057		
3,000.00	2,879.39	2,850.39	2,850.39	14.55	48.77	87.83	-5,617.76	5,734.07	7,980.85	7,917.55	63.31	126.064		
3,100.00	2,966.14	2,937.14	2,937.14	15.44	50.29	88.14	-5,617.76	5,734.07	7,978.84	7,913.13	65.71	121.416		
3,200.00	3,052.88	3,023.88	3,023.88	16.34	51.80	88.45	-5,617.76	5,734.07	7,977.14	7,909.01	68.13	117.084		
3,300.00	3,139.63	3,110.63	3,110.63	17.25	53.31	88.76	-5,617.76	5,734.07	7,975.75	7,905.19	70.56	113.038		
3,400.00	3,226.38	3,202.62	3,197.38	18.17	54.92	89.07	-5,617.76	5,734.07	7,974.67	7,901.58	73.08	109.118		
3,500.00	3,313.12	3,284.12	3,284.12	19.09	56.34	89.38	-5,617.76	5,734.07	7,973.89	7,898.46	75.43	105.711		
3,600.00	3,399.87	3,370.87	3,370.87	20.02	57.86	89.69	-5,617.76	5,734.07	7,973.43	7,895.56	77.88	102.386		
3,698.59	3,485.40	3,456.40	3,456.40	20.94	59.35	90.00	-5,617.76	5,734.07	7,973.28	7,892.99	80.29	99.304		
3,700.00	3,486.62	3,457.62	3,457.62	20.96	59.37	90.00	-5,617.76	5,734.07	7,973.28	7,892.96	80.33	99.262		
3,800.00	3,573.37	3,544.37	3,544.37	21.90	60.88	90.31	-5,617.76	5,734.07	7,973.44	7,890.66	82.78	96.322		
3,900.00	3,660.11	3,631.11	3,631.11	22.84	62.40	90.62	-5,617.76	5,734.07	7,973.91	7,888.68	85.24	93.551		
4,000.00	3,746.86	3,717.86	3,717.86	23.78	63.91	90.93	-5,617.76	5,734.07	7,974.69	7,887.00	87.69	90.937		
4,100.00	3,833.61	3,804.61	3,804.61	24.73	65.43	91.24	-5,617.76	5,734.07	7,975.78	7,885.63	90.16	88.467		
4,200.00	3,920.35	3,908.65	3,891.35	25.68	67.24	91.55	-5,617.76	5,734.07	7,977.18	7,884.26	92.92	85.849		
4,300.00	4,007.10	3,978.10	3,978.10	26.63	68.45	91.86	-5,617.76	5,734.07	7,978.89	7,883.81	95.08	83.915		
4,400.00	4,093.85	4,064.85	4,064.85	27.59	69.97	92.17	-5,617.76	5,734.07	7,980.91	7,883.37	97.55	81.815		
4,500.00	4,180.60	4,151.60	4,151.60	28.55	71.48	92.48	-5,617.76	5,734.07	7,983.24	7,883.23	100.01	79.821		
4,600.00	4,267.34	4,238.34	4,238.34	29.50	73.00	92.79	-5,617.76	5,734.07	7,985.88	7,883.40	102.48	77.925		
4,700.00	4,354.09	4,325.09	4,325.09	30.46	74.51	93.10	-5,617.76	5,734.07	7,988.83	7,883.88	104.95	76.121		
4,800.00	4,440.84	4,411.84	4,411.84	31.42	76.02	93.41	-5,617.76	5,734.07	7,992.09	7,884.67	107.42	74.403		
4,900.00	4,527.58	4,501.42	4,498.58	32.39	77.59	93.72	-5,617.76	5,734.07	7,995.65	7,885.72	109.93	72.733		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
5,000.00	4,614.33	4,585.33	4,585.33	33.35	79.05	94.03	-5,617.76	5,734.07	7,999.53	7,887.18	112.35	71.202		
5,100.00	4,701.08	4,672.08	4,672.08	34.31	80.57	94.34	-5,617.76	5,734.07	8,003.71	7,888.89	114.82	69.709		
5,200.00	4,787.82	4,758.82	4,758.82	35.28	82.08	94.65	-5,617.76	5,734.07	8,008.19	7,890.91	117.28	68.282		
5,300.00	4,874.57	4,845.57	4,845.57	36.25	83.59	94.95	-5,617.76	5,734.07	8,012.99	7,893.24	119.74	66.917		
5,400.00	4,961.32	4,932.32	4,932.32	37.21	85.11	95.26	-5,617.76	5,734.07	8,018.08	7,895.88	122.21	65.610		
5,500.00	5,048.07	5,019.07	5,019.07	38.18	86.62	95.57	-5,617.76	5,734.07	8,023.49	7,898.82	124.67	64.357		
5,600.00	5,134.81	5,105.81	5,105.81	39.15	88.14	95.88	-5,617.76	5,734.07	8,029.20	7,902.07	127.13	63.157		
5,700.00	5,221.56	5,207.44	5,192.56	40.12	89.91	96.18	-5,617.76	5,734.07	8,035.21	7,905.36	129.85	61.880		
5,800.00	5,308.31	5,279.31	5,279.31	41.09	91.16	96.49	-5,617.76	5,734.07	8,041.53	7,909.48	132.05	60.898		
5,900.00	5,395.05	5,366.05	5,366.05	42.06	92.68	96.79	-5,617.76	5,734.07	8,048.15	7,913.64	134.51	59.835		
6,000.00	5,481.80	5,452.80	5,452.80	43.03	94.19	97.10	-5,617.76	5,734.07	8,055.07	7,918.11	136.96	58.813		
6,100.00	5,568.55	5,539.55	5,539.55	44.00	95.71	97.41	-5,617.76	5,734.07	8,062.29	7,922.87	139.41	57.830		
6,200.00	5,655.30	5,626.30	5,626.30	44.97	97.22	97.71	-5,617.76	5,734.07	8,069.81	7,927.95	141.86	56.884		
6,300.00	5,742.04	5,713.04	5,713.04	45.94	98.73	98.01	-5,617.76	5,734.07	8,077.63	7,933.32	144.31	55.973		
6,400.00	5,828.79	5,800.21	5,799.79	46.92	100.26	98.32	-5,617.76	5,734.07	8,085.75	7,938.98	146.77	55.093		
6,500.00	5,915.54	5,886.54	5,886.54	47.89	101.76	98.62	-5,617.76	5,734.07	8,094.17	7,944.96	149.20	54.249		
6,600.00	6,002.28	5,973.28	5,973.28	48.86	103.28	98.92	-5,617.76	5,734.07	8,102.88	7,951.24	151.64	53.433		
6,700.00	6,089.03	6,060.03	6,060.03	49.83	104.79	99.23	-5,617.76	5,734.07	8,111.89	7,957.81	154.08	52.646		
6,800.00	6,175.78	6,146.78	6,146.78	50.81	106.30	99.53	-5,617.76	5,734.07	8,121.20	7,964.67	156.52	51.886		
6,900.00	6,262.53	6,233.53	6,233.53	51.78	107.82	99.83	-5,617.76	5,734.07	8,130.79	7,971.84	158.96	51.151		
7,000.00	6,349.27	6,320.27	6,320.27	52.76	109.33	100.13	-5,617.76	5,734.07	8,140.68	7,979.30	161.39	50.442		
7,100.00	6,436.02	6,407.02	6,407.02	53.73	110.85	100.43	-5,617.76	5,734.07	8,150.87	7,987.05	163.82	49.756		
7,200.00	6,522.77	6,506.23	6,493.77	54.71	112.58	100.73	-5,617.76	5,734.07	8,161.34	7,994.88	166.46	49.029		
7,300.00	6,609.51	6,580.51	6,580.51	55.68	113.87	101.03	-5,617.76	5,734.07	8,172.10	8,003.44	168.66	48.452		
7,400.00	6,696.26	6,667.26	6,667.26	56.66	115.39	101.33	-5,617.76	5,734.07	8,183.15	8,012.07	171.09	47.831		
7,500.00	6,783.01	6,754.01	6,754.01	57.63	116.90	101.63	-5,617.76	5,734.07	8,194.49	8,020.99	173.50	47.230		
7,600.00	6,869.76	6,840.76	6,840.76	58.61	118.42	101.92	-5,617.76	5,734.07	8,206.12	8,030.20	175.92	46.648		
7,683.49	6,942.18	6,913.18	6,913.18	59.42	119.68	102.17	-5,617.76	5,734.07	8,216.04	8,038.11	177.93	46.176		
7,700.00	6,956.57	6,927.57	6,927.57	59.58	119.93	99.86	-5,617.76	5,734.07	8,217.81	8,039.48	178.33	46.083		
7,750.00	7,000.85	6,971.85	6,971.85	60.04	120.70	91.73	-5,617.76	5,734.07	8,220.54	8,041.01	179.53	45.789		
7,800.00	7,045.94	7,016.94	7,016.94	60.46	121.49	82.00	-5,617.76	5,734.07	8,219.31	8,038.58	180.73	45.479		
7,850.00	7,091.49	7,062.49	7,062.49	60.84	122.29	71.04	-5,617.76	5,734.07	8,214.12	8,032.22	181.90	45.157		
7,900.00	7,137.15	7,108.15	7,108.15	61.17	123.08	59.61	-5,617.76	5,734.07	8,204.98	8,021.94	183.04	44.826		
7,950.00	7,182.58	7,153.58	7,153.58	61.44	123.88	48.60	-5,617.76	5,734.07	8,191.97	8,007.83	184.14	44.488		
8,000.00	7,227.43	7,201.57	7,198.43	61.67	124.71	38.64	-5,617.76	5,734.07	8,175.16	7,989.92	185.24	44.132		
8,050.00	7,271.36	7,242.36	7,242.36	61.84	125.43	29.95	-5,617.76	5,734.07	8,154.68	7,968.50	186.18	43.800		
8,100.00	7,314.04	7,285.04	7,285.04	61.96	126.17	22.44	-5,617.76	5,734.07	8,130.66	7,943.55	187.11	43.454		
8,150.00	7,355.14	7,326.14	7,326.14	62.04	126.89	15.88	-5,617.76	5,734.07	8,103.29	7,915.32	187.97	43.109		
8,200.00	7,394.34	7,365.34	7,365.34	62.07	127.57	9.95	-5,617.76	5,734.07	8,072.77	7,884.01	188.76	42.767		
8,250.00	7,431.36	7,402.36	7,402.36	62.06	128.22	4.38	-5,617.76	5,734.07	8,039.33	7,849.85	189.47	42.430		
8,300.00	7,465.90	7,436.90	7,436.90	62.01	128.82	-1.12	-5,617.76	5,734.07	8,003.20	7,813.10	190.11	42.099		
8,350.00	7,497.71	7,468.71	7,468.71	61.93	129.38	-6.86	-5,617.76	5,734.07	7,964.68	7,774.03	190.66	41.775		
8,400.00	7,526.53	7,502.47	7,497.53	61.81	129.97	-13.14	-5,617.76	5,734.07	7,924.06	7,732.85	191.21	41.442		
8,450.00	7,552.17	7,523.17	7,523.17	61.66	130.33	-20.32	-5,617.76	5,734.07	7,881.64	7,690.14	191.50	41.158		
8,500.00	7,574.41	7,545.41	7,545.41	61.48	130.71	-28.74	-5,617.76	5,734.07	7,837.76	7,645.97	191.79	40.867		
8,550.00	7,593.09	7,564.09	7,564.09	61.29	131.04	-38.70	-5,617.76	5,734.07	7,792.75	7,600.76	191.99	40.589		
8,600.00	7,608.07	7,579.07	7,579.07	61.07	131.30	-50.21	-5,617.76	5,734.07	7,746.98	7,554.88	192.10	40.328		
8,650.00	7,619.23	7,609.77	7,590.23	60.84	131.84	-62.75	-5,617.76	5,734.07	7,700.80	7,508.33	192.47	40.011		
8,700.00	7,626.48	7,602.52	7,597.48	60.60	131.71	-75.27	-5,617.76	5,734.07	7,654.57	7,462.42	192.15	39.836		
8,750.00	7,629.78	7,600.78	7,600.78	60.35	131.68	-86.64	-5,617.76	5,734.07	7,608.66	7,416.75	191.92	39.646		
8,766.45	7,630.00	7,601.00	7,601.00	60.27	131.69	-90.00	-5,617.76	5,734.07	7,593.69	7,401.84	191.85	39.582		
8,800.00	7,630.00	7,601.00	7,601.00	60.10	131.69	-90.00	-5,617.76	5,734.07	7,563.25	7,371.55	191.70	39.453		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
8,900.00	7,630.00	7,601.00	7,601.00	59.61	131.69	-90.00	-5,617.76	5,734.07	7,472.68	7,281.41	191.27	39.069		
9,000.00	7,630.00	7,601.00	7,601.00	59.15	131.69	-90.00	-5,617.76	5,734.07	7,382.36	7,191.53	190.83	38.685		
9,100.00	7,630.00	7,601.00	7,601.00	58.71	131.69	-90.00	-5,617.76	5,734.07	7,292.29	7,101.90	190.39	38.302		
9,200.00	7,630.00	7,601.00	7,601.00	58.30	131.69	-90.00	-5,617.76	5,734.07	7,202.48	7,012.53	189.94	37.919		
9,300.00	7,630.00	7,601.00	7,601.00	57.91	131.69	-90.00	-5,617.76	5,734.07	7,112.94	6,923.45	189.49	37.537		
9,400.00	7,630.00	7,601.00	7,601.00	57.54	131.69	-90.00	-5,617.76	5,734.07	7,023.68	6,834.64	189.04	37.154		
9,500.00	7,630.00	7,601.00	7,601.00	57.19	131.69	-90.00	-5,617.76	5,734.07	6,934.72	6,746.14	188.59	36.772		
9,600.00	7,630.00	7,601.00	7,601.00	56.87	131.69	-90.00	-5,617.76	5,734.07	6,846.06	6,657.93	188.13	36.390		
9,700.00	7,630.00	7,601.00	7,601.00	56.57	131.69	-90.00	-5,617.76	5,734.07	6,757.72	6,570.05	187.67	36.009		
9,800.00	7,630.00	7,601.00	7,601.00	56.30	131.69	-90.00	-5,617.76	5,734.07	6,669.71	6,482.50	187.21	35.627		
9,900.00	7,630.00	7,601.00	7,601.00	56.05	131.69	-90.00	-5,617.76	5,734.07	6,582.04	6,395.29	186.75	35.245		
10,000.00	7,630.00	7,601.00	7,601.00	55.82	131.69	-90.00	-5,617.76	5,734.07	6,494.73	6,308.43	186.29	34.863		
10,100.00	7,630.00	7,601.00	7,601.00	55.63	131.69	-90.00	-5,617.76	5,734.07	6,407.78	6,221.95	185.84	34.480		
10,200.00	7,630.00	7,601.00	7,601.00	55.46	131.69	-90.00	-5,617.76	5,734.07	6,321.23	6,135.84	185.39	34.098		
10,300.00	7,630.00	7,601.00	7,601.00	55.32	131.69	-90.00	-5,617.76	5,734.07	6,235.07	6,050.14	184.94	33.714		
10,400.00	7,630.00	7,601.00	7,601.00	55.22	131.69	-90.00	-5,617.76	5,734.07	6,149.34	5,964.84	184.50	33.330		
10,500.00	7,630.00	7,601.00	7,601.00	55.15	131.69	-90.00	-5,617.76	5,734.07	6,064.04	5,879.98	184.07	32.945		
10,600.00	7,630.00	7,601.00	7,601.00	55.14	131.69	-90.00	-5,617.76	5,734.07	5,979.20	5,795.55	183.65	32.558		
10,700.00	7,630.00	7,601.00	7,601.00	55.18	131.69	-90.00	-5,617.76	5,734.07	5,894.83	5,711.60	183.24	32.171		
10,800.00	7,630.00	7,601.00	7,601.00	55.28	131.69	-90.00	-5,617.76	5,734.07	5,810.96	5,628.12	182.84	31.781		
10,900.00	7,630.00	7,601.00	7,601.00	55.47	131.69	-90.00	-5,617.76	5,734.07	5,727.61	5,545.14	182.47	31.390		
11,000.00	7,630.00	7,601.00	7,601.00	55.74	131.69	-90.00	-5,617.76	5,734.07	5,644.80	5,462.69	182.11	30.997		
11,100.00	7,630.00	7,601.00	7,601.00	56.11	131.69	-90.00	-5,617.76	5,734.07	5,562.55	5,380.77	181.78	30.601		
11,200.00	7,630.00	7,601.00	7,601.00	56.60	131.69	-90.00	-5,617.76	5,734.07	5,480.89	5,299.42	181.47	30.203		
11,300.00	7,630.00	7,601.00	7,601.00	57.20	131.69	-90.00	-5,617.76	5,734.07	5,399.85	5,218.66	181.20	29.801		
11,400.00	7,630.00	7,601.00	7,601.00	57.91	131.69	-90.00	-5,617.76	5,734.07	5,319.46	5,138.50	180.96	29.396		
11,500.00	7,630.00	7,601.00	7,601.00	58.72	131.69	-90.00	-5,617.76	5,734.07	5,239.74	5,058.98	180.76	28.988		
11,600.00	7,630.00	7,601.00	7,601.00	59.63	131.69	-90.00	-5,617.76	5,734.07	5,160.73	4,980.12	180.60	28.575		
11,700.00	7,630.00	7,601.00	7,601.00	60.61	131.69	-90.00	-5,617.76	5,734.07	5,082.45	4,901.95	180.50	28.158		
11,800.00	7,630.00	7,601.00	7,601.00	61.67	131.69	-90.00	-5,617.76	5,734.07	5,004.95	4,824.50	180.45	27.736		
11,900.00	7,630.00	7,601.00	7,601.00	62.78	131.69	-90.00	-5,617.76	5,734.07	4,928.26	4,747.80	180.46	27.310		
12,000.00	7,630.00	7,601.00	7,601.00	63.95	131.69	-90.00	-5,617.76	5,734.07	4,852.42	4,671.89	180.54	26.878		
12,100.00	7,630.00	7,601.00	7,601.00	65.16	131.69	-90.00	-5,617.76	5,734.07	4,777.47	4,596.78	180.69	26.441		
12,200.00	7,630.00	7,601.00	7,601.00	66.41	131.69	-90.00	-5,617.76	5,734.07	4,703.45	4,522.54	180.91	25.998		
12,300.00	7,630.00	7,601.00	7,601.00	67.68	131.69	-90.00	-5,617.76	5,734.07	4,630.41	4,449.18	181.23	25.551		
12,400.00	7,630.00	7,601.00	7,601.00	68.99	131.69	-90.00	-5,617.76	5,734.07	4,558.39	4,376.76	181.63	25.097		
12,500.00	7,630.00	7,601.00	7,601.00	70.33	131.69	-90.00	-5,617.76	5,734.07	4,487.44	4,305.32	182.12	24.639		
12,600.00	7,630.00	7,601.00	7,601.00	71.68	131.69	-90.00	-5,617.76	5,734.07	4,417.62	4,234.90	182.72	24.177		
12,700.00	7,630.00	7,601.00	7,601.00	73.06	131.69	-90.00	-5,617.76	5,734.07	4,348.97	4,165.55	183.43	23.709		
12,800.00	7,630.00	7,601.00	7,601.00	74.45	131.69	-90.00	-5,617.76	5,734.07	4,281.57	4,097.32	184.24	23.239		
12,900.00	7,630.00	7,601.00	7,601.00	75.87	131.69	-90.00	-5,617.76	5,734.07	4,215.45	4,030.28	185.17	22.765		
13,000.00	7,630.00	7,601.00	7,601.00	77.29	131.69	-90.00	-5,617.76	5,734.07	4,150.69	3,964.48	186.22	22.289		
13,100.00	7,630.00	7,601.00	7,601.00	78.74	131.69	-90.00	-5,617.76	5,734.07	4,087.36	3,899.97	187.38	21.813		
13,200.00	7,630.00	7,601.00	7,601.00	80.19	131.69	-90.00	-5,617.76	5,734.07	4,025.51	3,836.84	188.67	21.336		
13,300.00	7,630.00	7,601.00	7,601.00	81.66	131.69	-90.00	-5,617.76	5,734.07	3,965.22	3,775.14	190.08	20.861		
13,400.00	7,630.00	7,601.00	7,601.00	83.14	131.69	-90.00	-5,617.76	5,734.07	3,906.55	3,714.94	191.61	20.388		
13,500.00	7,630.00	7,601.00	7,601.00	84.63	131.69	-90.00	-5,617.76	5,734.07	3,849.60	3,656.33	193.26	19.919		
13,600.00	7,630.00	7,601.00	7,601.00	86.14	131.69	-90.00	-5,617.76	5,734.07	3,794.42	3,599.38	195.04	19.455		
13,700.00	7,630.00	7,601.00	7,601.00	87.65	131.69	-90.00	-5,617.76	5,734.07	3,741.10	3,544.18	196.92	18.998		
13,800.00	7,630.00	7,601.00	7,601.00	89.17	131.69	-90.00	-5,617.76	5,734.07	3,689.72	3,490.80	198.93	18.548		
13,900.00	7,630.00	7,601.00	7,601.00	90.70	131.69	-90.00	-5,617.76	5,734.07	3,640.37	3,439.33	201.04	18.108		
14,000.00	7,630.00	7,601.00	7,601.00	92.24	131.69	-90.00	-5,617.76	5,734.07	3,593.12	3,389.87	203.25	17.678		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<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 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		
14,100.00	7,630.00	7,601.00	7,601.00	93.78	131.69	-90.00	-5,617.76	5,734.07	3,548.06	3,342.50	205.56	17.261		
14,200.00	7,630.00	7,601.00	7,601.00	95.33	131.69	-90.00	-5,617.76	5,734.07	3,505.28	3,297.32	207.96	16.856		
14,300.00	7,630.00	7,601.00	7,601.00	96.89	131.69	-90.00	-5,617.76	5,734.07	3,464.85	3,254.41	210.44	16.465		
14,400.00	7,630.00	7,601.00	7,601.00	98.46	131.69	-90.00	-5,617.76	5,734.07	3,426.87	3,213.88	212.99	16.089		
14,500.00	7,630.00	7,601.00	7,601.00	100.03	131.69	-90.00	-5,617.76	5,734.07	3,391.41	3,175.80	215.61	15.729		
14,600.00	7,630.00	7,601.00	7,601.00	101.61	131.69	-90.00	-5,617.76	5,734.07	3,358.55	3,140.27	218.28	15.386		
14,700.00	7,630.00	7,601.00	7,601.00	103.20	131.69	-90.00	-5,617.76	5,734.07	3,328.38	3,107.38	221.00	15.061		
14,800.00	7,630.00	7,601.00	7,601.00	104.78	131.69	-90.00	-5,617.76	5,734.07	3,300.96	3,077.22	223.74	14.753		
14,900.00	7,630.00	7,601.00	7,601.00	106.38	131.69	-90.00	-5,617.76	5,734.07	3,276.36	3,049.86	226.51	14.465		
15,000.00	7,630.00	7,601.00	7,601.00	107.98	131.69	-90.00	-5,617.76	5,734.07	3,254.66	3,025.38	229.28	14.195		
15,100.00	7,630.00	7,601.00	7,601.00	109.58	131.69	-90.00	-5,617.76	5,734.07	3,235.89	3,003.85	232.04	13.945		
15,200.00	7,630.00	7,601.00	7,601.00	111.19	131.69	-90.00	-5,617.76	5,734.07	3,220.13	2,985.34	234.79	13.715		
15,300.00	7,630.00	7,601.00	7,601.00	112.81	131.69	-90.00	-5,617.76	5,734.07	3,207.41	2,969.90	237.51	13.504		
15,400.00	7,630.00	7,601.00	7,601.00	114.42	131.69	-90.00	-5,617.76	5,734.07	3,197.76	2,957.58	240.19	13.314		
15,500.00	7,630.00	7,601.00	7,601.00	116.05	131.69	-90.00	-5,617.76	5,734.07	3,191.22	2,948.41	242.81	13.143		
15,600.00	7,630.00	7,601.00	7,601.00	117.67	131.69	-90.00	-5,617.76	5,734.07	3,187.81	2,942.44	245.37	12.992		
15,658.87	7,630.00	7,601.00	7,601.00	118.63	131.69	-90.00	-5,617.76	5,734.07	3,187.27	2,940.43	246.84	12.912 CC		
15,700.00	7,630.00	7,601.00	7,601.00	119.30	131.69	-90.00	-5,617.76	5,734.07	3,187.53	2,939.68	247.85	12.861 ES		
15,800.00	7,630.00	7,601.00	7,601.00	120.93	131.69	-90.00	-5,617.76	5,734.07	3,190.39	2,940.14	250.25	12.749		
15,900.00	7,630.00	7,601.00	7,601.00	122.57	131.69	-90.00	-5,617.76	5,734.07	3,196.38	2,943.82	252.56	12.656		
16,000.00	7,630.00	7,601.00	7,601.00	124.21	131.69	-90.00	-5,617.76	5,734.07	3,205.47	2,950.71	254.76	12.582		
16,100.00	7,630.00	7,601.00	7,601.00	125.85	131.69	-90.00	-5,617.76	5,734.07	3,217.65	2,960.79	256.86	12.527		
16,200.00	7,630.00	7,601.00	7,601.00	127.50	131.69	-90.00	-5,617.76	5,734.07	3,232.88	2,974.03	258.85	12.489		
16,300.00	7,630.00	7,601.00	7,601.00	129.15	131.69	-90.00	-5,617.76	5,734.07	3,251.11	2,990.39	260.72	12.470		
16,400.00	7,630.00	7,601.00	7,601.00	130.80	131.69	-90.00	-5,617.76	5,734.07	3,272.30	3,009.82	262.48	12.467 SF		
16,500.00	7,630.00	7,601.00	7,601.00	132.46	131.69	-90.00	-5,617.76	5,734.07	3,296.39	3,032.27	264.11	12.481		
16,600.00	7,630.00	7,601.00	7,601.00	134.11	131.69	-90.00	-5,617.76	5,734.07	3,323.31	3,057.68	265.63	12.511		
16,700.00	7,630.00	7,601.00	7,601.00	135.77	131.69	-90.00	-5,617.76	5,734.07	3,353.00	3,085.97	267.03	12.557		
16,800.00	7,630.00	7,601.00	7,601.00	137.43	131.69	-90.00	-5,617.76	5,734.07	3,385.39	3,117.07	268.32	12.617		
16,900.00	7,630.00	7,601.00	7,601.00	139.10	131.69	-90.00	-5,617.76	5,734.07	3,420.39	3,150.91	269.48	12.692		
17,000.00	7,630.00	7,601.00	7,601.00	140.77	131.69	-90.00	-5,617.76	5,734.07	3,457.93	3,187.39	270.54	12.781		
17,100.00	7,630.00	7,601.00	7,601.00	142.44	131.69	-90.00	-5,617.76	5,734.07	3,497.93	3,226.44	271.49	12.884		
17,200.00	7,630.00	7,601.00	7,601.00	144.11	131.69	-90.00	-5,617.76	5,734.07	3,540.30	3,267.96	272.34	12.999		
17,300.00	7,630.00	7,601.00	7,601.00	145.78	131.69	-90.00	-5,617.76	5,734.07	3,584.97	3,311.87	273.09	13.127		
17,400.00	7,630.00	7,601.00	7,601.00	147.46	131.69	-90.00	-5,617.76	5,734.07	3,631.83	3,358.08	273.75	13.267		
17,500.00	7,630.00	7,601.00	7,601.00	149.13	131.69	-90.00	-5,617.76	5,734.07	3,680.82	3,406.50	274.32	13.418		
17,600.00	7,630.00	7,601.00	7,601.00	150.81	131.69	-90.00	-5,617.76	5,734.07	3,731.84	3,457.04	274.81	13.580		
17,700.00	7,630.00	7,601.00	7,601.00	152.49	131.69	-90.00	-5,617.76	5,734.07	3,784.82	3,509.61	275.21	13.752		
17,800.00	7,630.00	7,601.00	7,601.00	154.18	131.69	-90.00	-5,617.76	5,734.07	3,839.68	3,564.13	275.55	13.935		
17,900.00	7,630.00	7,601.00	7,601.00	155.86	131.69	-90.00	-5,617.76	5,734.07	3,896.32	3,620.50	275.82	14.126		
18,000.00	7,630.00	7,601.00	7,601.00	157.55	131.69	-90.00	-5,617.76	5,734.07	3,954.69	3,678.66	276.03	14.327		
18,100.00	7,630.00	7,601.00	7,601.00	159.24	131.69	-90.00	-5,617.76	5,734.07	4,014.70	3,738.52	276.18	14.537		
18,200.00	7,630.00	7,601.00	7,601.00	160.92	131.69	-90.00	-5,617.76	5,734.07	4,076.27	3,800.00	276.27	14.754		
18,300.00	7,630.00	7,601.00	7,601.00	162.62	131.69	-90.00	-5,617.76	5,734.07	4,139.35	3,863.03	276.32	14.980		
18,400.00	7,630.00	7,601.00	7,601.00	164.31	131.69	-90.00	-5,617.76	5,734.07	4,203.86	3,927.54	276.33	15.213		
18,458.39	7,630.00	7,601.00	7,601.00	165.30	131.69	-90.00	-5,617.76	5,734.07	4,242.17	3,965.86	276.31	15.353		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	134.20	-4,823.78	4,960.65	6,919.48					
100.00	100.00	52.00	52.00	0.13	0.40	134.20	-4,823.78	4,960.65	6,919.31	6,918.78	0.53	N/A		
200.00	200.00	152.00	152.00	0.49	1.68	134.20	-4,823.78	4,960.65	6,919.31	6,917.14	2.17	3,190.952		
300.00	300.00	252.00	252.00	0.85	3.42	134.20	-4,823.78	4,960.65	6,919.31	6,915.04	4.27	1,619.607		
400.00	400.00	352.00	352.00	1.21	5.17	134.20	-4,823.78	4,960.65	6,919.31	6,912.93	6.38	1,085.209		
500.00	500.00	452.00	452.00	1.57	6.91	134.20	-4,823.78	4,960.65	6,919.31	6,910.83	8.48	815.974		
600.00	600.00	552.00	552.00	1.93	8.66	134.20	-4,823.78	4,960.65	6,919.31	6,908.73	10.58	653.775		
700.00	700.00	652.00	652.00	2.29	10.40	134.20	-4,823.78	4,960.65	6,919.31	6,906.62	12.69	545.368		
800.00	800.00	752.00	752.00	2.64	12.15	134.20	-4,823.78	4,960.65	6,919.31	6,904.52	14.79	467.798		
900.00	900.00	852.00	852.00	3.00	13.89	134.20	-4,823.78	4,960.65	6,919.31	6,902.42	16.90	409.547		
1,000.00	1,000.00	952.00	952.00	3.36	15.64	134.20	-4,823.78	4,960.65	6,919.31	6,900.31	19.00	364.197		
1,100.00	1,100.00	1,052.00	1,052.00	3.72	17.38	134.20	-4,823.78	4,960.65	6,919.31	6,898.21	21.10	327.889		
1,200.00	1,199.98	1,151.98	1,151.98	4.07	19.13	83.15	-4,823.78	4,960.65	6,919.10	6,895.90	23.20	298.202		
1,300.00	1,299.84	1,251.84	1,251.84	4.43	20.87	83.20	-4,823.78	4,960.65	6,918.48	6,893.18	25.30	273.469		
1,400.00	1,399.45	1,351.45	1,351.45	4.79	22.61	83.30	-4,823.78	4,960.65	6,917.45	6,890.06	27.40	252.507		
1,500.00	1,498.70	1,450.70	1,450.70	5.15	24.34	83.42	-4,823.78	4,960.65	6,916.03	6,886.54	29.49	234.502		
1,600.00	1,597.47	1,549.47	1,549.47	5.53	26.07	83.59	-4,823.78	4,960.65	6,914.24	6,882.65	31.59	218.851		
1,700.00	1,695.62	1,647.62	1,647.62	5.93	27.78	83.78	-4,823.78	4,960.65	6,912.10	6,878.40	33.70	205.101		
1,800.00	1,793.06	1,745.06	1,745.06	6.35	29.48	84.01	-4,823.78	4,960.65	6,909.65	6,873.83	35.82	192.908		
1,900.00	1,889.64	1,841.64	1,841.64	6.79	31.17	84.27	-4,823.78	4,960.65	6,906.92	6,868.97	37.95	182.003		
2,000.00	1,985.27	1,937.27	1,937.27	7.27	32.83	84.56	-4,823.78	4,960.65	6,903.94	6,863.85	40.10	172.179		
2,100.00	2,079.82	2,031.82	2,031.82	7.79	34.48	84.88	-4,823.78	4,960.65	6,900.78	6,858.51	42.27	163.271		
2,200.00	2,173.17	2,125.17	2,125.17	8.36	36.11	85.22	-4,823.78	4,960.65	6,897.47	6,853.01	44.46	155.147		
2,300.00	2,265.21	2,217.21	2,217.21	8.97	37.72	85.59	-4,823.78	4,960.65	6,894.07	6,847.40	46.68	147.700		
2,400.00	2,355.84	2,307.84	2,307.84	9.64	39.30	85.98	-4,823.78	4,960.65	6,890.65	6,841.72	48.92	140.847		
2,500.00	2,444.94	2,403.06	2,396.94	10.36	40.96	86.38	-4,823.78	4,960.65	6,887.25	6,835.95	51.31	134.236		
2,591.69	2,525.19	2,477.19	2,477.19	11.07	42.26	86.76	-4,823.78	4,960.65	6,884.23	6,830.91	53.32	129.123		
2,600.00	2,532.40	2,484.40	2,484.40	11.14	42.38	86.79	-4,823.78	4,960.65	6,883.96	6,830.45	53.51	128.653		
2,700.00	2,619.15	2,571.15	2,571.15	11.96	43.90	87.15	-4,823.78	4,960.65	6,880.93	6,825.08	55.85	123.213		
2,800.00	2,705.89	2,657.89	2,657.89	12.81	45.41	87.51	-4,823.78	4,960.65	6,878.26	6,820.05	58.21	118.171		
2,900.00	2,792.64	2,744.64	2,744.64	13.67	46.93	87.87	-4,823.78	4,960.65	6,875.95	6,815.36	60.59	113.492		
3,000.00	2,879.39	2,831.39	2,831.39	14.55	48.44	88.23	-4,823.78	4,960.65	6,874.00	6,811.02	62.98	109.146		
3,100.00	2,966.14	2,918.14	2,918.14	15.44	49.95	88.59	-4,823.78	4,960.65	6,872.40	6,807.02	65.39	105.104		
3,200.00	3,052.88	3,004.88	3,004.88	16.34	51.47	88.95	-4,823.78	4,960.65	6,871.17	6,803.37	67.80	101.339		
3,300.00	3,139.63	3,108.37	3,091.63	17.25	53.27	89.31	-4,823.78	4,960.65	6,870.30	6,799.78	70.52	97.420		
3,400.00	3,226.38	3,178.38	3,178.38	18.17	54.50	89.67	-4,823.78	4,960.65	6,869.79	6,797.12	72.66	94.542		
3,492.14	3,306.31	3,258.31	3,258.31	19.02	55.89	90.00	-4,823.78	4,960.65	6,869.64	6,794.72	74.91	91.704		
3,500.00	3,313.12	3,265.12	3,265.12	19.09	56.01	90.03	-4,823.78	4,960.65	6,869.64	6,794.53	75.10	91.470		
3,600.00	3,399.87	3,351.87	3,351.87	20.02	57.52	90.39	-4,823.78	4,960.65	6,869.84	6,792.30	77.55	88.589		
3,700.00	3,486.62	3,438.62	3,438.62	20.96	59.04	90.75	-4,823.78	4,960.65	6,870.41	6,790.42	80.00	85.885		
3,800.00	3,573.37	3,525.37	3,525.37	21.90	60.55	91.11	-4,823.78	4,960.65	6,871.34	6,788.89	82.45	83.342		
3,900.00	3,660.11	3,612.11	3,612.11	22.84	62.07	91.47	-4,823.78	4,960.65	6,872.63	6,787.73	84.90	80.947		
4,000.00	3,746.86	3,701.14	3,698.86	23.78	63.62	91.83	-4,823.78	4,960.65	6,874.28	6,786.88	87.40	78.653		
4,100.00	3,833.61	3,785.61	3,785.61	24.73	65.09	92.19	-4,823.78	4,960.65	6,876.29	6,786.47	89.82	76.558		
4,200.00	3,920.35	3,872.35	3,872.35	25.68	66.61	92.55	-4,823.78	4,960.65	6,878.66	6,786.38	92.28	74.542		
4,300.00	4,007.10	3,959.10	3,959.10	26.63	68.12	92.91	-4,823.78	4,960.65	6,881.38	6,786.64	94.74	72.635		
4,400.00	4,093.85	4,045.85	4,045.85	27.59	69.64	93.26	-4,823.78	4,960.65	6,884.47	6,787.26	97.20	70.827		
4,500.00	4,180.60	4,132.60	4,132.60	28.55	71.15	93.62	-4,823.78	4,960.65	6,887.91	6,788.25	99.66	69.112		
4,600.00	4,267.34	4,219.34	4,219.34	29.50	72.66	93.98	-4,823.78	4,960.65	6,891.71	6,789.58	102.12	67.483		
4,700.00	4,354.09	4,306.09	4,306.09	30.46	74.18	94.34	-4,823.78	4,960.65	6,895.87	6,791.28	104.59	65.935		
4,800.00	4,440.84	4,407.16	4,392.84	31.42	75.94	94.70	-4,823.78	4,960.65	6,900.38	6,793.08	107.30	64.311		
4,900.00	4,527.58	4,479.58	4,479.58	32.39	77.21	95.05	-4,823.78	4,960.65	6,905.25	6,795.74	109.51	63.057		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
5,000.00	4,614.33	4,566.33	4,566.33	33.35	78.72	95.41	-4,823.78	4,960.65	6,910.47	6,798.50	111.97	61.719		
5,100.00	4,701.08	4,653.08	4,653.08	34.31	80.23	95.77	-4,823.78	4,960.65	6,916.05	6,801.62	114.42	60.442		
5,200.00	4,787.82	4,739.82	4,739.82	35.28	81.75	96.12	-4,823.78	4,960.65	6,921.98	6,805.10	116.88	59.223		
5,300.00	4,874.57	4,826.57	4,826.57	36.25	83.26	96.48	-4,823.78	4,960.65	6,928.26	6,808.92	119.34	58.057		
5,400.00	4,961.32	4,913.32	4,913.32	37.21	84.78	96.83	-4,823.78	4,960.65	6,934.89	6,813.10	121.79	56.942		
5,500.00	5,048.07	5,000.07	5,000.07	38.18	86.29	97.19	-4,823.78	4,960.65	6,941.88	6,817.64	124.24	55.875		
5,600.00	5,134.81	5,086.81	5,086.81	39.15	87.80	97.54	-4,823.78	4,960.65	6,949.21	6,822.52	126.69	54.853		
5,700.00	5,221.56	5,173.56	5,173.56	40.12	89.32	97.90	-4,823.78	4,960.65	6,956.89	6,827.76	129.14	53.873		
5,800.00	5,308.31	5,260.31	5,260.31	41.09	90.83	98.25	-4,823.78	4,960.65	6,964.92	6,833.34	131.58	52.933		
5,900.00	5,395.05	5,347.05	5,347.05	42.06	92.35	98.60	-4,823.78	4,960.65	6,973.29	6,839.27	134.02	52.031		
6,000.00	5,481.80	5,433.80	5,433.80	43.03	93.86	98.95	-4,823.78	4,960.65	6,982.01	6,845.55	136.46	51.165		
6,100.00	5,568.55	5,520.55	5,520.55	44.00	95.37	99.30	-4,823.78	4,960.65	6,991.07	6,852.17	138.90	50.333		
6,200.00	5,655.30	5,607.30	5,607.30	44.97	96.89	99.65	-4,823.78	4,960.65	7,000.47	6,859.14	141.33	49.532		
6,300.00	5,742.04	5,694.04	5,694.04	45.94	98.41	100.00	-4,823.78	4,960.65	7,010.22	6,866.25	143.97	48.692		
6,400.00	5,828.79	5,780.79	5,780.79	46.92	99.92	100.35	-4,823.78	4,960.65	7,020.30	6,874.11	146.19	48.022		
6,500.00	5,915.54	5,867.54	5,867.54	47.89	101.43	100.70	-4,823.78	4,960.65	7,030.72	6,882.11	148.61	47.309		
6,600.00	6,002.28	5,954.28	5,954.28	48.86	102.94	101.05	-4,823.78	4,960.65	7,041.48	6,890.44	151.04	46.621		
6,700.00	6,089.03	6,041.03	6,041.03	49.83	104.46	101.39	-4,823.78	4,960.65	7,052.57	6,899.11	153.45	45.959		
6,800.00	6,175.78	6,127.78	6,127.78	50.81	105.97	101.74	-4,823.78	4,960.65	7,063.99	6,908.12	155.87	45.321		
6,900.00	6,262.53	6,214.53	6,214.53	51.78	107.49	102.08	-4,823.78	4,960.65	7,075.74	6,917.47	158.28	44.705		
7,000.00	6,349.27	6,301.27	6,301.27	52.76	109.00	102.43	-4,823.78	4,960.65	7,087.83	6,927.14	160.68	44.110		
7,100.00	6,436.02	6,388.02	6,388.02	53.73	110.51	102.77	-4,823.78	4,960.65	7,100.24	6,937.15	163.09	43.536		
7,200.00	6,522.77	6,474.77	6,474.77	54.71	112.03	103.11	-4,823.78	4,960.65	7,112.98	6,947.49	165.49	42.982		
7,300.00	6,609.51	6,561.51	6,561.51	55.68	113.54	103.45	-4,823.78	4,960.65	7,126.04	6,958.16	167.88	42.446		
7,400.00	6,696.26	6,648.26	6,648.26	56.66	115.06	103.79	-4,823.78	4,960.65	7,139.43	6,969.15	170.28	41.929		
7,500.00	6,783.01	6,735.01	6,735.01	57.63	116.57	104.13	-4,823.78	4,960.65	7,153.14	6,980.47	172.66	41.428		
7,600.00	6,869.76	6,821.76	6,821.76	58.61	118.08	104.47	-4,823.78	4,960.65	7,167.16	6,992.12	175.05	40.944		
7,683.49	6,942.18	6,905.82	6,905.82	59.42	119.55	104.75	-4,823.78	4,960.65	7,179.12	7,001.88	177.24	40.506		
7,700.00	6,956.57	6,908.57	6,908.57	59.58	119.60	102.45	-4,823.78	4,960.65	7,181.29	7,003.86	177.43	40.475		
7,750.00	7,000.85	6,952.85	6,952.85	60.04	120.37	94.38	-4,823.78	4,960.65	7,185.20	7,006.58	178.62	40.227		
7,800.00	7,045.94	7,002.06	6,997.94	60.46	121.23	84.70	-4,823.78	4,960.65	7,185.08	7,005.21	179.87	39.945		
7,850.00	7,091.49	7,043.49	7,043.49	60.84	121.95	73.82	-4,823.78	4,960.65	7,180.93	6,999.96	180.97	39.680		
7,900.00	7,137.15	7,089.15	7,089.15	61.17	122.75	62.49	-4,823.78	4,960.65	7,172.76	6,990.65	182.11	39.388		
7,950.00	7,182.58	7,134.58	7,134.58	61.44	123.54	51.60	-4,823.78	4,960.65	7,160.63	6,977.42	183.21	39.085		
8,000.00	7,227.43	7,179.43	7,179.43	61.67	124.33	41.78	-4,823.78	4,960.65	7,144.60	6,960.34	184.26	38.775		
8,050.00	7,271.36	7,223.36	7,223.36	61.84	125.09	33.26	-4,823.78	4,960.65	7,124.80	6,939.54	185.26	38.459		
8,100.00	7,314.04	7,266.04	7,266.04	61.96	125.84	25.96	-4,823.78	4,960.65	7,101.36	6,915.17	186.20	38.139		
8,150.00	7,355.14	7,307.14	7,307.14	62.04	126.56	19.63	-4,823.78	4,960.65	7,074.46	6,887.39	187.07	37.817		
8,200.00	7,394.34	7,346.34	7,346.34	62.07	127.24	14.00	-4,823.78	4,960.65	7,044.28	6,856.40	187.88	37.494		
8,250.00	7,431.36	7,383.36	7,383.36	62.06	127.89	8.76	-4,823.78	4,960.65	7,011.05	6,822.44	188.61	37.173		
8,300.00	7,465.90	7,417.90	7,417.90	62.01	128.49	3.65	-4,823.78	4,960.65	6,975.03	6,785.76	189.26	36.854		
8,350.00	7,497.71	7,449.71	7,449.71	61.93	129.04	-1.63	-4,823.78	4,960.65	6,936.47	6,746.63	189.84	36.539		
8,400.00	7,526.53	7,478.53	7,478.53	61.81	129.55	-7.40	-4,823.78	4,960.65	6,895.68	6,705.35	190.33	36.231		
8,450.00	7,552.17	7,504.17	7,504.17	61.66	130.00	-14.06	-4,823.78	4,960.65	6,852.96	6,662.23	190.73	35.930		
8,500.00	7,574.41	7,526.41	7,526.41	61.48	130.38	-22.08	-4,823.78	4,960.65	6,808.65	6,617.60	191.05	35.638		
8,550.00	7,593.09	7,545.09	7,545.09	61.29	130.71	-31.96	-4,823.78	4,960.65	6,763.09	6,571.81	191.28	35.357		
8,600.00	7,608.07	7,560.07	7,560.07	61.07	130.97	-44.03	-4,823.78	4,960.65	6,716.64	6,525.21	191.43	35.087		
8,650.00	7,619.23	7,571.23	7,571.23	60.84	131.17	-58.01	-4,823.78	4,960.65	6,669.65	6,478.17	191.48	34.832		
8,700.00	7,626.48	7,578.48	7,578.48	60.60	131.29	-72.61	-4,823.78	4,960.65	6,622.50	6,431.05	191.45	34.591		
8,750.00	7,629.78	7,581.78	7,581.78	60.35	131.35	-86.06	-4,823.78	4,960.65	6,575.56	6,384.22	191.34	34.366		
8,766.45	7,630.00	7,582.00	7,582.00	60.27	131.35	-90.00	-4,823.78	4,960.65	6,560.23	6,368.94	191.28	34.296		
8,800.00	7,630.00	7,582.00	7,582.00	60.10	131.35	-90.00	-4,823.78	4,960.65	6,529.03	6,337.87	191.16	34.155		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
8,900.00	7,630.00	7,582.00	7,582.00	59.61	131.35	-90.00	-4,823.78	4,960.65	6,436.21	6,245.42	190.79	33.734		
9,000.00	7,630.00	7,582.00	7,582.00	59.15	131.35	-90.00	-4,823.78	4,960.65	6,343.60	6,153.19	190.42	33.314		
9,100.00	7,630.00	7,582.00	7,582.00	58.71	131.35	-90.00	-4,823.78	4,960.65	6,251.22	6,061.19	190.03	32.895		
9,200.00	7,630.00	7,582.00	7,582.00	58.30	131.35	-90.00	-4,823.78	4,960.65	6,159.08	5,969.43	189.65	32.477		
9,300.00	7,630.00	7,582.00	7,582.00	57.91	131.35	-90.00	-4,823.78	4,960.65	6,067.19	5,877.94	189.25	32.058		
9,400.00	7,630.00	7,582.00	7,582.00	57.54	131.35	-90.00	-4,823.78	4,960.65	5,975.56	5,786.70	188.85	31.641		
9,500.00	7,630.00	7,582.00	7,582.00	57.19	131.35	-90.00	-4,823.78	4,960.65	5,884.20	5,695.75	188.45	31.224		
9,600.00	7,630.00	7,582.00	7,582.00	56.87	131.35	-90.00	-4,823.78	4,960.65	5,793.12	5,605.08	188.04	30.808		
9,700.00	7,630.00	7,582.00	7,582.00	56.57	131.35	-90.00	-4,823.78	4,960.65	5,702.35	5,514.72	187.63	30.392		
9,800.00	7,630.00	7,582.00	7,582.00	56.30	131.35	-90.00	-4,823.78	4,960.65	5,611.89	5,424.68	187.21	29.977		
9,900.00	7,630.00	7,582.00	7,582.00	56.05	131.35	-90.00	-4,823.78	4,960.65	5,521.76	5,334.97	186.78	29.562		
10,000.00	7,630.00	7,582.00	7,582.00	55.82	131.35	-90.00	-4,823.78	4,960.65	5,431.97	5,245.61	186.36	29.148		
10,100.00	7,630.00	7,582.00	7,582.00	55.63	131.35	-90.00	-4,823.78	4,960.65	5,342.55	5,156.62	185.93	28.734		
10,200.00	7,630.00	7,582.00	7,582.00	55.46	131.35	-90.00	-4,823.78	4,960.65	5,253.50	5,068.00	185.50	28.321		
10,300.00	7,630.00	7,582.00	7,582.00	55.32	131.35	-90.00	-4,823.78	4,960.65	5,164.86	4,979.79	185.07	27.908		
10,400.00	7,630.00	7,582.00	7,582.00	55.22	131.35	-90.00	-4,823.78	4,960.65	5,076.64	4,892.00	184.64	27.495		
10,500.00	7,630.00	7,582.00	7,582.00	55.15	131.35	-90.00	-4,823.78	4,960.65	4,988.87	4,804.66	184.21	27.082		
10,600.00	7,630.00	7,582.00	7,582.00	55.14	131.35	-90.00	-4,823.78	4,960.65	4,901.56	4,717.77	183.79	26.669		
10,700.00	7,630.00	7,582.00	7,582.00	55.18	131.35	-90.00	-4,823.78	4,960.65	4,814.75	4,631.37	183.37	26.257		
10,800.00	7,630.00	7,582.00	7,582.00	55.28	131.35	-90.00	-4,823.78	4,960.65	4,728.46	4,545.49	182.97	25.843		
10,900.00	7,630.00	7,582.00	7,582.00	55.47	131.35	-90.00	-4,823.78	4,960.65	4,642.72	4,460.15	182.57	25.430		
11,000.00	7,630.00	7,582.00	7,582.00	55.74	131.35	-90.00	-4,823.78	4,960.65	4,557.55	4,375.37	182.19	25.016		
11,100.00	7,630.00	7,582.00	7,582.00	56.11	131.35	-90.00	-4,823.78	4,960.65	4,473.01	4,291.19	181.82	24.601		
11,200.00	7,630.00	7,582.00	7,582.00	56.60	131.35	-90.00	-4,823.78	4,960.65	4,389.11	4,207.63	181.48	24.185		
11,300.00	7,630.00	7,582.00	7,582.00	57.20	131.35	-90.00	-4,823.78	4,960.65	4,305.90	4,124.74	181.16	23.768		
11,400.00	7,630.00	7,582.00	7,582.00	57.91	131.35	-90.00	-4,823.78	4,960.65	4,223.42	4,042.55	180.88	23.350		
11,500.00	7,630.00	7,582.00	7,582.00	58.72	131.35	-90.00	-4,823.78	4,960.65	4,141.72	3,961.09	180.63	22.929		
11,600.00	7,630.00	7,582.00	7,582.00	59.63	131.35	-90.00	-4,823.78	4,960.65	4,060.83	3,880.40	180.43	22.507		
11,700.00	7,630.00	7,582.00	7,582.00	60.61	131.35	-90.00	-4,823.78	4,960.65	3,980.81	3,800.53	180.27	22.082		
11,800.00	7,630.00	7,582.00	7,582.00	61.67	131.35	-90.00	-4,823.78	4,960.65	3,901.71	3,721.53	180.17	21.655		
11,900.00	7,630.00	7,582.00	7,582.00	62.78	131.35	-90.00	-4,823.78	4,960.65	3,823.59	3,643.44	180.14	21.225		
12,000.00	7,630.00	7,582.00	7,582.00	63.95	131.35	-90.00	-4,823.78	4,960.65	3,746.51	3,566.32	180.18	20.793		
12,100.00	7,630.00	7,582.00	7,582.00	65.16	131.35	-90.00	-4,823.78	4,960.65	3,670.53	3,490.22	180.31	20.357		
12,200.00	7,630.00	7,582.00	7,582.00	66.41	131.35	-90.00	-4,823.78	4,960.65	3,595.74	3,415.20	180.53	19.918		
12,300.00	7,630.00	7,582.00	7,582.00	67.68	131.35	-90.00	-4,823.78	4,960.65	3,522.19	3,341.33	180.85	19.475		
12,400.00	7,630.00	7,582.00	7,582.00	68.99	131.35	-90.00	-4,823.78	4,960.65	3,449.97	3,268.68	181.29	19.030		
12,500.00	7,630.00	7,582.00	7,582.00	70.33	131.35	-90.00	-4,823.78	4,960.65	3,379.17	3,197.32	181.85	18.582		
12,600.00	7,630.00	7,582.00	7,582.00	71.68	131.35	-90.00	-4,823.78	4,960.65	3,309.88	3,127.34	182.54	18.132		
12,700.00	7,630.00	7,582.00	7,582.00	73.06	131.35	-90.00	-4,823.78	4,960.65	3,242.19	3,058.82	183.38	17.680		
12,800.00	7,630.00	7,582.00	7,582.00	74.45	131.35	-90.00	-4,823.78	4,960.65	3,176.21	2,991.85	184.36	17.228		
12,900.00	7,630.00	7,582.00	7,582.00	75.87	131.35	-90.00	-4,823.78	4,960.65	3,112.04	2,926.54	185.50	16.777		
13,000.00	7,630.00	7,582.00	7,582.00	77.29	131.35	-90.00	-4,823.78	4,960.65	3,049.81	2,863.01	186.80	16.326		
13,100.00	7,630.00	7,582.00	7,582.00	78.74	131.35	-90.00	-4,823.78	4,960.65	2,989.62	2,801.35	188.27	15.880		
13,200.00	7,630.00	7,582.00	7,582.00	80.19	131.35	-90.00	-4,823.78	4,960.65	2,931.61	2,741.71	189.90	15.437		
13,300.00	7,630.00	7,582.00	7,582.00	81.66	131.35	-90.00	-4,823.78	4,960.65	2,875.90	2,684.20	191.70	15.002		
13,400.00	7,630.00	7,582.00	7,582.00	83.14	131.35	-90.00	-4,823.78	4,960.65	2,822.65	2,628.98	193.67	14.575		
13,500.00	7,630.00	7,582.00	7,582.00	84.63	131.35	-90.00	-4,823.78	4,960.65	2,771.97	2,576.18	195.79	14.158		
13,600.00	7,630.00	7,582.00	7,582.00	86.14	131.35	-90.00	-4,823.78	4,960.65	2,724.03	2,525.96	198.07	13.753		
13,700.00	7,630.00	7,582.00	7,582.00	87.65	131.35	-90.00	-4,823.78	4,960.65	2,678.96	2,478.47	200.49	13.362		
13,800.00	7,630.00	7,582.00	7,582.00	89.17	131.35	-90.00	-4,823.78	4,960.65	2,636.92	2,433.87	203.04	12.987		
13,900.00	7,630.00	7,582.00	7,582.00	90.70	131.35	-90.00	-4,823.78	4,960.65	2,598.04	2,392.33	205.71	12.630		
14,000.00	7,630.00	7,582.00	7,582.00	92.24	131.35	-90.00	-4,823.78	4,960.65	2,562.49	2,354.01	208.48	12.291		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
14,100.00	7,630.00	7,582.00	7,582.00	93.78	131.35	-90.00	-4,823.78	4,960.65	2,530.38	2,319.06	211.33	11.974		
14,200.00	7,630.00	7,582.00	7,582.00	95.33	131.35	-90.00	-4,823.78	4,960.65	2,501.87	2,287.63	214.23	11.678		
14,300.00	7,630.00	7,582.00	7,582.00	96.89	131.35	-90.00	-4,823.78	4,960.65	2,477.06	2,259.88	217.18	11.406		
14,400.00	7,630.00	7,582.00	7,582.00	98.46	131.35	-90.00	-4,823.78	4,960.65	2,456.08	2,235.95	220.14	11.157		
14,500.00	7,630.00	7,582.00	7,582.00	100.03	131.35	-90.00	-4,823.78	4,960.65	2,439.02	2,215.94	223.09	10.933		
14,600.00	7,630.00	7,582.00	7,582.00	101.61	131.35	-90.00	-4,823.78	4,960.65	2,425.97	2,199.97	226.00	10.734		
14,700.00	7,630.00	7,582.00	7,582.00	103.20	131.35	-90.00	-4,823.78	4,960.65	2,416.99	2,188.13	228.86	10.561		
14,800.00	7,630.00	7,582.00	7,582.00	104.78	131.35	-90.00	-4,823.78	4,960.65	2,412.12	2,180.49	231.63	10.414		
14,867.50	7,630.00	7,582.00	7,582.00	105.86	131.35	-90.00	-4,823.78	4,960.65	2,411.18	2,177.73	233.45	10.328 CC		
14,900.00	7,630.00	7,582.00	7,582.00	106.38	131.35	-90.00	-4,823.78	4,960.65	2,411.40	2,177.09	234.31	10.291 ES		
15,000.00	7,630.00	7,582.00	7,582.00	107.98	131.35	-90.00	-4,823.78	4,960.65	2,414.82	2,177.95	236.87	10.195		
15,100.00	7,630.00	7,582.00	7,582.00	109.58	131.35	-90.00	-4,823.78	4,960.65	2,422.36	2,183.08	239.29	10.123		
15,200.00	7,630.00	7,582.00	7,582.00	111.19	131.35	-90.00	-4,823.78	4,960.65	2,434.00	2,192.44	241.56	10.076		
15,300.00	7,630.00	7,582.00	7,582.00	112.81	131.35	-90.00	-4,823.78	4,960.65	2,449.66	2,205.99	243.67	10.053 SF		
15,400.00	7,630.00	7,582.00	7,582.00	114.42	131.35	-90.00	-4,823.78	4,960.65	2,469.28	2,223.67	245.61	10.054		
15,500.00	7,630.00	7,582.00	7,582.00	116.05	131.35	-90.00	-4,823.78	4,960.65	2,492.76	2,245.37	247.39	10.076		
15,600.00	7,630.00	7,582.00	7,582.00	117.67	131.35	-90.00	-4,823.78	4,960.65	2,519.99	2,271.00	248.99	10.121		
15,700.00	7,630.00	7,582.00	7,582.00	119.30	131.35	-90.00	-4,823.78	4,960.65	2,550.85	2,300.43	250.42	10.186		
15,800.00	7,630.00	7,582.00	7,582.00	120.93	131.35	-90.00	-4,823.78	4,960.65	2,585.22	2,333.53	251.69	10.271		
15,900.00	7,630.00	7,582.00	7,582.00	122.57	131.35	-90.00	-4,823.78	4,960.65	2,622.95	2,370.15	252.80	10.376		
16,000.00	7,630.00	7,582.00	7,582.00	124.21	131.35	-90.00	-4,823.78	4,960.65	2,663.90	2,410.15	253.75	10.498		
16,100.00	7,630.00	7,582.00	7,582.00	125.85	131.35	-90.00	-4,823.78	4,960.65	2,707.92	2,453.37	254.56	10.638		
16,200.00	7,630.00	7,582.00	7,582.00	127.50	131.35	-90.00	-4,823.78	4,960.65	2,754.88	2,499.65	255.23	10.794		
16,300.00	7,630.00	7,582.00	7,582.00	129.15	131.35	-90.00	-4,823.78	4,960.65	2,804.61	2,548.83	255.78	10.965		
16,400.00	7,630.00	7,582.00	7,582.00	130.80	131.35	-90.00	-4,823.78	4,960.65	2,856.98	2,600.77	256.21	11.151		
16,500.00	7,630.00	7,582.00	7,582.00	132.46	131.35	-90.00	-4,823.78	4,960.65	2,911.85	2,655.31	256.54	11.350		
16,600.00	7,630.00	7,582.00	7,582.00	134.11	131.35	-90.00	-4,823.78	4,960.65	2,969.07	2,712.29	256.78	11.563		
16,700.00	7,630.00	7,582.00	7,582.00	135.77	131.35	-90.00	-4,823.78	4,960.65	3,028.51	2,771.58	256.92	11.788		
16,800.00	7,630.00	7,582.00	7,582.00	137.43	131.35	-90.00	-4,823.78	4,960.65	3,090.04	2,833.05	256.99	12.024		
16,900.00	7,630.00	7,582.00	7,582.00	139.10	131.35	-90.00	-4,823.78	4,960.65	3,153.55	2,896.55	257.00	12.271		
17,000.00	7,630.00	7,582.00	7,582.00	140.77	131.35	-90.00	-4,823.78	4,960.65	3,218.91	2,961.97	256.94	12.528		
17,100.00	7,630.00	7,582.00	7,582.00	142.44	131.35	-90.00	-4,823.78	4,960.65	3,286.01	3,029.18	256.83	12.795		
17,200.00	7,630.00	7,582.00	7,582.00	144.11	131.35	-90.00	-4,823.78	4,960.65	3,354.75	3,098.08	256.67	13.070		
17,300.00	7,630.00	7,582.00	7,582.00	145.78	131.35	-90.00	-4,823.78	4,960.65	3,425.04	3,168.56	256.47	13.354		
17,400.00	7,630.00	7,582.00	7,582.00	147.46	131.35	-90.00	-4,823.78	4,960.65	3,496.77	3,240.52	256.24	13.646		
17,500.00	7,630.00	7,582.00	7,582.00	149.13	131.35	-90.00	-4,823.78	4,960.65	3,569.86	3,313.87	255.98	13.946		
17,600.00	7,630.00	7,582.00	7,582.00	150.81	131.35	-90.00	-4,823.78	4,960.65	3,644.22	3,388.53	255.70	14.252		
17,700.00	7,630.00	7,582.00	7,582.00	152.49	131.35	-90.00	-4,823.78	4,960.65	3,719.79	3,464.41	255.39	14.565		
17,800.00	7,630.00	7,582.00	7,582.00	154.18	131.35	-90.00	-4,823.78	4,960.65	3,796.49	3,541.43	255.06	14.884		
17,900.00	7,630.00	7,582.00	7,582.00	155.86	131.35	-90.00	-4,823.78	4,960.65	3,874.26	3,619.53	254.73	15.210		
18,000.00	7,630.00	7,582.00	7,582.00	157.55	131.35	-90.00	-4,823.78	4,960.65	3,953.02	3,698.65	254.38	15.540		
18,100.00	7,630.00	7,582.00	7,582.00	159.24	131.35	-90.00	-4,823.78	4,960.65	4,032.73	3,778.71	254.02	15.876		
18,200.00	7,630.00	7,582.00	7,582.00	160.92	131.35	-90.00	-4,823.78	4,960.65	4,113.32	3,859.67	253.65	16.216		
18,300.00	7,630.00	7,582.00	7,582.00	162.62	131.35	-90.00	-4,823.78	4,960.65	4,194.74	3,941.46	253.28	16.562		
18,400.00	7,630.00	7,582.00	7,582.00	164.31	131.35	-90.00	-4,823.78	4,960.65	4,276.96	4,024.05	252.91	16.911		
18,458.39	7,630.00	7,582.00	7,582.00	165.30	131.35	-90.00	-4,823.78	4,960.65	4,325.31	4,072.63	252.69	17.117		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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-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	142.47	-4,088.21	3,140.19	5,155.07					
100.00	100.00	77.00	77.00	0.13	0.60	142.47	-4,088.21	3,140.19	5,155.02	5,154.29	0.73	7,037.908		
200.00	200.00	177.00	177.00	0.49	2.12	142.47	-4,088.21	3,140.19	5,155.02	5,152.41	2.61	1,972.478		
300.00	300.00	277.00	277.00	0.85	3.87	142.47	-4,088.21	3,140.19	5,155.02	5,150.30	4.72	1,092.796		
400.00	400.00	377.00	377.00	1.21	5.61	142.47	-4,088.21	3,140.19	5,155.02	5,148.20	6.82	755.749		
500.00	500.00	477.00	477.00	1.57	7.36	142.47	-4,088.21	3,140.19	5,155.02	5,146.10	8.92	577.601		
600.00	600.00	577.00	577.00	1.93	9.10	142.47	-4,088.21	3,140.19	5,155.02	5,143.99	11.03	467.420		
700.00	700.00	677.00	677.00	2.29	10.85	142.47	-4,088.21	3,140.19	5,155.02	5,141.89	13.13	392.540		
800.00	800.00	777.00	777.00	2.64	12.59	142.47	-4,088.21	3,140.19	5,155.02	5,139.78	15.24	338.338		
900.00	900.00	877.00	877.00	3.00	14.34	142.47	-4,088.21	3,140.19	5,155.02	5,137.68	17.34	297.289		
1,000.00	1,000.00	977.00	977.00	3.36	16.08	142.47	-4,088.21	3,140.19	5,155.02	5,135.58	19.44	265.123		
1,100.00	1,100.00	1,077.00	1,077.00	3.72	17.83	142.47	-4,088.21	3,140.19	5,155.02	5,133.47	21.55	239.238		
1,200.00	1,199.98	1,176.98	1,176.98	4.07	19.57	91.42	-4,088.21	3,140.19	5,155.06	5,131.42	23.65	217.992		
1,300.00	1,299.84	1,276.84	1,276.84	4.43	21.32	91.48	-4,088.21	3,140.19	5,155.20	5,129.45	25.74	200.245		
1,400.00	1,399.45	1,376.45	1,376.45	4.79	23.05	91.57	-4,088.21	3,140.19	5,155.43	5,127.59	27.84	185.174		
1,500.00	1,498.70	1,475.70	1,475.70	5.15	24.79	91.70	-4,088.21	3,140.19	5,155.78	5,125.84	29.94	172.208		
1,600.00	1,597.47	1,574.47	1,574.47	5.53	26.51	91.86	-4,088.21	3,140.19	5,156.27	5,124.23	32.04	160.926		
1,700.00	1,695.62	1,672.62	1,672.62	5.93	28.22	92.05	-4,088.21	3,140.19	5,156.93	5,122.78	34.15	151.007		
1,800.00	1,793.06	1,770.06	1,770.06	6.35	29.92	92.28	-4,088.21	3,140.19	5,157.81	5,121.54	36.27	142.208		
1,900.00	1,889.64	1,866.64	1,866.64	6.79	31.61	92.53	-4,088.21	3,140.19	5,158.93	5,120.53	38.40	134.340		
2,000.00	1,985.27	1,962.27	1,962.27	7.27	33.28	92.82	-4,088.21	3,140.19	5,160.36	5,119.81	40.55	127.252		
2,100.00	2,079.82	2,056.82	2,056.82	7.79	34.93	93.12	-4,088.21	3,140.19	5,162.14	5,119.42	42.72	120.830		
2,200.00	2,173.17	2,150.17	2,150.17	8.36	36.56	93.45	-4,088.21	3,140.19	5,164.34	5,119.43	44.92	114.978		
2,300.00	2,265.21	2,242.21	2,242.21	8.97	38.17	93.79	-4,088.21	3,140.19	5,167.02	5,119.89	47.13	109.622		
2,400.00	2,355.84	2,332.84	2,332.84	9.64	39.75	94.15	-4,088.21	3,140.19	5,170.25	5,120.87	49.38	104.700		
2,500.00	2,444.94	2,421.94	2,421.94	10.36	41.30	94.52	-4,088.21	3,140.19	5,174.11	5,122.45	51.66	100.163		
2,591.69	2,525.19	2,502.19	2,502.19	11.07	42.70	94.87	-4,088.21	3,140.19	5,178.25	5,124.48	53.77	96.306		
2,600.00	2,532.40	2,509.40	2,509.40	11.14	42.83	94.91	-4,088.21	3,140.19	5,178.65	5,124.69	53.96	95.971		
2,700.00	2,619.15	2,603.85	2,596.15	11.96	44.48	95.38	-4,088.21	3,140.19	5,183.79	5,127.36	56.43	91.868		
2,800.00	2,705.89	2,682.89	2,682.89	12.81	45.86	95.86	-4,088.21	3,140.19	5,189.40	5,130.76	58.64	88.491		
2,900.00	2,792.64	2,769.64	2,769.64	13.67	47.37	96.33	-4,088.21	3,140.19	5,195.48	5,134.47	61.01	85.156		
3,000.00	2,879.39	2,856.39	2,856.39	14.55	48.88	96.81	-4,088.21	3,140.19	5,202.03	5,138.63	63.39	82.062		
3,100.00	2,966.14	2,943.14	2,943.14	15.44	50.40	97.28	-4,088.21	3,140.19	5,209.04	5,143.26	65.78	79.187		
3,200.00	3,052.88	3,029.88	3,029.88	16.34	51.91	97.75	-4,088.21	3,140.19	5,216.52	5,148.34	68.18	76.512		
3,300.00	3,139.63	3,116.63	3,116.63	17.25	53.43	98.22	-4,088.21	3,140.19	5,224.46	5,153.88	70.58	74.019		
3,400.00	3,226.38	3,203.38	3,203.38	18.17	54.94	98.69	-4,088.21	3,140.19	5,232.86	5,159.87	72.99	71.692		
3,500.00	3,313.12	3,309.88	3,290.12	19.09	56.80	99.16	-4,088.21	3,140.19	5,241.73	5,165.98	75.75	69.201		
3,600.00	3,399.87	3,376.87	3,376.87	20.02	57.97	99.63	-4,088.21	3,140.19	5,251.04	5,173.23	77.81	67.482		
3,700.00	3,486.62	3,463.62	3,463.62	20.96	59.48	100.09	-4,088.21	3,140.19	5,260.82	5,180.59	80.23	65.573		
3,800.00	3,573.37	3,550.37	3,550.37	21.90	61.00	100.56	-4,088.21	3,140.19	5,271.04	5,188.40	82.64	63.781		
3,900.00	3,660.11	3,637.11	3,637.11	22.84	62.51	101.02	-4,088.21	3,140.19	5,281.71	5,196.66	85.06	62.096		
4,000.00	3,746.86	3,723.86	3,723.86	23.78	64.02	101.48	-4,088.21	3,140.19	5,292.83	5,205.36	87.47	60.510		
4,100.00	3,833.61	3,810.61	3,810.61	24.73	65.54	101.94	-4,088.21	3,140.19	5,304.39	5,214.51	89.88	59.014		
4,200.00	3,920.35	3,902.65	3,897.35	25.68	67.15	102.40	-4,088.21	3,140.19	5,316.40	5,224.01	92.39	57.546		
4,300.00	4,007.10	3,984.10	3,984.10	26.63	68.57	102.86	-4,088.21	3,140.19	5,328.84	5,234.13	94.70	56.270		
4,400.00	4,093.85	4,070.85	4,070.85	27.59	70.08	103.31	-4,088.21	3,140.19	5,341.71	5,244.60	97.11	55.009		
4,500.00	4,180.60	4,157.60	4,157.60	28.55	71.60	103.76	-4,088.21	3,140.19	5,355.02	5,255.51	99.51	53.814		
4,600.00	4,267.34	4,244.34	4,244.34	29.50	73.11	104.22	-4,088.21	3,140.19	5,368.75	5,266.84	101.91	52.682		
4,700.00	4,354.09	4,331.09	4,331.09	30.46	74.62	104.67	-4,088.21	3,140.19	5,382.91	5,278.60	104.30	51.608		
4,800.00	4,440.84	4,417.84	4,417.84	31.42	76.14	105.11	-4,088.21	3,140.19	5,397.49	5,290.79	106.70	50.588		
4,900.00	4,527.58	4,504.58	4,504.58	32.39	77.65	105.56	-4,088.21	3,140.19	5,412.48	5,303.40	109.08	49.618		
5,000.00	4,614.33	4,608.67	4,591.33	33.35	79.47	106.00	-4,088.21	3,140.19	5,427.90	5,316.13	111.77	48.563		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
5,100.00	4,701.08	4,678.08	4,678.08	34.31	80.68	106.45	-4,088.21	3,140.19	5,443.72	5,329.87	113.85	47.816		
5,200.00	4,787.82	4,764.82	4,764.82	35.28	82.19	106.89	-4,088.21	3,140.19	5,459.95	5,343.73	116.22	46.979		
5,300.00	4,874.57	4,851.57	4,851.57	36.25	83.71	107.33	-4,088.21	3,140.19	5,476.58	5,357.99	118.59	46.180		
5,400.00	4,961.32	4,938.32	4,938.32	37.21	85.22	107.76	-4,088.21	3,140.19	5,493.62	5,372.66	120.96	45.417		
5,500.00	5,048.07	5,025.07	5,025.07	38.18	86.74	108.20	-4,088.21	3,140.19	5,511.05	5,387.73	123.32	44.689		
5,600.00	5,134.81	5,111.81	5,111.81	39.15	88.25	108.63	-4,088.21	3,140.19	5,528.87	5,403.20	125.67	43.994		
5,700.00	5,221.56	5,201.44	5,198.56	40.12	89.81	109.06	-4,088.21	3,140.19	5,547.09	5,419.01	128.08	43.311		
5,800.00	5,308.31	5,285.31	5,285.31	41.09	91.28	109.49	-4,088.21	3,140.19	5,565.68	5,435.31	130.37	42.691		
5,900.00	5,395.05	5,372.05	5,372.05	42.06	92.79	109.91	-4,088.21	3,140.19	5,584.66	5,451.95	132.71	42.081		
6,000.00	5,481.80	5,458.80	5,458.80	43.03	94.31	110.33	-4,088.21	3,140.19	5,604.02	5,468.97	135.05	41.497		
6,100.00	5,568.55	5,545.55	5,545.55	44.00	95.82	110.75	-4,088.21	3,140.19	5,623.75	5,486.37	137.37	40.937		
6,200.00	5,655.30	5,632.30	5,632.30	44.97	97.33	111.17	-4,088.21	3,140.19	5,643.85	5,504.15	139.70	40.400		
6,300.00	5,742.04	5,719.04	5,719.04	45.94	98.85	111.59	-4,088.21	3,140.19	5,664.31	5,522.30	142.02	39.885		
6,400.00	5,828.79	5,805.79	5,805.79	46.92	100.36	112.00	-4,088.21	3,140.19	5,685.14	5,540.81	144.33	39.390		
6,500.00	5,915.54	5,907.46	5,892.54	47.89	102.14	112.41	-4,088.21	3,140.19	5,706.32	5,559.43	146.90	38.846		
6,600.00	6,002.28	5,979.28	5,979.28	48.86	103.39	112.82	-4,088.21	3,140.19	5,727.86	5,578.92	148.94	38.458		
6,700.00	6,089.03	6,066.03	6,066.03	49.83	104.90	113.23	-4,088.21	3,140.19	5,749.75	5,598.52	151.23	38.019		
6,800.00	6,175.78	6,152.78	6,152.78	50.81	106.42	113.63	-4,088.21	3,140.19	5,771.98	5,618.46	153.52	37.596		
6,900.00	6,262.53	6,239.53	6,239.53	51.78	107.93	114.03	-4,088.21	3,140.19	5,794.56	5,638.75	155.81	37.190		
7,000.00	6,349.27	6,326.27	6,326.27	52.76	109.45	114.43	-4,088.21	3,140.19	5,817.47	5,659.39	158.09	36.799		
7,100.00	6,436.02	6,413.02	6,413.02	53.73	110.96	114.83	-4,088.21	3,140.19	5,840.72	5,680.36	160.36	36.422		
7,200.00	6,522.77	6,500.23	6,499.77	54.71	112.48	115.22	-4,088.21	3,140.19	5,864.30	5,701.66	162.64	36.058		
7,300.00	6,609.51	6,586.51	6,586.51	55.68	113.99	115.61	-4,088.21	3,140.19	5,888.20	5,723.31	164.89	35.710		
7,400.00	6,696.26	6,673.26	6,673.26	56.66	115.50	116.00	-4,088.21	3,140.19	5,912.43	5,745.28	167.15	35.373		
7,500.00	6,783.01	6,760.01	6,760.01	57.63	117.02	116.39	-4,088.21	3,140.19	5,936.97	5,767.57	169.40	35.048		
7,600.00	6,869.76	6,846.76	6,846.76	58.61	118.53	116.77	-4,088.21	3,140.19	5,961.83	5,790.18	171.64	34.734		
7,683.49	6,942.18	6,919.18	6,919.18	59.42	119.79	117.09	-4,088.21	3,140.19	5,982.82	5,809.31	173.51	34.481		
7,700.00	6,956.57	6,933.57	6,933.57	59.58	120.04	114.78	-4,088.21	3,140.19	5,986.77	5,812.88	173.88	34.430		
7,750.00	7,000.85	6,977.85	6,977.85	60.04	120.82	106.72	-4,088.21	3,140.19	5,995.96	5,820.95	175.01	34.260		
7,800.00	7,045.94	7,022.94	7,022.94	60.46	121.60	97.15	-4,088.21	3,140.19	6,000.95	5,824.80	176.15	34.067		
7,850.00	7,091.49	7,068.49	7,068.49	60.84	122.40	86.45	-4,088.21	3,140.19	6,001.70	5,824.42	177.28	33.854		
7,900.00	7,137.15	7,114.15	7,114.15	61.17	123.20	75.39	-4,088.21	3,140.19	5,998.19	5,819.79	178.40	33.622		
7,950.00	7,182.58	7,159.58	7,159.58	61.44	123.99	64.88	-4,088.21	3,140.19	5,990.45	5,810.96	179.49	33.374		
8,000.00	7,227.43	7,204.43	7,204.43	61.67	124.77	55.55	-4,088.21	3,140.19	5,978.53	5,797.97	180.55	33.113		
8,050.00	7,271.36	7,248.36	7,248.36	61.84	125.54	47.65	-4,088.21	3,140.19	5,962.50	5,780.93	181.57	32.839		
8,100.00	7,314.04	7,308.96	7,291.04	61.96	126.60	41.13	-4,088.21	3,140.19	5,942.49	5,759.64	182.85	32.500		
8,150.00	7,355.14	7,332.14	7,332.14	62.04	127.00	35.78	-4,088.21	3,140.19	5,918.63	5,735.18	183.45	32.263		
8,200.00	7,394.34	7,371.34	7,371.34	62.07	127.69	31.36	-4,088.21	3,140.19	5,891.10	5,706.80	184.31	31.964		
8,250.00	7,431.36	7,408.36	7,408.36	62.06	128.33	27.63	-4,088.21	3,140.19	5,860.11	5,675.01	185.10	31.659		
8,300.00	7,465.90	7,442.90	7,442.90	62.01	128.93	24.41	-4,088.21	3,140.19	5,825.87	5,640.04	185.82	31.351		
8,350.00	7,497.71	7,474.71	7,474.71	61.93	129.49	21.51	-4,088.21	3,140.19	5,788.63	5,602.15	186.48	31.042		
8,400.00	7,526.53	7,503.53	7,503.53	61.81	129.99	18.75	-4,088.21	3,140.19	5,748.68	5,561.62	187.06	30.732		
8,450.00	7,552.17	7,529.17	7,529.17	61.66	130.44	15.94	-4,088.21	3,140.19	5,706.31	5,518.75	187.56	30.424		
8,500.00	7,574.41	7,551.41	7,551.41	61.48	130.83	12.79	-4,088.21	3,140.19	5,661.84	5,473.85	187.99	30.118		
8,550.00	7,593.09	7,570.09	7,570.09	61.29	131.15	8.79	-4,088.21	3,140.19	5,615.60	5,427.27	188.33	29.818		
8,600.00	7,608.07	7,585.07	7,585.07	61.07	131.42	2.91	-4,088.21	3,140.19	5,567.93	5,379.34	188.59	29.524		
8,650.00	7,619.23	7,603.77	7,596.23	60.84	131.74	-7.44	-4,088.21	3,140.19	5,519.21	5,330.31	188.91	29.217		
8,700.00	7,626.48	7,603.48	7,603.48	60.60	131.74	-29.90	-4,088.21	3,140.19	5,469.80	5,280.93	188.88	28.960		
8,750.00	7,629.78	7,606.78	7,606.78	60.35	131.79	-74.93	-4,088.21	3,140.19	5,420.08	5,231.19	188.90	28.694		
8,766.45	7,630.00	7,607.00	7,607.00	60.27	131.80	-90.00	-4,088.21	3,140.19	5,403.73	5,214.84	188.88	28.609		
8,800.00	7,630.00	7,607.00	7,607.00	60.10	131.80	-90.00	-4,088.21	3,140.19	5,370.37	5,181.52	188.85	28.437		
8,900.00	7,630.00	7,607.00	7,607.00	59.61	131.80	-90.00	-4,088.21	3,140.19	5,270.99	5,082.22	188.76	27.924		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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-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		
9,000.00	7,630.00	7,607.00	7,607.00	59.15	131.80	-90.00	-4,088.21	3,140.19	5,171.62	4,982.96	188.67	27.411		
9,100.00	7,630.00	7,607.00	7,607.00	58.71	131.80	-90.00	-4,088.21	3,140.19	5,072.29	4,883.72	188.57	26.899		
9,200.00	7,630.00	7,607.00	7,607.00	58.30	131.80	-90.00	-4,088.21	3,140.19	4,972.97	4,784.51	188.47	26.386		
9,300.00	7,630.00	7,607.00	7,607.00	57.91	131.80	-90.00	-4,088.21	3,140.19	4,873.69	4,685.33	188.36	25.874		
9,400.00	7,630.00	7,607.00	7,607.00	57.54	131.80	-90.00	-4,088.21	3,140.19	4,774.44	4,586.18	188.26	25.361		
9,500.00	7,630.00	7,607.00	7,607.00	57.19	131.80	-90.00	-4,088.21	3,140.19	4,675.21	4,487.07	188.15	24.849		
9,600.00	7,630.00	7,607.00	7,607.00	56.87	131.80	-90.00	-4,088.21	3,140.19	4,576.03	4,387.99	188.03	24.336		
9,700.00	7,630.00	7,607.00	7,607.00	56.57	131.80	-90.00	-4,088.21	3,140.19	4,476.87	4,288.96	187.91	23.824		
9,800.00	7,630.00	7,607.00	7,607.00	56.30	131.80	-90.00	-4,088.21	3,140.19	4,377.76	4,189.97	187.79	23.312		
9,900.00	7,630.00	7,607.00	7,607.00	56.05	131.80	-90.00	-4,088.21	3,140.19	4,278.69	4,091.03	187.66	22.800		
10,000.00	7,630.00	7,607.00	7,607.00	55.82	131.80	-90.00	-4,088.21	3,140.19	4,179.66	3,992.13	187.53	22.288		
10,100.00	7,630.00	7,607.00	7,607.00	55.63	131.80	-90.00	-4,088.21	3,140.19	4,080.68	3,893.29	187.40	21.776		
10,200.00	7,630.00	7,607.00	7,607.00	55.46	131.80	-90.00	-4,088.21	3,140.19	3,981.75	3,794.50	187.25	21.264		
10,300.00	7,630.00	7,607.00	7,607.00	55.32	131.80	-90.00	-4,088.21	3,140.19	3,882.88	3,695.77	187.11	20.752		
10,400.00	7,630.00	7,607.00	7,607.00	55.22	131.80	-90.00	-4,088.21	3,140.19	3,784.06	3,597.11	186.95	20.241		
10,500.00	7,630.00	7,607.00	7,607.00	55.15	131.80	-90.00	-4,088.21	3,140.19	3,685.31	3,498.52	186.79	19.730		
10,600.00	7,630.00	7,607.00	7,607.00	55.14	131.80	-90.00	-4,088.21	3,140.19	3,586.63	3,400.00	186.62	19.219		
10,700.00	7,630.00	7,607.00	7,607.00	55.18	131.80	-90.00	-4,088.21	3,140.19	3,488.02	3,301.57	186.45	18.708		
10,800.00	7,630.00	7,607.00	7,607.00	55.28	131.80	-90.00	-4,088.21	3,140.19	3,389.50	3,203.23	186.27	18.197		
10,900.00	7,630.00	7,607.00	7,607.00	55.47	131.80	-90.00	-4,088.21	3,140.19	3,291.06	3,104.98	186.08	17.687		
11,000.00	7,630.00	7,607.00	7,607.00	55.74	131.80	-90.00	-4,088.21	3,140.19	3,192.72	3,006.84	185.88	17.177		
11,100.00	7,630.00	7,607.00	7,607.00	56.11	131.80	-90.00	-4,088.21	3,140.19	3,094.49	2,908.82	185.67	16.667		
11,200.00	7,630.00	7,607.00	7,607.00	56.60	131.80	-90.00	-4,088.21	3,140.19	2,996.37	2,810.92	185.45	16.157		
11,300.00	7,630.00	7,607.00	7,607.00	57.20	131.80	-90.00	-4,088.21	3,140.19	2,898.38	2,713.16	185.22	15.648		
11,400.00	7,630.00	7,607.00	7,607.00	57.91	131.80	-90.00	-4,088.21	3,140.19	2,800.54	2,615.56	184.98	15.140		
11,500.00	7,630.00	7,607.00	7,607.00	58.72	131.80	-90.00	-4,088.21	3,140.19	2,702.85	2,518.12	184.73	14.632		
11,600.00	7,630.00	7,607.00	7,607.00	59.63	131.80	-90.00	-4,088.21	3,140.19	2,605.34	2,420.88	184.46	14.124		
11,700.00	7,630.00	7,607.00	7,607.00	60.61	131.80	-90.00	-4,088.21	3,140.19	2,508.02	2,323.84	184.18	13.617		
11,800.00	7,630.00	7,607.00	7,607.00	61.67	131.80	-90.00	-4,088.21	3,140.19	2,410.92	2,227.03	183.89	13.110		
11,900.00	7,630.00	7,607.00	7,607.00	62.78	131.80	-90.00	-4,088.21	3,140.19	2,314.08	2,130.48	183.59	12.604		
12,000.00	7,630.00	7,607.00	7,607.00	63.95	131.80	-90.00	-4,088.21	3,140.19	2,217.51	2,034.23	183.28	12.099		
12,100.00	7,630.00	7,607.00	7,607.00	65.16	131.80	-90.00	-4,088.21	3,140.19	2,121.26	1,938.31	182.95	11.595		
12,200.00	7,630.00	7,607.00	7,607.00	66.41	131.80	-90.00	-4,088.21	3,140.19	2,025.37	1,842.75	182.61	11.091		
12,300.00	7,630.00	7,607.00	7,607.00	67.68	131.80	-90.00	-4,088.21	3,140.19	1,929.90	1,747.63	182.27	10.588		
12,400.00	7,630.00	7,607.00	7,607.00	68.99	131.80	-90.00	-4,088.21	3,140.19	1,834.91	1,652.99	181.92	10.086		
12,500.00	7,630.00	7,607.00	7,607.00	70.33	131.80	-90.00	-4,088.21	3,140.19	1,740.48	1,558.90	181.58	9.585		
12,600.00	7,630.00	7,607.00	7,607.00	71.68	131.80	-90.00	-4,088.21	3,140.19	1,646.71	1,465.47	181.25	9.085		
12,700.00	7,630.00	7,607.00	7,607.00	73.06	131.80	-90.00	-4,088.21	3,140.19	1,553.72	1,372.78	180.95	8.587		
12,800.00	7,630.00	7,607.00	7,607.00	74.45	131.80	-90.00	-4,088.21	3,140.19	1,461.66	1,280.96	180.70	8.089		
12,900.00	7,630.00	7,607.00	7,607.00	75.87	131.80	-90.00	-4,088.21	3,140.19	1,370.70	1,190.17	180.53	7.593		
13,000.00	7,630.00	7,607.00	7,607.00	77.29	131.80	-90.00	-4,088.21	3,140.19	1,281.10	1,100.60	180.50	7.098		
13,100.00	7,630.00	7,607.00	7,607.00	78.74	131.80	-90.00	-4,088.21	3,140.19	1,193.15	1,012.49	180.66	6.604		
13,200.00	7,630.00	7,607.00	7,607.00	80.19	131.80	-90.00	-4,088.21	3,140.19	1,107.25	926.13	181.12	6.113		
13,300.00	7,630.00	7,607.00	7,607.00	81.66	131.80	-90.00	-4,088.21	3,140.19	1,023.91	841.90	182.01	5.626		
13,400.00	7,630.00	7,607.00	7,607.00	83.14	131.80	-90.00	-4,088.21	3,140.19	943.81	760.32	183.48	5.144		
13,500.00	7,630.00	7,607.00	7,607.00	84.63	131.80	-90.00	-4,088.21	3,140.19	867.85	682.08	185.77	4.672		
13,600.00	7,630.00	7,607.00	7,607.00	86.14	131.80	-90.00	-4,088.21	3,140.19	797.21	608.15	189.07	4.217		
13,700.00	7,630.00	7,607.00	7,607.00	87.65	131.80	-90.00	-4,088.21	3,140.19	733.44	539.88	193.57	3.789		
13,800.00	7,630.00	7,607.00	7,607.00	89.17	131.80	-90.00	-4,088.21	3,140.19	678.47	479.17	199.30	3.404		
13,900.00	7,630.00	7,607.00	7,607.00	90.70	131.80	-90.00	-4,088.21	3,140.19	634.60	428.56	206.04	3.080		
14,000.00	7,630.00	7,607.00	7,607.00	92.24	131.80	-90.00	-4,088.21	3,140.19	604.24	391.03	213.20	2.834		
14,100.00	7,630.00	7,607.00	7,607.00	93.78	131.80	-90.00	-4,088.21	3,140.19	589.48	369.59	219.89	2.681		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
14,138.06	7,630.00	7,607.00	7,607.00	94.37	131.80	-90.00	-4,088.21	3,140.19	588.25	366.14	222.11	2.648	CC, ES	
14,200.00	7,630.00	7,607.00	7,607.00	95.33	131.80	-90.00	-4,088.21	3,140.19	591.50	366.32	225.19	2.627	SF	
14,300.00	7,630.00	7,607.00	7,607.00	96.89	131.80	-90.00	-4,088.21	3,140.19	610.13	381.60	228.54	2.670		
14,400.00	7,630.00	7,607.00	7,607.00	98.46	131.80	-90.00	-4,088.21	3,140.19	643.94	413.99	229.95	2.800		
14,500.00	7,630.00	7,607.00	7,607.00	100.03	131.80	-90.00	-4,088.21	3,140.19	690.68	460.87	229.81	3.005		
14,600.00	7,630.00	7,607.00	7,607.00	101.61	131.80	-90.00	-4,088.21	3,140.19	747.95	519.28	228.67	3.271		
14,700.00	7,630.00	7,607.00	7,607.00	103.20	131.80	-90.00	-4,088.21	3,140.19	813.52	586.55	226.97	3.584		
14,800.00	7,630.00	7,607.00	7,607.00	104.78	131.80	-90.00	-4,088.21	3,140.19	885.55	660.52	225.04	3.935		
14,900.00	7,630.00	7,607.00	7,607.00	106.38	131.80	-90.00	-4,088.21	3,140.19	962.60	739.52	223.07	4.315		
15,000.00	7,630.00	7,607.00	7,607.00	107.98	131.80	-90.00	-4,088.21	3,140.19	1,043.54	822.36	221.18	4.718		
15,100.00	7,630.00	7,607.00	7,607.00	109.58	131.80	-90.00	-4,088.21	3,140.19	1,127.55	908.13	219.42	5.139		
15,200.00	7,630.00	7,607.00	7,607.00	111.19	131.80	-90.00	-4,088.21	3,140.19	1,213.98	996.19	217.80	5.574		
15,300.00	7,630.00	7,607.00	7,607.00	112.81	131.80	-90.00	-4,088.21	3,140.19	1,302.36	1,086.04	216.32	6.020		
15,400.00	7,630.00	7,607.00	7,607.00	114.42	131.80	-90.00	-4,088.21	3,140.19	1,392.31	1,177.32	214.99	6.476		
15,500.00	7,630.00	7,607.00	7,607.00	116.05	131.80	-90.00	-4,088.21	3,140.19	1,483.55	1,269.77	213.78	6.940		
15,600.00	7,630.00	7,607.00	7,607.00	117.67	131.80	-90.00	-4,088.21	3,140.19	1,575.85	1,363.16	212.69	7.409		
15,700.00	7,630.00	7,607.00	7,607.00	119.30	131.80	-90.00	-4,088.21	3,140.19	1,669.04	1,457.33	211.71	7.884		
15,800.00	7,630.00	7,607.00	7,607.00	120.93	131.80	-90.00	-4,088.21	3,140.19	1,762.98	1,552.16	210.82	8.363		
15,900.00	7,630.00	7,607.00	7,607.00	122.57	131.80	-90.00	-4,088.21	3,140.19	1,857.55	1,647.54	210.01	8.845		
16,000.00	7,630.00	7,607.00	7,607.00	124.21	131.80	-90.00	-4,088.21	3,140.19	1,952.66	1,743.38	209.27	9.331		
16,100.00	7,630.00	7,607.00	7,607.00	125.85	131.80	-90.00	-4,088.21	3,140.19	2,048.23	1,839.63	208.60	9.819		
16,200.00	7,630.00	7,607.00	7,607.00	127.50	131.80	-90.00	-4,088.21	3,140.19	2,144.21	1,936.22	207.99	10.309		
16,300.00	7,630.00	7,607.00	7,607.00	129.15	131.80	-90.00	-4,088.21	3,140.19	2,240.54	2,033.11	207.43	10.802		
16,400.00	7,630.00	7,607.00	7,607.00	130.80	131.80	-90.00	-4,088.21	3,140.19	2,337.18	2,130.27	206.91	11.296		
16,500.00	7,630.00	7,607.00	7,607.00	132.46	131.80	-90.00	-4,088.21	3,140.19	2,434.09	2,227.65	206.44	11.791		
16,600.00	7,630.00	7,607.00	7,607.00	134.11	131.80	-90.00	-4,088.21	3,140.19	2,531.24	2,325.24	206.00	12.288		
16,700.00	7,630.00	7,607.00	7,607.00	135.77	131.80	-90.00	-4,088.21	3,140.19	2,628.61	2,423.01	205.60	12.785		
16,800.00	7,630.00	7,607.00	7,607.00	137.43	131.80	-90.00	-4,088.21	3,140.19	2,726.16	2,520.94	205.22	13.284		
16,900.00	7,630.00	7,607.00	7,607.00	139.10	131.80	-90.00	-4,088.21	3,140.19	2,823.89	2,619.01	204.88	13.783		
17,000.00	7,630.00	7,607.00	7,607.00	140.77	131.80	-90.00	-4,088.21	3,140.19	2,921.77	2,717.22	204.56	14.284		
17,100.00	7,630.00	7,607.00	7,607.00	142.44	131.80	-90.00	-4,088.21	3,140.19	3,019.79	2,815.53	204.26	14.784		
17,200.00	7,630.00	7,607.00	7,607.00	144.11	131.80	-90.00	-4,088.21	3,140.19	3,117.94	2,913.96	203.98	15.286		
17,300.00	7,630.00	7,607.00	7,607.00	145.78	131.80	-90.00	-4,088.21	3,140.19	3,216.20	3,012.48	203.72	15.787		
17,400.00	7,630.00	7,607.00	7,607.00	147.46	131.80	-90.00	-4,088.21	3,140.19	3,314.56	3,111.08	203.48	16.290		
17,500.00	7,630.00	7,607.00	7,607.00	149.13	131.80	-90.00	-4,088.21	3,140.19	3,413.02	3,209.77	203.25	16.792		
17,600.00	7,630.00	7,607.00	7,607.00	150.81	131.80	-90.00	-4,088.21	3,140.19	3,511.56	3,308.53	203.04	17.295		
17,700.00	7,630.00	7,607.00	7,607.00	152.49	131.80	-90.00	-4,088.21	3,140.19	3,610.19	3,407.35	202.84	17.798		
17,800.00	7,630.00	7,607.00	7,607.00	154.18	131.80	-90.00	-4,088.21	3,140.19	3,708.89	3,506.23	202.65	18.302		
17,900.00	7,630.00	7,607.00	7,607.00	155.86	131.80	-90.00	-4,088.21	3,140.19	3,807.66	3,605.18	202.48	18.805		
18,000.00	7,630.00	7,607.00	7,607.00	157.55	131.80	-90.00	-4,088.21	3,140.19	3,906.49	3,704.17	202.32	19.309		
18,100.00	7,630.00	7,607.00	7,607.00	159.24	131.80	-90.00	-4,088.21	3,140.19	4,005.37	3,803.21	202.16	19.813		
18,200.00	7,630.00	7,607.00	7,607.00	160.92	131.80	-90.00	-4,088.21	3,140.19	4,104.32	3,902.30	202.02	20.316		
18,300.00	7,630.00	7,607.00	7,607.00	162.62	131.80	-90.00	-4,088.21	3,140.19	4,203.31	4,001.42	201.88	20.820		
18,400.00	7,630.00	7,607.00	7,607.00	164.31	131.80	-90.00	-4,088.21	3,140.19	4,302.35	4,100.59	201.76	21.324		
18,458.39	7,630.00	7,607.00	7,607.00	165.30	131.80	-90.00	-4,088.21	3,140.19	4,360.20	4,158.51	201.69	21.619		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
0.00	0.00	0.00	0.00	0.00	0.00	145.49	-7,866.58	5,409.40	9,547.01					
100.00	100.00	74.00	74.00	0.13	0.57	145.49	-7,866.58	5,409.40	9,546.97	9,546.27	0.70	N/A		
200.00	200.00	174.00	174.00	0.49	2.06	145.49	-7,866.58	5,409.40	9,546.97	9,544.42	2.55	3,740.408		
300.00	300.00	274.00	274.00	0.85	3.80	145.49	-7,866.58	5,409.40	9,546.97	9,542.32	4.66	2,050.384		
400.00	400.00	374.00	374.00	1.21	5.55	145.49	-7,866.58	5,409.40	9,546.97	9,540.21	6.76	1,412.276		
500.00	500.00	474.00	474.00	1.57	7.30	145.49	-7,866.58	5,409.40	9,546.97	9,538.11	8.86	1,077.076		
600.00	600.00	574.00	574.00	1.93	9.04	145.49	-7,866.58	5,409.40	9,546.97	9,536.01	10.97	870.471		
700.00	700.00	674.00	674.00	2.29	10.79	145.49	-7,866.58	5,409.40	9,546.97	9,533.90	13.07	730.372		
800.00	800.00	774.00	774.00	2.64	12.53	145.49	-7,866.58	5,409.40	9,546.97	9,531.80	15.18	629.117		
900.00	900.00	874.00	874.00	3.00	14.28	145.49	-7,866.58	5,409.40	9,546.97	9,529.69	17.28	552.519		
1,000.00	1,000.00	974.00	974.00	3.36	16.02	145.49	-7,866.58	5,409.40	9,546.97	9,527.59	19.38	492.549		
1,100.00	1,100.00	1,074.00	1,074.00	3.72	17.77	145.49	-7,866.58	5,409.40	9,546.97	9,525.49	21.49	444.322		
1,200.00	1,199.98	1,173.98	1,173.98	4.07	19.51	94.43	-7,866.58	5,409.40	9,547.11	9,523.52	23.59	404.764		
1,300.00	1,299.84	1,273.84	1,273.84	4.43	21.26	94.45	-7,866.58	5,409.40	9,547.51	9,521.83	25.68	371.737		
1,400.00	1,399.45	1,373.45	1,373.45	4.79	22.99	94.49	-7,866.58	5,409.40	9,548.20	9,520.42	27.78	343.704		
1,500.00	1,498.70	1,472.70	1,472.70	5.15	24.73	94.54	-7,866.58	5,409.40	9,549.16	9,519.28	29.88	319.599		
1,600.00	1,597.47	1,571.47	1,571.47	5.53	26.45	94.61	-7,866.58	5,409.40	9,550.42	9,518.44	31.98	298.630		
1,700.00	1,695.62	1,669.62	1,669.62	5.93	28.16	94.69	-7,866.58	5,409.40	9,552.00	9,517.91	34.09	280.201		
1,800.00	1,793.06	1,767.06	1,767.06	6.35	29.86	94.78	-7,866.58	5,409.40	9,553.91	9,517.70	36.21	263.855		
1,900.00	1,889.64	1,863.64	1,863.64	6.79	31.55	94.89	-7,866.58	5,409.40	9,556.16	9,517.82	38.34	249.238		
2,000.00	1,985.27	1,959.27	1,959.27	7.27	33.22	95.00	-7,866.58	5,409.40	9,558.80	9,518.31	40.49	236.072		
2,100.00	2,079.82	2,053.82	2,053.82	7.79	34.87	95.12	-7,866.58	5,409.40	9,561.83	9,519.17	42.66	224.137		
2,200.00	2,173.17	2,147.17	2,147.17	8.36	36.50	95.25	-7,866.58	5,409.40	9,565.30	9,520.45	44.85	213.257		
2,300.00	2,265.21	2,239.21	2,239.21	8.97	38.10	95.39	-7,866.58	5,409.40	9,569.24	9,522.17	47.07	203.292		
2,400.00	2,355.84	2,329.84	2,329.84	9.64	39.69	95.53	-7,866.58	5,409.40	9,573.67	9,524.35	49.32	194.125		
2,500.00	2,444.94	2,418.94	2,418.94	10.36	41.24	95.67	-7,866.58	5,409.40	9,578.64	9,527.05	51.59	185.664		
2,591.69	2,525.19	2,500.81	2,499.19	11.07	42.67	95.80	-7,866.58	5,409.40	9,583.70	9,529.97	53.73	178.366		
2,600.00	2,532.40	2,506.40	2,506.40	11.14	42.77	95.82	-7,866.58	5,409.40	9,584.18	9,530.28	53.89	177.832		
2,700.00	2,619.15	2,606.85	2,593.15	11.96	44.52	96.08	-7,866.58	5,409.40	9,590.12	9,533.65	56.46	169.843		
2,800.00	2,705.89	2,679.89	2,679.89	12.81	45.80	96.34	-7,866.58	5,409.40	9,596.31	9,537.73	58.58	163.822		
2,900.00	2,792.64	2,766.64	2,766.64	13.67	47.31	96.59	-7,866.58	5,409.40	9,602.75	9,541.80	60.95	157.560		
3,000.00	2,879.39	2,853.39	2,853.39	14.55	48.82	96.85	-7,866.58	5,409.40	9,609.45	9,546.12	63.33	151.737		
3,100.00	2,966.14	2,940.14	2,940.14	15.44	50.34	97.11	-7,866.58	5,409.40	9,616.40	9,550.68	65.72	146.316		
3,200.00	3,052.88	3,026.88	3,026.88	16.34	51.85	97.36	-7,866.58	5,409.40	9,623.60	9,555.48	68.13	141.261		
3,300.00	3,139.63	3,113.63	3,113.63	17.25	53.37	97.62	-7,866.58	5,409.40	9,631.06	9,560.52	70.54	136.539		
3,400.00	3,226.38	3,200.38	3,200.38	18.17	54.88	97.87	-7,866.58	5,409.40	9,638.76	9,565.81	72.95	132.122		
3,500.00	3,313.12	3,287.12	3,287.12	19.09	56.39	98.13	-7,866.58	5,409.40	9,646.72	9,571.34	75.37	127.983		
3,600.00	3,399.87	3,373.87	3,373.87	20.02	57.91	98.38	-7,866.58	5,409.40	9,654.92	9,577.12	77.80	124.099		
3,700.00	3,486.62	3,460.62	3,460.62	20.96	59.42	98.64	-7,866.58	5,409.40	9,663.38	9,583.15	80.23	120.448		
3,800.00	3,573.37	3,547.37	3,547.37	21.90	60.94	98.89	-7,866.58	5,409.40	9,672.08	9,589.42	82.66	117.011		
3,900.00	3,660.11	3,634.11	3,634.11	22.84	62.45	99.14	-7,866.58	5,409.40	9,681.03	9,595.94	85.09	113.771		
4,000.00	3,746.86	3,720.86	3,720.86	23.78	63.96	99.40	-7,866.58	5,409.40	9,690.23	9,602.70	87.53	110.711		
4,100.00	3,833.61	3,807.61	3,807.61	24.73	65.48	99.65	-7,866.58	5,409.40	9,699.67	9,609.71	89.96	107.819		
4,200.00	3,920.35	3,905.65	3,894.35	25.68	67.19	99.90	-7,866.58	5,409.40	9,709.36	9,616.77	92.60	104.857		
4,300.00	4,007.10	3,981.10	3,981.10	26.63	68.51	100.15	-7,866.58	5,409.40	9,719.30	9,624.46	94.84	102.486		
4,400.00	4,093.85	4,067.85	4,067.85	27.59	70.02	100.40	-7,866.58	5,409.40	9,729.48	9,632.21	97.27	100.023		
4,500.00	4,180.60	4,154.60	4,154.60	28.55	71.53	100.65	-7,866.58	5,409.40	9,739.90	9,640.19	99.71	97.683		
4,600.00	4,267.34	4,241.34	4,241.34	29.50	73.05	100.91	-7,866.58	5,409.40	9,750.57	9,648.42	102.15	95.458		
4,700.00	4,354.09	4,328.09	4,328.09	30.46	74.56	101.16	-7,866.58	5,409.40	9,761.47	9,656.89	104.58	93.339		
4,800.00	4,440.84	4,414.84	4,414.84	31.42	76.08	101.41	-7,866.58	5,409.40	9,772.62	9,665.61	107.02	91.319		
4,900.00	4,527.58	4,501.58	4,501.58	32.39	77.59	101.66	-7,866.58	5,409.40	9,784.01	9,674.56	109.45	89.393		
5,000.00	4,614.33	4,588.33	4,588.33	33.35	79.10	101.90	-7,866.58	5,409.40	9,795.64	9,683.76	111.88	87.553		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
5,100.00	4,701.08	4,675.08	4,675.08	34.31	80.62	102.15	-7,866.58	5,409.40	9,807.51	9,693.19	114.31	85.794		
5,200.00	4,787.82	4,761.82	4,761.82	35.28	82.13	102.40	-7,866.58	5,409.40	9,819.61	9,702.87	116.75	84.111		
5,300.00	4,874.57	4,848.57	4,848.57	36.25	83.65	102.65	-7,866.58	5,409.40	9,831.95	9,712.78	119.17	82.501		
5,400.00	4,961.32	4,935.32	4,935.32	37.21	85.16	102.90	-7,866.58	5,409.40	9,844.53	9,722.93	121.60	80.957		
5,500.00	5,048.07	5,022.07	5,022.07	38.18	86.67	103.14	-7,866.58	5,409.40	9,857.34	9,733.31	124.03	79.477		
5,600.00	5,134.81	5,108.81	5,108.81	39.15	88.19	103.39	-7,866.58	5,409.40	9,870.39	9,743.94	126.45	78.056		
5,700.00	5,221.56	5,204.44	5,195.56	40.12	89.86	103.63	-7,866.58	5,409.40	9,883.67	9,754.64	129.03	76.600		
5,800.00	5,308.31	5,282.31	5,282.31	41.09	91.22	103.88	-7,866.58	5,409.40	9,897.18	9,765.88	131.29	75.381		
5,900.00	5,395.05	5,369.05	5,369.05	42.06	92.73	104.12	-7,866.58	5,409.40	9,910.92	9,777.21	133.71	74.121		
6,000.00	5,481.80	5,455.80	5,455.80	43.03	94.24	104.37	-7,866.58	5,409.40	9,924.90	9,788.77	136.13	72.908		
6,100.00	5,568.55	5,542.55	5,542.55	44.00	95.76	104.61	-7,866.58	5,409.40	9,939.10	9,800.55	138.54	71.740		
6,200.00	5,655.30	5,629.30	5,629.30	44.97	97.27	104.85	-7,866.58	5,409.40	9,953.53	9,812.57	140.96	70.614		
6,300.00	5,742.04	5,716.04	5,716.04	45.94	98.79	105.10	-7,866.58	5,409.40	9,968.19	9,824.82	143.37	69.530		
6,400.00	5,828.79	5,802.79	5,802.79	46.92	100.30	105.34	-7,866.58	5,409.40	9,983.07	9,837.30	145.77	68.483		
6,500.00	5,915.54	5,889.54	5,889.54	47.89	101.81	105.58	-7,866.58	5,409.40	9,998.18	9,850.01	148.18	67.474		
8,350.00	7,497.71	7,471.71	7,471.71	61.93	129.43	4.57	-7,866.58	5,409.40	9,963.33	9,773.85	189.47	52.584		
8,400.00	7,526.53	7,500.53	7,500.53	61.81	129.93	-0.49	-7,866.58	5,409.40	9,922.50	9,732.51	189.99	52.225		
8,450.00	7,552.17	7,526.17	7,526.17	61.66	130.38	-6.31	-7,866.58	5,409.40	9,879.61	9,689.18	190.43	51.881		
8,500.00	7,574.41	7,548.41	7,548.41	61.48	130.77	-13.44	-7,866.58	5,409.40	9,834.98	9,644.20	190.78	51.552		
8,550.00	7,593.09	7,567.09	7,567.09	61.29	131.09	-22.61	-7,866.58	5,409.40	9,788.94	9,597.90	191.04	51.241		
8,600.00	7,608.07	7,582.07	7,582.07	61.07	131.35	-34.69	-7,866.58	5,409.40	9,741.86	9,550.65	191.21	50.948		
8,650.00	7,619.23	7,606.77	7,593.23	60.84	131.79	-50.16	-7,866.58	5,409.40	9,694.09	9,502.56	191.54	50.612		
8,700.00	7,626.48	7,600.48	7,600.48	60.60	131.68	-67.92	-7,866.58	5,409.40	9,646.01	9,454.71	191.30	50.423		
8,750.00	7,629.78	7,603.78	7,603.78	60.35	131.73	-85.01	-7,866.58	5,409.40	9,597.99	9,406.77	191.22	50.193		
8,766.45	7,630.00	7,604.00	7,604.00	60.27	131.74	-90.00	-7,866.58	5,409.40	9,582.27	9,391.10	191.18	50.122		
8,800.00	7,630.00	7,604.00	7,604.00	60.10	131.74	-90.00	-7,866.58	5,409.40	9,550.27	9,359.19	191.08	49.981		
8,900.00	7,630.00	7,604.00	7,604.00	59.61	131.74	-90.00	-7,866.58	5,409.40	9,454.94	9,264.16	190.78	49.560		
9,000.00	7,630.00	7,604.00	7,604.00	59.15	131.74	-90.00	-7,866.58	5,409.40	9,359.70	9,169.23	190.47	49.139		
9,100.00	7,630.00	7,604.00	7,604.00	58.71	131.74	-90.00	-7,866.58	5,409.40	9,264.57	9,074.40	190.17	48.717		
9,200.00	7,630.00	7,604.00	7,604.00	58.30	131.74	-90.00	-7,866.58	5,409.40	9,169.55	8,979.68	189.86	48.296		
9,300.00	7,630.00	7,604.00	7,604.00	57.91	131.74	-90.00	-7,866.58	5,409.40	9,074.62	8,885.07	189.55	47.874		
9,400.00	7,630.00	7,604.00	7,604.00	57.54	131.74	-90.00	-7,866.58	5,409.40	8,979.81	8,790.57	189.24	47.452		
9,500.00	7,630.00	7,604.00	7,604.00	57.19	131.74	-90.00	-7,866.58	5,409.40	8,885.12	8,696.19	188.92	47.030		
9,600.00	7,630.00	7,604.00	7,604.00	56.87	131.74	-90.00	-7,866.58	5,409.40	8,790.54	8,601.93	188.61	46.607		
9,700.00	7,630.00	7,604.00	7,604.00	56.57	131.74	-90.00	-7,866.58	5,409.40	8,696.08	8,507.79	188.29	46.185		
9,800.00	7,630.00	7,604.00	7,604.00	56.30	131.74	-90.00	-7,866.58	5,409.40	8,601.75	8,413.78	187.97	45.761		
9,900.00	7,630.00	7,604.00	7,604.00	56.05	131.74	-90.00	-7,866.58	5,409.40	8,507.54	8,319.89	187.65	45.338		
10,000.00	7,630.00	7,604.00	7,604.00	55.82	131.74	-90.00	-7,866.58	5,409.40	8,413.47	8,226.15	187.33	44.914		
10,100.00	7,630.00	7,604.00	7,604.00	55.63	131.74	-90.00	-7,866.58	5,409.40	8,319.54	8,132.54	187.00	44.489		
10,200.00	7,630.00	7,604.00	7,604.00	55.46	131.74	-90.00	-7,866.58	5,409.40	8,225.75	8,039.08	186.68	44.064		
10,300.00	7,630.00	7,604.00	7,604.00	55.32	131.74	-90.00	-7,866.58	5,409.40	8,132.11	7,945.76	186.35	43.638		
10,400.00	7,630.00	7,604.00	7,604.00	55.22	131.74	-90.00	-7,866.58	5,409.40	8,038.63	7,852.60	186.03	43.212		
10,500.00	7,630.00	7,604.00	7,604.00	55.15	131.74	-90.00	-7,866.58	5,409.40	7,945.30	7,759.59	185.71	42.784		
10,600.00	7,630.00	7,604.00	7,604.00	55.14	131.74	-90.00	-7,866.58	5,409.40	7,852.13	7,666.75	185.38	42.356		
10,700.00	7,630.00	7,604.00	7,604.00	55.18	131.74	-90.00	-7,866.58	5,409.40	7,759.14	7,574.08	185.06	41.927		
10,800.00	7,630.00	7,604.00	7,604.00	55.28	131.74	-90.00	-7,866.58	5,409.40	7,666.32	7,481.58	184.74	41.497		
10,900.00	7,630.00	7,604.00	7,604.00	55.47	131.74	-90.00	-7,866.58	5,409.40	7,573.69	7,389.26	184.43	41.066		
11,000.00	7,630.00	7,604.00	7,604.00	55.74	131.74	-90.00	-7,866.58	5,409.40	7,481.24	7,297.13	184.11	40.634		
11,100.00	7,630.00	7,604.00	7,604.00	56.11	131.74	-90.00	-7,866.58	5,409.40	7,388.99	7,205.19	183.81	40.200		
11,200.00	7,630.00	7,604.00	7,604.00	56.60	131.74	-90.00	-7,866.58	5,409.40	7,296.95	7,113.45	183.50	39.765		
11,300.00	7,630.00	7,604.00	7,604.00	57.20	131.74	-90.00	-7,866.58	5,409.40	7,205.12	7,021.91	183.21	39.328		
11,400.00	7,630.00	7,604.00	7,604.00	57.91	131.74	-90.00	-7,866.58	5,409.40	7,113.51	6,930.59	182.92	38.890		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
11,500.00	7,630.00	7,604.00	7,604.00	58.72	131.74	-90.00	-7,866.58	5,409.40	7,022.12	6,839.49	182.63	38.449		
11,600.00	7,630.00	7,604.00	7,604.00	59.63	131.74	-90.00	-7,866.58	5,409.40	6,930.98	6,748.62	182.36	38.007		
11,700.00	7,630.00	7,604.00	7,604.00	60.61	131.74	-90.00	-7,866.58	5,409.40	6,840.08	6,657.98	182.10	37.562		
11,800.00	7,630.00	7,604.00	7,604.00	61.67	131.74	-90.00	-7,866.58	5,409.40	6,749.44	6,567.59	181.85	37.115		
11,900.00	7,630.00	7,604.00	7,604.00	62.78	131.74	-90.00	-7,866.58	5,409.40	6,659.07	6,477.45	181.62	36.665		
12,000.00	7,630.00	7,604.00	7,604.00	63.95	131.74	-90.00	-7,866.58	5,409.40	6,568.98	6,387.57	181.40	36.212		
12,100.00	7,630.00	7,604.00	7,604.00	65.16	131.74	-90.00	-7,866.58	5,409.40	6,479.17	6,297.97	181.20	35.756		
12,200.00	7,630.00	7,604.00	7,604.00	66.41	131.74	-90.00	-7,866.58	5,409.40	6,389.67	6,208.65	181.02	35.298		
12,300.00	7,630.00	7,604.00	7,604.00	67.68	131.74	-90.00	-7,866.58	5,409.40	6,300.49	6,119.62	180.87	34.835		
12,400.00	7,630.00	7,604.00	7,604.00	68.99	131.74	-90.00	-7,866.58	5,409.40	6,211.64	6,030.90	180.73	34.369		
12,500.00	7,630.00	7,604.00	7,604.00	70.33	131.74	-90.00	-7,866.58	5,409.40	6,123.13	5,942.50	180.63	33.899		
12,600.00	7,630.00	7,604.00	7,604.00	71.68	131.74	-90.00	-7,866.58	5,409.40	6,034.97	5,854.42	180.56	33.425		
12,700.00	7,630.00	7,604.00	7,604.00	73.06	131.74	-90.00	-7,866.58	5,409.40	5,947.20	5,766.68	180.51	32.946		
12,800.00	7,630.00	7,604.00	7,604.00	74.45	131.74	-90.00	-7,866.58	5,409.40	5,859.81	5,679.30	180.51	32.463		
12,900.00	7,630.00	7,604.00	7,604.00	75.87	131.74	-90.00	-7,866.58	5,409.40	5,772.84	5,592.29	180.55	31.974		
13,000.00	7,630.00	7,604.00	7,604.00	77.29	131.74	-90.00	-7,866.58	5,409.40	5,686.29	5,505.67	180.63	31.481		
13,100.00	7,630.00	7,604.00	7,604.00	78.74	131.74	-90.00	-7,866.58	5,409.40	5,600.19	5,419.44	180.75	30.983		
13,200.00	7,630.00	7,604.00	7,604.00	80.19	131.74	-90.00	-7,866.58	5,409.40	5,514.56	5,333.63	180.93	30.479		
13,300.00	7,630.00	7,604.00	7,604.00	81.66	131.74	-90.00	-7,866.58	5,409.40	5,429.42	5,248.26	181.16	29.970		
13,400.00	7,630.00	7,604.00	7,604.00	83.14	131.74	-90.00	-7,866.58	5,409.40	5,344.80	5,163.34	181.46	29.455		
13,500.00	7,630.00	7,604.00	7,604.00	84.63	131.74	-90.00	-7,866.58	5,409.40	5,260.72	5,078.90	181.81	28.935		
13,600.00	7,630.00	7,604.00	7,604.00	86.14	131.74	-90.00	-7,866.58	5,409.40	5,177.20	4,994.96	182.24	28.409		
13,700.00	7,630.00	7,604.00	7,604.00	87.65	131.74	-90.00	-7,866.58	5,409.40	5,094.27	4,911.54	182.73	27.878		
13,800.00	7,630.00	7,604.00	7,604.00	89.17	131.74	-90.00	-7,866.58	5,409.40	5,011.97	4,828.67	183.31	27.342		
13,900.00	7,630.00	7,604.00	7,604.00	90.70	131.74	-90.00	-7,866.58	5,409.40	4,930.33	4,746.36	183.96	26.801		
14,000.00	7,630.00	7,604.00	7,604.00	92.24	131.74	-90.00	-7,866.58	5,409.40	4,849.37	4,664.67	184.70	26.255		
14,100.00	7,630.00	7,604.00	7,604.00	93.78	131.74	-90.00	-7,866.58	5,409.40	4,769.13	4,583.60	185.53	25.705		
14,200.00	7,630.00	7,604.00	7,604.00	95.33	131.74	-90.00	-7,866.58	5,409.40	4,689.65	4,503.20	186.45	25.152		
14,300.00	7,630.00	7,604.00	7,604.00	96.89	131.74	-90.00	-7,866.58	5,409.40	4,610.98	4,423.50	187.47	24.595		
14,400.00	7,630.00	7,604.00	7,604.00	98.46	131.74	-90.00	-7,866.58	5,409.40	4,533.14	4,344.54	188.59	24.036		
14,500.00	7,630.00	7,604.00	7,604.00	100.03	131.74	-90.00	-7,866.58	5,409.40	4,456.19	4,266.37	189.82	23.476		
14,600.00	7,630.00	7,604.00	7,604.00	101.61	131.74	-90.00	-7,866.58	5,409.40	4,380.16	4,189.01	191.15	22.914		
14,700.00	7,630.00	7,604.00	7,604.00	103.20	131.74	-90.00	-7,866.58	5,409.40	4,305.12	4,112.53	192.60	22.353		
14,800.00	7,630.00	7,604.00	7,604.00	104.78	131.74	-90.00	-7,866.58	5,409.40	4,231.11	4,036.96	194.15	21.793		
14,900.00	7,630.00	7,604.00	7,604.00	106.38	131.74	-90.00	-7,866.58	5,409.40	4,158.19	3,962.37	195.83	21.234		
15,000.00	7,630.00	7,604.00	7,604.00	107.98	131.74	-90.00	-7,866.58	5,409.40	4,086.42	3,888.80	197.62	20.679		
15,100.00	7,630.00	7,604.00	7,604.00	109.58	131.74	-90.00	-7,866.58	5,409.40	4,015.85	3,816.33	199.52	20.127		
15,200.00	7,630.00	7,604.00	7,604.00	111.19	131.74	-90.00	-7,866.58	5,409.40	3,946.56	3,745.01	201.55	19.581		
15,300.00	7,630.00	7,604.00	7,604.00	112.81	131.74	-90.00	-7,866.58	5,409.40	3,878.60	3,674.90	203.70	19.041		
15,400.00	7,630.00	7,604.00	7,604.00	114.42	131.74	-90.00	-7,866.58	5,409.40	3,812.06	3,606.09	205.97	18.508		
15,500.00	7,630.00	7,604.00	7,604.00	116.05	131.74	-90.00	-7,866.58	5,409.40	3,747.00	3,538.65	208.35	17.984		
15,600.00	7,630.00	7,604.00	7,604.00	117.67	131.74	-90.00	-7,866.58	5,409.40	3,683.52	3,472.66	210.86	17.469		
15,700.00	7,630.00	7,604.00	7,604.00	119.30	131.74	-90.00	-7,866.58	5,409.40	3,621.68	3,408.20	213.48	16.965		
15,800.00	7,630.00	7,604.00	7,604.00	120.93	131.74	-90.00	-7,866.58	5,409.40	3,561.57	3,345.35	216.22	16.472		
15,900.00	7,630.00	7,604.00	7,604.00	122.57	131.74	-90.00	-7,866.58	5,409.40	3,503.29	3,284.23	219.06	15.992		
16,000.00	7,630.00	7,604.00	7,604.00	124.21	131.74	-90.00	-7,866.58	5,409.40	3,446.92	3,224.91	222.01	15.526		
16,100.00	7,630.00	7,604.00	7,604.00	125.85	131.74	-90.00	-7,866.58	5,409.40	3,392.57	3,167.50	225.07	15.074		
16,200.00	7,630.00	7,604.00	7,604.00	127.50	131.74	-90.00	-7,866.58	5,409.40	3,340.32	3,112.11	228.21	14.637		
16,300.00	7,630.00	7,604.00	7,604.00	129.15	131.74	-90.00	-7,866.58	5,409.40	3,290.29	3,058.84	231.45	14.216		
16,400.00	7,630.00	7,604.00	7,604.00	130.80	131.74	-90.00	-7,866.58	5,409.40	3,242.57	3,007.81	234.76	13.812		
16,500.00	7,630.00	7,604.00	7,604.00	132.46	131.74	-90.00	-7,866.58	5,409.40	3,197.27	2,959.13	238.14	13.426		
16,600.00	7,630.00	7,604.00	7,604.00	134.11	131.74	-90.00	-7,866.58	5,409.40	3,154.48	2,912.91	241.58	13.058		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<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 - SI VERT CRANDELL E UNIT 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	
16,700.00	7,630.00	7,604.00	7,604.00	135.77	131.74	-90.00	-7,866.58	5,409.40	3,114.32	2,869.26	245.06	12.709	
16,800.00	7,630.00	7,604.00	7,604.00	137.43	131.74	-90.00	-7,866.58	5,409.40	3,076.89	2,828.32	248.57	12.378	
16,900.00	7,630.00	7,604.00	7,604.00	139.10	131.74	-90.00	-7,866.58	5,409.40	3,042.28	2,790.18	252.10	12.068	
17,000.00	7,630.00	7,604.00	7,604.00	140.77	131.74	-90.00	-7,866.58	5,409.40	3,010.60	2,754.97	255.63	11.777	
17,100.00	7,630.00	7,604.00	7,604.00	142.44	131.74	-90.00	-7,866.58	5,409.40	2,981.94	2,722.79	259.15	11.507	
17,200.00	7,630.00	7,604.00	7,604.00	144.11	131.74	-90.00	-7,866.58	5,409.40	2,956.39	2,693.75	262.64	11.257	
17,300.00	7,630.00	7,604.00	7,604.00	145.78	131.74	-90.00	-7,866.58	5,409.40	2,934.02	2,667.95	266.07	11.027	
17,400.00	7,630.00	7,604.00	7,604.00	147.46	131.74	-90.00	-7,866.58	5,409.40	2,914.91	2,645.47	269.44	10.818	
17,500.00	7,630.00	7,604.00	7,604.00	149.13	131.74	-90.00	-7,866.58	5,409.40	2,899.13	2,626.41	272.72	10.630	
17,600.00	7,630.00	7,604.00	7,604.00	150.81	131.74	-90.00	-7,866.58	5,409.40	2,886.73	2,610.83	275.90	10.463	
17,700.00	7,630.00	7,604.00	7,604.00	152.49	131.74	-90.00	-7,866.58	5,409.40	2,877.75	2,598.79	278.96	10.316	
17,800.00	7,630.00	7,604.00	7,604.00	154.18	131.74	-90.00	-7,866.58	5,409.40	2,872.23	2,590.34	281.89	10.189	
17,900.00	7,630.00	7,604.00	7,604.00	155.86	131.74	-90.00	-7,866.58	5,409.40	2,870.18	2,585.51	284.67	10.082	
17,908.77	7,630.00	7,604.00	7,604.00	156.01	131.74	-90.00	-7,866.58	5,409.40	2,870.17	2,585.26	284.91	10.074 CC	
18,000.00	7,630.00	7,604.00	7,604.00	157.55	131.74	-90.00	-7,866.58	5,409.40	2,871.62	2,584.32	287.29	9.995 ES	
18,100.00	7,630.00	7,604.00	7,604.00	159.24	131.74	-90.00	-7,866.58	5,409.40	2,876.53	2,586.79	289.75	9.928	
18,200.00	7,630.00	7,604.00	7,604.00	160.92	131.74	-90.00	-7,866.58	5,409.40	2,884.91	2,592.89	292.02	9.879	
18,300.00	7,630.00	7,604.00	7,604.00	162.62	131.74	-90.00	-7,866.58	5,409.40	2,896.71	2,602.60	294.11	9.849	
18,400.00	7,630.00	7,604.00	7,604.00	164.31	131.74	-90.00	-7,866.58	5,409.40	2,911.90	2,615.89	296.01	9.837 SF	
18,458.39	7,630.00	7,604.00	7,604.00	165.30	131.74	-90.00	-7,866.58	5,409.40	2,922.32	2,625.28	297.03	9.838	



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	148.62	-5,431.68	3,312.60	6,362.15					
100.00	100.00	77.00	77.00	0.13	0.58	148.62	-5,431.68	3,312.60	6,362.11	6,361.39	0.72	8,848.238		
200.00	200.00	177.00	177.00	0.49	2.10	148.62	-5,431.68	3,312.60	6,362.11	6,359.52	2.60	2,450.716		
300.00	300.00	277.00	277.00	0.85	3.85	148.62	-5,431.68	3,312.60	6,362.11	6,357.41	4.70	1,353.692		
400.00	400.00	377.00	377.00	1.21	5.59	148.62	-5,431.68	3,312.60	6,362.11	6,355.31	6.80	935.106		
500.00	500.00	477.00	477.00	1.57	7.34	148.62	-5,431.68	3,312.60	6,362.11	6,353.20	8.91	714.248		
600.00	600.00	577.00	577.00	1.93	9.08	148.62	-5,431.68	3,312.60	6,362.11	6,351.10	11.01	577.784		
700.00	700.00	677.00	677.00	2.29	10.83	148.62	-5,431.68	3,312.60	6,362.11	6,349.00	13.12	485.101		
800.00	800.00	777.00	777.00	2.64	12.58	148.62	-5,431.68	3,312.60	6,362.11	6,346.89	15.22	418.042		
900.00	900.00	877.00	877.00	3.00	14.32	148.62	-5,431.68	3,312.60	6,362.11	6,344.79	17.32	367.272		
1,000.00	1,000.00	977.00	977.00	3.36	16.07	148.62	-5,431.68	3,312.60	6,362.11	6,342.68	19.43	327.498		
1,100.00	1,100.00	1,077.00	1,077.00	3.72	17.81	148.62	-5,431.68	3,312.60	6,362.11	6,340.58	21.53	295.497		
1,200.00	1,199.98	1,176.98	1,176.98	4.07	19.56	97.57	-5,431.68	3,312.60	6,362.34	6,338.71	23.63	269.243		
1,300.00	1,299.84	1,276.84	1,276.84	4.43	21.30	97.60	-5,431.68	3,312.60	6,363.03	6,337.31	25.73	247.326		
1,400.00	1,399.45	1,376.45	1,376.45	4.79	23.04	97.65	-5,431.68	3,312.60	6,364.19	6,336.37	27.82	228.729		
1,500.00	1,498.70	1,475.70	1,475.70	5.15	24.77	97.73	-5,431.68	3,312.60	6,365.84	6,335.91	29.92	212.743		
1,600.00	1,597.47	1,574.47	1,574.47	5.53	26.49	97.82	-5,431.68	3,312.60	6,367.98	6,335.95	32.02	198.845		
1,700.00	1,695.62	1,672.62	1,672.62	5.93	28.21	97.94	-5,431.68	3,312.60	6,370.64	6,336.51	34.13	186.637		
1,800.00	1,793.06	1,770.06	1,770.06	6.35	29.91	98.07	-5,431.68	3,312.60	6,373.86	6,337.60	36.25	175.818		
1,900.00	1,889.64	1,866.64	1,866.64	6.79	31.59	98.22	-5,431.68	3,312.60	6,377.65	6,339.27	38.38	166.152		
2,000.00	1,985.27	1,962.27	1,962.27	7.27	33.26	98.38	-5,431.68	3,312.60	6,382.06	6,341.53	40.53	157.455		
2,100.00	2,079.82	2,056.82	2,056.82	7.79	34.91	98.55	-5,431.68	3,312.60	6,387.12	6,344.42	42.70	149.580		
2,200.00	2,173.17	2,150.17	2,150.17	8.36	36.54	98.73	-5,431.68	3,312.60	6,392.88	6,347.99	44.89	142.412		
2,300.00	2,265.21	2,242.21	2,242.21	8.97	38.15	98.92	-5,431.68	3,312.60	6,399.38	6,352.28	47.10	135.856		
2,400.00	2,355.84	2,332.84	2,332.84	9.64	39.73	99.12	-5,431.68	3,312.60	6,406.68	6,357.33	49.34	129.837		
2,500.00	2,444.94	2,421.94	2,421.94	10.36	41.28	99.32	-5,431.68	3,312.60	6,414.81	6,363.20	51.61	124.292		
2,591.69	2,525.19	2,502.19	2,502.19	11.07	42.69	99.50	-5,431.68	3,312.60	6,423.06	6,369.35	53.71	119.580		
2,600.00	2,532.40	2,509.40	2,509.40	11.14	42.81	99.53	-5,431.68	3,312.60	6,423.84	6,369.94	53.90	119.170		
2,700.00	2,619.15	2,603.85	2,596.15	11.96	44.46	99.91	-5,431.68	3,312.60	6,433.48	6,377.12	56.36	114.152		
2,800.00	2,705.89	2,682.89	2,682.89	12.81	45.84	100.29	-5,431.68	3,312.60	6,443.48	6,384.92	58.56	110.026		
2,900.00	2,792.64	2,769.64	2,769.64	13.67	47.35	100.67	-5,431.68	3,312.60	6,453.86	6,392.94	60.92	105.943		
3,000.00	2,879.39	2,856.39	2,856.39	14.55	48.87	101.05	-5,431.68	3,312.60	6,464.60	6,401.31	63.28	102.151		
3,100.00	2,966.14	2,943.14	2,943.14	15.44	50.38	101.42	-5,431.68	3,312.60	6,475.70	6,410.04	65.66	98.624		
3,200.00	3,052.88	3,029.88	3,029.88	16.34	51.90	101.80	-5,431.68	3,312.60	6,487.16	6,419.12	68.04	95.338		
3,300.00	3,139.63	3,116.63	3,116.63	17.25	53.41	102.17	-5,431.68	3,312.60	6,498.99	6,428.56	70.43	92.272		
3,400.00	3,226.38	3,203.38	3,203.38	18.17	54.92	102.55	-5,431.68	3,312.60	6,511.18	6,438.35	72.83	89.407		
3,500.00	3,313.12	3,309.88	3,290.12	19.09	56.78	102.92	-5,431.68	3,312.60	6,523.72	6,448.15	75.57	86.330		
3,600.00	3,399.87	3,376.87	3,376.87	20.02	57.95	103.29	-5,431.68	3,312.60	6,536.61	6,458.99	77.62	84.212		
3,700.00	3,486.62	3,463.62	3,463.62	20.96	59.47	103.66	-5,431.68	3,312.60	6,549.86	6,469.84	80.02	81.852		
3,800.00	3,573.37	3,550.37	3,550.37	21.90	60.98	104.03	-5,431.68	3,312.60	6,563.46	6,481.04	82.42	79.633		
3,900.00	3,660.11	3,637.11	3,637.11	22.84	62.49	104.40	-5,431.68	3,312.60	6,577.41	6,492.59	84.82	77.544		
4,000.00	3,746.86	3,723.86	3,723.86	23.78	64.01	104.77	-5,431.68	3,312.60	6,591.70	6,504.48	87.22	75.574		
4,100.00	3,833.61	3,810.61	3,810.61	24.73	65.52	105.13	-5,431.68	3,312.60	6,606.34	6,516.72	89.62	73.715		
4,200.00	3,920.35	3,902.65	3,897.35	25.68	67.13	105.50	-5,431.68	3,312.60	6,621.32	6,529.21	92.11	71.885		
4,300.00	4,007.10	3,984.10	3,984.10	26.63	68.55	105.86	-5,431.68	3,312.60	6,636.64	6,542.22	94.41	70.293		
4,400.00	4,093.85	4,070.85	4,070.85	27.59	70.06	106.22	-5,431.68	3,312.60	6,652.29	6,555.48	96.81	68.716		
4,500.00	4,180.60	4,157.60	4,157.60	28.55	71.58	106.59	-5,431.68	3,312.60	6,668.28	6,569.08	99.20	67.221		
4,600.00	4,267.34	4,244.34	4,244.34	29.50	73.09	106.94	-5,431.68	3,312.60	6,684.60	6,583.01	101.59	65.801		
4,700.00	4,354.09	4,331.09	4,331.09	30.46	74.61	107.30	-5,431.68	3,312.60	6,701.25	6,597.27	103.98	64.450		
4,800.00	4,440.84	4,417.84	4,417.84	31.42	76.12	107.66	-5,431.68	3,312.60	6,718.23	6,611.87	106.36	63.166		
4,900.00	4,527.58	4,504.58	4,504.58	32.39	77.63	108.01	-5,431.68	3,312.60	6,735.53	6,626.79	108.74	61.942		
5,000.00	4,614.33	4,608.67	4,591.33	33.35	79.45	108.37	-5,431.68	3,312.60	6,753.15	6,641.73	111.42	60.610		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
5,100.00	4,701.08	4,678.08	4,678.08	34.31	80.66	108.72	-5,431.68	3,312.60	6,771.10	6,657.61	113.49	59.662		
5,200.00	4,787.82	4,764.82	4,764.82	35.28	82.18	109.07	-5,431.68	3,312.60	6,789.36	6,673.50	115.86	58.599		
5,300.00	4,874.57	4,851.57	4,851.57	36.25	83.69	109.42	-5,431.68	3,312.60	6,807.93	6,689.70	118.23	57.583		
5,400.00	4,961.32	4,938.32	4,938.32	37.21	85.20	109.77	-5,431.68	3,312.60	6,826.82	6,706.23	120.59	56.611		
5,500.00	5,048.07	5,025.07	5,025.07	38.18	86.72	110.12	-5,431.68	3,312.60	6,846.02	6,723.07	122.95	55.681		
5,600.00	5,134.81	5,111.81	5,111.81	39.15	88.23	110.46	-5,431.68	3,312.60	6,865.52	6,740.21	125.31	54.789		
5,700.00	5,221.56	5,201.44	5,198.56	40.12	89.80	110.80	-5,431.68	3,312.60	6,885.33	6,757.62	127.71	53.914		
5,800.00	5,308.31	5,285.31	5,285.31	41.09	91.26	111.15	-5,431.68	3,312.60	6,905.44	6,775.43	130.01	53.116		
5,900.00	5,395.05	5,372.05	5,372.05	42.06	92.77	111.49	-5,431.68	3,312.60	6,925.85	6,793.50	132.35	52.330		
6,000.00	5,481.80	5,458.80	5,458.80	43.03	94.29	111.82	-5,431.68	3,312.60	6,946.55	6,811.86	134.69	51.575		
6,100.00	5,568.55	5,545.55	5,545.55	44.00	95.80	112.16	-5,431.68	3,312.60	6,967.55	6,830.53	137.02	50.849		
6,200.00	5,655.30	5,632.30	5,632.30	44.97	97.32	112.50	-5,431.68	3,312.60	6,988.84	6,849.49	139.36	50.151		
6,300.00	5,742.04	5,719.04	5,719.04	45.94	98.83	112.83	-5,431.68	3,312.60	7,010.42	6,868.74	141.68	49.480		
6,400.00	5,828.79	5,805.79	5,805.79	46.92	100.34	113.16	-5,431.68	3,312.60	7,032.28	6,888.28	144.00	48.834		
6,500.00	5,915.54	5,907.46	5,892.54	47.89	102.12	113.49	-5,431.68	3,312.60	7,054.43	6,907.85	146.58	48.126		
6,600.00	6,002.28	5,979.28	5,979.28	48.86	103.37	113.82	-5,431.68	3,312.60	7,076.86	6,928.22	148.64	47.612		
6,700.00	6,089.03	6,066.03	6,066.03	49.83	104.89	114.15	-5,431.68	3,312.60	7,099.56	6,948.62	150.95	47.034		
6,800.00	6,175.78	6,152.78	6,152.78	50.81	106.40	114.48	-5,431.68	3,312.60	7,122.54	6,969.29	153.25	46.476		
6,900.00	6,262.53	6,239.53	6,239.53	51.78	107.91	114.80	-5,431.68	3,312.60	7,145.80	6,990.24	155.55	45.939		
7,000.00	6,349.27	6,326.27	6,326.27	52.76	109.43	115.12	-5,431.68	3,312.60	7,169.32	7,011.47	157.85	45.419		
7,100.00	6,436.02	6,413.02	6,413.02	53.73	110.94	115.44	-5,431.68	3,312.60	7,193.11	7,032.97	160.14	44.918		
7,200.00	6,522.77	6,500.23	6,499.77	54.71	112.46	115.76	-5,431.68	3,312.60	7,217.16	7,054.73	162.43	44.431		
7,300.00	6,609.51	6,586.51	6,586.51	55.68	113.97	116.08	-5,431.68	3,312.60	7,241.48	7,076.77	164.71	43.965		
7,400.00	6,696.26	6,673.26	6,673.26	56.66	115.48	116.39	-5,431.68	3,312.60	7,266.05	7,099.07	166.99	43.513		
7,500.00	6,783.01	6,760.01	6,760.01	57.63	117.00	116.71	-5,431.68	3,312.60	7,290.88	7,121.62	169.26	43.075		
7,600.00	6,869.76	6,846.76	6,846.76	58.61	118.51	117.02	-5,431.68	3,312.60	7,315.97	7,144.44	171.53	42.651		
7,683.49	6,942.18	6,919.18	6,919.18	59.42	119.78	117.28	-5,431.68	3,312.60	7,337.11	7,163.69	173.42	42.308		
7,700.00	6,956.57	6,933.57	6,933.57	59.58	120.03	114.95	-5,431.68	3,312.60	7,341.08	7,167.28	173.79	42.240		
7,750.00	7,000.85	6,977.85	6,977.85	60.04	120.80	106.86	-5,431.68	3,312.60	7,350.34	7,175.40	174.94	42.017		
7,800.00	7,045.94	7,022.94	7,022.94	60.46	121.59	97.25	-5,431.68	3,312.60	7,355.38	7,179.29	176.09	41.771		
7,850.00	7,091.49	7,068.49	7,068.49	60.84	122.38	86.52	-5,431.68	3,312.60	7,356.16	7,178.92	177.24	41.505		
7,900.00	7,137.15	7,114.15	7,114.15	61.17	123.18	75.43	-5,431.68	3,312.60	7,352.67	7,174.31	178.37	41.222		
7,950.00	7,182.58	7,159.58	7,159.58	61.44	123.97	64.89	-5,431.68	3,312.60	7,344.94	7,165.47	179.47	40.925		
8,000.00	7,227.43	7,204.43	7,204.43	61.67	124.75	55.52	-5,431.68	3,312.60	7,333.01	7,152.47	180.54	40.616		
8,050.00	7,271.36	7,248.36	7,248.36	61.84	125.52	47.60	-5,431.68	3,312.60	7,316.97	7,135.40	181.57	40.298		
8,100.00	7,314.04	7,308.96	7,291.04	61.96	126.58	41.04	-5,431.68	3,312.60	7,296.94	7,114.08	182.86	39.904		
8,150.00	7,355.14	7,332.14	7,332.14	62.04	126.98	35.66	-5,431.68	3,312.60	7,273.06	7,089.58	183.47	39.641		
8,200.00	7,394.34	7,371.34	7,371.34	62.07	127.67	31.19	-5,431.68	3,312.60	7,245.50	7,061.16	184.34	39.305		
8,250.00	7,431.36	7,408.36	7,408.36	62.06	128.31	27.42	-5,431.68	3,312.60	7,214.47	7,029.33	185.14	38.968		
8,300.00	7,465.90	7,442.90	7,442.90	62.01	128.92	24.15	-5,431.68	3,312.60	7,180.19	6,994.32	185.87	38.630		
8,350.00	7,497.71	7,474.71	7,474.71	61.93	129.47	21.20	-5,431.68	3,312.60	7,142.92	6,956.39	186.53	38.293		
8,400.00	7,526.53	7,503.53	7,503.53	61.81	129.98	18.37	-5,431.68	3,312.60	7,102.94	6,915.83	187.12	37.960		
8,450.00	7,552.17	7,529.17	7,529.17	61.66	130.42	15.47	-5,431.68	3,312.60	7,060.55	6,872.92	187.62	37.632		
8,500.00	7,574.41	7,551.41	7,551.41	61.48	130.81	12.20	-5,431.68	3,312.60	7,016.05	6,828.00	188.05	37.310		
8,550.00	7,593.09	7,570.09	7,570.09	61.29	131.14	8.04	-5,431.68	3,312.60	6,969.80	6,781.40	188.39	36.996		
8,600.00	7,608.07	7,585.07	7,585.07	61.07	131.40	1.91	-5,431.68	3,312.60	6,922.13	6,733.47	188.66	36.692		
8,650.00	7,619.23	7,603.77	7,596.23	60.84	131.72	-8.84	-5,431.68	3,312.60	6,873.41	6,684.44	188.97	36.374		
8,700.00	7,626.48	7,603.48	7,603.48	60.60	131.72	-31.73	-5,431.68	3,312.60	6,824.01	6,635.07	188.93	36.119		
8,750.00	7,629.78	7,606.78	7,606.78	60.35	131.78	-75.57	-5,431.68	3,312.60	6,774.31	6,585.36	188.95	35.853		
8,766.45	7,630.00	7,607.00	7,607.00	60.27	131.78	-90.00	-5,431.68	3,312.60	6,757.96	6,569.02	188.94	35.768		
8,800.00	7,630.00	7,607.00	7,607.00	60.10	131.78	-90.00	-5,431.68	3,312.60	6,724.62	6,535.72	188.90	35.598		
8,900.00	7,630.00	7,607.00	7,607.00	59.61	131.78	-90.00	-5,431.68	3,312.60	6,625.28	6,436.48	188.80	35.092		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
9,000.00	7,630.00	7,607.00	7,607.00	59.15	131.78	-90.00	-5,431.68	3,312.60	6,525.96	6,337.26	188.70	34.585		
9,100.00	7,630.00	7,607.00	7,607.00	58.71	131.78	-90.00	-5,431.68	3,312.60	6,426.66	6,238.07	188.59	34.078		
9,200.00	7,630.00	7,607.00	7,607.00	58.30	131.78	-90.00	-5,431.68	3,312.60	6,327.38	6,138.90	188.48	33.571		
9,300.00	7,630.00	7,607.00	7,607.00	57.91	131.78	-90.00	-5,431.68	3,312.60	6,228.13	6,039.76	188.37	33.064		
9,400.00	7,630.00	7,607.00	7,607.00	57.54	131.78	-90.00	-5,431.68	3,312.60	6,128.90	5,940.64	188.25	32.557		
9,500.00	7,630.00	7,607.00	7,607.00	57.19	131.78	-90.00	-5,431.68	3,312.60	6,029.69	5,841.55	188.14	32.049		
9,600.00	7,630.00	7,607.00	7,607.00	56.87	131.78	-90.00	-5,431.68	3,312.60	5,930.51	5,742.50	188.02	31.542		
9,700.00	7,630.00	7,607.00	7,607.00	56.57	131.78	-90.00	-5,431.68	3,312.60	5,831.36	5,643.47	187.89	31.035		
9,800.00	7,630.00	7,607.00	7,607.00	56.30	131.78	-90.00	-5,431.68	3,312.60	5,732.24	5,544.47	187.77	30.528		
9,900.00	7,630.00	7,607.00	7,607.00	56.05	131.78	-90.00	-5,431.68	3,312.60	5,633.15	5,445.51	187.64	30.021		
10,000.00	7,630.00	7,607.00	7,607.00	55.82	131.78	-90.00	-5,431.68	3,312.60	5,534.10	5,346.59	187.51	29.514		
10,100.00	7,630.00	7,607.00	7,607.00	55.63	131.78	-90.00	-5,431.68	3,312.60	5,435.08	5,247.70	187.37	29.007		
10,200.00	7,630.00	7,607.00	7,607.00	55.46	131.78	-90.00	-5,431.68	3,312.60	5,336.09	5,148.86	187.23	28.500		
10,300.00	7,630.00	7,607.00	7,607.00	55.32	131.78	-90.00	-5,431.68	3,312.60	5,237.14	5,050.05	187.09	27.992		
10,400.00	7,630.00	7,607.00	7,607.00	55.22	131.78	-90.00	-5,431.68	3,312.60	5,138.24	4,951.29	186.94	27.485		
10,500.00	7,630.00	7,607.00	7,607.00	55.15	131.78	-90.00	-5,431.68	3,312.60	5,039.37	4,852.58	186.79	26.978		
10,600.00	7,630.00	7,607.00	7,607.00	55.14	131.78	-90.00	-5,431.68	3,312.60	4,940.56	4,753.92	186.64	26.471		
10,700.00	7,630.00	7,607.00	7,607.00	55.18	131.78	-90.00	-5,431.68	3,312.60	4,841.79	4,655.31	186.48	25.964		
10,800.00	7,630.00	7,607.00	7,607.00	55.28	131.78	-90.00	-5,431.68	3,312.60	4,743.07	4,556.76	186.31	25.457		
10,900.00	7,630.00	7,607.00	7,607.00	55.47	131.78	-90.00	-5,431.68	3,312.60	4,644.41	4,458.26	186.15	24.950		
11,000.00	7,630.00	7,607.00	7,607.00	55.74	131.78	-90.00	-5,431.68	3,312.60	4,545.81	4,359.84	185.97	24.444		
11,100.00	7,630.00	7,607.00	7,607.00	56.11	131.78	-90.00	-5,431.68	3,312.60	4,447.26	4,261.47	185.79	23.937		
11,200.00	7,630.00	7,607.00	7,607.00	56.60	131.78	-90.00	-5,431.68	3,312.60	4,348.79	4,163.18	185.61	23.430		
11,300.00	7,630.00	7,607.00	7,607.00	57.20	131.78	-90.00	-5,431.68	3,312.60	4,250.39	4,064.97	185.42	22.924		
11,400.00	7,630.00	7,607.00	7,607.00	57.91	131.78	-90.00	-5,431.68	3,312.60	4,152.06	3,966.84	185.22	22.417		
11,500.00	7,630.00	7,607.00	7,607.00	58.72	131.78	-90.00	-5,431.68	3,312.60	4,053.81	3,868.80	185.02	21.910		
11,600.00	7,630.00	7,607.00	7,607.00	59.63	131.78	-90.00	-5,431.68	3,312.60	3,955.66	3,770.85	184.81	21.404		
11,700.00	7,630.00	7,607.00	7,607.00	60.61	131.78	-90.00	-5,431.68	3,312.60	3,857.59	3,673.00	184.59	20.898		
11,800.00	7,630.00	7,607.00	7,607.00	61.67	131.78	-90.00	-5,431.68	3,312.60	3,759.63	3,575.26	184.37	20.391		
11,900.00	7,630.00	7,607.00	7,607.00	62.78	131.78	-90.00	-5,431.68	3,312.60	3,661.78	3,477.64	184.15	19.885		
12,000.00	7,630.00	7,607.00	7,607.00	63.95	131.78	-90.00	-5,431.68	3,312.60	3,564.05	3,380.14	183.91	19.379		
12,100.00	7,630.00	7,607.00	7,607.00	65.16	131.78	-90.00	-5,431.68	3,312.60	3,466.45	3,282.78	183.67	18.873		
12,200.00	7,630.00	7,607.00	7,607.00	66.41	131.78	-90.00	-5,431.68	3,312.60	3,368.99	3,185.56	183.43	18.367		
12,300.00	7,630.00	7,607.00	7,607.00	67.68	131.78	-90.00	-5,431.68	3,312.60	3,271.68	3,088.51	183.17	17.861		
12,400.00	7,630.00	7,607.00	7,607.00	68.99	131.78	-90.00	-5,431.68	3,312.60	3,174.54	2,991.63	182.92	17.355		
12,500.00	7,630.00	7,607.00	7,607.00	70.33	131.78	-90.00	-5,431.68	3,312.60	3,077.58	2,894.93	182.65	16.849		
12,600.00	7,630.00	7,607.00	7,607.00	71.68	131.78	-90.00	-5,431.68	3,312.60	2,980.83	2,798.44	182.39	16.343		
12,700.00	7,630.00	7,607.00	7,607.00	73.06	131.78	-90.00	-5,431.68	3,312.60	2,884.29	2,702.17	182.12	15.837		
12,800.00	7,630.00	7,607.00	7,607.00	74.45	131.78	-90.00	-5,431.68	3,312.60	2,788.00	2,606.15	181.85	15.331		
12,900.00	7,630.00	7,607.00	7,607.00	75.87	131.78	-90.00	-5,431.68	3,312.60	2,691.98	2,510.39	181.59	14.825		
13,000.00	7,630.00	7,607.00	7,607.00	77.29	131.78	-90.00	-5,431.68	3,312.60	2,596.26	2,414.93	181.33	14.318		
13,100.00	7,630.00	7,607.00	7,607.00	78.74	131.78	-90.00	-5,431.68	3,312.60	2,500.88	2,319.80	181.08	13.811		
13,200.00	7,630.00	7,607.00	7,607.00	80.19	131.78	-90.00	-5,431.68	3,312.60	2,405.87	2,225.02	180.85	13.303		
13,300.00	7,630.00	7,607.00	7,607.00	81.66	131.78	-90.00	-5,431.68	3,312.60	2,311.28	2,130.64	180.64	12.795		
13,400.00	7,630.00	7,607.00	7,607.00	83.14	131.78	-90.00	-5,431.68	3,312.60	2,217.17	2,036.71	180.46	12.286		
13,500.00	7,630.00	7,607.00	7,607.00	84.63	131.78	-90.00	-5,431.68	3,312.60	2,123.59	1,943.27	180.32	11.777		
13,600.00	7,630.00	7,607.00	7,607.00	86.14	131.78	-90.00	-5,431.68	3,312.60	2,030.63	1,850.38	180.25	11.266		
13,700.00	7,630.00	7,607.00	7,607.00	87.65	131.78	-90.00	-5,431.68	3,312.60	1,938.37	1,758.11	180.26	10.753		
13,800.00	7,630.00	7,607.00	7,607.00	89.17	131.78	-90.00	-5,431.68	3,312.60	1,846.91	1,666.53	180.38	10.239		
13,900.00	7,630.00	7,607.00	7,607.00	90.70	131.78	-90.00	-5,431.68	3,312.60	1,756.38	1,575.75	180.63	9.724		
14,000.00	7,630.00	7,607.00	7,607.00	92.24	131.78	-90.00	-5,431.68	3,312.60	1,666.94	1,485.87	181.07	9.206		
14,100.00	7,630.00	7,607.00	7,607.00	93.78	131.78	-90.00	-5,431.68	3,312.60	1,578.77	1,397.02	181.74	8.687		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<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 - 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	7,607.00	7,607.00	95.33	131.78	-90.00	-5,431.68	3,312.60	1,492.08	1,309.37	182.71	8.166		
14,300.00	7,630.00	7,607.00	7,607.00	96.89	131.78	-90.00	-5,431.68	3,312.60	1,407.17	1,223.12	184.05	7.645		
14,400.00	7,630.00	7,607.00	7,607.00	98.46	131.78	-90.00	-5,431.68	3,312.60	1,324.36	1,138.51	185.85	7.126		
14,500.00	7,630.00	7,607.00	7,607.00	100.03	131.78	-90.00	-5,431.68	3,312.60	1,244.09	1,055.87	188.21	6.610		
14,600.00	7,630.00	7,607.00	7,607.00	101.61	131.78	-90.00	-5,431.68	3,312.60	1,166.86	975.63	191.23	6.102		
14,700.00	7,630.00	7,607.00	7,607.00	103.20	131.78	-90.00	-5,431.68	3,312.60	1,093.33	898.33	195.00	5.607		
14,800.00	7,630.00	7,607.00	7,607.00	104.78	131.78	-90.00	-5,431.68	3,312.60	1,024.30	824.69	199.60	5.132		
14,900.00	7,630.00	7,607.00	7,607.00	106.38	131.78	-90.00	-5,431.68	3,312.60	960.73	755.65	205.07	4.685		
15,000.00	7,630.00	7,607.00	7,607.00	107.98	131.78	-90.00	-5,431.68	3,312.60	903.77	692.41	211.36	4.276		
15,100.00	7,630.00	7,607.00	7,607.00	109.58	131.78	-90.00	-5,431.68	3,312.60	854.76	636.45	218.31	3.915		
15,200.00	7,630.00	7,607.00	7,607.00	111.19	131.78	-90.00	-5,431.68	3,312.60	815.13	589.50	225.63	3.613		
15,300.00	7,630.00	7,607.00	7,607.00	112.81	131.78	-90.00	-5,431.68	3,312.60	786.28	553.42	232.86	3.377		
15,400.00	7,630.00	7,607.00	7,607.00	114.42	131.78	-90.00	-5,431.68	3,312.60	769.45	529.98	239.47	3.213		
15,480.94	7,630.00	7,607.00	7,607.00	115.74	131.78	-90.00	-5,431.68	3,312.60	765.18	521.20	243.98	3.136 CC		
15,500.00	7,630.00	7,607.00	7,607.00	116.05	131.78	-90.00	-5,431.68	3,312.60	765.42	520.51	244.91	3.125 ES		
15,600.00	7,630.00	7,607.00	7,607.00	117.67	131.78	-90.00	-5,431.68	3,312.60	774.39	525.57	248.82	3.112 SF		
15,700.00	7,630.00	7,607.00	7,607.00	119.30	131.78	-90.00	-5,431.68	3,312.60	795.92	544.85	251.07	3.170		
15,800.00	7,630.00	7,607.00	7,607.00	120.93	131.78	-90.00	-5,431.68	3,312.60	829.03	577.24	251.80	3.292		
15,900.00	7,630.00	7,607.00	7,607.00	122.57	131.78	-90.00	-5,431.68	3,312.60	872.42	621.13	251.28	3.472		
16,000.00	7,630.00	7,607.00	7,607.00	124.21	131.78	-90.00	-5,431.68	3,312.60	924.62	674.74	249.88	3.700		
16,100.00	7,630.00	7,607.00	7,607.00	125.85	131.78	-90.00	-5,431.68	3,312.60	984.24	736.34	247.90	3.970		
16,200.00	7,630.00	7,607.00	7,607.00	127.50	131.78	-90.00	-5,431.68	3,312.60	1,050.02	804.40	245.62	4.275		
16,300.00	7,630.00	7,607.00	7,607.00	129.15	131.78	-90.00	-5,431.68	3,312.60	1,120.87	877.67	243.20	4.609		
16,400.00	7,630.00	7,607.00	7,607.00	130.80	131.78	-90.00	-5,431.68	3,312.60	1,195.90	955.11	240.78	4.967		
16,500.00	7,630.00	7,607.00	7,607.00	132.46	131.78	-90.00	-5,431.68	3,312.60	1,274.35	1,035.92	238.44	5.345		
16,600.00	7,630.00	7,607.00	7,607.00	134.11	131.78	-90.00	-5,431.68	3,312.60	1,355.65	1,119.44	236.21	5.739		
16,700.00	7,630.00	7,607.00	7,607.00	135.77	131.78	-90.00	-5,431.68	3,312.60	1,439.31	1,205.19	234.11	6.148		
16,800.00	7,630.00	7,607.00	7,607.00	137.43	131.78	-90.00	-5,431.68	3,312.60	1,524.93	1,292.76	232.17	6.568		
16,900.00	7,630.00	7,607.00	7,607.00	139.10	131.78	-90.00	-5,431.68	3,312.60	1,612.21	1,381.85	230.36	6.999		
17,000.00	7,630.00	7,607.00	7,607.00	140.77	131.78	-90.00	-5,431.68	3,312.60	1,700.89	1,472.19	228.70	7.437		
17,100.00	7,630.00	7,607.00	7,607.00	142.44	131.78	-90.00	-5,431.68	3,312.60	1,790.77	1,563.60	227.16	7.883		
17,200.00	7,630.00	7,607.00	7,607.00	144.11	131.78	-90.00	-5,431.68	3,312.60	1,881.66	1,655.91	225.75	8.335		
17,300.00	7,630.00	7,607.00	7,607.00	145.78	131.78	-90.00	-5,431.68	3,312.60	1,973.44	1,748.99	224.45	8.792		
17,400.00	7,630.00	7,607.00	7,607.00	147.46	131.78	-90.00	-5,431.68	3,312.60	2,065.98	1,842.74	223.24	9.254		
17,500.00	7,630.00	7,607.00	7,607.00	149.13	131.78	-90.00	-5,431.68	3,312.60	2,159.19	1,937.05	222.13	9.720		
17,600.00	7,630.00	7,607.00	7,607.00	150.81	131.78	-90.00	-5,431.68	3,312.60	2,252.98	2,031.87	221.11	10.190		
17,700.00	7,630.00	7,607.00	7,607.00	152.49	131.78	-90.00	-5,431.68	3,312.60	2,347.28	2,127.12	220.16	10.662		
17,800.00	7,630.00	7,607.00	7,607.00	154.18	131.78	-90.00	-5,431.68	3,312.60	2,442.03	2,222.76	219.27	11.137		
17,900.00	7,630.00	7,607.00	7,607.00	155.86	131.78	-90.00	-5,431.68	3,312.60	2,537.19	2,318.73	218.46	11.614		
18,000.00	7,630.00	7,607.00	7,607.00	157.55	131.78	-90.00	-5,431.68	3,312.60	2,632.71	2,415.01	217.69	12.094		
18,100.00	7,630.00	7,607.00	7,607.00	159.24	131.78	-90.00	-5,431.68	3,312.60	2,728.55	2,511.56	216.99	12.575		
18,200.00	7,630.00	7,607.00	7,607.00	160.92	131.78	-90.00	-5,431.68	3,312.60	2,824.67	2,608.35	216.33	13.058		
18,300.00	7,630.00	7,607.00	7,607.00	162.62	131.78	-90.00	-5,431.68	3,312.60	2,921.06	2,705.35	215.71	13.542		
18,400.00	7,630.00	7,607.00	7,607.00	164.31	131.78	-90.00	-5,431.68	3,312.60	3,017.68	2,802.55	215.13	14.027		
18,458.39	7,630.00	7,607.00	7,607.00	165.30	131.78	-90.00	-5,431.68	3,312.60	3,074.20	2,859.39	214.81	14.311		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	134.11	-5,559.47	5,734.06	7,986.78					
100.00	100.00	60.00	60.00	0.13	0.50	134.11	-5,559.47	5,734.06	7,986.68	7,986.05	0.63	N/A		
200.00	200.00	160.00	160.00	0.49	1.88	134.11	-5,559.47	5,734.06	7,986.68	7,984.31	2.37	3,371.147		
300.00	300.00	260.00	260.00	0.85	3.62	134.11	-5,559.47	5,734.06	7,986.68	7,982.21	4.47	1,785.559		
400.00	400.00	360.00	360.00	1.21	5.37	134.11	-5,559.47	5,734.06	7,986.68	7,980.10	6.58	1,214.385		
500.00	500.00	460.00	460.00	1.57	7.11	134.11	-5,559.47	5,734.06	7,986.68	7,978.00	8.68	920.068		
600.00	600.00	560.00	560.00	1.93	8.86	134.11	-5,559.47	5,734.06	7,986.68	7,975.90	10.78	740.582		
700.00	700.00	660.00	660.00	2.29	10.60	134.11	-5,559.47	5,734.06	7,986.68	7,973.79	12.89	619.693		
800.00	800.00	760.00	760.00	2.64	12.35	134.11	-5,559.47	5,734.06	7,986.68	7,971.69	14.99	532.732		
900.00	900.00	860.00	860.00	3.00	14.09	134.11	-5,559.47	5,734.06	7,986.68	7,969.59	17.10	467.174		
1,000.00	1,000.00	960.00	960.00	3.36	15.84	134.11	-5,559.47	5,734.06	7,986.68	7,967.48	19.20	415.983		
1,100.00	1,100.00	1,060.00	1,060.00	3.72	17.58	134.11	-5,559.47	5,734.06	7,986.68	7,965.38	21.30	374.903		
1,200.00	1,199.98	1,159.98	1,159.98	4.07	19.33	83.06	-5,559.47	5,734.06	7,986.47	7,963.07	23.40	341.252		
1,300.00	1,299.84	1,259.84	1,259.84	4.43	21.07	83.11	-5,559.47	5,734.06	7,985.84	7,960.34	25.50	313.174		
1,400.00	1,399.45	1,359.45	1,359.45	4.79	22.81	83.20	-5,559.47	5,734.06	7,984.80	7,957.20	27.60	289.348		
1,500.00	1,498.70	1,458.70	1,458.70	5.15	24.54	83.31	-5,559.47	5,734.06	7,983.35	7,953.66	29.69	268.862		
1,600.00	1,597.47	1,557.47	1,557.47	5.53	26.27	83.46	-5,559.47	5,734.06	7,981.53	7,949.73	31.79	251.038		
1,700.00	1,695.62	1,655.62	1,655.62	5.93	27.98	83.63	-5,559.47	5,734.06	7,979.34	7,945.44	33.90	235.368		
1,800.00	1,793.06	1,753.06	1,753.06	6.35	29.68	83.84	-5,559.47	5,734.06	7,976.83	7,940.81	36.02	221.462		
1,900.00	1,889.64	1,849.64	1,849.64	6.79	31.37	84.07	-5,559.47	5,734.06	7,974.01	7,935.86	38.15	209.018		
2,000.00	1,985.27	1,945.27	1,945.27	7.27	33.04	84.34	-5,559.47	5,734.06	7,970.92	7,930.62	40.30	197.801		
2,100.00	2,079.82	2,039.82	2,039.82	7.79	34.69	84.62	-5,559.47	5,734.06	7,967.61	7,925.14	42.47	187.624		
2,200.00	2,173.17	2,133.17	2,133.17	8.36	36.31	84.93	-5,559.47	5,734.06	7,964.12	7,919.46	44.66	178.338		
2,300.00	2,265.21	2,225.21	2,225.21	8.97	37.92	85.26	-5,559.47	5,734.06	7,960.49	7,913.62	46.88	169.823		
2,400.00	2,355.84	2,315.84	2,315.84	9.64	39.50	85.61	-5,559.47	5,734.06	7,956.79	7,907.66	49.12	161.981		
2,500.00	2,444.94	2,404.94	2,404.94	10.36	41.06	85.98	-5,559.47	5,734.06	7,953.05	7,901.65	51.40	154.734		
2,591.69	2,525.19	2,485.19	2,485.19	11.07	42.46	86.32	-5,559.47	5,734.06	7,949.65	7,896.14	53.51	148.556		
2,600.00	2,532.40	2,507.60	2,492.40	11.14	42.85	86.35	-5,559.47	5,734.06	7,949.35	7,895.38	53.97	147.290		
2,700.00	2,619.15	2,579.15	2,579.15	11.96	44.10	86.66	-5,559.47	5,734.06	7,945.85	7,889.81	56.04	141.783		
2,800.00	2,705.89	2,665.89	2,665.89	12.81	45.61	86.97	-5,559.47	5,734.06	7,942.67	7,884.27	58.40	135.999		
2,900.00	2,792.64	2,752.64	2,752.64	13.67	47.13	87.28	-5,559.47	5,734.06	7,939.80	7,879.01	60.78	130.630		
3,000.00	2,879.39	2,839.39	2,839.39	14.55	48.64	87.59	-5,559.47	5,734.06	7,937.23	7,874.06	63.17	125.639		
3,100.00	2,966.14	2,926.14	2,926.14	15.44	50.15	87.90	-5,559.47	5,734.06	7,934.98	7,869.40	65.58	120.994		
3,200.00	3,052.88	3,012.88	3,012.88	16.34	51.67	88.22	-5,559.47	5,734.06	7,933.04	7,865.04	68.00	116.664		
3,300.00	3,139.63	3,100.37	3,099.63	17.25	53.20	88.53	-5,559.47	5,734.06	7,931.41	7,860.97	70.44	112.601		
3,400.00	3,226.38	3,186.38	3,186.38	18.17	54.70	88.84	-5,559.47	5,734.06	7,930.09	7,857.23	72.86	108.842		
3,500.00	3,313.12	3,273.12	3,273.12	19.09	56.21	89.15	-5,559.47	5,734.06	7,929.09	7,853.79	75.30	105.302		
3,600.00	3,399.87	3,359.87	3,359.87	20.02	57.72	89.46	-5,559.47	5,734.06	7,928.39	7,850.65	77.74	101.981		
3,700.00	3,486.62	3,446.62	3,446.62	20.96	59.24	89.77	-5,559.47	5,734.06	7,928.01	7,847.82	80.19	98.861		
3,772.20	3,549.25	3,509.25	3,509.25	21.64	60.33	90.00	-5,559.47	5,734.06	7,927.93	7,845.96	81.97	96.723		
3,800.00	3,573.37	3,533.37	3,533.37	21.90	60.75	90.09	-5,559.47	5,734.06	7,927.94	7,845.29	82.65	95.925		
3,900.00	3,660.11	3,620.11	3,620.11	22.84	62.27	90.40	-5,559.47	5,734.06	7,928.19	7,843.08	85.10	93.158		
4,000.00	3,746.86	3,706.86	3,706.86	23.78	63.78	90.71	-5,559.47	5,734.06	7,928.74	7,841.18	87.56	90.548		
4,100.00	3,833.61	3,806.39	3,793.61	24.73	65.52	91.02	-5,559.47	5,734.06	7,929.61	7,839.36	90.25	87.864		
4,200.00	3,920.35	3,880.35	3,880.35	25.68	66.81	91.33	-5,559.47	5,734.06	7,930.79	7,838.30	92.49	85.748		
4,300.00	4,007.10	3,967.10	3,967.10	26.63	68.32	91.65	-5,559.47	5,734.06	7,932.28	7,837.32	94.95	83.538		
4,400.00	4,093.85	4,053.85	4,053.85	27.59	69.84	91.96	-5,559.47	5,734.06	7,934.08	7,836.66	97.42	81.442		
4,500.00	4,180.60	4,140.60	4,140.60	28.55	71.35	92.27	-5,559.47	5,734.06	7,936.19	7,836.31	99.89	79.452		
4,600.00	4,267.34	4,227.34	4,227.34	29.50	72.86	92.58	-5,559.47	5,734.06	7,938.62	7,836.27	102.35	77.560		
4,700.00	4,354.09	4,314.09	4,314.09	30.46	74.38	92.89	-5,559.47	5,734.06	7,941.36	7,836.53	104.82	75.761		
4,800.00	4,440.84	4,400.84	4,400.84	31.42	75.89	93.20	-5,559.47	5,734.06	7,944.40	7,837.11	107.29	74.046		
4,900.00	4,527.58	4,487.58	4,487.58	32.39	77.41	93.51	-5,559.47	5,734.06	7,947.76	7,838.00	109.76	72.412		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
5,000.00	4,614.33	4,574.33	4,574.33	33.35	78.92	93.82	-5,559.47	5,734.06	7,951.43	7,839.20	112.22	70.853		
5,100.00	4,701.08	4,661.08	4,661.08	34.31	80.43	94.13	-5,559.47	5,734.06	7,955.40	7,840.71	114.69	69.364		
5,200.00	4,787.82	4,747.82	4,747.82	35.28	81.95	94.44	-5,559.47	5,734.06	7,959.69	7,842.53	117.16	67.940		
5,300.00	4,874.57	4,834.57	4,834.57	36.25	83.46	94.75	-5,559.47	5,734.06	7,964.28	7,844.66	119.62	66.578		
5,400.00	4,961.32	4,921.32	4,921.32	37.21	84.98	95.06	-5,559.47	5,734.06	7,969.18	7,847.10	122.09	65.275		
5,500.00	5,048.07	5,008.07	5,008.07	38.18	86.49	95.37	-5,559.47	5,734.06	7,974.39	7,849.84	124.55	64.026		
5,600.00	5,134.81	5,105.19	5,094.81	39.15	88.19	95.68	-5,559.47	5,734.06	7,979.91	7,852.71	127.19	62.739		
5,700.00	5,221.56	5,181.56	5,181.56	40.12	89.52	95.99	-5,559.47	5,734.06	7,985.73	7,856.26	129.47	61.679		
5,800.00	5,308.31	5,268.31	5,268.31	41.09	91.03	96.30	-5,559.47	5,734.06	7,991.86	7,859.93	131.93	60.576		
5,900.00	5,395.05	5,355.05	5,355.05	42.06	92.55	96.61	-5,559.47	5,734.06	7,998.29	7,863.90	134.39	59.516		
6,000.00	5,481.80	5,425.00	5,425.00	43.03	93.77	96.85	-5,559.47	5,734.06	8,005.04	7,868.49	136.55	58.624		
6,100.00	5,568.55	5,425.00	5,425.00	44.00	93.77	96.85	-5,559.47	5,734.06	8,012.73	7,875.26	137.47	58.288		
6,200.00	5,655.30	5,425.00	5,425.00	44.97	93.77	96.85	-5,559.47	5,734.06	8,021.66	7,883.29	138.37	57.973		
6,300.00	5,742.04	5,425.00	5,425.00	45.94	93.77	96.85	-5,559.47	5,734.06	8,031.83	7,892.58	139.25	57.679		
6,400.00	5,828.79	5,425.00	5,425.00	46.92	93.77	96.85	-5,559.47	5,734.06	8,043.22	7,903.11	140.11	57.405		
6,500.00	5,915.54	5,425.00	5,425.00	47.89	93.77	96.85	-5,559.47	5,734.06	8,055.85	7,914.89	140.96	57.150		
6,600.00	6,002.28	5,425.00	5,425.00	48.86	93.77	96.85	-5,559.47	5,734.06	8,069.69	7,927.90	141.78	56.916		
6,700.00	6,089.03	5,425.00	5,425.00	49.83	93.77	96.85	-5,559.47	5,734.06	8,084.74	7,942.15	142.59	56.700		
6,800.00	6,175.78	5,425.00	5,425.00	50.81	93.77	96.85	-5,559.47	5,734.06	8,101.00	7,957.63	143.37	56.503		
6,900.00	6,262.53	5,425.00	5,425.00	51.78	93.77	96.85	-5,559.47	5,734.06	8,118.46	7,974.32	144.14	56.324		
7,000.00	6,349.27	5,425.00	5,425.00	52.76	93.77	96.85	-5,559.47	5,734.06	8,137.11	7,992.23	144.88	56.163		
7,100.00	6,436.02	5,425.00	5,425.00	53.73	93.77	96.85	-5,559.47	5,734.06	8,156.95	8,011.34	145.61	56.020		
7,200.00	6,522.77	5,425.00	5,425.00	54.71	93.77	96.85	-5,559.47	5,734.06	8,177.96	8,031.64	146.31	55.893		
7,300.00	6,609.51	5,425.00	5,425.00	55.68	93.77	96.85	-5,559.47	5,734.06	8,200.13	8,053.13	147.00	55.784		
7,400.00	6,696.26	5,425.00	5,425.00	56.66	93.77	96.85	-5,559.47	5,734.06	8,223.46	8,075.80	147.66	55.690		
7,500.00	6,783.01	5,425.00	5,425.00	57.63	93.77	96.85	-5,559.47	5,734.06	8,247.94	8,099.63	148.31	55.613		
7,600.00	6,869.76	5,425.00	5,425.00	58.61	93.77	96.85	-5,559.47	5,734.06	8,273.56	8,124.62	148.93	55.552		
7,683.49	6,942.18	5,425.00	5,425.00	59.42	93.77	96.85	-5,559.47	5,734.06	8,295.80	8,146.36	149.44	55.512		
7,700.00	6,956.57	5,425.00	5,425.00	59.58	93.77	94.63	-5,559.47	5,734.06	8,300.09	8,150.55	149.54	55.505		
7,750.00	7,000.85	5,425.00	5,425.00	60.04	93.77	86.77	-5,559.47	5,734.06	8,310.78	8,160.97	149.81	55.474		
7,800.00	7,045.94	5,425.00	5,425.00	60.46	93.77	77.28	-5,559.47	5,734.06	8,317.96	8,167.91	150.06	55.432		
7,850.00	7,091.49	5,425.00	5,425.00	60.84	93.77	66.56	-5,559.47	5,734.06	8,321.59	8,171.32	150.27	55.379		
7,900.00	7,137.15	5,425.00	5,425.00	61.17	93.77	55.38	-5,559.47	5,734.06	8,321.63	8,171.20	150.43	55.318		
7,950.00	7,182.58	5,425.00	5,425.00	61.44	93.77	44.62	-5,559.47	5,734.06	8,318.10	8,167.54	150.56	55.249		
8,000.00	7,227.43	5,425.00	5,425.00	61.67	93.77	34.94	-5,559.47	5,734.06	8,311.01	8,160.37	150.64	55.172		
8,050.00	7,271.36	5,425.00	5,425.00	61.84	93.77	26.58	-5,559.47	5,734.06	8,300.41	8,149.73	150.67	55.088		
8,100.00	7,314.04	5,425.00	5,425.00	61.96	93.77	19.47	-5,559.47	5,734.06	8,286.36	8,135.69	150.67	54.997		
8,150.00	7,355.14	5,425.00	5,425.00	62.04	93.77	13.40	-5,559.47	5,734.06	8,268.96	8,118.33	150.63	54.897		
8,200.00	7,394.34	5,425.00	5,425.00	62.07	93.77	8.10	-5,559.47	5,734.06	8,248.32	8,097.77	150.55	54.789		
8,250.00	7,431.36	5,425.00	5,425.00	62.06	93.77	3.35	-5,559.47	5,734.06	8,224.56	8,074.13	150.43	54.674		
8,300.00	7,465.90	5,425.00	5,425.00	62.01	93.77	-1.08	-5,559.47	5,734.06	8,197.85	8,047.57	150.28	54.549		
8,350.00	7,497.71	5,425.00	5,425.00	61.93	93.77	-5.35	-5,559.47	5,734.06	8,168.37	8,018.26	150.11	54.417		
8,400.00	7,526.53	5,425.00	5,425.00	61.81	93.77	-9.65	-5,559.47	5,734.06	8,136.29	7,986.39	149.91	54.276		
8,450.00	7,552.17	5,425.00	5,425.00	61.66	93.77	-14.14	-5,559.47	5,734.06	8,101.85	7,952.17	149.68	54.126		
8,500.00	7,574.41	5,425.00	5,425.00	61.48	93.77	-18.97	-5,559.47	5,734.06	8,065.27	7,915.83	149.44	53.969		
8,550.00	7,593.09	5,425.00	5,425.00	61.29	93.77	-24.30	-5,559.47	5,734.06	8,026.81	7,877.62	149.19	53.803		
8,600.00	7,608.07	5,425.00	5,425.00	61.07	93.77	-30.29	-5,559.47	5,734.06	7,986.73	7,837.81	148.92	53.629		
8,650.00	7,619.23	5,425.00	5,425.00	60.84	93.77	-37.06	-5,559.47	5,734.06	7,945.32	7,796.66	148.65	53.448		
8,700.00	7,626.48	5,425.00	5,425.00	60.60	93.77	-44.65	-5,559.47	5,734.06	7,902.86	7,754.48	148.38	53.260		
8,750.00	7,629.78	5,425.00	5,425.00	60.35	93.77	-52.96	-5,559.47	5,734.06	7,859.69	7,711.57	148.11	53.066		
8,766.45	7,630.00	5,425.00	5,425.00	60.27	93.77	-55.81	-5,559.47	5,734.06	7,845.38	7,697.36	148.02	53.001		
8,800.00	7,630.00	5,425.00	5,425.00	60.10	93.77	-55.81	-5,559.47	5,734.06	7,816.17	7,668.32	147.84	52.868		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
8,900.00	7,630.00	5,425.00	5,425.00	59.61	93.77	-55.81	-5,559.47	5,734.06	7,729.32	7,582.01	147.30	52.472		
9,000.00	7,630.00	5,425.00	5,425.00	59.15	93.77	-55.81	-5,559.47	5,734.06	7,642.79	7,496.03	146.76	52.077		
9,100.00	7,630.00	5,425.00	5,425.00	58.71	93.77	-55.81	-5,559.47	5,734.06	7,556.59	7,410.38	146.21	51.683		
9,200.00	7,630.00	5,425.00	5,425.00	58.30	93.77	-55.81	-5,559.47	5,734.06	7,470.74	7,325.08	145.66	51.290		
9,300.00	7,630.00	5,425.00	5,425.00	57.91	93.77	-55.81	-5,559.47	5,734.06	7,385.25	7,240.14	145.10	50.897		
9,400.00	7,630.00	5,425.00	5,425.00	57.54	93.77	-55.81	-5,559.47	5,734.06	7,300.12	7,155.57	144.55	50.504		
9,500.00	7,630.00	5,425.00	5,425.00	57.19	93.77	-55.81	-5,559.47	5,734.06	7,215.38	7,071.39	143.99	50.111		
9,600.00	7,630.00	5,425.00	5,425.00	56.87	93.77	-55.81	-5,559.47	5,734.06	7,131.03	6,987.60	143.43	49.719		
9,700.00	7,630.00	5,425.00	5,425.00	56.57	93.77	-55.81	-5,559.47	5,734.06	7,047.08	6,904.22	142.87	49.326		
9,800.00	7,630.00	5,425.00	5,425.00	56.30	93.77	-55.81	-5,559.47	5,734.06	6,963.57	6,821.26	142.31	48.932		
9,900.00	7,630.00	5,425.00	5,425.00	56.05	93.77	-55.81	-5,559.47	5,734.06	6,880.49	6,738.74	141.76	48.538		
10,000.00	7,630.00	5,425.00	5,425.00	55.82	93.77	-55.81	-5,559.47	5,734.06	6,797.87	6,656.67	141.20	48.142		
10,100.00	7,630.00	5,425.00	5,425.00	55.63	93.77	-55.81	-5,559.47	5,734.06	6,715.72	6,575.07	140.66	47.745		
10,200.00	7,630.00	5,425.00	5,425.00	55.46	93.77	-55.81	-5,559.47	5,734.06	6,634.07	6,493.95	140.12	47.347		
10,300.00	7,630.00	5,425.00	5,425.00	55.32	93.77	-55.81	-5,559.47	5,734.06	6,552.92	6,413.33	139.59	46.945		
10,400.00	7,630.00	5,425.00	5,425.00	55.22	93.77	-55.81	-5,559.47	5,734.06	6,472.29	6,333.23	139.07	46.541		
10,500.00	7,630.00	5,425.00	5,425.00	55.15	93.77	-55.81	-5,559.47	5,734.06	6,392.22	6,253.66	138.56	46.134		
10,600.00	7,630.00	5,425.00	5,425.00	55.14	93.77	-55.81	-5,559.47	5,734.06	6,312.71	6,174.65	138.07	45.723		
10,700.00	7,630.00	5,425.00	5,425.00	55.18	93.77	-55.81	-5,559.47	5,734.06	6,233.80	6,096.21	137.59	45.307		
10,800.00	7,630.00	5,425.00	5,425.00	55.28	93.77	-55.81	-5,559.47	5,734.06	6,155.50	6,018.36	137.14	44.886		
10,900.00	7,630.00	5,425.00	5,425.00	55.47	93.77	-55.81	-5,559.47	5,734.06	6,077.83	5,941.12	136.71	44.459		
11,000.00	7,630.00	5,425.00	5,425.00	55.74	93.77	-55.81	-5,559.47	5,734.06	6,000.82	5,864.52	136.30	44.026		
11,100.00	7,630.00	5,425.00	5,425.00	56.11	93.77	-55.81	-5,559.47	5,734.06	5,924.51	5,788.58	135.93	43.586		
11,200.00	7,630.00	5,425.00	5,425.00	56.60	93.77	-55.81	-5,559.47	5,734.06	5,848.90	5,713.32	135.58	43.138		
11,300.00	7,630.00	5,425.00	5,425.00	57.20	93.77	-55.81	-5,559.47	5,734.06	5,774.04	5,638.76	135.28	42.682		
11,400.00	7,630.00	5,425.00	5,425.00	57.91	93.77	-55.81	-5,559.47	5,734.06	5,699.95	5,564.93	135.02	42.216		
11,500.00	7,630.00	5,425.00	5,425.00	58.72	93.77	-55.81	-5,559.47	5,734.06	5,626.66	5,491.86	134.80	41.741		
11,600.00	7,630.00	5,425.00	5,425.00	59.63	93.77	-55.81	-5,559.47	5,734.06	5,554.21	5,419.57	134.63	41.255		
11,700.00	7,630.00	5,425.00	5,425.00	60.61	93.77	-55.81	-5,559.47	5,734.06	5,482.62	5,348.10	134.52	40.758		
11,800.00	7,630.00	5,425.00	5,425.00	61.67	93.77	-55.81	-5,559.47	5,734.06	5,411.93	5,277.47	134.46	40.249		
11,900.00	7,630.00	5,425.00	5,425.00	62.78	93.77	-55.81	-5,559.47	5,734.06	5,342.18	5,207.71	134.46	39.729		
12,000.00	7,630.00	5,425.00	5,425.00	63.95	93.77	-55.81	-5,559.47	5,734.06	5,273.40	5,138.86	134.54	39.197		
12,100.00	7,630.00	5,425.00	5,425.00	65.16	93.77	-55.81	-5,559.47	5,734.06	5,205.63	5,070.96	134.68	38.653		
12,200.00	7,630.00	5,425.00	5,425.00	66.41	93.77	-55.81	-5,559.47	5,734.06	5,138.92	5,004.03	134.89	38.097		
12,300.00	7,630.00	5,425.00	5,425.00	67.68	93.77	-55.81	-5,559.47	5,734.06	5,073.30	4,938.12	135.18	37.529		
12,400.00	7,630.00	5,425.00	5,425.00	68.99	93.77	-55.81	-5,559.47	5,734.06	5,008.82	4,873.26	135.56	36.950		
12,500.00	7,630.00	5,425.00	5,425.00	70.33	93.77	-55.81	-5,559.47	5,734.06	4,945.52	4,809.51	136.01	36.361		
12,600.00	7,630.00	5,425.00	5,425.00	71.68	93.77	-55.81	-5,559.47	5,734.06	4,883.45	4,746.89	136.55	35.762		
12,700.00	7,630.00	5,425.00	5,425.00	73.06	93.77	-55.81	-5,559.47	5,734.06	4,822.65	4,685.47	137.18	35.155		
12,800.00	7,630.00	5,425.00	5,425.00	74.45	93.77	-55.81	-5,559.47	5,734.06	4,763.17	4,625.27	137.90	34.541		
12,900.00	7,630.00	5,425.00	5,425.00	75.87	93.77	-55.81	-5,559.47	5,734.06	4,705.07	4,566.36	138.71	33.921		
13,000.00	7,630.00	5,425.00	5,425.00	77.29	93.77	-55.81	-5,559.47	5,734.06	4,648.40	4,508.79	139.60	33.297		
13,100.00	7,630.00	5,425.00	5,425.00	78.74	93.77	-55.81	-5,559.47	5,734.06	4,593.20	4,452.60	140.59	32.670		
13,200.00	7,630.00	5,425.00	5,425.00	80.19	93.77	-55.81	-5,559.47	5,734.06	4,539.53	4,397.86	141.67	32.043		
13,300.00	7,630.00	5,425.00	5,425.00	81.66	93.77	-55.81	-5,559.47	5,734.06	4,487.45	4,344.61	142.84	31.416		
13,400.00	7,630.00	5,425.00	5,425.00	83.14	93.77	-55.81	-5,559.47	5,734.06	4,437.02	4,292.92	144.09	30.792		
13,500.00	7,630.00	5,425.00	5,425.00	84.63	93.77	-55.81	-5,559.47	5,734.06	4,388.28	4,242.84	145.44	30.173		
13,600.00	7,630.00	5,425.00	5,425.00	86.14	93.77	-55.81	-5,559.47	5,734.06	4,341.30	4,194.44	146.86	29.561		
13,700.00	7,630.00	5,425.00	5,425.00	87.65	93.77	-55.81	-5,559.47	5,734.06	4,296.13	4,147.77	148.37	28.956		
13,800.00	7,630.00	5,425.00	5,425.00	89.17	93.77	-55.81	-5,559.47	5,734.06	4,252.84	4,102.89	149.95	28.362		
13,900.00	7,630.00	5,425.00	5,425.00	90.70	93.77	-55.81	-5,559.47	5,734.06	4,211.48	4,059.87	151.61	27.779		
14,000.00	7,630.00	5,425.00	5,425.00	92.24	93.77	-55.81	-5,559.47	5,734.06	4,172.10	4,018.76	153.34	27.209		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
14,100.00	7,630.00	5,425.00	5,425.00	93.78	93.77	-55.81	-5,559.47	5,734.06	4,134.77	3,979.64	155.13	26.653		
14,200.00	7,630.00	5,425.00	5,425.00	95.33	93.77	-55.81	-5,559.47	5,734.06	4,099.53	3,942.55	156.99	26.113		
14,300.00	7,630.00	5,425.00	5,425.00	96.89	93.77	-55.81	-5,559.47	5,734.06	4,066.46	3,907.55	158.90	25.591		
14,400.00	7,630.00	5,425.00	5,425.00	98.46	93.77	-55.81	-5,559.47	5,734.06	4,035.59	3,874.71	160.87	25.086		
14,500.00	7,630.00	5,425.00	5,425.00	100.03	93.77	-55.81	-5,559.47	5,734.06	4,006.97	3,844.09	162.89	24.600		
14,600.00	7,630.00	5,425.00	5,425.00	101.61	93.77	-55.81	-5,559.47	5,734.06	3,980.67	3,815.72	164.94	24.133		
14,700.00	7,630.00	5,425.00	5,425.00	103.20	93.77	-55.81	-5,559.47	5,734.06	3,956.72	3,789.68	167.04	23.687		
14,800.00	7,630.00	5,425.00	5,425.00	104.78	93.77	-55.81	-5,559.47	5,734.06	3,935.16	3,766.00	169.16	23.263		
14,900.00	7,630.00	5,425.00	5,425.00	106.38	93.77	-55.81	-5,559.47	5,734.06	3,916.04	3,744.73	171.31	22.859		
15,000.00	7,630.00	5,425.00	5,425.00	107.98	93.77	-55.81	-5,559.47	5,734.06	3,899.39	3,725.91	173.48	22.478		
15,100.00	7,630.00	5,425.00	5,425.00	109.58	93.77	-55.81	-5,559.47	5,734.06	3,885.25	3,709.59	175.66	22.119		
15,200.00	7,630.00	5,425.00	5,425.00	111.19	93.77	-55.81	-5,559.47	5,734.06	3,873.63	3,695.79	177.84	21.782		
15,300.00	7,630.00	5,425.00	5,425.00	112.81	93.77	-55.81	-5,559.47	5,734.06	3,864.57	3,684.55	180.02	21.467		
15,400.00	7,630.00	5,425.00	5,425.00	114.42	93.77	-55.81	-5,559.47	5,734.06	3,858.08	3,675.88	182.20	21.175		
15,500.00	7,630.00	5,425.00	5,425.00	116.05	93.77	-55.81	-5,559.47	5,734.06	3,854.18	3,669.81	184.37	20.905		
15,600.00	7,630.00	5,425.00	5,425.00	117.67	93.77	-55.81	-5,559.47	5,734.06	3,852.86	3,666.35	186.51	20.658		
15,600.58	7,630.00	5,425.00	5,425.00	117.68	93.77	-55.81	-5,559.47	5,734.06	3,852.86	3,666.34	186.52	20.656 CC		
15,700.00	7,630.00	5,425.00	5,425.00	119.30	93.77	-55.81	-5,559.47	5,734.06	3,854.15	3,665.52	188.63	20.432 ES		
15,800.00	7,630.00	5,425.00	5,425.00	120.93	93.77	-55.81	-5,559.47	5,734.06	3,858.02	3,667.30	190.72	20.229		
15,900.00	7,630.00	5,425.00	5,425.00	122.57	93.77	-55.81	-5,559.47	5,734.06	3,864.48	3,671.70	192.78	20.046		
16,000.00	7,630.00	5,425.00	5,425.00	124.21	93.77	-55.81	-5,559.47	5,734.06	3,873.51	3,678.72	194.79	19.886		
16,100.00	7,630.00	5,425.00	5,425.00	125.85	93.77	-55.81	-5,559.47	5,734.06	3,885.10	3,688.34	196.76	19.746		
16,200.00	7,630.00	5,425.00	5,425.00	127.50	93.77	-55.81	-5,559.47	5,734.06	3,899.21	3,700.54	198.68	19.626		
16,300.00	7,630.00	5,425.00	5,425.00	129.15	93.77	-55.81	-5,559.47	5,734.06	3,915.83	3,715.29	200.54	19.526		
16,400.00	7,630.00	5,425.00	5,425.00	130.80	93.77	-55.81	-5,559.47	5,734.06	3,934.93	3,732.57	202.35	19.446		
16,500.00	7,630.00	5,425.00	5,425.00	132.46	93.77	-55.81	-5,559.47	5,734.06	3,956.45	3,752.35	204.10	19.385		
16,600.00	7,630.00	5,425.00	5,425.00	134.11	93.77	-55.81	-5,559.47	5,734.06	3,980.38	3,774.59	205.79	19.342		
16,700.00	7,630.00	5,425.00	5,425.00	135.77	93.77	-55.81	-5,559.47	5,734.06	4,006.66	3,799.25	207.41	19.318		
16,800.00	7,630.00	5,425.00	5,425.00	137.43	93.77	-55.81	-5,559.47	5,734.06	4,035.24	3,826.28	208.96	19.311 SF		
16,900.00	7,630.00	5,425.00	5,425.00	139.10	93.77	-55.81	-5,559.47	5,734.06	4,066.09	3,855.64	210.45	19.321		
17,000.00	7,630.00	5,425.00	5,425.00	140.77	93.77	-55.81	-5,559.47	5,734.06	4,099.14	3,887.27	211.87	19.347		
17,100.00	7,630.00	5,425.00	5,425.00	142.44	93.77	-55.81	-5,559.47	5,734.06	4,134.35	3,921.12	213.22	19.390		
17,200.00	7,630.00	5,425.00	5,425.00	144.11	93.77	-55.81	-5,559.47	5,734.06	4,171.66	3,957.15	214.51	19.448		
17,300.00	7,630.00	5,425.00	5,425.00	145.78	93.77	-55.81	-5,559.47	5,734.06	4,211.01	3,995.28	215.72	19.520		
17,400.00	7,630.00	5,425.00	5,425.00	147.46	93.77	-55.81	-5,559.47	5,734.06	4,252.35	4,035.48	216.87	19.607		
17,500.00	7,630.00	5,425.00	5,425.00	149.13	93.77	-55.81	-5,559.47	5,734.06	4,295.62	4,077.66	217.96	19.708		
17,600.00	7,630.00	5,425.00	5,425.00	150.81	93.77	-55.81	-5,559.47	5,734.06	4,340.77	4,121.79	218.98	19.823		
17,700.00	7,630.00	5,425.00	5,425.00	152.49	93.77	-55.81	-5,559.47	5,734.06	4,387.72	4,167.79	219.93	19.950		
17,800.00	7,630.00	5,425.00	5,425.00	154.18	93.77	-55.81	-5,559.47	5,734.06	4,436.44	4,215.61	220.83	20.090		
17,900.00	7,630.00	5,425.00	5,425.00	155.86	93.77	-55.81	-5,559.47	5,734.06	4,486.86	4,265.19	221.67	20.242		
18,000.00	7,630.00	5,425.00	5,425.00	157.55	93.77	-55.81	-5,559.47	5,734.06	4,538.92	4,316.48	222.44	20.405		
18,100.00	7,630.00	5,425.00	5,425.00	159.24	93.77	-55.81	-5,559.47	5,734.06	4,592.57	4,369.40	223.17	20.579		
18,200.00	7,630.00	5,425.00	5,425.00	160.92	93.77	-55.81	-5,559.47	5,734.06	4,647.75	4,423.91	223.84	20.764		
18,300.00	7,630.00	5,425.00	5,425.00	162.62	93.77	-55.81	-5,559.47	5,734.06	4,704.41	4,479.95	224.45	20.959		
18,400.00	7,630.00	5,425.00	5,425.00	164.31	93.77	-55.81	-5,559.47	5,734.06	4,762.49	4,537.47	225.02	21.164		
18,458.39	7,630.00	5,425.00	5,425.00	165.30	93.77	-55.81	-5,559.47	5,734.06	4,797.05	4,571.71	225.34	21.288		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
0.00	0.00	0.00	0.00	0.00	0.00	133.83	-4,237.37	4,414.43	6,119.14					
100.00	100.00	64.00	64.00	0.13	0.50	133.83	-4,237.37	4,414.43	6,119.03	6,118.40	0.64	9,604.776		
200.00	200.00	164.00	164.00	0.49	1.90	133.83	-4,237.37	4,414.43	6,119.03	6,116.64	2.40	2,554.591		
300.00	300.00	264.00	264.00	0.85	3.65	133.83	-4,237.37	4,414.43	6,119.03	6,114.53	4.50	1,360.054		
400.00	400.00	364.00	364.00	1.21	5.39	133.83	-4,237.37	4,414.43	6,119.03	6,112.43	6.60	926.718		
500.00	500.00	464.00	464.00	1.57	7.14	133.83	-4,237.37	4,414.43	6,119.03	6,110.33	8.71	702.795		
600.00	600.00	564.00	564.00	1.93	8.88	133.83	-4,237.37	4,414.43	6,119.03	6,108.22	10.81	566.026		
700.00	700.00	664.00	664.00	2.29	10.63	133.83	-4,237.37	4,414.43	6,119.03	6,106.12	12.91	473.818		
800.00	800.00	764.00	764.00	2.64	12.37	133.83	-4,237.37	4,414.43	6,119.03	6,104.02	15.02	407.444		
900.00	900.00	864.00	864.00	3.00	14.12	133.83	-4,237.37	4,414.43	6,119.03	6,101.91	17.12	357.380		
1,000.00	1,000.00	964.00	964.00	3.36	15.87	133.83	-4,237.37	4,414.43	6,119.03	6,099.81	19.23	318.273		
1,100.00	1,100.00	1,064.00	1,064.00	3.72	17.61	133.83	-4,237.37	4,414.43	6,119.03	6,097.70	21.33	286.881		
1,200.00	1,199.98	1,163.98	1,163.98	4.07	19.36	82.78	-4,237.37	4,414.43	6,118.81	6,095.38	23.43	261.157		
1,300.00	1,299.84	1,263.84	1,263.84	4.43	21.10	82.84	-4,237.37	4,414.43	6,118.16	6,092.63	25.53	239.685		
1,400.00	1,399.45	1,363.45	1,363.45	4.79	22.84	82.94	-4,237.37	4,414.43	6,117.08	6,089.45	27.62	221.457		
1,500.00	1,498.70	1,462.70	1,462.70	5.15	24.57	83.09	-4,237.37	4,414.43	6,115.58	6,085.86	29.72	205.778		
1,600.00	1,597.47	1,561.47	1,561.47	5.53	26.29	83.27	-4,237.37	4,414.43	6,113.70	6,081.88	31.82	192.133		
1,700.00	1,695.62	1,659.62	1,659.62	5.93	28.01	83.49	-4,237.37	4,414.43	6,111.46	6,077.53	33.93	180.132		
1,800.00	1,793.06	1,757.06	1,757.06	6.35	29.71	83.74	-4,237.37	4,414.43	6,108.89	6,072.85	36.05	169.479		
1,900.00	1,889.64	1,853.64	1,853.64	6.79	31.39	84.03	-4,237.37	4,414.43	6,106.04	6,067.86	38.18	159.945		
2,000.00	1,985.27	1,949.27	1,949.27	7.27	33.06	84.35	-4,237.37	4,414.43	6,102.95	6,062.62	40.32	151.348		
2,100.00	2,079.82	2,043.82	2,043.82	7.79	34.71	84.71	-4,237.37	4,414.43	6,099.67	6,057.17	42.49	143.548		
2,200.00	2,173.17	2,137.17	2,137.17	8.36	36.34	85.09	-4,237.37	4,414.43	6,096.26	6,051.57	44.68	136.430		
2,300.00	2,265.21	2,229.21	2,229.21	8.97	37.95	85.49	-4,237.37	4,414.43	6,092.77	6,045.87	46.90	129.903		
2,400.00	2,355.84	2,319.84	2,319.84	9.64	39.53	85.92	-4,237.37	4,414.43	6,089.29	6,040.14	49.15	123.893		
2,500.00	2,444.94	2,408.94	2,408.94	10.36	41.08	86.37	-4,237.37	4,414.43	6,085.87	6,034.44	51.43	118.340		
2,591.69	2,525.19	2,489.19	2,489.19	11.07	42.48	86.80	-4,237.37	4,414.43	6,082.85	6,029.31	53.54	113.608		
2,600.00	2,532.40	2,503.60	2,496.40	11.14	42.74	86.83	-4,237.37	4,414.43	6,082.59	6,028.73	53.86	112.932		
2,700.00	2,619.15	2,583.15	2,583.15	11.96	44.12	87.24	-4,237.37	4,414.43	6,079.62	6,023.55	56.07	108.423		
2,800.00	2,705.89	2,669.89	2,669.89	12.81	45.64	87.64	-4,237.37	4,414.43	6,077.06	6,018.63	58.43	103.999		
2,900.00	2,792.64	2,756.64	2,756.64	13.67	47.15	88.05	-4,237.37	4,414.43	6,074.91	6,014.10	60.81	99.894		
3,000.00	2,879.39	2,843.39	2,843.39	14.55	48.67	88.46	-4,237.37	4,414.43	6,073.16	6,009.95	63.21	96.082		
3,100.00	2,966.14	2,930.14	2,930.14	15.44	50.18	88.86	-4,237.37	4,414.43	6,071.82	6,006.21	65.62	92.536		
3,200.00	3,052.88	3,016.88	3,016.88	16.34	51.69	89.27	-4,237.37	4,414.43	6,070.89	6,002.86	68.03	89.234		
3,300.00	3,139.63	3,103.63	3,103.63	17.25	53.21	89.68	-4,237.37	4,414.43	6,070.36	5,999.91	70.46	86.154		
3,378.76	3,207.95	3,171.95	3,171.95	17.98	54.40	90.00	-4,237.37	4,414.43	6,070.24	5,997.86	72.38	83.872		
3,400.00	3,226.38	3,209.62	3,190.38	18.17	55.06	90.09	-4,237.37	4,414.43	6,070.25	5,997.02	73.23	82.895		
3,500.00	3,313.12	3,277.12	3,277.12	19.09	56.24	90.49	-4,237.37	4,414.43	6,070.54	5,995.21	75.33	80.585		
3,600.00	3,399.87	3,363.87	3,363.87	20.02	57.75	90.90	-4,237.37	4,414.43	6,071.24	5,993.46	77.77	78.062		
3,700.00	3,486.62	3,450.62	3,450.62	20.96	59.26	91.31	-4,237.37	4,414.43	6,072.34	5,992.12	80.22	75.694		
3,800.00	3,573.37	3,537.37	3,537.37	21.90	60.78	91.72	-4,237.37	4,414.43	6,073.85	5,991.18	82.67	73.469		
3,900.00	3,660.11	3,624.11	3,624.11	22.84	62.29	92.12	-4,237.37	4,414.43	6,075.77	5,990.65	85.13	71.374		
4,000.00	3,746.86	3,710.86	3,710.86	23.78	63.81	92.53	-4,237.37	4,414.43	6,078.10	5,990.52	87.58	69.400		
4,100.00	3,833.61	3,802.39	3,797.61	24.73	65.40	92.94	-4,237.37	4,414.43	6,080.83	5,990.71	90.12	67.475		
4,200.00	3,920.35	3,884.35	3,884.35	25.68	66.83	93.34	-4,237.37	4,414.43	6,083.97	5,991.48	92.49	65.777		
4,300.00	4,007.10	3,971.10	3,971.10	26.63	68.35	93.75	-4,237.37	4,414.43	6,087.51	5,992.56	94.95	64.112		
4,400.00	4,093.85	4,057.85	4,057.85	27.59	69.86	94.15	-4,237.37	4,414.43	6,091.46	5,994.05	97.41	62.535		
4,500.00	4,180.60	4,144.60	4,144.60	28.55	71.38	94.56	-4,237.37	4,414.43	6,095.81	5,995.95	99.87	61.040		
4,600.00	4,267.34	4,231.34	4,231.34	29.50	72.89	94.96	-4,237.37	4,414.43	6,100.57	5,998.24	102.32	59.621		
4,700.00	4,354.09	4,318.09	4,318.09	30.46	74.40	95.37	-4,237.37	4,414.43	6,105.72	6,000.94	104.78	58.273		
4,800.00	4,440.84	4,404.84	4,404.84	31.42	75.92	95.77	-4,237.37	4,414.43	6,111.28	6,004.04	107.23	56.991		
4,900.00	4,527.58	4,508.42	4,491.58	32.39	77.73	96.17	-4,237.37	4,414.43	6,117.23	6,007.25	109.98	55.622		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
5,000.00	4,614.33	4,578.33	4,578.33	33.35	78.95	96.57	-4,237.37	4,414.43	6,123.59	6,011.45	112.14	54.608		
5,100.00	4,701.08	4,665.08	4,665.08	34.31	80.46	96.98	-4,237.37	4,414.43	6,130.34	6,015.75	114.59	53.500		
5,200.00	4,787.82	4,751.82	4,751.82	35.28	81.98	97.38	-4,237.37	4,414.43	6,137.48	6,020.45	117.03	52.442		
5,300.00	4,874.57	4,838.57	4,838.57	36.25	83.49	97.78	-4,237.37	4,414.43	6,145.03	6,025.55	119.48	51.432		
5,400.00	4,961.32	4,925.32	4,925.32	37.21	85.00	98.18	-4,237.37	4,414.43	6,152.96	6,031.04	121.92	50.467		
5,500.00	5,048.07	5,012.07	5,012.07	38.18	86.52	98.58	-4,237.37	4,414.43	6,161.28	6,036.93	124.36	49.544		
5,600.00	5,134.81	5,101.19	5,098.81	39.15	88.07	98.97	-4,237.37	4,414.43	6,170.00	6,043.16	126.84	48.645		
5,700.00	5,221.56	5,185.56	5,185.56	40.12	89.55	99.37	-4,237.37	4,414.43	6,179.10	6,049.87	129.23	47.815		
5,800.00	5,308.31	5,272.31	5,272.31	41.09	91.06	99.77	-4,237.37	4,414.43	6,188.59	6,056.93	131.66	47.004		
5,900.00	5,395.05	5,359.05	5,359.05	42.06	92.57	100.16	-4,237.37	4,414.43	6,198.47	6,064.38	134.09	46.227		
6,000.00	5,481.80	5,445.80	5,445.80	43.03	94.09	100.56	-4,237.37	4,414.43	6,208.73	6,072.22	136.51	45.482		
6,100.00	5,568.55	5,450.00	5,450.00	44.00	94.16	100.58	-4,237.37	4,414.43	6,219.91	6,082.45	137.46	45.248		
6,200.00	5,655.30	5,450.00	5,450.00	44.97	94.16	100.58	-4,237.37	4,414.43	6,232.68	6,094.38	138.31	45.064		
6,300.00	5,742.04	5,450.00	5,450.00	45.94	94.16	100.58	-4,237.37	4,414.43	6,247.03	6,107.91	139.12	44.903		
6,400.00	5,828.79	5,450.00	5,450.00	46.92	94.16	100.58	-4,237.37	4,414.43	6,262.94	6,123.03	139.91	44.765		
6,500.00	5,915.54	5,450.00	5,450.00	47.89	94.16	100.58	-4,237.37	4,414.43	6,280.40	6,139.74	140.66	44.650		
6,600.00	6,002.28	5,450.00	5,450.00	48.86	94.16	100.58	-4,237.37	4,414.43	6,299.40	6,158.02	141.38	44.557		
6,700.00	6,089.03	5,450.00	5,450.00	49.83	94.16	100.58	-4,237.37	4,414.43	6,319.93	6,177.86	142.07	44.485		
6,800.00	6,175.78	5,450.00	5,450.00	50.81	94.16	100.58	-4,237.37	4,414.43	6,341.96	6,199.23	142.73	44.434		
6,900.00	6,262.53	5,450.00	5,450.00	51.78	94.16	100.58	-4,237.37	4,414.43	6,365.49	6,222.14	143.35	44.404		
7,000.00	6,349.27	5,450.00	5,450.00	52.76	94.16	100.58	-4,237.37	4,414.43	6,390.50	6,246.55	143.95	44.394		
7,100.00	6,436.02	5,450.00	5,450.00	53.73	94.16	100.58	-4,237.37	4,414.43	6,416.97	6,272.46	144.51	44.404		
7,200.00	6,522.77	5,450.00	5,450.00	54.71	94.16	100.58	-4,237.37	4,414.43	6,444.89	6,299.84	145.05	44.432		
7,300.00	6,609.51	5,450.00	5,450.00	55.68	94.16	100.58	-4,237.37	4,414.43	6,474.22	6,328.67	145.55	44.480		
7,400.00	6,696.26	5,450.00	5,450.00	56.66	94.16	100.58	-4,237.37	4,414.43	6,504.97	6,358.94	146.03	44.545		
7,500.00	6,783.01	5,450.00	5,450.00	57.63	94.16	100.58	-4,237.37	4,414.43	6,537.10	6,390.62	146.48	44.629		
7,600.00	6,869.76	5,450.00	5,450.00	58.61	94.16	100.58	-4,237.37	4,414.43	6,570.59	6,423.69	146.90	44.729		
7,683.49	6,942.18	5,450.00	5,450.00	59.42	94.16	100.58	-4,237.37	4,414.43	6,599.58	6,452.36	147.23	44.826		
7,700.00	6,956.57	5,450.00	5,450.00	59.58	94.16	98.39	-4,237.37	4,414.43	6,605.22	6,457.94	147.29	44.846		
7,750.00	7,000.85	5,450.00	5,450.00	60.04	94.16	90.65	-4,237.37	4,414.43	6,620.02	6,472.57	147.45	44.895		
7,800.00	7,045.94	5,450.00	5,450.00	60.46	94.16	81.29	-4,237.37	4,414.43	6,631.32	6,483.73	147.59	44.930		
7,850.00	7,091.49	5,450.00	5,450.00	60.84	94.16	70.71	-4,237.37	4,414.43	6,639.04	6,491.35	147.69	44.952		
7,900.00	7,137.15	5,450.00	5,450.00	61.17	94.16	59.69	-4,237.37	4,414.43	6,643.16	6,495.40	147.76	44.960		
7,950.00	7,182.58	5,450.00	5,450.00	61.44	94.16	49.11	-4,237.37	4,414.43	6,643.63	6,495.85	147.78	44.956		
8,000.00	7,227.43	5,450.00	5,450.00	61.67	94.16	39.64	-4,237.37	4,414.43	6,640.45	6,492.69	147.76	44.940		
8,050.00	7,271.36	5,450.00	5,450.00	61.84	94.16	31.52	-4,237.37	4,414.43	6,633.66	6,485.95	147.70	44.912		
8,100.00	7,314.04	5,450.00	5,450.00	61.96	94.16	24.68	-4,237.37	4,414.43	6,623.28	6,475.67	147.61	44.871		
8,150.00	7,355.14	5,450.00	5,450.00	62.04	94.16	18.93	-4,237.37	4,414.43	6,609.38	6,461.90	147.48	44.817		
8,200.00	7,394.34	5,450.00	5,450.00	62.07	94.16	14.01	-4,237.37	4,414.43	6,592.04	6,444.73	147.31	44.750		
8,250.00	7,431.36	5,450.00	5,450.00	62.06	94.16	9.69	-4,237.37	4,414.43	6,571.37	6,424.26	147.11	44.669		
8,300.00	7,465.90	5,450.00	5,450.00	62.01	94.16	5.78	-4,237.37	4,414.43	6,547.49	6,400.61	146.89	44.575		
8,350.00	7,497.71	5,450.00	5,450.00	61.93	94.16	2.11	-4,237.37	4,414.43	6,520.56	6,373.92	146.64	44.466		
8,400.00	7,526.53	5,450.00	5,450.00	61.81	94.16	-1.49	-4,237.37	4,414.43	6,490.74	6,344.37	146.37	44.344		
8,450.00	7,552.17	5,450.00	5,450.00	61.66	94.16	-5.15	-4,237.37	4,414.43	6,458.22	6,312.13	146.09	44.207		
8,500.00	7,574.41	5,450.00	5,450.00	61.48	94.16	-9.03	-4,237.37	4,414.43	6,423.20	6,277.41	145.80	44.056		
8,550.00	7,593.09	5,450.00	5,450.00	61.29	94.16	-13.30	-4,237.37	4,414.43	6,385.92	6,240.43	145.49	43.891		
8,600.00	7,608.07	5,450.00	5,450.00	61.07	94.16	-18.14	-4,237.37	4,414.43	6,346.62	6,201.43	145.19	43.712		
8,650.00	7,619.23	5,450.00	5,450.00	60.84	94.16	-23.76	-4,237.37	4,414.43	6,305.57	6,160.68	144.89	43.520		
8,700.00	7,626.48	5,450.00	5,450.00	60.60	94.16	-30.37	-4,237.37	4,414.43	6,263.05	6,118.45	144.59	43.315		
8,750.00	7,629.78	5,450.00	5,450.00	60.35	94.16	-38.16	-4,237.37	4,414.43	6,219.35	6,075.04	144.31	43.097		
8,766.45	7,630.00	5,450.00	5,450.00	60.27	94.16	-40.99	-4,237.37	4,414.43	6,204.77	6,060.55	144.22	43.023		
8,800.00	7,630.00	5,450.00	5,450.00	60.10	94.16	-40.99	-4,237.37	4,414.43	6,174.95	6,030.92	144.03	42.871		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
8,900.00	7,630.00	5,450.00	5,450.00	59.61	94.16	-40.99	-4,237.37	4,414.43	6,086.34	5,942.86	143.47	42.421		
9,000.00	7,630.00	5,450.00	5,450.00	59.15	94.16	-40.99	-4,237.37	4,414.43	5,998.07	5,855.17	142.90	41.973		
9,100.00	7,630.00	5,450.00	5,450.00	58.71	94.16	-40.99	-4,237.37	4,414.43	5,910.19	5,767.87	142.32	41.528		
9,200.00	7,630.00	5,450.00	5,450.00	58.30	94.16	-40.99	-4,237.37	4,414.43	5,822.69	5,680.97	141.72	41.085		
9,300.00	7,630.00	5,450.00	5,450.00	57.91	94.16	-40.99	-4,237.37	4,414.43	5,735.60	5,594.49	141.11	40.645		
9,400.00	7,630.00	5,450.00	5,450.00	57.54	94.16	-40.99	-4,237.37	4,414.43	5,648.94	5,508.45	140.49	40.208		
9,500.00	7,630.00	5,450.00	5,450.00	57.19	94.16	-40.99	-4,237.37	4,414.43	5,562.73	5,422.87	139.86	39.774		
9,600.00	7,630.00	5,450.00	5,450.00	56.87	94.16	-40.99	-4,237.37	4,414.43	5,476.99	5,337.77	139.21	39.342		
9,700.00	7,630.00	5,450.00	5,450.00	56.57	94.16	-40.99	-4,237.37	4,414.43	5,391.73	5,253.18	138.56	38.913		
9,800.00	7,630.00	5,450.00	5,450.00	56.30	94.16	-40.99	-4,237.37	4,414.43	5,306.99	5,169.11	137.89	38.487		
9,900.00	7,630.00	5,450.00	5,450.00	56.05	94.16	-40.99	-4,237.37	4,414.43	5,222.80	5,085.59	137.21	38.064		
10,000.00	7,630.00	5,450.00	5,450.00	55.82	94.16	-40.99	-4,237.37	4,414.43	5,139.17	5,002.64	136.52	37.643		
10,100.00	7,630.00	5,450.00	5,450.00	55.63	94.16	-40.99	-4,237.37	4,414.43	5,056.13	4,920.30	135.83	37.225		
10,200.00	7,630.00	5,450.00	5,450.00	55.46	94.16	-40.99	-4,237.37	4,414.43	4,973.72	4,838.59	135.12	36.809		
10,300.00	7,630.00	5,450.00	5,450.00	55.32	94.16	-40.99	-4,237.37	4,414.43	4,891.96	4,757.55	134.41	36.396		
10,400.00	7,630.00	5,450.00	5,450.00	55.22	94.16	-40.99	-4,237.37	4,414.43	4,810.89	4,677.19	133.70	35.984		
10,500.00	7,630.00	5,450.00	5,450.00	55.15	94.16	-40.99	-4,237.37	4,414.43	4,730.55	4,597.57	132.98	35.574		
10,600.00	7,630.00	5,450.00	5,450.00	55.14	94.16	-40.99	-4,237.37	4,414.43	4,650.97	4,518.71	132.26	35.165		
10,700.00	7,630.00	5,450.00	5,450.00	55.18	94.16	-40.99	-4,237.37	4,414.43	4,572.19	4,440.64	131.55	34.757		
10,800.00	7,630.00	5,450.00	5,450.00	55.28	94.16	-40.99	-4,237.37	4,414.43	4,494.25	4,363.42	130.84	34.350		
10,900.00	7,630.00	5,450.00	5,450.00	55.47	94.16	-40.99	-4,237.37	4,414.43	4,417.21	4,287.07	130.13	33.943		
11,000.00	7,630.00	5,450.00	5,450.00	55.74	94.16	-40.99	-4,237.37	4,414.43	4,341.10	4,211.65	129.45	33.536		
11,100.00	7,630.00	5,450.00	5,450.00	56.11	94.16	-40.99	-4,237.37	4,414.43	4,265.98	4,137.20	128.77	33.128		
11,200.00	7,630.00	5,450.00	5,450.00	56.60	94.16	-40.99	-4,237.37	4,414.43	4,191.89	4,063.77	128.12	32.718		
11,300.00	7,630.00	5,450.00	5,450.00	57.20	94.16	-40.99	-4,237.37	4,414.43	4,118.91	3,991.41	127.50	32.305		
11,400.00	7,630.00	5,450.00	5,450.00	57.91	94.16	-40.99	-4,237.37	4,414.43	4,047.07	3,920.16	126.91	31.890		
11,500.00	7,630.00	5,450.00	5,450.00	58.72	94.16	-40.99	-4,237.37	4,414.43	3,976.46	3,850.10	126.36	31.470		
11,600.00	7,630.00	5,450.00	5,450.00	59.63	94.16	-40.99	-4,237.37	4,414.43	3,907.12	3,781.28	125.85	31.046		
11,700.00	7,630.00	5,450.00	5,450.00	60.61	94.16	-40.99	-4,237.37	4,414.43	3,839.15	3,713.75	125.39	30.617		
11,800.00	7,630.00	5,450.00	5,450.00	61.67	94.16	-40.99	-4,237.37	4,414.43	3,772.59	3,647.60	124.99	30.183		
11,900.00	7,630.00	5,450.00	5,450.00	62.78	94.16	-40.99	-4,237.37	4,414.43	3,707.54	3,582.88	124.66	29.741		
12,000.00	7,630.00	5,450.00	5,450.00	63.95	94.16	-40.99	-4,237.37	4,414.43	3,644.07	3,519.67	124.40	29.293		
12,100.00	7,630.00	5,450.00	5,450.00	65.16	94.16	-40.99	-4,237.37	4,414.43	3,582.27	3,458.06	124.22	28.839		
12,200.00	7,630.00	5,450.00	5,450.00	66.41	94.16	-40.99	-4,237.37	4,414.43	3,522.23	3,398.11	124.12	28.377		
12,300.00	7,630.00	5,450.00	5,450.00	67.68	94.16	-40.99	-4,237.37	4,414.43	3,464.03	3,339.91	124.12	27.909		
12,400.00	7,630.00	5,450.00	5,450.00	68.99	94.16	-40.99	-4,237.37	4,414.43	3,407.77	3,283.56	124.21	27.435		
12,500.00	7,630.00	5,450.00	5,450.00	70.33	94.16	-40.99	-4,237.37	4,414.43	3,353.56	3,229.14	124.41	26.955		
12,600.00	7,630.00	5,450.00	5,450.00	71.68	94.16	-40.99	-4,237.37	4,414.43	3,301.48	3,176.76	124.72	26.472		
12,700.00	7,630.00	5,450.00	5,450.00	73.06	94.16	-40.99	-4,237.37	4,414.43	3,251.64	3,126.51	125.13	25.986		
12,800.00	7,630.00	5,450.00	5,450.00	74.45	94.16	-40.99	-4,237.37	4,414.43	3,204.15	3,078.49	125.66	25.498		
12,900.00	7,630.00	5,450.00	5,450.00	75.87	94.16	-40.99	-4,237.37	4,414.43	3,159.11	3,032.81	126.31	25.012		
13,000.00	7,630.00	5,450.00	5,450.00	77.29	94.16	-40.99	-4,237.37	4,414.43	3,116.63	2,989.57	127.07	24.527		
13,100.00	7,630.00	5,450.00	5,450.00	78.74	94.16	-40.99	-4,237.37	4,414.43	3,076.82	2,948.87	127.95	24.048		
13,200.00	7,630.00	5,450.00	5,450.00	80.19	94.16	-40.99	-4,237.37	4,414.43	3,039.78	2,910.83	128.94	23.575		
13,300.00	7,630.00	5,450.00	5,450.00	81.66	94.16	-40.99	-4,237.37	4,414.43	3,005.60	2,875.55	130.05	23.111		
13,400.00	7,630.00	5,450.00	5,450.00	83.14	94.16	-40.99	-4,237.37	4,414.43	2,974.40	2,843.12	131.28	22.658		
13,500.00	7,630.00	5,450.00	5,450.00	84.63	94.16	-40.99	-4,237.37	4,414.43	2,946.26	2,813.65	132.61	22.217		
13,600.00	7,630.00	5,450.00	5,450.00	86.14	94.16	-40.99	-4,237.37	4,414.43	2,921.28	2,787.23	134.05	21.792		
13,700.00	7,630.00	5,450.00	5,450.00	87.65	94.16	-40.99	-4,237.37	4,414.43	2,899.53	2,763.93	135.60	21.383		
13,800.00	7,630.00	5,450.00	5,450.00	89.17	94.16	-40.99	-4,237.37	4,414.43	2,881.10	2,743.85	137.25	20.992		
13,900.00	7,630.00	5,450.00	5,450.00	90.70	94.16	-40.99	-4,237.37	4,414.43	2,866.03	2,727.05	138.98	20.621		
14,000.00	7,630.00	5,450.00	5,450.00	92.24	94.16	-40.99	-4,237.37	4,414.43	2,854.39	2,713.58	140.81	20.272		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
14,100.00	7,630.00	5,450.00	5,450.00	93.78	94.16	-40.99	-4,237.37	4,414.43	2,846.22	2,703.51	142.71	19.945		
14,200.00	7,630.00	5,450.00	5,450.00	95.33	94.16	-40.99	-4,237.37	4,414.43	2,841.54	2,696.87	144.67	19.641		
14,282.94	7,630.00	5,450.00	5,450.00	96.63	94.16	-40.99	-4,237.37	4,414.43	2,840.33	2,693.98	146.35	19.408 CC		
14,300.00	7,630.00	5,450.00	5,450.00	96.89	94.16	-40.99	-4,237.37	4,414.43	2,840.38	2,693.68	146.70	19.362 ES		
14,400.00	7,630.00	5,450.00	5,450.00	98.46	94.16	-40.99	-4,237.37	4,414.43	2,842.74	2,693.97	148.77	19.108		
14,500.00	7,630.00	5,450.00	5,450.00	100.03	94.16	-40.99	-4,237.37	4,414.43	2,848.61	2,697.74	150.88	18.880		
14,600.00	7,630.00	5,450.00	5,450.00	101.61	94.16	-40.99	-4,237.37	4,414.43	2,857.97	2,704.97	153.00	18.679		
14,700.00	7,630.00	5,450.00	5,450.00	103.20	94.16	-40.99	-4,237.37	4,414.43	2,870.79	2,715.65	155.14	18.505		
14,800.00	7,630.00	5,450.00	5,450.00	104.78	94.16	-40.99	-4,237.37	4,414.43	2,887.01	2,729.74	157.27	18.357		
14,900.00	7,630.00	5,450.00	5,450.00	106.38	94.16	-40.99	-4,237.37	4,414.43	2,906.59	2,747.20	159.39	18.236		
15,000.00	7,630.00	5,450.00	5,450.00	107.98	94.16	-40.99	-4,237.37	4,414.43	2,929.45	2,767.98	161.47	18.142		
15,100.00	7,630.00	5,450.00	5,450.00	109.58	94.16	-40.99	-4,237.37	4,414.43	2,955.52	2,792.00	163.52	18.075		
15,200.00	7,630.00	5,450.00	5,450.00	111.19	94.16	-40.99	-4,237.37	4,414.43	2,984.71	2,819.20	165.51	18.033		
15,300.00	7,630.00	5,450.00	5,450.00	112.81	94.16	-40.99	-4,237.37	4,414.43	3,016.94	2,849.49	167.44	18.017 SF		
15,400.00	7,630.00	5,450.00	5,450.00	114.42	94.16	-40.99	-4,237.37	4,414.43	3,052.10	2,882.79	169.31	18.026		
15,500.00	7,630.00	5,450.00	5,450.00	116.05	94.16	-40.99	-4,237.37	4,414.43	3,090.10	2,919.00	171.11	18.059		
15,600.00	7,630.00	5,450.00	5,450.00	117.67	94.16	-40.99	-4,237.37	4,414.43	3,130.84	2,958.01	172.82	18.116		
15,700.00	7,630.00	5,450.00	5,450.00	119.30	94.16	-40.99	-4,237.37	4,414.43	3,174.20	2,999.74	174.46	18.195		
15,800.00	7,630.00	5,450.00	5,450.00	120.93	94.16	-40.99	-4,237.37	4,414.43	3,220.09	3,044.08	176.01	18.295		
15,900.00	7,630.00	5,450.00	5,450.00	122.57	94.16	-40.99	-4,237.37	4,414.43	3,268.39	3,090.92	177.47	18.416		
16,000.00	7,630.00	5,450.00	5,450.00	124.21	94.16	-40.99	-4,237.37	4,414.43	3,319.01	3,140.15	178.86	18.557		
16,100.00	7,630.00	5,450.00	5,450.00	125.85	94.16	-40.99	-4,237.37	4,414.43	3,371.83	3,191.67	180.15	18.716		
16,200.00	7,630.00	5,450.00	5,450.00	127.50	94.16	-40.99	-4,237.37	4,414.43	3,426.75	3,245.38	181.37	18.894		
16,300.00	7,630.00	5,450.00	5,450.00	129.15	94.16	-40.99	-4,237.37	4,414.43	3,483.68	3,301.18	182.50	19.089		
16,400.00	7,630.00	5,450.00	5,450.00	130.80	94.16	-40.99	-4,237.37	4,414.43	3,542.52	3,358.96	183.56	19.299		
16,500.00	7,630.00	5,450.00	5,450.00	132.46	94.16	-40.99	-4,237.37	4,414.43	3,603.17	3,418.64	184.54	19.525		
16,600.00	7,630.00	5,450.00	5,450.00	134.11	94.16	-40.99	-4,237.37	4,414.43	3,665.55	3,480.11	185.45	19.766		
16,700.00	7,630.00	5,450.00	5,450.00	135.77	94.16	-40.99	-4,237.37	4,414.43	3,729.57	3,543.28	186.29	20.021		
16,800.00	7,630.00	5,450.00	5,450.00	137.43	94.16	-40.99	-4,237.37	4,414.43	3,795.14	3,608.08	187.06	20.288		
16,900.00	7,630.00	5,450.00	5,450.00	139.10	94.16	-40.99	-4,237.37	4,414.43	3,862.19	3,674.41	187.78	20.568		
17,000.00	7,630.00	5,450.00	5,450.00	140.77	94.16	-40.99	-4,237.37	4,414.43	3,930.64	3,742.20	188.43	20.859		
17,100.00	7,630.00	5,450.00	5,450.00	142.44	94.16	-40.99	-4,237.37	4,414.43	4,000.42	3,811.38	189.04	21.162		
17,200.00	7,630.00	5,450.00	5,450.00	144.11	94.16	-40.99	-4,237.37	4,414.43	4,071.46	3,881.87	189.59	21.475		
17,300.00	7,630.00	5,450.00	5,450.00	145.78	94.16	-40.99	-4,237.37	4,414.43	4,143.69	3,953.60	190.09	21.798		
17,400.00	7,630.00	5,450.00	5,450.00	147.46	94.16	-40.99	-4,237.37	4,414.43	4,217.06	4,026.50	190.55	22.130		
17,500.00	7,630.00	5,450.00	5,450.00	149.13	94.16	-40.99	-4,237.37	4,414.43	4,291.50	4,100.53	190.97	22.472		
17,600.00	7,630.00	5,450.00	5,450.00	150.81	94.16	-40.99	-4,237.37	4,414.43	4,366.97	4,175.61	191.35	22.821		
17,700.00	7,630.00	5,450.00	5,450.00	152.49	94.16	-40.99	-4,237.37	4,414.43	4,443.40	4,251.70	191.70	23.179		
17,800.00	7,630.00	5,450.00	5,450.00	154.18	94.16	-40.99	-4,237.37	4,414.43	4,520.76	4,328.74	192.01	23.544		
17,900.00	7,630.00	5,450.00	5,450.00	155.86	94.16	-40.99	-4,237.37	4,414.43	4,598.98	4,406.69	192.29	23.916		
18,000.00	7,630.00	5,450.00	5,450.00	157.55	94.16	-40.99	-4,237.37	4,414.43	4,678.04	4,485.49	192.55	24.295		
18,100.00	7,630.00	5,450.00	5,450.00	159.24	94.16	-40.99	-4,237.37	4,414.43	4,757.88	4,565.11	192.78	24.681		
18,200.00	7,630.00	5,450.00	5,450.00	160.92	94.16	-40.99	-4,237.37	4,414.43	4,838.48	4,645.50	192.98	25.072		
18,300.00	7,630.00	5,450.00	5,450.00	162.62	94.16	-40.99	-4,237.37	4,414.43	4,919.79	4,726.62	193.16	25.470		
18,400.00	7,630.00	5,450.00	5,450.00	164.31	94.16	-40.99	-4,237.37	4,414.43	5,001.77	4,808.45	193.32	25.872		
18,458.39	7,630.00	5,450.00	5,450.00	165.30	94.16	-40.99	-4,237.37	4,414.43	5,049.94	4,856.53	193.41	26.110		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	141.55	-5,559.74	4,414.67	7,099.38					
100.00	100.00	65.00	65.00	0.13	0.51	141.55	-5,559.74	4,414.67	7,099.30	7,098.65	0.64	N/A		
200.00	200.00	165.00	165.00	0.49	1.92	141.55	-5,559.74	4,414.67	7,099.30	7,096.88	2.41	2,942.395		
300.00	300.00	265.00	265.00	0.85	3.67	141.55	-5,559.74	4,414.67	7,099.30	7,094.78	4.52	1,571.836		
400.00	400.00	365.00	365.00	1.21	5.41	141.55	-5,559.74	4,414.67	7,099.30	7,092.68	6.62	1,072.342		
500.00	500.00	465.00	465.00	1.57	7.16	141.55	-5,559.74	4,414.67	7,099.30	7,090.57	8.72	813.751		
600.00	600.00	565.00	565.00	1.93	8.90	141.55	-5,559.74	4,414.67	7,099.30	7,088.47	10.83	655.645		
700.00	700.00	665.00	665.00	2.29	10.65	141.55	-5,559.74	4,414.67	7,099.30	7,086.37	12.93	548.981		
800.00	800.00	765.00	765.00	2.64	12.39	141.55	-5,559.74	4,414.67	7,099.30	7,084.26	15.04	472.167		
900.00	900.00	865.00	865.00	3.00	14.14	141.55	-5,559.74	4,414.67	7,099.30	7,082.16	17.14	414.210		
1,000.00	1,000.00	965.00	965.00	3.36	15.88	141.55	-5,559.74	4,414.67	7,099.30	7,080.05	19.24	368.926		
1,100.00	1,100.00	1,065.00	1,065.00	3.72	17.63	141.55	-5,559.74	4,414.67	7,099.30	7,077.95	21.35	332.567		
1,200.00	1,199.98	1,164.98	1,164.98	4.07	19.37	90.49	-5,559.74	4,414.67	7,099.31	7,075.86	23.45	302.779		
1,300.00	1,299.84	1,264.84	1,264.84	4.43	21.12	90.54	-5,559.74	4,414.67	7,099.36	7,073.82	25.54	277.930		
1,400.00	1,399.45	1,364.45	1,364.45	4.79	22.85	90.60	-5,559.74	4,414.67	7,099.45	7,071.81	27.64	256.852		
1,500.00	1,498.70	1,463.70	1,463.70	5.15	24.59	90.70	-5,559.74	4,414.67	7,099.59	7,069.85	29.74	238.735		
1,600.00	1,597.47	1,562.47	1,562.47	5.53	26.31	90.82	-5,559.74	4,414.67	7,099.80	7,067.96	31.84	222.982		
1,700.00	1,695.62	1,660.62	1,660.62	5.93	28.02	90.96	-5,559.74	4,414.67	7,100.10	7,066.15	33.95	209.140		
1,800.00	1,793.06	1,758.06	1,758.06	6.35	29.72	91.13	-5,559.74	4,414.67	7,100.52	7,064.45	36.07	196.864		
1,900.00	1,889.64	1,854.64	1,854.64	6.79	31.41	91.32	-5,559.74	4,414.67	7,101.10	7,062.89	38.20	185.888		
2,000.00	1,985.27	1,950.27	1,950.27	7.27	33.08	91.53	-5,559.74	4,414.67	7,101.86	7,061.51	40.35	176.002		
2,100.00	2,079.82	2,044.82	2,044.82	7.79	34.73	91.76	-5,559.74	4,414.67	7,102.85	7,060.33	42.52	167.042		
2,200.00	2,173.17	2,138.17	2,138.17	8.36	36.36	92.01	-5,559.74	4,414.67	7,104.11	7,059.40	44.72	158.875		
2,300.00	2,265.21	2,230.21	2,230.21	8.97	37.96	92.26	-5,559.74	4,414.67	7,105.69	7,058.76	46.93	151.394		
2,400.00	2,355.84	2,320.84	2,320.84	9.64	39.55	92.53	-5,559.74	4,414.67	7,107.65	7,058.46	49.18	144.515		
2,500.00	2,444.94	2,409.94	2,409.94	10.36	41.10	92.81	-5,559.74	4,414.67	7,110.02	7,058.56	51.46	138.166		
2,591.69	2,525.19	2,509.81	2,490.19	11.07	42.84	93.07	-5,559.74	4,414.67	7,112.62	7,058.71	53.92	131.919		
2,600.00	2,532.40	2,502.60	2,497.40	11.14	42.72	93.10	-5,559.74	4,414.67	7,112.88	7,059.02	53.86	132.068		
2,700.00	2,619.15	2,584.15	2,584.15	11.96	44.14	93.45	-5,559.74	4,414.67	7,116.15	7,060.05	56.10	126.844		
2,800.00	2,705.89	2,670.89	2,670.89	12.81	45.66	93.80	-5,559.74	4,414.67	7,119.77	7,061.31	58.46	121.793		
2,900.00	2,792.64	2,757.64	2,757.64	13.67	47.17	94.14	-5,559.74	4,414.67	7,123.74	7,062.91	60.83	117.105		
3,000.00	2,879.39	2,844.39	2,844.39	14.55	48.68	94.49	-5,559.74	4,414.67	7,128.05	7,064.83	63.22	112.751		
3,100.00	2,966.14	2,931.14	2,931.14	15.44	50.20	94.83	-5,559.74	4,414.67	7,132.71	7,067.09	65.62	108.701		
3,200.00	3,052.88	3,017.88	3,017.88	16.34	51.71	95.18	-5,559.74	4,414.67	7,137.70	7,069.68	68.03	104.927		
3,300.00	3,139.63	3,104.63	3,104.63	17.25	53.23	95.53	-5,559.74	4,414.67	7,143.05	7,072.61	70.44	101.405		
3,400.00	3,226.38	3,208.62	3,191.38	18.17	55.04	95.87	-5,559.74	4,414.67	7,148.73	7,075.57	73.16	97.710		
3,500.00	3,313.12	3,278.12	3,278.12	19.09	56.25	96.21	-5,559.74	4,414.67	7,154.76	7,079.47	75.29	95.033		
3,600.00	3,399.87	3,364.87	3,364.87	20.02	57.77	96.56	-5,559.74	4,414.67	7,161.12	7,083.41	77.72	92.145		
3,700.00	3,486.62	3,451.62	3,451.62	20.96	59.28	96.90	-5,559.74	4,414.67	7,167.83	7,087.68	80.15	89.432		
3,800.00	3,573.37	3,538.37	3,538.37	21.90	60.80	97.24	-5,559.74	4,414.67	7,174.87	7,092.29	82.58	86.881		
3,900.00	3,660.11	3,625.11	3,625.11	22.84	62.31	97.59	-5,559.74	4,414.67	7,182.25	7,097.24	85.02	84.479		
4,000.00	3,746.86	3,711.86	3,711.86	23.78	63.82	97.93	-5,559.74	4,414.67	7,189.97	7,102.52	87.46	82.213		
4,100.00	3,833.61	3,801.39	3,798.61	24.73	65.39	98.27	-5,559.74	4,414.67	7,198.03	7,108.09	89.94	80.030		
4,200.00	3,920.35	3,885.35	3,885.35	25.68	66.85	98.61	-5,559.74	4,414.67	7,206.42	7,114.09	92.33	78.050		
4,300.00	4,007.10	3,972.10	3,972.10	26.63	68.37	98.95	-5,559.74	4,414.67	7,215.14	7,120.37	94.77	76.135		
4,400.00	4,093.85	4,058.85	4,058.85	27.59	69.88	99.29	-5,559.74	4,414.67	7,224.19	7,126.99	97.20	74.319		
4,500.00	4,180.60	4,145.60	4,145.60	28.55	71.39	99.63	-5,559.74	4,414.67	7,233.58	7,133.94	99.64	72.596		
4,600.00	4,267.34	4,232.34	4,232.34	29.50	72.91	99.97	-5,559.74	4,414.67	7,243.29	7,141.22	102.08	70.960		
4,700.00	4,354.09	4,319.09	4,319.09	30.46	74.42	100.31	-5,559.74	4,414.67	7,253.34	7,148.83	104.51	69.404		
4,800.00	4,440.84	4,405.84	4,405.84	31.42	75.94	100.64	-5,559.74	4,414.67	7,263.70	7,156.76	106.94	67.922		
4,900.00	4,527.58	4,502.42	4,492.58	32.39	77.71	100.98	-5,559.74	4,414.67	7,274.40	7,164.77	109.63	66.353		
5,000.00	4,614.33	4,579.33	4,579.33	33.35	78.96	101.31	-5,559.74	4,414.67	7,285.42	7,173.62	111.80	65.164		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
5,100.00	4,701.08	4,666.08	4,666.08	34.31	80.48	101.65	-5,559.74	4,414.67	7,296.76	7,182.53	114.23	63.879		
5,200.00	4,787.82	4,752.82	4,752.82	35.28	81.99	101.98	-5,559.74	4,414.67	7,308.42	7,191.77	116.65	62.652		
5,300.00	4,874.57	4,839.57	4,839.57	36.25	83.51	102.32	-5,559.74	4,414.67	7,320.41	7,201.33	119.07	61.478		
5,400.00	4,961.32	4,926.32	4,926.32	37.21	85.02	102.65	-5,559.74	4,414.67	7,332.71	7,211.21	121.49	60.355		
5,500.00	5,048.07	5,013.07	5,013.07	38.18	86.53	102.98	-5,559.74	4,414.67	7,345.32	7,221.41	123.91	59.280		
5,600.00	5,134.81	5,100.19	5,099.81	39.15	88.06	103.31	-5,559.74	4,414.67	7,358.25	7,231.92	126.33	58.246		
5,700.00	5,221.56	5,186.56	5,186.56	40.12	89.56	103.64	-5,559.74	4,414.67	7,371.50	7,242.76	128.73	57.261		
5,800.00	5,308.31	5,273.31	5,273.31	41.09	91.08	103.97	-5,559.74	4,414.67	7,385.05	7,253.91	131.14	56.313		
5,900.00	5,395.05	5,360.05	5,360.05	42.06	92.59	104.29	-5,559.74	4,414.67	7,398.92	7,265.37	133.55	55.403		
6,000.00	5,481.80	5,446.80	5,446.80	43.03	94.10	104.62	-5,559.74	4,414.67	7,413.09	7,277.14	135.95	54.529		
6,100.00	5,568.55	5,450.00	5,450.00	44.00	94.16	104.63	-5,559.74	4,414.67	7,428.04	7,291.18	136.86	54.274		
6,200.00	5,655.30	5,450.00	5,450.00	44.97	94.16	104.63	-5,559.74	4,414.67	7,444.30	7,306.61	137.70	54.063		
6,300.00	5,742.04	5,450.00	5,450.00	45.94	94.16	104.63	-5,559.74	4,414.67	7,461.87	7,323.36	138.51	53.873		
6,400.00	5,828.79	5,450.00	5,450.00	46.92	94.16	104.63	-5,559.74	4,414.67	7,480.73	7,341.43	139.30	53.703		
6,500.00	5,915.54	5,450.00	5,450.00	47.89	94.16	104.63	-5,559.74	4,414.67	7,500.88	7,360.82	140.07	53.553		
6,600.00	6,002.28	5,450.00	5,450.00	48.86	94.16	104.63	-5,559.74	4,414.67	7,522.30	7,381.50	140.81	53.422		
6,700.00	6,089.03	5,450.00	5,450.00	49.83	94.16	104.63	-5,559.74	4,414.67	7,544.99	7,403.46	141.53	53.311		
6,800.00	6,175.78	5,450.00	5,450.00	50.81	94.16	104.63	-5,559.74	4,414.67	7,568.93	7,426.71	142.23	53.218		
6,900.00	6,262.53	5,450.00	5,450.00	51.78	94.16	104.63	-5,559.74	4,414.67	7,594.12	7,451.22	142.90	53.142		
7,000.00	6,349.27	5,450.00	5,450.00	52.76	94.16	104.63	-5,559.74	4,414.67	7,620.53	7,476.98	143.55	53.085		
7,100.00	6,436.02	5,450.00	5,450.00	53.73	94.16	104.63	-5,559.74	4,414.67	7,648.16	7,503.98	144.18	53.045		
7,200.00	6,522.77	5,450.00	5,450.00	54.71	94.16	104.63	-5,559.74	4,414.67	7,676.99	7,532.20	144.79	53.022		
7,300.00	6,609.51	5,450.00	5,450.00	55.68	94.16	104.63	-5,559.74	4,414.67	7,707.01	7,561.64	145.37	53.015		
7,400.00	6,696.26	5,450.00	5,450.00	56.66	94.16	104.63	-5,559.74	4,414.67	7,738.21	7,592.27	145.94	53.024		
7,500.00	6,783.01	5,450.00	5,450.00	57.63	94.16	104.63	-5,559.74	4,414.67	7,770.57	7,624.09	146.48	53.049		
7,600.00	6,869.76	5,450.00	5,450.00	58.61	94.16	104.63	-5,559.74	4,414.67	7,804.08	7,657.08	147.00	53.089		
7,683.49	6,942.18	5,450.00	5,450.00	59.42	94.16	104.63	-5,559.74	4,414.67	7,832.92	7,685.50	147.42	53.134		
7,700.00	6,956.57	5,450.00	5,450.00	59.58	94.16	102.41	-5,559.74	4,414.67	7,838.51	7,691.01	147.50	53.144		
7,750.00	7,000.85	5,450.00	5,450.00	60.04	94.16	94.56	-5,559.74	4,414.67	7,853.03	7,705.31	147.72	53.160		
7,800.00	7,045.94	5,450.00	5,450.00	60.46	94.16	85.11	-5,559.74	4,414.67	7,863.89	7,715.96	147.93	53.160		
7,850.00	7,091.49	5,450.00	5,450.00	60.84	94.16	74.46	-5,559.74	4,414.67	7,871.00	7,722.90	148.11	53.144		
7,900.00	7,137.15	5,450.00	5,450.00	61.17	94.16	63.38	-5,559.74	4,414.67	7,874.34	7,726.09	148.25	53.115		
7,950.00	7,182.58	5,450.00	5,450.00	61.44	94.16	52.78	-5,559.74	4,414.67	7,873.87	7,725.51	148.36	53.072		
8,000.00	7,227.43	5,450.00	5,450.00	61.67	94.16	43.28	-5,559.74	4,414.67	7,869.61	7,721.17	148.44	53.017		
8,050.00	7,271.36	5,450.00	5,450.00	61.84	94.16	35.16	-5,559.74	4,414.67	7,861.57	7,713.10	148.47	52.949		
8,100.00	7,314.04	5,450.00	5,450.00	61.96	94.16	28.34	-5,559.74	4,414.67	7,849.81	7,701.34	148.48	52.869		
8,150.00	7,355.14	5,450.00	5,450.00	62.04	94.16	22.61	-5,559.74	4,414.67	7,834.41	7,685.96	148.45	52.776		
8,200.00	7,394.34	5,450.00	5,450.00	62.07	94.16	17.73	-5,559.74	4,414.67	7,815.44	7,667.06	148.39	52.670		
8,250.00	7,431.36	5,450.00	5,450.00	62.06	94.16	13.46	-5,559.74	4,414.67	7,793.04	7,644.75	148.30	52.551		
8,300.00	7,465.90	5,450.00	5,450.00	62.01	94.16	9.61	-5,559.74	4,414.67	7,767.35	7,619.18	148.18	52.419		
8,350.00	7,497.71	5,450.00	5,450.00	61.93	94.16	5.99	-5,559.74	4,414.67	7,738.53	7,590.50	148.04	52.274		
8,400.00	7,526.53	5,450.00	5,450.00	61.81	94.16	2.45	-5,559.74	4,414.67	7,706.77	7,558.89	147.88	52.116		
8,450.00	7,552.17	5,450.00	5,450.00	61.66	94.16	-1.18	-5,559.74	4,414.67	7,672.27	7,524.57	147.70	51.946		
8,500.00	7,574.41	5,450.00	5,450.00	61.48	94.16	-5.08	-5,559.74	4,414.67	7,635.26	7,487.75	147.50	51.763		
8,550.00	7,593.09	5,450.00	5,450.00	61.29	94.16	-9.45	-5,559.74	4,414.67	7,595.98	7,448.68	147.30	51.568		
8,600.00	7,608.07	5,450.00	5,450.00	61.07	94.16	-14.54	-5,559.74	4,414.67	7,554.71	7,407.62	147.09	51.361		
8,650.00	7,619.23	5,450.00	5,450.00	60.84	94.16	-20.68	-5,559.74	4,414.67	7,511.73	7,364.85	146.88	51.144		
8,700.00	7,626.48	5,450.00	5,450.00	60.60	94.16	-28.24	-5,559.74	4,414.67	7,467.33	7,320.67	146.66	50.915		
8,750.00	7,629.78	5,450.00	5,450.00	60.35	94.16	-37.56	-5,559.74	4,414.67	7,421.84	7,275.39	146.45	50.678		
8,766.45	7,630.00	5,450.00	5,450.00	60.27	94.16	-41.05	-5,559.74	4,414.67	7,406.69	7,260.31	146.38	50.597		
8,800.00	7,630.00	5,450.00	5,450.00	60.10	94.16	-41.05	-5,559.74	4,414.67	7,375.72	7,229.47	146.25	50.434		
8,900.00	7,630.00	5,450.00	5,450.00	59.61	94.16	-41.05	-5,559.74	4,414.67	7,283.56	7,137.73	145.83	49.946		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
9,000.00	7,630.00	5,450.00	5,450.00	59.15	94.16	-41.05	-5,559.74	4,414.67	7,191.60	7,046.20	145.40	49.460		
9,100.00	7,630.00	5,450.00	5,450.00	58.71	94.16	-41.05	-5,559.74	4,414.67	7,099.86	6,954.90	144.97	48.975		
9,200.00	7,630.00	5,450.00	5,450.00	58.30	94.16	-41.05	-5,559.74	4,414.67	7,008.35	6,863.82	144.53	48.491		
9,300.00	7,630.00	5,450.00	5,450.00	57.91	94.16	-41.05	-5,559.74	4,414.67	6,917.08	6,773.00	144.08	48.009		
9,400.00	7,630.00	5,450.00	5,450.00	57.54	94.16	-41.05	-5,559.74	4,414.67	6,826.05	6,682.42	143.62	47.527		
9,500.00	7,630.00	5,450.00	5,450.00	57.19	94.16	-41.05	-5,559.74	4,414.67	6,735.27	6,592.11	143.16	47.047		
9,600.00	7,630.00	5,450.00	5,450.00	56.87	94.16	-41.05	-5,559.74	4,414.67	6,644.76	6,502.07	142.69	46.569		
9,700.00	7,630.00	5,450.00	5,450.00	56.57	94.16	-41.05	-5,559.74	4,414.67	6,554.52	6,412.31	142.21	46.091		
9,800.00	7,630.00	5,450.00	5,450.00	56.30	94.16	-41.05	-5,559.74	4,414.67	6,464.57	6,322.85	141.72	45.615		
9,900.00	7,630.00	5,450.00	5,450.00	56.05	94.16	-41.05	-5,559.74	4,414.67	6,374.92	6,233.69	141.23	45.140		
10,000.00	7,630.00	5,450.00	5,450.00	55.82	94.16	-41.05	-5,559.74	4,414.67	6,285.58	6,144.86	140.73	44.666		
10,100.00	7,630.00	5,450.00	5,450.00	55.63	94.16	-41.05	-5,559.74	4,414.67	6,196.57	6,056.35	140.22	44.193		
10,200.00	7,630.00	5,450.00	5,450.00	55.46	94.16	-41.05	-5,559.74	4,414.67	6,107.90	5,968.20	139.70	43.721		
10,300.00	7,630.00	5,450.00	5,450.00	55.32	94.16	-41.05	-5,559.74	4,414.67	6,019.58	5,880.40	139.18	43.250		
10,400.00	7,630.00	5,450.00	5,450.00	55.22	94.16	-41.05	-5,559.74	4,414.67	5,931.64	5,792.98	138.66	42.779		
10,500.00	7,630.00	5,450.00	5,450.00	55.15	94.16	-41.05	-5,559.74	4,414.67	5,844.08	5,705.95	138.13	42.310		
10,600.00	7,630.00	5,450.00	5,450.00	55.14	94.16	-41.05	-5,559.74	4,414.67	5,756.93	5,619.34	137.59	41.841		
10,700.00	7,630.00	5,450.00	5,450.00	55.18	94.16	-41.05	-5,559.74	4,414.67	5,670.20	5,533.14	137.05	41.372		
10,800.00	7,630.00	5,450.00	5,450.00	55.28	94.16	-41.05	-5,559.74	4,414.67	5,583.91	5,447.40	136.51	40.904		
10,900.00	7,630.00	5,450.00	5,450.00	55.47	94.16	-41.05	-5,559.74	4,414.67	5,498.09	5,362.12	135.97	40.435		
11,000.00	7,630.00	5,450.00	5,450.00	55.74	94.16	-41.05	-5,559.74	4,414.67	5,412.76	5,277.33	135.43	39.967		
11,100.00	7,630.00	5,450.00	5,450.00	56.11	94.16	-41.05	-5,559.74	4,414.67	5,327.94	5,193.04	134.89	39.498		
11,200.00	7,630.00	5,450.00	5,450.00	56.60	94.16	-41.05	-5,559.74	4,414.67	5,243.65	5,109.29	134.36	39.028		
11,300.00	7,630.00	5,450.00	5,450.00	57.20	94.16	-41.05	-5,559.74	4,414.67	5,159.92	5,026.10	133.83	38.557		
11,400.00	7,630.00	5,450.00	5,450.00	57.91	94.16	-41.05	-5,559.74	4,414.67	5,076.78	4,943.48	133.30	38.084		
11,500.00	7,630.00	5,450.00	5,450.00	58.72	94.16	-41.05	-5,559.74	4,414.67	4,994.26	4,861.47	132.79	37.610		
11,600.00	7,630.00	5,450.00	5,450.00	59.63	94.16	-41.05	-5,559.74	4,414.67	4,912.39	4,780.10	132.29	37.133		
11,700.00	7,630.00	5,450.00	5,450.00	60.61	94.16	-41.05	-5,559.74	4,414.67	4,831.21	4,699.40	131.81	36.653		
11,800.00	7,630.00	5,450.00	5,450.00	61.67	94.16	-41.05	-5,559.74	4,414.67	4,750.74	4,619.39	131.34	36.171		
11,900.00	7,630.00	5,450.00	5,450.00	62.78	94.16	-41.05	-5,559.74	4,414.67	4,671.02	4,540.12	130.90	35.684		
12,000.00	7,630.00	5,450.00	5,450.00	63.95	94.16	-41.05	-5,559.74	4,414.67	4,592.10	4,461.62	130.48	35.193		
12,100.00	7,630.00	5,450.00	5,450.00	65.16	94.16	-41.05	-5,559.74	4,414.67	4,514.01	4,383.92	130.10	34.697		
12,200.00	7,630.00	5,450.00	5,450.00	66.41	94.16	-41.05	-5,559.74	4,414.67	4,436.81	4,307.06	129.75	34.196		
12,300.00	7,630.00	5,450.00	5,450.00	67.68	94.16	-41.05	-5,559.74	4,414.67	4,360.53	4,231.09	129.43	33.689		
12,400.00	7,630.00	5,450.00	5,450.00	68.99	94.16	-41.05	-5,559.74	4,414.67	4,285.22	4,156.06	129.17	33.176		
12,500.00	7,630.00	5,450.00	5,450.00	70.33	94.16	-41.05	-5,559.74	4,414.67	4,210.95	4,082.00	128.95	32.656		
12,600.00	7,630.00	5,450.00	5,450.00	71.68	94.16	-41.05	-5,559.74	4,414.67	4,137.76	4,008.98	128.78	32.130		
12,700.00	7,630.00	5,450.00	5,450.00	73.06	94.16	-41.05	-5,559.74	4,414.67	4,065.71	3,937.03	128.68	31.596		
12,800.00	7,630.00	5,450.00	5,450.00	74.45	94.16	-41.05	-5,559.74	4,414.67	3,994.86	3,866.23	128.63	31.056		
12,900.00	7,630.00	5,450.00	5,450.00	75.87	94.16	-41.05	-5,559.74	4,414.67	3,925.28	3,796.62	128.66	30.508		
13,000.00	7,630.00	5,450.00	5,450.00	77.29	94.16	-41.05	-5,559.74	4,414.67	3,857.05	3,728.28	128.76	29.954		
13,100.00	7,630.00	5,450.00	5,450.00	78.74	94.16	-41.05	-5,559.74	4,414.67	3,790.22	3,661.27	128.94	29.394		
13,200.00	7,630.00	5,450.00	5,450.00	80.19	94.16	-41.05	-5,559.74	4,414.67	3,724.87	3,595.67	129.21	28.829		
13,300.00	7,630.00	5,450.00	5,450.00	81.66	94.16	-41.05	-5,559.74	4,414.67	3,661.10	3,531.54	129.55	28.259		
13,400.00	7,630.00	5,450.00	5,450.00	83.14	94.16	-41.05	-5,559.74	4,414.67	3,598.97	3,468.97	129.99	27.686		
13,500.00	7,630.00	5,450.00	5,450.00	84.63	94.16	-41.05	-5,559.74	4,414.67	3,538.57	3,408.05	130.52	27.111		
13,600.00	7,630.00	5,450.00	5,450.00	86.14	94.16	-41.05	-5,559.74	4,414.67	3,480.01	3,348.86	131.15	26.535		
13,700.00	7,630.00	5,450.00	5,450.00	87.65	94.16	-41.05	-5,559.74	4,414.67	3,423.36	3,291.49	131.87	25.961		
13,800.00	7,630.00	5,450.00	5,450.00	89.17	94.16	-41.05	-5,559.74	4,414.67	3,368.73	3,236.05	132.68	25.390		
13,900.00	7,630.00	5,450.00	5,450.00	90.70	94.16	-41.05	-5,559.74	4,414.67	3,316.21	3,182.62	133.60	24.823		
14,000.00	7,630.00	5,450.00	5,450.00	92.24	94.16	-41.05	-5,559.74	4,414.67	3,265.92	3,131.31	134.61	24.263		
14,100.00	7,630.00	5,450.00	5,450.00	93.78	94.16	-41.05	-5,559.74	4,414.67	3,217.94	3,082.23	135.71	23.711		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<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 - 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	95.33	94.16	-41.05	-5,559.74	4,414.67	3,172.40	3,035.48	136.92	23.170		
14,300.00	7,630.00	5,450.00	5,450.00	96.89	94.16	-41.05	-5,559.74	4,414.67	3,129.38	2,991.17	138.21	22.642		
14,400.00	7,630.00	5,450.00	5,450.00	98.46	94.16	-41.05	-5,559.74	4,414.67	3,089.01	2,949.41	139.60	22.127		
14,500.00	7,630.00	5,450.00	5,450.00	100.03	94.16	-41.05	-5,559.74	4,414.67	3,051.38	2,910.30	141.08	21.629		
14,600.00	7,630.00	5,450.00	5,450.00	101.61	94.16	-41.05	-5,559.74	4,414.67	3,016.60	2,873.95	142.64	21.148		
14,700.00	7,630.00	5,450.00	5,450.00	103.20	94.16	-41.05	-5,559.74	4,414.67	2,984.76	2,840.47	144.29	20.686		
14,800.00	7,630.00	5,450.00	5,450.00	104.78	94.16	-41.05	-5,559.74	4,414.67	2,955.97	2,809.95	146.02	20.244		
14,900.00	7,630.00	5,450.00	5,450.00	106.38	94.16	-41.05	-5,559.74	4,414.67	2,930.30	2,782.48	147.82	19.823		
15,000.00	7,630.00	5,450.00	5,450.00	107.98	94.16	-41.05	-5,559.74	4,414.67	2,907.86	2,758.16	149.69	19.425		
15,100.00	7,630.00	5,450.00	5,450.00	109.58	94.16	-41.05	-5,559.74	4,414.67	2,888.70	2,737.07	151.63	19.051		
15,200.00	7,630.00	5,450.00	5,450.00	111.19	94.16	-41.05	-5,559.74	4,414.67	2,872.89	2,719.27	153.63	18.700		
15,300.00	7,630.00	5,450.00	5,450.00	112.81	94.16	-41.05	-5,559.74	4,414.67	2,860.50	2,704.82	155.68	18.375		
15,400.00	7,630.00	5,450.00	5,450.00	114.42	94.16	-41.05	-5,559.74	4,414.67	2,851.56	2,693.79	157.77	18.074		
15,500.00	7,630.00	5,450.00	5,450.00	116.05	94.16	-41.05	-5,559.74	4,414.67	2,846.11	2,686.21	159.90	17.800		
15,600.00	7,630.00	5,450.00	5,450.00	117.67	94.16	-41.05	-5,559.74	4,414.67	2,844.17	2,682.12	162.05	17.551		
15,605.29	7,630.00	5,450.00	5,450.00	117.76	94.16	-41.05	-5,559.74	4,414.67	2,844.16	2,682.00	162.16	17.539 CC		
15,700.00	7,630.00	5,450.00	5,450.00	119.30	94.16	-41.05	-5,559.74	4,414.67	2,845.74	2,681.52	164.22	17.329 ES		
15,800.00	7,630.00	5,450.00	5,450.00	120.93	94.16	-41.05	-5,559.74	4,414.67	2,850.82	2,684.43	166.39	17.133		
15,900.00	7,630.00	5,450.00	5,450.00	122.57	94.16	-41.05	-5,559.74	4,414.67	2,859.39	2,690.83	168.56	16.964		
16,000.00	7,630.00	5,450.00	5,450.00	124.21	94.16	-41.05	-5,559.74	4,414.67	2,871.42	2,700.71	170.71	16.821		
16,100.00	7,630.00	5,450.00	5,450.00	125.85	94.16	-41.05	-5,559.74	4,414.67	2,886.86	2,714.04	172.82	16.704		
16,200.00	7,630.00	5,450.00	5,450.00	127.50	94.16	-41.05	-5,559.74	4,414.67	2,905.67	2,730.77	174.90	16.613		
16,300.00	7,630.00	5,450.00	5,450.00	129.15	94.16	-41.05	-5,559.74	4,414.67	2,927.78	2,750.85	176.93	16.548		
16,400.00	7,630.00	5,450.00	5,450.00	130.80	94.16	-41.05	-5,559.74	4,414.67	2,953.10	2,774.21	178.90	16.507		
16,500.00	7,630.00	5,450.00	5,450.00	132.46	94.16	-41.05	-5,559.74	4,414.67	2,981.57	2,800.77	180.79	16.492 SF		
16,600.00	7,630.00	5,450.00	5,450.00	134.11	94.16	-41.05	-5,559.74	4,414.67	3,013.09	2,830.47	182.61	16.500		
16,700.00	7,630.00	5,450.00	5,450.00	135.77	94.16	-41.05	-5,559.74	4,414.67	3,047.56	2,863.21	184.35	16.531		
16,800.00	7,630.00	5,450.00	5,450.00	137.43	94.16	-41.05	-5,559.74	4,414.67	3,084.89	2,898.89	186.01	16.585		
16,900.00	7,630.00	5,450.00	5,450.00	139.10	94.16	-41.05	-5,559.74	4,414.67	3,124.98	2,937.41	187.57	16.660		
17,000.00	7,630.00	5,450.00	5,450.00	140.77	94.16	-41.05	-5,559.74	4,414.67	3,167.72	2,978.68	189.04	16.757		
17,100.00	7,630.00	5,450.00	5,450.00	142.44	94.16	-41.05	-5,559.74	4,414.67	3,213.00	3,022.59	190.42	16.874		
17,200.00	7,630.00	5,450.00	5,450.00	144.11	94.16	-41.05	-5,559.74	4,414.67	3,260.73	3,069.02	191.70	17.009		
17,300.00	7,630.00	5,450.00	5,450.00	145.78	94.16	-41.05	-5,559.74	4,414.67	3,310.78	3,117.89	192.90	17.163		
17,400.00	7,630.00	5,450.00	5,450.00	147.46	94.16	-41.05	-5,559.74	4,414.67	3,363.07	3,169.07	194.00	17.335		
17,500.00	7,630.00	5,450.00	5,450.00	149.13	94.16	-41.05	-5,559.74	4,414.67	3,417.48	3,222.46	195.02	17.524		
17,600.00	7,630.00	5,450.00	5,450.00	150.81	94.16	-41.05	-5,559.74	4,414.67	3,473.92	3,277.96	195.96	17.728		
17,700.00	7,630.00	5,450.00	5,450.00	152.49	94.16	-41.05	-5,559.74	4,414.67	3,532.29	3,335.48	196.81	17.948		
17,800.00	7,630.00	5,450.00	5,450.00	154.18	94.16	-41.05	-5,559.74	4,414.67	3,592.49	3,394.90	197.59	18.182		
17,900.00	7,630.00	5,450.00	5,450.00	155.86	94.16	-41.05	-5,559.74	4,414.67	3,654.44	3,456.14	198.30	18.429		
18,000.00	7,630.00	5,450.00	5,450.00	157.55	94.16	-41.05	-5,559.74	4,414.67	3,718.05	3,519.11	198.93	18.690		
18,100.00	7,630.00	5,450.00	5,450.00	159.24	94.16	-41.05	-5,559.74	4,414.67	3,783.23	3,583.72	199.51	18.963		
18,200.00	7,630.00	5,450.00	5,450.00	160.92	94.16	-41.05	-5,559.74	4,414.67	3,849.90	3,649.88	200.02	19.247		
18,300.00	7,630.00	5,450.00	5,450.00	162.62	94.16	-41.05	-5,559.74	4,414.67	3,918.00	3,717.52	200.48	19.543		
18,400.00	7,630.00	5,450.00	5,450.00	164.31	94.16	-41.05	-5,559.74	4,414.67	3,987.44	3,786.55	200.89	19.849		
18,458.39	7,630.00	5,450.00	5,450.00	165.30	94.16	-41.05	-5,559.74	4,414.67	4,028.58	3,827.47	201.10	20.033		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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-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	126.46	-4,237.10	5,733.47	7,129.50					
100.00	100.00	37.00	37.00	0.13	0.30	126.46	-4,237.10	5,733.47	7,129.22	7,128.79	0.43	N/A		
200.00	200.00	137.00	137.00	0.49	1.45	126.46	-4,237.10	5,733.47	7,129.22	7,127.28	1.94	3,671.973		
300.00	300.00	237.00	237.00	0.85	3.19	126.46	-4,237.10	5,733.47	7,129.22	7,125.17	4.05	1,762.336		
400.00	400.00	337.00	337.00	1.21	4.94	126.46	-4,237.10	5,733.47	7,129.22	7,123.07	6.15	1,159.388		
500.00	500.00	437.00	437.00	1.57	6.68	126.46	-4,237.10	5,733.47	7,129.22	7,120.97	8.25	863.841		
600.00	600.00	537.00	537.00	1.93	8.43	126.46	-4,237.10	5,733.47	7,129.22	7,118.86	10.36	688.366		
700.00	700.00	637.00	637.00	2.29	10.18	126.46	-4,237.10	5,733.47	7,129.22	7,116.76	12.46	572.144		
800.00	800.00	737.00	737.00	2.64	11.92	126.46	-4,237.10	5,733.47	7,129.22	7,114.65	14.56	489.499		
900.00	900.00	837.00	837.00	3.00	13.67	126.46	-4,237.10	5,733.47	7,129.22	7,112.55	16.67	427.716		
1,000.00	1,000.00	937.00	937.00	3.36	15.41	126.46	-4,237.10	5,733.47	7,129.22	7,110.45	18.77	379.781		
1,100.00	1,100.00	1,037.00	1,037.00	3.72	17.16	126.46	-4,237.10	5,733.47	7,129.22	7,108.34	20.88	341.508		
1,200.00	1,199.98	1,136.98	1,136.98	4.07	18.90	75.42	-4,237.10	5,733.47	7,128.78	7,105.80	22.98	310.274		
1,300.00	1,299.84	1,236.84	1,236.84	4.43	20.64	75.48	-4,237.10	5,733.47	7,127.46	7,102.39	25.07	284.282		
1,400.00	1,399.45	1,336.45	1,336.45	4.79	22.38	75.59	-4,237.10	5,733.47	7,125.28	7,098.11	27.17	262.274		
1,500.00	1,498.70	1,435.70	1,435.70	5.15	24.12	75.75	-4,237.10	5,733.47	7,122.24	7,092.98	29.26	243.382		
1,600.00	1,597.47	1,534.47	1,534.47	5.53	25.84	75.94	-4,237.10	5,733.47	7,118.37	7,087.01	31.36	226.968		
1,700.00	1,695.62	1,632.62	1,632.62	5.93	27.55	76.18	-4,237.10	5,733.47	7,113.69	7,080.23	33.47	212.553		
1,800.00	1,793.06	1,730.06	1,730.06	6.35	29.25	76.46	-4,237.10	5,733.47	7,108.24	7,072.66	35.58	199.773		
1,900.00	1,889.64	1,826.64	1,826.64	6.79	30.94	76.78	-4,237.10	5,733.47	7,102.05	7,064.34	37.71	188.345		
2,000.00	1,985.27	1,922.27	1,922.27	7.27	32.61	77.13	-4,237.10	5,733.47	7,095.16	7,055.32	39.85	178.049		
2,100.00	2,079.82	2,016.82	2,016.82	7.79	34.26	77.52	-4,237.10	5,733.47	7,087.63	7,045.62	42.01	168.711		
2,200.00	2,173.17	2,110.17	2,110.17	8.36	35.89	77.95	-4,237.10	5,733.47	7,079.50	7,035.31	44.19	160.192		
2,300.00	2,265.21	2,202.21	2,202.21	8.97	37.49	78.40	-4,237.10	5,733.47	7,070.84	7,024.43	46.40	152.382		
2,400.00	2,355.84	2,307.16	2,292.84	9.64	39.33	78.89	-4,237.10	5,733.47	7,061.69	7,012.81	48.89	144.446		
2,500.00	2,444.94	2,381.94	2,381.94	10.36	40.63	79.40	-4,237.10	5,733.47	7,052.14	7,001.24	50.90	138.538		
2,591.69	2,525.19	2,462.19	2,462.19	11.07	42.03	79.89	-4,237.10	5,733.47	7,043.08	6,990.08	53.01	132.867		
2,600.00	2,532.40	2,469.40	2,469.40	11.14	42.16	79.92	-4,237.10	5,733.47	7,042.25	6,989.05	53.20	132.372		
2,700.00	2,619.15	2,556.15	2,556.15	11.96	43.67	80.27	-4,237.10	5,733.47	7,032.44	6,976.91	55.53	126.650		
2,800.00	2,705.89	2,642.89	2,642.89	12.81	45.18	80.62	-4,237.10	5,733.47	7,022.96	6,965.08	57.88	121.343		
2,900.00	2,792.64	2,729.64	2,729.64	13.67	46.70	80.97	-4,237.10	5,733.47	7,013.82	6,953.57	60.25	116.417		
3,000.00	2,879.39	2,816.39	2,816.39	14.55	48.21	81.32	-4,237.10	5,733.47	7,005.02	6,942.39	62.63	111.839		
3,100.00	2,966.14	2,903.14	2,903.14	15.44	49.73	81.67	-4,237.10	5,733.47	6,996.57	6,931.53	65.04	107.580		
3,200.00	3,052.88	2,989.88	2,989.88	16.34	51.24	82.02	-4,237.10	5,733.47	6,988.45	6,921.00	67.45	103.610		
3,300.00	3,139.63	3,076.63	3,076.63	17.25	52.75	82.37	-4,237.10	5,733.47	6,980.69	6,910.82	69.87	99.905		
3,400.00	3,226.38	3,163.38	3,163.38	18.17	54.27	82.72	-4,237.10	5,733.47	6,973.27	6,900.96	72.31	96.441		
3,500.00	3,313.12	3,250.12	3,250.12	19.09	55.78	83.08	-4,237.10	5,733.47	6,966.20	6,891.45	74.75	93.198		
3,600.00	3,399.87	3,336.87	3,336.87	20.02	57.30	83.43	-4,237.10	5,733.47	6,959.47	6,882.28	77.19	90.157		
3,700.00	3,486.62	3,423.62	3,423.62	20.96	58.81	83.78	-4,237.10	5,733.47	6,953.10	6,873.45	79.65	87.300		
3,800.00	3,573.37	3,510.37	3,510.37	21.90	60.32	84.14	-4,237.10	5,733.47	6,947.07	6,864.97	82.10	84.614		
3,900.00	3,660.11	3,602.89	3,597.11	22.84	61.94	84.49	-4,237.10	5,733.47	6,941.40	6,856.74	84.67	81.985		
4,000.00	3,746.86	3,683.86	3,683.86	23.78	63.35	84.85	-4,237.10	5,733.47	6,936.08	6,849.05	87.03	79.696		
4,100.00	3,833.61	3,770.61	3,770.61	24.73	64.87	85.20	-4,237.10	5,733.47	6,931.11	6,841.61	89.50	77.441		
4,200.00	3,920.35	3,857.35	3,857.35	25.68	66.38	85.56	-4,237.10	5,733.47	6,926.50	6,834.53	91.97	75.309		
4,300.00	4,007.10	3,944.10	3,944.10	26.63	67.90	85.92	-4,237.10	5,733.47	6,922.24	6,827.79	94.45	73.291		
4,400.00	4,093.85	4,030.85	4,030.85	27.59	69.41	86.27	-4,237.10	5,733.47	6,918.34	6,821.41	96.93	71.377		
4,500.00	4,180.60	4,117.60	4,117.60	28.55	70.92	86.63	-4,237.10	5,733.47	6,914.79	6,815.38	99.41	69.561		
4,600.00	4,267.34	4,204.34	4,204.34	29.50	72.44	86.99	-4,237.10	5,733.47	6,911.60	6,809.71	101.89	67.836		
4,700.00	4,354.09	4,308.91	4,291.09	30.46	74.26	87.34	-4,237.10	5,733.47	6,908.76	6,804.08	104.68	65.999		
4,800.00	4,440.84	4,377.84	4,377.84	31.42	75.47	87.70	-4,237.10	5,733.47	6,906.28	6,799.43	106.85	64.634		
4,900.00	4,527.58	4,464.58	4,464.58	32.39	76.98	88.06	-4,237.10	5,733.47	6,904.16	6,794.83	109.34	63.147		
5,000.00	4,614.33	4,551.33	4,551.33	33.35	78.49	88.42	-4,237.10	5,733.47	6,902.40	6,790.58	111.82	61.728		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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-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	4,701.08	4,638.08	4,638.08	34.31	80.01	88.78	-4,237.10	5,733.47	6,901.00	6,786.69	114.30	60.374		
5,200.00	4,787.82	4,724.82	4,724.82	35.28	81.52	89.13	-4,237.10	5,733.47	6,899.95	6,783.16	116.79	59.080		
5,300.00	4,874.57	4,811.57	4,811.57	36.25	83.04	89.49	-4,237.10	5,733.47	6,899.26	6,779.99	119.27	57.844		
5,400.00	4,961.32	4,901.68	4,898.32	37.21	84.61	89.85	-4,237.10	5,733.47	6,898.94	6,777.12	121.82	56.633		
5,441.61	4,997.41	4,934.41	4,934.41	37.62	85.18	90.00	-4,237.10	5,733.47	6,898.90	6,776.11	122.79	56.184		
5,500.00	5,048.07	4,985.07	4,985.07	38.18	86.06	90.21	-4,237.10	5,733.47	6,898.97	6,774.72	124.24	55.528		
5,600.00	5,134.81	5,071.81	5,071.81	39.15	87.58	90.57	-4,237.10	5,733.47	6,899.35	6,772.63	126.73	54.443		
5,700.00	5,221.56	5,158.56	5,158.56	40.12	89.09	90.93	-4,237.10	5,733.47	6,900.10	6,770.89	129.21	53.403		
5,800.00	5,308.31	5,245.31	5,245.31	41.09	90.61	91.28	-4,237.10	5,733.47	6,901.21	6,769.52	131.69	52.405		
5,900.00	5,395.05	5,332.05	5,332.05	42.06	92.12	91.64	-4,237.10	5,733.47	6,902.67	6,768.50	134.17	51.447		
6,000.00	5,481.80	5,400.00	5,400.00	43.03	93.31	91.92	-4,237.10	5,733.47	6,904.52	6,768.20	136.32	50.649		
6,100.00	5,568.55	5,400.00	5,400.00	44.00	93.31	91.92	-4,237.10	5,733.47	6,907.48	6,770.22	137.26	50.323		
6,200.00	5,655.30	5,400.00	5,400.00	44.97	93.31	91.92	-4,237.10	5,733.47	6,911.89	6,773.71	138.18	50.020		
6,300.00	5,742.04	5,400.00	5,400.00	45.94	93.31	91.92	-4,237.10	5,733.47	6,917.74	6,778.66	139.08	49.739		
6,400.00	5,828.79	5,400.00	5,400.00	46.92	93.31	91.92	-4,237.10	5,733.47	6,925.03	6,785.08	139.95	49.482		
6,500.00	5,915.54	5,400.00	5,400.00	47.89	93.31	91.92	-4,237.10	5,733.47	6,933.75	6,792.95	140.80	49.246		
6,600.00	6,002.28	5,400.00	5,400.00	48.86	93.31	91.92	-4,237.10	5,733.47	6,943.91	6,802.29	141.62	49.032		
6,700.00	6,089.03	5,400.00	5,400.00	49.83	93.31	91.92	-4,237.10	5,733.47	6,955.48	6,813.07	142.42	48.839		
6,800.00	6,175.78	5,400.00	5,400.00	50.81	93.31	91.92	-4,237.10	5,733.47	6,968.47	6,825.29	143.19	48.667		
6,900.00	6,262.53	5,400.00	5,400.00	51.78	93.31	91.92	-4,237.10	5,733.47	6,982.87	6,838.94	143.93	48.515		
7,000.00	6,349.27	5,400.00	5,400.00	52.76	93.31	91.92	-4,237.10	5,733.47	6,998.67	6,854.02	144.65	48.383		
7,100.00	6,436.02	5,400.00	5,400.00	53.73	93.31	91.92	-4,237.10	5,733.47	7,015.86	6,870.52	145.34	48.271		
7,200.00	6,522.77	5,400.00	5,400.00	54.71	93.31	91.92	-4,237.10	5,733.47	7,034.43	6,888.42	146.01	48.178		
7,300.00	6,609.51	5,400.00	5,400.00	55.68	93.31	91.92	-4,237.10	5,733.47	7,054.37	6,907.72	146.65	48.103		
7,400.00	6,696.26	5,400.00	5,400.00	56.66	93.31	91.92	-4,237.10	5,733.47	7,075.66	6,928.40	147.27	48.047		
7,500.00	6,783.01	5,400.00	5,400.00	57.63	93.31	91.92	-4,237.10	5,733.47	7,098.30	6,950.45	147.86	48.008		
7,600.00	6,869.76	5,400.00	5,400.00	58.61	93.31	91.92	-4,237.10	5,733.47	7,122.28	6,973.86	148.42	47.987		
7,683.49	6,942.18	5,400.00	5,400.00	59.42	93.31	91.92	-4,237.10	5,733.47	7,143.30	6,994.43	148.87	47.983		
7,700.00	6,956.57	5,400.00	5,400.00	59.58	93.31	89.72	-4,237.10	5,733.47	7,147.38	6,998.42	148.96	47.983		
7,750.00	7,000.85	5,400.00	5,400.00	60.04	93.31	81.91	-4,237.10	5,733.47	7,157.56	7,008.37	149.19	47.976		
7,800.00	7,045.94	5,400.00	5,400.00	60.46	93.31	72.46	-4,237.10	5,733.47	7,164.45	7,015.07	149.39	47.959		
7,850.00	7,091.49	5,400.00	5,400.00	60.84	93.31	61.76	-4,237.10	5,733.47	7,168.02	7,018.49	149.54	47.935		
7,900.00	7,137.15	5,400.00	5,400.00	61.17	93.31	50.59	-4,237.10	5,733.47	7,168.24	7,018.60	149.64	47.903		
7,950.00	7,182.58	5,400.00	5,400.00	61.44	93.31	39.83	-4,237.10	5,733.47	7,165.11	7,015.41	149.69	47.865		
8,000.00	7,227.43	5,400.00	5,400.00	61.67	93.31	30.13	-4,237.10	5,733.47	7,158.64	7,008.94	149.70	47.820		
8,050.00	7,271.36	5,400.00	5,400.00	61.84	93.31	21.74	-4,237.10	5,733.47	7,148.88	6,999.22	149.66	47.769		
8,100.00	7,314.04	5,400.00	5,400.00	61.96	93.31	14.59	-4,237.10	5,733.47	7,135.89	6,986.32	149.57	47.710		
8,150.00	7,355.14	5,400.00	5,400.00	62.04	93.31	8.46	-4,237.10	5,733.47	7,119.75	6,970.32	149.43	47.645		
8,200.00	7,394.34	5,400.00	5,400.00	62.07	93.31	3.11	-4,237.10	5,733.47	7,100.56	6,951.30	149.26	47.571		
8,250.00	7,431.36	5,400.00	5,400.00	62.06	93.31	-1.70	-4,237.10	5,733.47	7,078.45	6,929.39	149.05	47.489		
8,300.00	7,465.90	5,400.00	5,400.00	62.01	93.31	-6.17	-4,237.10	5,733.47	7,053.55	6,904.74	148.81	47.399		
8,350.00	7,497.71	5,400.00	5,400.00	61.93	93.31	-10.48	-4,237.10	5,733.47	7,026.03	6,877.49	148.54	47.300		
8,400.00	7,526.53	5,400.00	5,400.00	61.81	93.31	-14.77	-4,237.10	5,733.47	6,996.06	6,847.82	148.25	47.192		
8,450.00	7,552.17	5,400.00	5,400.00	61.66	93.31	-19.18	-4,237.10	5,733.47	6,963.85	6,815.92	147.93	47.075		
8,500.00	7,574.41	5,400.00	5,400.00	61.48	93.31	-23.83	-4,237.10	5,733.47	6,929.61	6,782.02	147.60	46.949		
8,550.00	7,593.09	5,400.00	5,400.00	61.29	93.31	-28.83	-4,237.10	5,733.47	6,893.58	6,746.32	147.26	46.814		
8,600.00	7,608.07	5,400.00	5,400.00	61.07	93.31	-34.27	-4,237.10	5,733.47	6,855.99	6,709.08	146.91	46.669		
8,650.00	7,619.23	5,400.00	5,400.00	60.84	93.31	-40.20	-4,237.10	5,733.47	6,817.11	6,670.56	146.55	46.516		
8,700.00	7,626.48	5,400.00	5,400.00	60.60	93.31	-46.61	-4,237.10	5,733.47	6,777.23	6,631.02	146.21	46.354		
8,750.00	7,629.78	5,400.00	5,400.00	60.35	93.31	-53.44	-4,237.10	5,733.47	6,736.63	6,590.76	145.87	46.183		
8,766.45	7,630.00	5,400.00	5,400.00	60.27	93.31	-55.74	-4,237.10	5,733.47	6,723.16	6,577.40	145.76	46.126		
8,800.00	7,630.00	5,400.00	5,400.00	60.10	93.31	-55.74	-4,237.10	5,733.47	6,695.68	6,550.15	145.53	46.008		

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 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
8,900.00	7,630.00	5,400.00	5,400.00	59.61	93.31	-55.74	-4,237.10	5,733.47	6,614.11	6,469.25	144.86	45.657		
9,000.00	7,630.00	5,400.00	5,400.00	59.15	93.31	-55.74	-4,237.10	5,733.47	6,533.06	6,388.87	144.19	45.309		
9,100.00	7,630.00	5,400.00	5,400.00	58.71	93.31	-55.74	-4,237.10	5,733.47	6,452.53	6,309.02	143.51	44.962		
9,200.00	7,630.00	5,400.00	5,400.00	58.30	93.31	-55.74	-4,237.10	5,733.47	6,372.56	6,229.73	142.83	44.617		
9,300.00	7,630.00	5,400.00	5,400.00	57.91	93.31	-55.74	-4,237.10	5,733.47	6,293.16	6,151.02	142.15	44.273		
9,400.00	7,630.00	5,400.00	5,400.00	57.54	93.31	-55.74	-4,237.10	5,733.47	6,214.36	6,072.90	141.46	43.930		
9,500.00	7,630.00	5,400.00	5,400.00	57.19	93.31	-55.74	-4,237.10	5,733.47	6,136.17	5,995.40	140.78	43.588		
9,600.00	7,630.00	5,400.00	5,400.00	56.87	93.31	-55.74	-4,237.10	5,733.47	6,058.63	5,918.53	140.09	43.247		
9,700.00	7,630.00	5,400.00	5,400.00	56.57	93.31	-55.74	-4,237.10	5,733.47	5,981.75	5,842.33	139.42	42.905		
9,800.00	7,630.00	5,400.00	5,400.00	56.30	93.31	-55.74	-4,237.10	5,733.47	5,905.56	5,766.82	138.75	42.563		
9,900.00	7,630.00	5,400.00	5,400.00	56.05	93.31	-55.74	-4,237.10	5,733.47	5,830.10	5,692.01	138.09	42.221		
10,000.00	7,630.00	5,400.00	5,400.00	55.82	93.31	-55.74	-4,237.10	5,733.47	5,755.38	5,617.94	137.44	41.876		
10,100.00	7,630.00	5,400.00	5,400.00	55.63	93.31	-55.74	-4,237.10	5,733.47	5,681.44	5,544.64	136.80	41.530		
10,200.00	7,630.00	5,400.00	5,400.00	55.46	93.31	-55.74	-4,237.10	5,733.47	5,608.31	5,472.12	136.19	41.181		
10,300.00	7,630.00	5,400.00	5,400.00	55.32	93.31	-55.74	-4,237.10	5,733.47	5,536.01	5,400.42	135.59	40.828		
10,400.00	7,630.00	5,400.00	5,400.00	55.22	93.31	-55.74	-4,237.10	5,733.47	5,464.60	5,329.57	135.02	40.471		
10,500.00	7,630.00	5,400.00	5,400.00	55.15	93.31	-55.74	-4,237.10	5,733.47	5,394.09	5,259.60	134.49	40.109		
10,600.00	7,630.00	5,400.00	5,400.00	55.14	93.31	-55.74	-4,237.10	5,733.47	5,324.52	5,190.54	133.98	39.740		
10,700.00	7,630.00	5,400.00	5,400.00	55.18	93.31	-55.74	-4,237.10	5,733.47	5,255.94	5,122.42	133.52	39.365		
10,800.00	7,630.00	5,400.00	5,400.00	55.28	93.31	-55.74	-4,237.10	5,733.47	5,188.37	5,055.28	133.10	38.982		
10,900.00	7,630.00	5,400.00	5,400.00	55.47	93.31	-55.74	-4,237.10	5,733.47	5,121.87	4,989.15	132.73	38.589		
11,000.00	7,630.00	5,400.00	5,400.00	55.74	93.31	-55.74	-4,237.10	5,733.47	5,056.48	4,924.06	132.41	38.187		
11,100.00	7,630.00	5,400.00	5,400.00	56.11	93.31	-55.74	-4,237.10	5,733.47	4,992.22	4,860.07	132.16	37.775		
11,200.00	7,630.00	5,400.00	5,400.00	56.60	93.31	-55.74	-4,237.10	5,733.47	4,929.16	4,797.19	131.97	37.351		
11,300.00	7,630.00	5,400.00	5,400.00	57.20	93.31	-55.74	-4,237.10	5,733.47	4,867.34	4,735.49	131.85	36.915		
11,400.00	7,630.00	5,400.00	5,400.00	57.91	93.31	-55.74	-4,237.10	5,733.47	4,806.80	4,674.99	131.81	36.467		
11,500.00	7,630.00	5,400.00	5,400.00	58.72	93.31	-55.74	-4,237.10	5,733.47	4,747.60	4,615.75	131.85	36.007		
11,600.00	7,630.00	5,400.00	5,400.00	59.63	93.31	-55.74	-4,237.10	5,733.47	4,689.78	4,557.80	131.98	35.534		
11,700.00	7,630.00	5,400.00	5,400.00	60.61	93.31	-55.74	-4,237.10	5,733.47	4,633.40	4,501.20	132.20	35.049		
11,800.00	7,630.00	5,400.00	5,400.00	61.67	93.31	-55.74	-4,237.10	5,733.47	4,578.51	4,446.00	132.51	34.552		
11,900.00	7,630.00	5,400.00	5,400.00	62.78	93.31	-55.74	-4,237.10	5,733.47	4,525.17	4,392.24	132.92	34.044		
12,000.00	7,630.00	5,400.00	5,400.00	63.95	93.31	-55.74	-4,237.10	5,733.47	4,473.42	4,339.99	133.43	33.526		
12,100.00	7,630.00	5,400.00	5,400.00	65.16	93.31	-55.74	-4,237.10	5,733.47	4,423.33	4,289.29	134.04	33.000		
12,200.00	7,630.00	5,400.00	5,400.00	66.41	93.31	-55.74	-4,237.10	5,733.47	4,374.95	4,240.20	134.75	32.466		
12,300.00	7,630.00	5,400.00	5,400.00	67.68	93.31	-55.74	-4,237.10	5,733.47	4,328.34	4,192.77	135.57	31.927		
12,400.00	7,630.00	5,400.00	5,400.00	68.99	93.31	-55.74	-4,237.10	5,733.47	4,283.56	4,147.08	136.48	31.385		
12,500.00	7,630.00	5,400.00	5,400.00	70.33	93.31	-55.74	-4,237.10	5,733.47	4,240.67	4,103.17	137.50	30.841		
12,600.00	7,630.00	5,400.00	5,400.00	71.68	93.31	-55.74	-4,237.10	5,733.47	4,199.72	4,061.10	138.61	30.298		
12,700.00	7,630.00	5,400.00	5,400.00	73.06	93.31	-55.74	-4,237.10	5,733.47	4,160.76	4,020.94	139.82	29.758		
12,800.00	7,630.00	5,400.00	5,400.00	74.45	93.31	-55.74	-4,237.10	5,733.47	4,123.87	3,982.75	141.12	29.222		
12,900.00	7,630.00	5,400.00	5,400.00	75.87	93.31	-55.74	-4,237.10	5,733.47	4,089.09	3,946.58	142.51	28.694		
13,000.00	7,630.00	5,400.00	5,400.00	77.29	93.31	-55.74	-4,237.10	5,733.47	4,056.48	3,912.50	143.98	28.174		
13,100.00	7,630.00	5,400.00	5,400.00	78.74	93.31	-55.74	-4,237.10	5,733.47	4,026.09	3,880.56	145.53	27.665		
13,200.00	7,630.00	5,400.00	5,400.00	80.19	93.31	-55.74	-4,237.10	5,733.47	3,997.97	3,850.81	147.15	27.169		
13,300.00	7,630.00	5,400.00	5,400.00	81.66	93.31	-55.74	-4,237.10	5,733.47	3,972.16	3,823.32	148.84	26.687		
13,400.00	7,630.00	5,400.00	5,400.00	83.14	93.31	-55.74	-4,237.10	5,733.47	3,948.73	3,798.13	150.60	26.220		
13,500.00	7,630.00	5,400.00	5,400.00	84.63	93.31	-55.74	-4,237.10	5,733.47	3,927.70	3,775.29	152.41	25.771		
13,600.00	7,630.00	5,400.00	5,400.00	86.14	93.31	-55.74	-4,237.10	5,733.47	3,909.11	3,754.85	154.27	25.340		
13,700.00	7,630.00	5,400.00	5,400.00	87.65	93.31	-55.74	-4,237.10	5,733.47	3,893.01	3,736.84	156.17	24.929		
13,800.00	7,630.00	5,400.00	5,400.00	89.17	93.31	-55.74	-4,237.10	5,733.47	3,879.42	3,721.31	158.10	24.537		
13,900.00	7,630.00	5,400.00	5,400.00	90.70	93.31	-55.74	-4,237.10	5,733.47	3,868.36	3,708.29	160.07	24.166		
14,000.00	7,630.00	5,400.00	5,400.00	92.24	93.31	-55.74	-4,237.10	5,733.47	3,859.87	3,697.80	162.06	23.817		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
14,100.00	7,630.00	5,400.00	5,400.00	93.78	93.31	-55.74	-4,237.10	5,733.47	3,853.95	3,689.88	164.07	23.490		
14,200.00	7,630.00	5,400.00	5,400.00	95.33	93.31	-55.74	-4,237.10	5,733.47	3,850.62	3,684.54	166.09	23.185		
14,278.23	7,630.00	5,400.00	5,400.00	96.55	93.31	-55.74	-4,237.10	5,733.47	3,849.83	3,682.16	167.66	22.961 CC		
14,300.00	7,630.00	5,400.00	5,400.00	96.89	93.31	-55.74	-4,237.10	5,733.47	3,849.89	3,681.78	168.10	22.902		
14,400.00	7,630.00	5,400.00	5,400.00	98.46	93.31	-55.74	-4,237.10	5,733.47	3,851.75	3,681.63	170.12	22.642 ES		
14,500.00	7,630.00	5,400.00	5,400.00	100.03	93.31	-55.74	-4,237.10	5,733.47	3,856.21	3,684.08	172.12	22.404		
14,600.00	7,630.00	5,400.00	5,400.00	101.61	93.31	-55.74	-4,237.10	5,733.47	3,863.25	3,689.14	174.11	22.188		
14,700.00	7,630.00	5,400.00	5,400.00	103.20	93.31	-55.74	-4,237.10	5,733.47	3,872.86	3,696.78	176.08	21.995		
14,800.00	7,630.00	5,400.00	5,400.00	104.78	93.31	-55.74	-4,237.10	5,733.47	3,885.02	3,707.00	178.02	21.823		
14,900.00	7,630.00	5,400.00	5,400.00	106.38	93.31	-55.74	-4,237.10	5,733.47	3,899.71	3,719.78	179.93	21.674		
15,000.00	7,630.00	5,400.00	5,400.00	107.98	93.31	-55.74	-4,237.10	5,733.47	3,916.90	3,735.10	181.80	21.545		
15,100.00	7,630.00	5,400.00	5,400.00	109.58	93.31	-55.74	-4,237.10	5,733.47	3,936.56	3,752.92	183.63	21.437		
15,200.00	7,630.00	5,400.00	5,400.00	111.19	93.31	-55.74	-4,237.10	5,733.47	3,958.64	3,773.22	185.42	21.350		
15,300.00	7,630.00	5,400.00	5,400.00	112.81	93.31	-55.74	-4,237.10	5,733.47	3,983.11	3,795.96	187.16	21.282		
15,400.00	7,630.00	5,400.00	5,400.00	114.42	93.31	-55.74	-4,237.10	5,733.47	4,009.93	3,821.09	188.84	21.234		
15,500.00	7,630.00	5,400.00	5,400.00	116.05	93.31	-55.74	-4,237.10	5,733.47	4,039.05	3,848.57	190.48	21.205		
15,600.00	7,630.00	5,400.00	5,400.00	117.67	93.31	-55.74	-4,237.10	5,733.47	4,070.41	3,878.36	192.05	21.194 SF		
15,700.00	7,630.00	5,400.00	5,400.00	119.30	93.31	-55.74	-4,237.10	5,733.47	4,103.97	3,910.40	193.57	21.201		
15,800.00	7,630.00	5,400.00	5,400.00	120.93	93.31	-55.74	-4,237.10	5,733.47	4,139.68	3,944.64	195.04	21.225		
15,900.00	7,630.00	5,400.00	5,400.00	122.57	93.31	-55.74	-4,237.10	5,733.47	4,177.48	3,981.03	196.44	21.266		
16,000.00	7,630.00	5,400.00	5,400.00	124.21	93.31	-55.74	-4,237.10	5,733.47	4,217.31	4,019.52	197.79	21.323		
16,100.00	7,630.00	5,400.00	5,400.00	125.85	93.31	-55.74	-4,237.10	5,733.47	4,259.11	4,060.04	199.07	21.395		
16,200.00	7,630.00	5,400.00	5,400.00	127.50	93.31	-55.74	-4,237.10	5,733.47	4,302.83	4,102.54	200.30	21.482		
16,300.00	7,630.00	5,400.00	5,400.00	129.15	93.31	-55.74	-4,237.10	5,733.47	4,348.42	4,146.95	201.47	21.584		
16,400.00	7,630.00	5,400.00	5,400.00	130.80	93.31	-55.74	-4,237.10	5,733.47	4,395.80	4,193.23	202.58	21.700		
16,500.00	7,630.00	5,400.00	5,400.00	132.46	93.31	-55.74	-4,237.10	5,733.47	4,444.93	4,241.30	203.63	21.829		
16,600.00	7,630.00	5,400.00	5,400.00	134.11	93.31	-55.74	-4,237.10	5,733.47	4,495.75	4,291.12	204.63	21.970		
16,700.00	7,630.00	5,400.00	5,400.00	135.77	93.31	-55.74	-4,237.10	5,733.47	4,548.20	4,342.63	205.57	22.125		
16,800.00	7,630.00	5,400.00	5,400.00	137.43	93.31	-55.74	-4,237.10	5,733.47	4,602.23	4,395.76	206.46	22.291		
16,900.00	7,630.00	5,400.00	5,400.00	139.10	93.31	-55.74	-4,237.10	5,733.47	4,657.77	4,450.47	207.30	22.468		
17,000.00	7,630.00	5,400.00	5,400.00	140.77	93.31	-55.74	-4,237.10	5,733.47	4,714.79	4,506.69	208.10	22.657		
17,100.00	7,630.00	5,400.00	5,400.00	142.44	93.31	-55.74	-4,237.10	5,733.47	4,773.21	4,564.37	208.84	22.856		
17,200.00	7,630.00	5,400.00	5,400.00	144.11	93.31	-55.74	-4,237.10	5,733.47	4,833.00	4,623.46	209.54	23.065		
17,300.00	7,630.00	5,400.00	5,400.00	145.78	93.31	-55.74	-4,237.10	5,733.47	4,894.11	4,683.91	210.20	23.283		
17,400.00	7,630.00	5,400.00	5,400.00	147.46	93.31	-55.74	-4,237.10	5,733.47	4,956.47	4,745.66	210.81	23.512		
17,500.00	7,630.00	5,400.00	5,400.00	149.13	93.31	-55.74	-4,237.10	5,733.47	5,020.06	4,808.67	211.38	23.748		
17,600.00	7,630.00	5,400.00	5,400.00	150.81	93.31	-55.74	-4,237.10	5,733.47	5,084.81	4,872.89	211.92	23.994		
17,700.00	7,630.00	5,400.00	5,400.00	152.49	93.31	-55.74	-4,237.10	5,733.47	5,150.70	4,938.28	212.42	24.248		
17,800.00	7,630.00	5,400.00	5,400.00	154.18	93.31	-55.74	-4,237.10	5,733.47	5,217.67	5,004.78	212.89	24.509		
17,900.00	7,630.00	5,400.00	5,400.00	155.86	93.31	-55.74	-4,237.10	5,733.47	5,285.68	5,072.36	213.32	24.778		
18,000.00	7,630.00	5,400.00	5,400.00	157.55	93.31	-55.74	-4,237.10	5,733.47	5,354.69	5,140.97	213.72	25.055		
18,100.00	7,630.00	5,400.00	5,400.00	159.24	93.31	-55.74	-4,237.10	5,733.47	5,424.68	5,210.58	214.09	25.338		
18,200.00	7,630.00	5,400.00	5,400.00	160.92	93.31	-55.74	-4,237.10	5,733.47	5,495.59	5,281.15	214.44	25.628		
18,300.00	7,630.00	5,400.00	5,400.00	162.62	93.31	-55.74	-4,237.10	5,733.47	5,567.39	5,352.63	214.75	25.925		
18,400.00	7,630.00	5,400.00	5,400.00	164.31	93.31	-55.74	-4,237.10	5,733.47	5,640.05	5,425.00	215.05	26.227		
18,458.39	7,630.00	5,400.00	5,400.00	165.30	93.31	-55.74	-4,237.10	5,733.47	5,682.86	5,467.66	215.21	26.407		

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

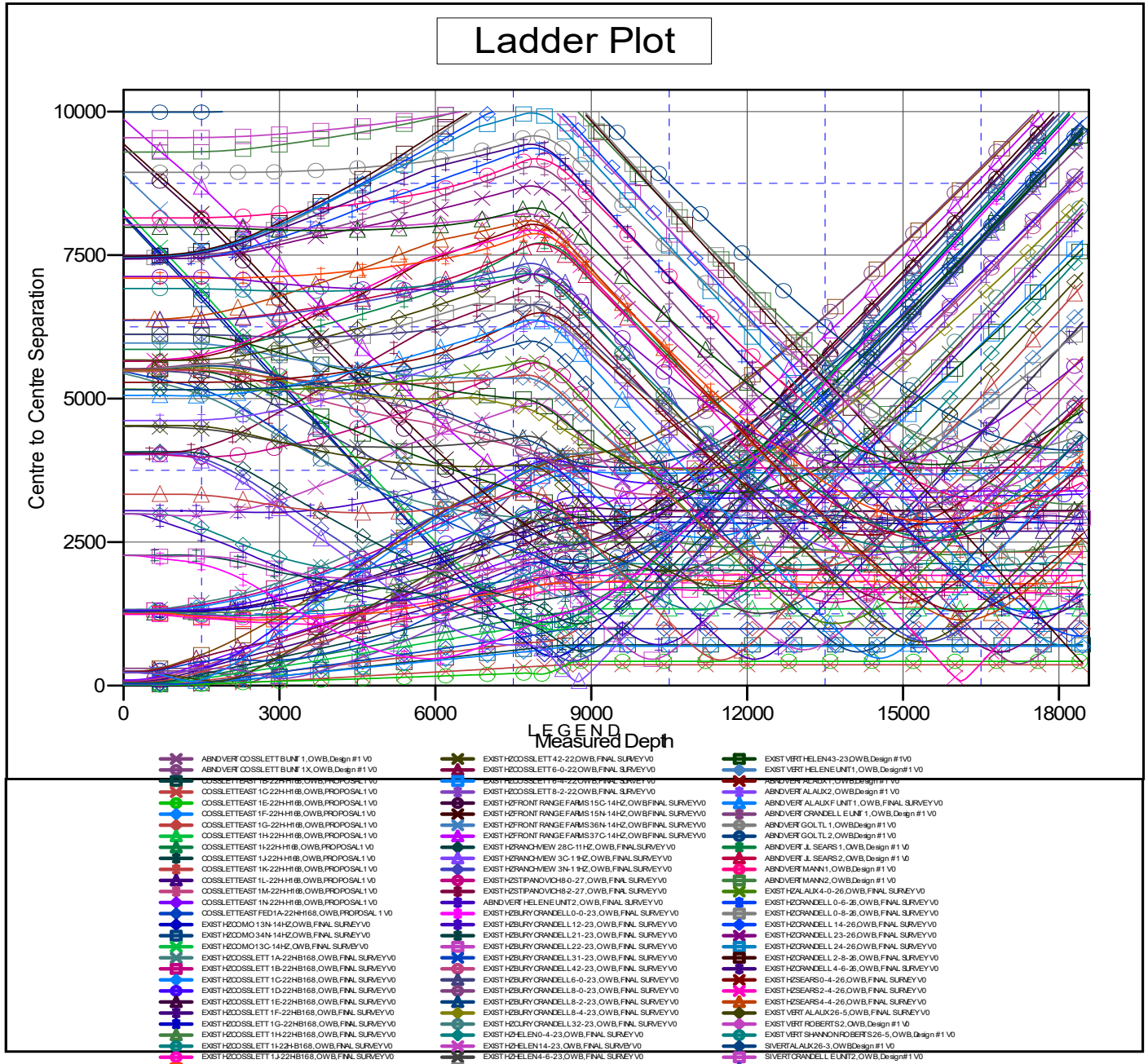


## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Reference Depths are relative to KB 25' @ 5208.00usft  
Offset Depths are relative to Offset Datum  
Central Meridian is 105.500000°W

Coordinates are relative to: COSSLETT EAST 1D-22H-H168  
Coordinate System is US State Plane 1983, Colorado Northern Zone  
Grid Convergence at Surface is: 0.33°



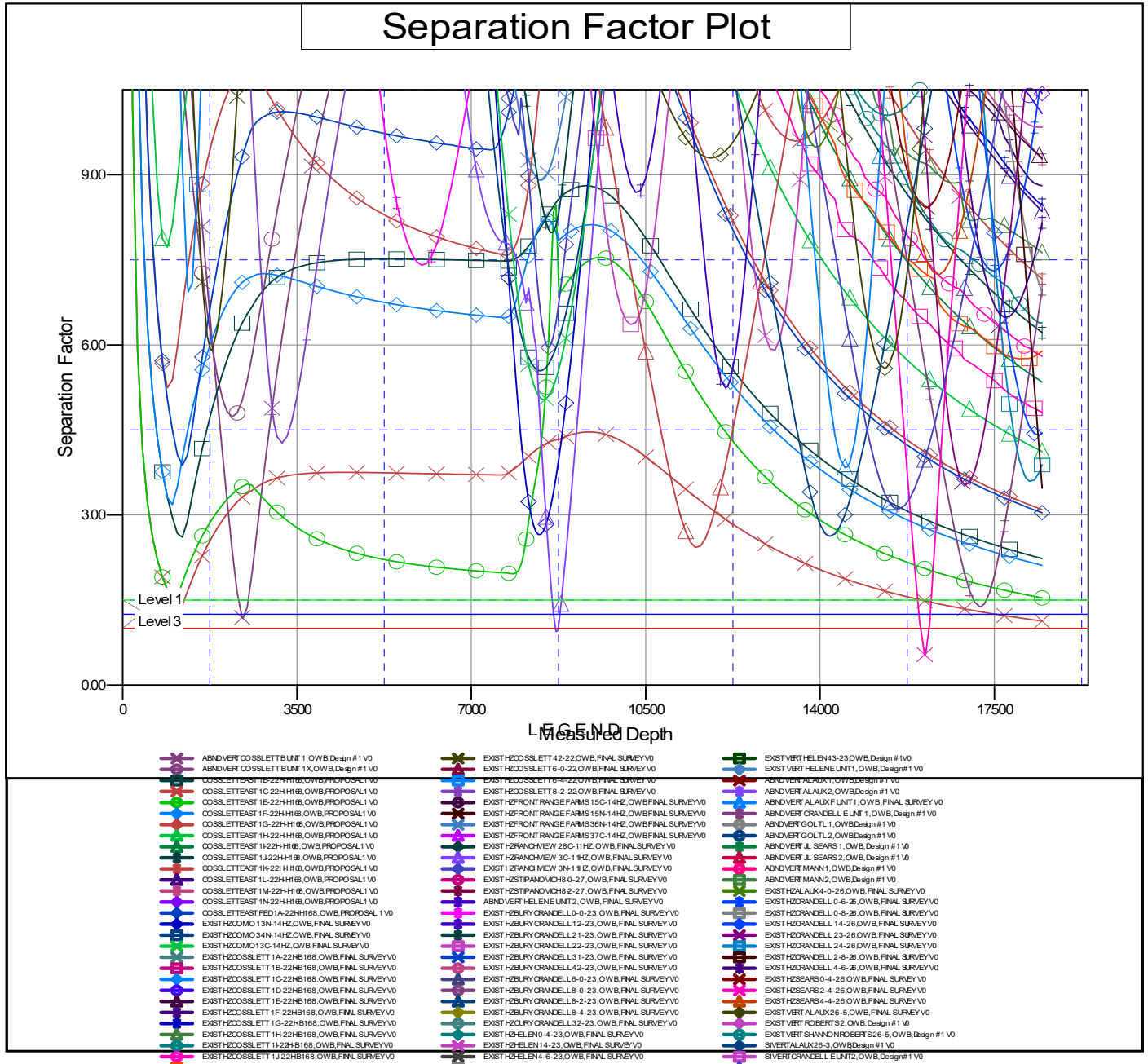
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well COSSLETT EAST 1D-22H-H168
<b>Project:</b>	WELD COUNTY	<b>TVD Reference:</b>	KB 25' @ 5208.00usft
<b>Reference Site:</b>	SEC 22-T1N-R68W	<b>MD Reference:</b>	KB 25' @ 5208.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	COSSLETT EAST 1D-22H-H168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<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