

# **CRESTONE PEAK RESOURCES**

**ARAPAHOE COUNTY**

**SEC 2-T4S-R65W**

**PROPERTY RESERVE 4-65 3-4 4AH**

**OWB**

**PROPOSAL 1**

## **Anticollision Report**

**17 August, 2022**

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<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>	MD Interval 100.00usft	<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>	8/17/2022		
<b>From (usft)</b>	<b>To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
0.00	18,101.25	PROPOSAL 1 (OWB)	MWD OWSG	OWSG MWD - Standard

<b>Summary</b>						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
SEC 2-T4S-R65W						
EXIST HZ PROSPER FARMS 4-65 2-1 4AH - OWB - FIN	2,378.58	2,398.40	351.66	334.76	20.804	CC
EXIST HZ PROSPER FARMS 4-65 2-1 4AH - OWB - FIN	6,200.00	6,226.33	366.18	322.03	8.295	ES
EXIST HZ PROSPER FARMS 4-65 2-1 4AH - OWB - FIN	6,500.00	6,508.05	375.66	329.49	8.136	SF
EXIST HZ PROSPER FARMS 4-65 2-1 4CH - OWB - FIN	3,037.32	3,057.18	313.98	292.40	14.548	CC
EXIST HZ PROSPER FARMS 4-65 2-1 4CH - OWB - FIN	4,500.00	4,519.23	319.18	287.12	9.957	ES
EXIST HZ PROSPER FARMS 4-65 2-1 4CH - OWB - FIN	5,400.00	5,407.65	330.67	292.23	8.604	SF
PROPERTY RESERVE 4-65 3-4 1AH - OWB - PROPOS	100.00	99.70	59.74	59.47	222.539	CC, ES
PROPERTY RESERVE 4-65 3-4 1AH - OWB - PROPOS	18,101.25	18,644.08	3,503.40	2,932.69	6.139	SF
PROPERTY RESERVE 4-65 3-4 1BH - OWB - PROPOS	100.00	100.20	39.71	39.44	147.291	CC, ES
PROPERTY RESERVE 4-65 3-4 1BH - OWB - PROPOS	18,101.25	18,562.18	2,933.11	2,362.37	5.139	SF
PROPERTY RESERVE 4-65 3-4 3BH - OWB - PROPOS	100.00	100.10	20.03	19.77	74.420	CC, ES
PROPERTY RESERVE 4-65 3-4 3BH - OWB - PROPOS	18,101.25	18,048.92	703.24	135.81	1.239	Level 2, SF
PROSPER FARMS 4-65 2-1-6 1AH - OWB - PROPOSAL	391.53	391.02	5.72	3.35	2.417	CC, ES
PROSPER FARMS 4-65 2-1-6 1AH - OWB - PROPOSAL	400.00	399.43	5.81	3.38	2.391	SF
PROSPER FARMS 4-65 2-1-6 1BH - OWB - PROPOSAL	625.99	626.55	9.24	5.15	2.259	CC, ES, SF
PROSPER FARMS 4-65 2-1-6 2AH - OWB - PROPOSAL	838.47	840.46	7.86	2.20	1.387	Level 3, CC, ES, SF
PROSPER FARMS 4-65 2-1-6 2BH - OWB - PROPOSAL	1,038.33	1,041.84	2.26	-4.90	0.316	Level 1, CC, ES, SF
PROSPER FARMS 4-65 2-1-6 3AH - OWB - PROPOSAL	1,300.68	1,304.19	23.78	14.69	2.616	CC, ES, SF
PROSPER FARMS 4-65 2-1-6 3BH - OWB - PROPOSAL	1,620.06	1,620.70	77.13	65.74	6.775	CC
PROSPER FARMS 4-65 2-1-6 3BH - OWB - PROPOSAL	1,700.00	1,700.29	77.48	65.52	6.478	ES
PROSPER FARMS 4-65 2-1-6 3BH - OWB - PROPOSAL	7,831.08	7,875.31	226.76	167.39	3.820	SF
PROSPER FARMS 4-65 2-1-6 3CH - OWB - PROPOSAL	838.87	835.98	129.11	123.54	23.173	CC
PROSPER FARMS 4-65 2-1-6 3CH - OWB - PROPOSAL	900.00	896.31	129.30	123.30	21.545	ES
PROSPER FARMS 4-65 2-1-6 3CH - OWB - PROPOSAL	7,800.00	7,850.78	436.46	377.56	7.410	SF

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<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 3-T4S-R65W						
EXIST HZ PROPERTY RESERVE 4-65 3-4 1H - OWB -	10,641.51	9,652.75	698.69	553.33	4.807	CC
EXIST HZ PROPERTY RESERVE 4-65 3-4 1H - OWB -	17,973.49	16,991.16	725.18	204.71	1.393	Level 3, ES, SF
EXIST HZ PROPERTY RESERVE 4-65 3-4 2AH - OWB	4,938.56	4,909.42	1,706.37	1,671.36	48.751	CC
EXIST HZ PROPERTY RESERVE 4-65 3-4 2AH - OWB	5,000.00	4,950.27	1,706.72	1,671.35	48.255	ES
EXIST HZ PROPERTY RESERVE 4-65 3-4 2AH - OWB	18,101.25	17,453.00	2,377.23	1,832.10	4.361	SF
EXIST HZ PROPERTY RESERVE 4-65 3-4 2BH - OWB	5,218.17	5,190.16	1,685.35	1,648.29	45.479	CC
EXIST HZ PROPERTY RESERVE 4-65 3-4 2BH - OWB	18,000.00	17,746.19	2,033.17	1,484.79	3.708	ES
EXIST HZ PROPERTY RESERVE 4-65 3-4 2BH - OWB	18,101.25	17,798.98	2,037.95	1,486.00	3.692	SF
EXIST HZ PROPERTY RESERVE 4-65 3-4 2CH - OWB	6,696.68	6,710.98	1,611.64	1,563.49	33.471	CC
EXIST HZ PROPERTY RESERVE 4-65 3-4 2CH - OWB	18,101.25	17,762.00	1,713.49	1,158.14	3.085	ES, SF
EXIST HZ PROPERTY RESERVE 4-65 3-4 2DH - OWB	9,151.27	8,882.90	1,353.58	1,262.12	14.800	CC
EXIST HZ PROPERTY RESERVE 4-65 3-4 2DH - OWB	18,101.25	17,818.43	1,446.84	893.42	2.614	ES, SF

Offset Design													SEC 2-T4S-R65W - EXIST HZ PROSPER FARMS 4-65 2-1 4AH - OWB - FINAL SURVEY		Offset Site Error:		0.00 usft	
Survey Program: 63-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)		+N/-S (usft)	+E/-W (usft)										
0.00	0.00	26.32	26.32	0.00	0.03	-179.33	-370.86	-4.34	370.89									
100.00	100.00	124.38	124.36	0.13	0.29	-179.02	-371.48	-6.36	371.55	371.12	0.42	877.231						
200.00	199.98	224.55	224.49	0.49	0.65	-61.21	-372.23	-8.83	371.50	370.37	1.14	327.284						
300.00	299.87	324.70	324.61	0.85	1.01	-61.47	-372.94	-11.28	370.03	368.18	1.86	199.472						
400.00	399.75	424.82	424.70	1.21	1.37	-61.78	-373.59	-13.65	368.37	365.79	2.58	142.842						
500.00	499.63	524.64	524.49	1.58	1.74	-62.09	-374.26	-15.98	366.75	363.45	3.30	111.023						
600.00	599.51	624.72	624.53	1.94	2.10	-62.38	-374.91	-18.48	365.12	361.09	4.03	90.603						
700.00	699.39	724.71	724.49	2.31	2.46	-62.68	-375.57	-20.93	363.50	358.74	4.76	76.420						
800.00	799.27	824.64	824.39	2.68	2.82	-62.98	-376.20	-23.42	361.87	356.38	5.48	65.993						
900.00	899.15	923.90	923.62	3.05	3.18	-63.30	-376.92	-25.75	360.34	354.13	6.21	58.045						
1,000.00	999.03	1,021.44	1,021.13	3.42	3.53	-63.68	-378.01	-27.63	359.22	352.30	6.92	51.889						
1,100.00	1,098.91	1,120.61	1,120.29	3.79	3.88	-64.26	-379.67	-28.32	358.71	351.07	7.64	46.958						
1,200.00	1,198.78	1,221.65	1,221.31	4.16	4.24	-64.85	-381.25	-29.07	358.14	349.78	8.36	42.822						
1,300.00	1,298.66	1,321.87	1,321.53	4.52	4.59	-65.40	-382.61	-30.00	357.38	348.29	9.09	39.325						
1,400.00	1,398.54	1,421.86	1,421.50	4.89	4.95	-65.96	-383.92	-30.95	356.60	346.79	9.81	36.343						
1,500.00	1,498.42	1,521.56	1,521.18	5.26	5.31	-66.50	-385.25	-31.95	355.89	345.35	10.54	33.779						
1,600.00	1,598.30	1,621.43	1,621.04	5.63	5.67	-67.06	-386.65	-32.87	355.28	344.02	11.26	31.551						
1,700.00	1,698.18	1,721.64	1,721.23	6.00	6.02	-67.66	-387.98	-33.60	354.64	342.65	11.99	29.588						
1,800.00	1,798.06	1,821.54	1,821.13	6.37	6.38	-68.28	-389.26	-34.20	354.01	341.30	12.71	27.853						
1,900.00	1,897.94	1,921.34	1,920.92	6.74	6.74	-68.91	-390.55	-34.74	353.45	340.01	13.43	26.311						
2,000.00	1,997.82	2,021.37	2,020.94	7.11	7.09	-69.54	-391.87	-35.27	352.95	338.79	14.16	24.929						
2,100.00	2,097.70	2,121.47	2,121.03	7.48	7.45	-70.19	-393.12	-35.74	352.43	337.55	14.88	23.679						
2,200.00	2,197.58	2,220.92	2,220.47	7.84	7.81	-70.82	-394.38	-36.35	351.96	336.35	15.61	22.549						
2,300.00	2,297.46	2,320.28	2,319.80	8.21	8.16	-71.29	-396.03	-37.81	351.78	335.44	16.33	21.537						
2,378.58	2,375.94	2,398.40	2,397.91	8.50	8.44	-71.73	-397.27	-38.58	351.66	334.76	16.90	20.804	CC					
2,400.00	2,397.33	2,419.19	2,418.70	8.58	8.52	-71.85	-397.64	-38.76	351.68	334.62	17.06	20.618						
2,500.00	2,497.21	2,519.18	2,518.66	8.95	8.88	-72.41	-399.74	-39.67	352.09	334.31	17.78	19.799						
2,563.62	2,560.75	2,583.57	2,583.05	9.19	9.10	-72.87	-400.69	-39.70	352.08	333.83	18.24	19.298						
2,600.00	2,597.09	2,618.74	2,618.21	9.32	9.22	-73.20	-401.18	-39.20	352.14	333.64	18.50	19.036						
2,700.00	2,696.97	2,718.47	2,717.88	9.69	9.56	-74.42	-402.57	-36.03	352.77	333.57	19.21	18.368						
2,800.00	2,796.85	2,818.90	2,818.26	10.06	9.90	-75.61	-403.66	-33.16	353.19	333.28	19.91	17.737						

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 2-T4S-R65W - EXIST HZ PROSPER FARMS 4-65 2-1 4AH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 63-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
2,900.00	2,896.73	2,918.95	2,918.27	10.43	10.23	-76.73	-404.79	-30.70	353.71	333.09	20.62	17.154		
3,000.00	2,996.61	3,018.68	3,017.97	10.80	10.57	-77.80	-405.92	-28.50	354.29	332.96	21.33	16.610		
3,100.00	3,096.49	3,117.39	3,116.64	11.17	10.91	-78.90	-407.10	-26.01	355.14	333.10	22.04	16.117		
3,200.00	3,196.37	3,219.42	3,218.59	11.53	11.25	-80.28	-407.77	-21.99	356.06	333.31	22.75	15.650		
3,300.00	3,296.25	3,318.91	3,317.96	11.90	11.59	-81.77	-407.76	-17.31	356.79	333.33	23.46	15.210		
3,400.00	3,396.13	3,419.44	3,418.40	12.27	11.93	-83.20	-407.79	-12.98	357.66	333.50	24.17	14.798		
3,500.00	3,496.01	3,518.59	3,517.49	12.64	12.26	-84.50	-408.05	-9.37	358.72	333.85	24.88	14.419		
3,600.00	3,595.88	3,619.87	3,618.71	13.01	12.61	-85.75	-408.24	-6.14	359.71	334.12	25.60	14.054		
3,700.00	3,695.76	3,719.24	3,718.05	13.38	12.95	-86.89	-408.56	-3.48	360.79	334.48	26.31	13.714		
3,800.00	3,795.64	3,819.40	3,818.18	13.75	13.29	-87.97	-408.95	-1.24	361.87	334.85	27.02	13.391		
3,900.00	3,895.52	3,921.19	3,919.96	14.12	13.64	-89.01	-409.53	0.85	363.17	335.42	27.75	13.089		
4,000.00	3,995.40	4,025.89	4,024.61	14.49	14.00	-90.30	-407.95	3.43	362.91	334.44	28.47	12.746		
4,100.00	4,095.28	4,124.66	4,123.34	14.86	14.34	-91.43	-406.55	5.32	362.65	333.47	29.18	12.428		
4,116.92	4,112.18	4,141.38	4,140.07	14.92	14.39	-91.61	-406.37	5.58	362.64	333.34	29.30	12.377		
4,200.00	4,195.16	4,224.30	4,222.97	15.22	14.68	-92.46	-405.67	6.65	362.71	332.82	29.89	12.135		
4,300.00	4,295.04	4,324.53	4,323.20	15.59	15.02	-93.40	-405.00	7.45	362.80	332.20	30.60	11.856		
4,400.00	4,394.92	4,422.97	4,421.63	15.96	15.36	-94.27	-404.57	7.98	363.03	331.72	31.31	11.595		
4,500.00	4,494.80	4,521.71	4,520.37	16.33	15.70	-95.01	-404.98	8.07	363.82	331.80	32.03	11.360		
4,600.00	4,594.68	4,620.84	4,619.50	16.70	16.05	-95.63	-405.95	7.65	364.87	332.13	32.75	11.143		
4,700.00	4,694.56	4,720.37	4,719.03	17.07	16.41	-96.37	-406.67	7.93	366.15	332.69	33.47	10.941		
4,800.00	4,794.43	4,828.07	4,826.73	17.44	16.78	-97.24	-406.38	8.15	366.64	332.43	34.21	10.718		
4,900.00	4,894.31	4,929.31	4,927.95	17.81	17.12	-98.13	-404.68	7.85	365.75	330.83	34.92	10.474		
5,000.00	4,994.19	5,027.86	5,026.48	18.18	17.46	-98.99	-403.07	7.52	364.96	329.34	35.62	10.245		
5,088.23	5,082.32	5,114.12	5,112.74	18.50	17.75	-99.73	-401.99	7.39	364.71	328.46	36.25	10.062		
5,100.00	5,094.07	5,125.76	5,124.37	18.55	17.79	-99.83	-401.87	7.40	364.71	328.38	36.33	10.039		
5,200.00	5,193.95	5,224.86	5,223.47	18.91	18.13	-100.75	-400.69	7.84	364.92	327.89	37.04	9.853		
5,300.00	5,293.83	5,324.93	5,323.51	19.28	18.48	-101.82	-398.97	8.98	365.27	327.52	37.75	9.677		
5,400.00	5,393.71	5,424.52	5,423.09	19.65	18.82	-102.90	-397.13	10.24	365.72	327.26	38.46	9.510		
5,500.00	5,493.59	5,524.21	5,522.76	20.02	19.16	-103.96	-395.49	11.42	366.40	327.23	39.17	9.355		
5,600.00	5,593.47	5,625.79	5,624.31	20.39	19.51	-105.01	-393.69	12.41	366.97	327.09	39.88	9.201		
5,700.00	5,693.35	5,726.64	5,725.13	20.76	19.86	-106.09	-391.37	13.13	367.10	326.50	40.60	9.042		
5,800.00	5,793.23	5,825.73	5,824.19	21.13	20.20	-107.13	-389.22	13.80	367.43	326.12	41.30	8.895		
5,900.00	5,893.11	5,926.87	5,925.31	21.50	20.55	-108.14	-387.22	14.32	367.88	325.87	42.02	8.755		
6,000.00	5,992.99	6,030.14	6,028.55	21.87	20.91	-109.17	-384.67	14.28	367.72	324.98	42.74	8.604		
6,100.00	6,092.86	6,132.78	6,131.12	22.24	21.26	-110.30	-381.02	13.97	366.75	323.30	43.45	8.441		
6,176.11	6,168.88	6,204.46	6,202.76	22.52	21.51	-111.14	-378.26	13.95	366.11	322.13	43.98	8.324		
6,200.00	6,192.74	6,226.33	6,224.60	22.60	21.59	-111.41	-377.48	14.19	366.18	322.03	44.15	8.295 ES		
6,300.00	6,292.62	6,319.41	6,317.61	22.97	21.91	-112.67	-374.41	16.51	367.79	322.96	44.83	8.204		
6,400.00	6,392.50	6,415.45	6,413.51	23.34	22.25	-114.11	-371.30	20.57	371.01	325.49	45.52	8.151		
6,500.00	6,492.38	6,508.05	6,505.92	23.71	22.57	-115.58	-368.41	25.78	375.66	329.49	46.17	8.136 SF		
6,600.00	6,592.26	6,599.44	6,597.03	24.08	22.89	-117.04	-366.45	32.61	382.65	335.85	46.80	8.176		
6,700.00	6,692.14	6,692.92	6,690.13	24.45	23.22	-118.46	-365.48	40.96	391.73	344.29	47.44	8.258		
6,800.00	6,792.02	6,786.71	6,783.42	24.82	23.56	-119.91	-364.68	50.63	402.34	354.27	48.07	8.370		
6,900.00	6,891.90	6,880.95	6,876.97	25.19	23.90	-121.44	-363.52	61.92	414.45	365.75	48.70	8.510		
7,000.00	6,991.78	6,966.38	6,961.49	25.56	24.21	-122.97	-361.82	74.16	428.60	379.42	49.18	8.715		
7,100.00	7,091.66	7,053.50	7,047.19	25.93	24.52	-124.60	-360.37	89.81	446.40	396.73	49.67	8.988		
7,200.00	7,191.54	7,145.96	7,137.77	26.29	24.87	-126.37	-358.17	108.16	466.03	415.79	50.24	9.276		
7,300.00	7,291.41	7,240.74	7,230.33	26.66	25.22	-128.25	-354.68	128.26	486.86	436.00	50.85	9.574		
7,400.00	7,390.63	7,334.60	7,321.98	27.05	25.58	-130.29	-351.40	148.22	514.48	462.99	51.49	9.992		
7,500.00	7,486.41	7,409.01	7,394.59	27.49	25.87	-133.43	-349.27	164.33	558.31	506.45	51.86	10.766		
7,600.00	7,575.82	7,450.71	7,434.83	27.98	26.03	-135.88	-348.28	175.22	620.25	568.56	51.69	11.999		
7,700.00	7,656.17	7,480.58	7,463.18	28.54	26.15	-149.57	-347.31	184.59	697.72	646.27	51.46	13.559		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 2-T4S-R65W - EXIST HZ PROSPER FARMS 4-65 2-1 4AH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 63-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
7,800.00	7,724.99	7,507.00	7,487.86	29.19	26.26	-142.02	-346.29	193.94	786.28	734.85	51.43	15.287		
7,900.00	7,780.22	7,507.00	7,487.86	29.99	26.26	-119.18	-346.29	193.94	881.34	830.21	51.13	17.236		
8,000.00	7,820.15	7,507.00	7,487.86	30.95	26.26	-72.47	-346.29	193.94	979.26	928.12	51.13	19.151		
8,100.00	7,843.59	7,507.00	7,487.86	32.08	26.26	-37.11	-346.29	193.94	1,076.69	1,025.32	51.37	20.960		
8,200.00	7,850.00	7,507.00	7,487.86	33.35	26.26	-23.74	-346.29	193.94	1,171.22	1,119.46	51.77	22.624		
8,300.00	7,850.00	7,507.00	7,487.86	34.77	26.26	-23.74	-346.29	193.94	1,264.91	1,212.74	52.17	24.246		
8,400.00	7,850.00	7,469.53	7,452.74	36.34	26.11	-22.13	-347.69	180.97	1,357.94	1,305.94	52.00	26.115		
8,500.00	7,850.00	7,459.45	7,443.16	38.03	26.07	-21.73	-348.02	177.83	1,452.35	1,400.16	52.19	27.828		
8,600.00	7,850.00	7,450.25	7,434.39	39.84	26.03	-21.36	-348.29	175.09	1,547.27	1,494.91	52.36	29.549		
8,700.00	7,850.00	7,412.00	7,397.50	41.74	25.88	-19.95	-349.21	165.03	1,643.58	1,591.40	52.18	31.496		
8,800.00	7,850.00	7,412.00	7,397.50	43.72	25.88	-19.95	-349.21	165.03	1,738.91	1,686.48	52.43	33.167		
8,900.00	7,850.00	7,412.00	7,397.50	45.78	25.88	-19.95	-349.21	165.03	1,834.74	1,782.10	52.64	34.853		
9,000.00	7,850.00	7,412.00	7,397.50	47.90	25.88	-19.95	-349.21	165.03	1,930.99	1,878.16	52.83	36.552		
9,100.00	7,850.00	7,412.00	7,397.50	50.08	25.88	-19.95	-349.21	165.03	2,027.60	1,974.61	52.99	38.260		
9,200.00	7,850.00	7,412.00	7,397.50	52.30	25.88	-19.95	-349.21	165.03	2,124.53	2,071.39	53.14	39.978		
9,300.00	7,850.00	7,397.36	7,383.26	54.57	25.82	-19.45	-349.53	161.67	2,221.61	2,168.45	53.16	41.790		
9,400.00	7,850.00	7,388.85	7,374.97	56.87	25.79	-19.18	-349.74	159.78	2,318.86	2,265.64	53.22	43.569		
9,500.00	7,850.00	7,383.75	7,369.98	59.21	25.77	-19.02	-349.88	158.66	2,416.27	2,362.96	53.30	45.329		
9,600.00	7,850.00	7,362.70	7,349.43	61.58	25.69	-18.39	-350.51	154.19	2,513.78	2,460.51	53.27	47.192		
9,700.00	7,850.00	7,341.66	7,328.88	63.97	25.61	-17.80	-351.17	149.72	2,611.31	2,558.08	53.23	49.056		
9,800.00	7,850.00	7,320.62	7,308.33	66.38	25.53	-17.26	-351.86	145.25	2,708.85	2,655.65	53.20	50.921		
9,900.00	7,850.00	7,299.58	7,287.79	68.82	25.45	-16.76	-352.57	140.78	2,806.41	2,753.24	53.17	52.786		
10,000.00	7,850.00	7,278.23	7,266.94	71.27	25.36	-16.28	-353.32	136.24	2,903.98	2,850.84	53.13	54.655		
10,100.00	7,850.00	7,255.95	7,245.18	73.75	25.28	-15.82	-354.12	131.50	3,001.55	2,948.45	53.10	56.530		
10,200.00	7,850.00	7,233.58	7,223.34	76.23	25.20	-15.38	-354.95	126.73	3,099.12	3,046.06	53.06	58.406		
10,300.00	7,850.00	7,211.13	7,201.43	78.73	25.11	-14.97	-355.80	121.94	3,196.70	3,143.67	53.03	60.282		
10,400.00	7,850.00	7,190.00	7,180.80	81.25	25.03	-14.61	-356.62	117.42	3,294.27	3,241.27	53.01	62.149		
10,500.00	7,850.00	7,175.47	7,166.62	83.77	24.98	-14.37	-357.17	114.33	3,391.88	3,338.86	53.02	63.971		
10,600.00	7,850.00	7,162.10	7,153.55	86.30	24.93	-14.16	-357.64	111.51	3,489.54	3,436.49	53.04	65.786		
10,700.00	7,850.00	7,149.01	7,140.75	88.85	24.88	-13.95	-358.07	108.79	3,587.25	3,534.18	53.07	67.598		
10,800.00	7,850.00	7,136.19	7,128.22	91.40	24.83	-13.76	-358.47	106.15	3,685.01	3,631.92	53.09	69.409		
10,900.00	7,850.00	7,123.65	7,115.95	93.96	24.78	-13.57	-358.82	103.59	3,782.82	3,729.70	53.12	71.217		
11,000.00	7,850.00	7,111.37	7,103.92	96.53	24.74	-13.39	-359.14	101.11	3,880.67	3,827.53	53.14	73.023		
11,100.00	7,850.00	7,096.00	7,088.86	99.10	24.68	-13.16	-359.50	98.05	3,978.58	3,925.42	53.15	74.850		
11,200.00	7,850.00	7,096.00	7,088.86	101.68	24.68	-13.16	-359.50	98.05	4,076.53	4,023.29	53.24	76.568		
11,300.00	7,850.00	7,076.97	7,070.21	104.27	24.61	-12.90	-359.91	94.32	4,174.51	4,121.28	53.23	78.419		
11,400.00	7,850.00	7,066.21	7,059.65	106.86	24.57	-12.75	-360.13	92.24	4,272.55	4,219.28	53.27	80.210		
11,500.00	7,850.00	7,055.67	7,049.31	109.45	24.53	-12.61	-360.33	90.22	4,370.62	4,317.32	53.30	81.998		
11,600.00	7,850.00	7,045.34	7,039.17	112.06	24.49	-12.48	-360.53	88.26	4,468.74	4,415.40	53.34	83.784		
11,700.00	7,850.00	7,035.23	7,029.24	114.66	24.46	-12.35	-360.71	86.37	4,566.90	4,513.52	53.37	85.566		
11,800.00	7,850.00	7,025.32	7,019.50	117.27	24.42	-12.22	-360.87	84.53	4,665.09	4,611.68	53.41	87.345		
11,900.00	7,850.00	7,002.00	6,996.58	119.88	24.33	-11.93	-361.24	80.27	4,763.36	4,709.97	53.39	89.221		
12,000.00	7,850.00	7,002.00	6,996.58	122.50	24.33	-11.93	-361.24	80.27	4,861.60	4,808.13	53.47	90.923		
12,100.00	7,850.00	7,002.00	6,996.58	125.12	24.33	-11.93	-361.24	80.27	4,959.90	4,906.35	53.55	92.624		
12,200.00	7,850.00	7,002.00	6,996.58	127.74	24.33	-11.93	-361.24	80.27	5,058.27	5,004.64	53.63	94.323		
12,300.00	7,850.00	7,002.00	6,996.58	130.37	24.33	-11.93	-361.24	80.27	5,156.71	5,103.00	53.70	96.020		
12,400.00	7,850.00	7,002.00	6,996.58	133.00	24.33	-11.93	-361.24	80.27	5,255.20	5,201.42	53.78	97.714		
12,500.00	7,850.00	7,002.00	6,996.58	135.63	24.33	-11.93	-361.24	80.27	5,353.75	5,299.89	53.86	99.406		
12,600.00	7,850.00	7,002.00	6,996.58	138.26	24.33	-11.93	-361.24	80.27	5,452.35	5,398.42	53.93	101.096		
12,700.00	7,850.00	7,002.00	6,996.58	140.90	24.33	-11.93	-361.24	80.27	5,551.00	5,496.99	54.01	102.782		
12,800.00	7,850.00	6,966.09	6,961.20	143.53	24.20	-11.52	-361.83	74.11	5,649.27	5,595.32	53.94	104.724		
12,900.00	7,850.00	6,961.85	6,957.03	146.17	24.19	-11.47	-361.90	73.43	5,747.91	5,693.90	54.00	106.434		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 2-T4S-R65W - EXIST HZ PROSPER FARMS 4-65 2-1 4AH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 63-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
13,000.00	7,850.00	6,957.73	6,952.95	148.82	24.17	-11.43	-361.98	72.77	5,846.58	5,792.52	54.06	108.141		
13,100.00	7,850.00	6,953.70	6,948.98	151.46	24.16	-11.39	-362.05	72.14	5,945.29	5,891.16	54.13	109.844		
13,200.00	7,850.00	6,949.78	6,945.10	154.10	24.14	-11.34	-362.12	71.52	6,044.03	5,989.84	54.19	111.542		
13,300.00	7,850.00	6,945.94	6,941.32	156.75	24.13	-11.30	-362.20	70.93	6,142.80	6,088.55	54.25	113.237		
13,400.00	7,850.00	6,942.20	6,937.62	159.40	24.12	-11.26	-362.27	70.36	6,241.60	6,187.29	54.31	114.927		
13,500.00	7,850.00	6,908.00	6,903.77	162.05	23.99	-10.92	-362.97	65.48	6,340.73	6,286.46	54.27	116.846		
13,600.00	7,850.00	6,908.00	6,903.77	164.70	23.99	-10.92	-362.97	65.48	6,439.52	6,385.18	54.34	118.500		
13,700.00	7,850.00	6,908.00	6,903.77	167.36	23.99	-10.92	-362.97	65.48	6,538.34	6,483.93	54.42	120.150		
13,800.00	7,850.00	6,908.00	6,903.77	170.01	23.99	-10.92	-362.97	65.48	6,637.20	6,582.71	54.49	121.797		
13,900.00	7,850.00	6,908.00	6,903.77	172.66	23.99	-10.92	-362.97	65.48	6,736.10	6,681.53	54.57	123.439		
14,000.00	7,850.00	6,908.00	6,903.77	175.32	23.99	-10.92	-362.97	65.48	6,835.02	6,780.38	54.65	125.078		
14,100.00	7,850.00	6,908.00	6,903.77	177.98	23.99	-10.92	-362.97	65.48	6,933.98	6,879.26	54.72	126.712		
14,200.00	7,850.00	6,908.00	6,903.77	180.64	23.99	-10.92	-362.97	65.48	7,032.97	6,978.17	54.80	128.342		
14,300.00	7,850.00	6,908.00	6,903.77	183.30	23.99	-10.92	-362.97	65.48	7,131.98	7,077.11	54.88	129.968		
14,400.00	7,850.00	6,908.00	6,903.77	185.96	23.99	-10.92	-362.97	65.48	7,231.03	7,176.07	54.95	131.589		
14,500.00	7,850.00	6,908.00	6,903.77	188.62	23.99	-10.92	-362.97	65.48	7,330.09	7,275.07	55.03	133.206		
14,600.00	7,850.00	6,908.00	6,903.77	191.28	23.99	-10.92	-362.97	65.48	7,429.19	7,374.08	55.11	134.819		
14,700.00	7,850.00	6,908.00	6,903.77	193.95	23.99	-10.92	-362.97	65.48	7,528.30	7,473.12	55.18	136.426		
14,800.00	7,850.00	6,908.00	6,903.77	196.61	23.99	-10.92	-362.97	65.48	7,627.44	7,572.19	55.26	138.029		
14,900.00	7,850.00	6,908.00	6,903.77	199.28	23.99	-10.92	-362.97	65.48	7,726.61	7,671.27	55.34	139.628		
15,000.00	7,850.00	6,878.54	6,874.58	201.94	23.89	-10.64	-363.56	61.61	7,825.65	7,770.32	55.32	141.450		
15,100.00	7,850.00	6,873.55	6,869.63	204.61	23.87	-10.60	-363.65	60.97	7,924.80	7,869.41	55.39	143.077		
15,200.00	7,850.00	6,868.63	6,864.75	207.27	23.85	-10.55	-363.73	60.34	8,023.97	7,968.52	55.45	144.700		
15,300.00	7,850.00	6,863.79	6,859.95	209.94	23.83	-10.51	-363.81	59.73	8,123.15	8,067.63	55.52	146.317		
15,400.00	7,850.00	6,859.02	6,855.22	212.61	23.82	-10.46	-363.88	59.13	8,222.34	8,166.76	55.58	147.929		
15,500.00	7,850.00	6,854.33	6,850.56	215.28	23.80	-10.42	-363.95	58.55	8,321.54	8,265.89	55.65	149.536		
15,600.00	7,850.00	6,849.70	6,845.97	217.95	23.78	-10.38	-364.02	57.98	8,420.76	8,365.04	55.72	151.137		
15,700.00	7,850.00	6,845.15	6,841.45	220.62	23.77	-10.34	-364.08	57.42	8,519.99	8,464.20	55.78	152.732		
15,800.00	7,850.00	6,840.66	6,836.99	223.29	23.75	-10.30	-364.14	56.88	8,619.22	8,563.37	55.85	154.322		
15,900.00	7,850.00	6,813.00	6,809.53	225.96	23.65	-10.05	-364.44	53.61	8,718.56	8,662.71	55.85	156.096		
16,000.00	7,850.00	6,813.00	6,809.53	228.64	23.65	-10.05	-364.44	53.61	8,817.79	8,761.85	55.94	157.639		
16,100.00	7,850.00	6,813.00	6,809.53	231.31	23.65	-10.05	-364.44	53.61	8,917.04	8,861.02	56.02	159.178		
16,200.00	7,850.00	6,813.00	6,809.53	233.98	23.65	-10.05	-364.44	53.61	9,016.31	8,960.20	56.10	160.711		
16,300.00	7,850.00	6,813.00	6,809.53	236.65	23.65	-10.05	-364.44	53.61	9,115.59	9,059.40	56.19	162.238		
16,400.00	7,850.00	6,813.00	6,809.53	239.33	23.65	-10.05	-364.44	53.61	9,214.89	9,158.62	56.27	163.761		
16,500.00	7,850.00	6,813.00	6,809.53	242.00	23.65	-10.05	-364.44	53.61	9,314.20	9,257.84	56.35	165.278		
16,600.00	7,850.00	6,813.00	6,809.53	244.68	23.65	-10.05	-364.44	53.61	9,413.53	9,357.09	56.44	166.790		
16,700.00	7,850.00	6,813.00	6,809.53	247.35	23.65	-10.05	-364.44	53.61	9,512.87	9,456.34	56.52	168.296		
16,800.00	7,850.00	6,813.00	6,809.53	250.03	23.65	-10.05	-364.44	53.61	9,612.22	9,555.61	56.61	169.797		
16,900.00	7,850.00	6,813.00	6,809.53	252.70	23.65	-10.05	-364.44	53.61	9,711.59	9,654.89	56.70	171.292		
17,000.00	7,850.00	6,813.00	6,809.53	255.38	23.65	-10.05	-364.44	53.61	9,810.97	9,754.19	56.78	172.782		
17,100.00	7,850.00	6,785.11	6,781.82	258.06	23.55	-9.82	-364.69	50.46	9,910.26	9,853.47	56.79	174.499		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 2-T4S-R65W - EXIST HZ PROSPER FARMS 4-65 2-1 4CH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 86-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	27.15	27.15	0.00	0.03	-173.24	-370.83	-43.95	373.42					
100.00	100.00	126.88	126.87	0.13	0.26	-173.05	-370.83	-45.21	373.57	373.18	0.39	960.723		
200.00	199.98	226.94	226.92	0.49	0.61	-55.40	-370.75	-46.61	372.67	371.57	1.10	338.829		
300.00	299.87	326.65	326.63	0.85	0.97	-55.82	-370.77	-47.82	370.22	368.41	1.82	203.788		
400.00	399.75	426.57	426.54	1.21	1.33	-56.29	-370.82	-48.89	367.64	365.11	2.54	144.939		
500.00	499.63	527.46	527.43	1.58	1.69	-56.81	-370.80	-49.72	365.00	361.74	3.26	111.916		
600.00	599.51	627.71	627.68	1.94	2.05	-57.37	-370.55	-50.28	362.13	358.15	3.98	90.896		
700.00	699.39	727.62	727.58	2.31	2.41	-57.92	-370.28	-50.93	359.28	354.57	4.71	76.338		
800.00	799.27	828.17	828.12	2.68	2.77	-58.47	-369.91	-51.69	356.37	350.94	5.43	65.612		
900.00	899.15	927.01	926.96	3.05	3.12	-59.00	-369.61	-52.54	353.58	347.43	6.15	57.479		
1,000.00	999.03	1,026.87	1,026.82	3.42	3.48	-59.54	-369.45	-53.39	350.94	344.07	6.88	51.041		
1,100.00	1,098.91	1,126.71	1,126.66	3.79	3.84	-60.13	-369.32	-54.06	348.37	340.77	7.60	45.839		
1,200.00	1,198.78	1,226.33	1,226.28	4.16	4.19	-60.77	-369.20	-54.43	345.84	337.51	8.32	41.554		
1,300.00	1,298.66	1,325.83	1,325.78	4.52	4.55	-61.44	-369.27	-54.70	343.54	334.50	9.04	37.986		
1,400.00	1,398.54	1,425.53	1,425.47	4.89	4.90	-62.12	-369.33	-54.96	341.28	331.51	9.77	34.946		
1,500.00	1,498.42	1,524.82	1,524.77	5.26	5.25	-62.80	-369.56	-55.21	339.23	328.75	10.48	32.361		
1,600.00	1,598.30	1,624.13	1,624.07	5.63	5.60	-63.52	-369.95	-55.35	337.40	326.21	11.19	30.141		
1,700.00	1,698.18	1,724.46	1,724.40	6.00	5.94	-64.26	-370.40	-55.38	335.69	323.78	11.91	28.191		
1,800.00	1,798.06	1,824.34	1,824.28	6.37	6.29	-64.99	-370.74	-55.56	333.91	321.29	12.63	26.448		
1,900.00	1,897.94	1,924.55	1,924.49	6.74	6.65	-65.72	-371.06	-55.77	332.17	318.82	13.35	24.887		
2,000.00	1,997.82	2,024.68	2,024.62	7.11	7.00	-66.47	-371.29	-55.95	330.39	316.32	14.07	23.482		
2,100.00	2,097.70	2,124.97	2,124.91	7.48	7.36	-67.22	-371.42	-56.15	328.57	313.77	14.80	22.206		
2,200.00	2,197.58	2,224.96	2,224.90	7.84	7.72	-67.96	-371.49	-56.46	326.74	311.21	15.52	21.048		
2,300.00	2,297.46	2,325.11	2,325.05	8.21	8.08	-68.68	-371.52	-56.89	324.91	308.66	16.25	19.993		
2,400.00	2,397.33	2,425.11	2,425.05	8.58	8.43	-69.42	-371.47	-57.32	323.05	306.07	16.98	19.028		
2,500.00	2,497.21	2,524.78	2,524.72	8.95	8.79	-70.17	-371.45	-57.71	321.27	303.57	17.70	18.147		
2,600.00	2,597.09	2,624.30	2,624.23	9.32	9.15	-70.94	-371.51	-58.04	319.65	301.22	18.43	17.345		
2,700.00	2,696.97	2,724.30	2,724.24	9.69	9.50	-71.70	-371.66	-58.41	318.16	299.00	19.16	16.608		
2,800.00	2,796.85	2,824.59	2,824.53	10.06	9.86	-72.46	-371.72	-58.92	316.62	296.74	19.89	15.922		
2,900.00	2,896.73	2,924.68	2,924.61	10.43	10.22	-73.21	-371.69	-59.50	315.04	294.43	20.61	15.283		
3,000.00	2,996.61	3,020.74	3,020.67	10.80	10.56	-73.99	-372.07	-59.65	314.01	292.69	21.32	14.729		
3,037.32	3,033.89	3,057.18	3,057.11	10.93	10.68	-74.33	-372.49	-59.44	313.98	292.40	21.58	14.548 CC		
3,100.00	3,096.49	3,119.23	3,119.15	11.17	10.89	-74.93	-373.28	-58.92	314.05	292.03	22.02	14.260		
3,200.00	3,196.37	3,219.84	3,219.75	11.53	11.23	-75.90	-374.54	-58.04	314.23	291.49	22.73	13.822		
3,300.00	3,296.25	3,319.17	3,319.06	11.90	11.57	-76.85	-375.74	-57.28	314.44	291.00	23.44	13.414		
3,400.00	3,396.13	3,420.36	3,420.25	12.27	11.91	-77.80	-376.86	-56.58	314.61	290.45	24.16	13.023		
3,500.00	3,496.01	3,519.10	3,518.98	12.64	12.25	-78.74	-377.98	-55.87	314.89	290.03	24.86	12.664		
3,600.00	3,595.88	3,619.58	3,619.45	13.01	12.59	-79.67	-379.17	-55.20	315.30	289.72	25.58	12.326		
3,700.00	3,695.76	3,720.53	3,720.40	13.38	12.94	-80.60	-380.07	-54.66	315.47	289.17	26.30	11.996		
3,800.00	3,795.64	3,820.38	3,820.24	13.75	13.28	-81.55	-380.76	-54.03	315.56	288.55	27.01	11.683		
3,900.00	3,895.52	3,920.06	3,919.92	14.12	13.62	-82.50	-381.52	-53.34	315.83	288.11	27.72	11.392		
4,000.00	3,995.40	4,020.03	4,019.89	14.49	13.97	-83.41	-382.31	-52.90	316.13	287.69	28.44	11.116		
4,100.00	4,095.28	4,119.74	4,119.58	14.86	14.32	-84.27	-383.26	-52.67	316.57	287.41	29.16	10.856		
4,200.00	4,195.16	4,219.33	4,219.17	15.22	14.67	-85.09	-384.30	-52.60	317.11	287.23	29.88	10.613		
4,300.00	4,295.04	4,319.21	4,319.04	15.59	15.02	-85.89	-385.49	-52.57	317.83	287.23	30.60	10.386		
4,400.00	4,394.92	4,419.49	4,419.32	15.96	15.38	-86.58	-386.86	-53.19	318.51	287.18	31.33	10.166		
4,500.00	4,494.80	4,519.23	4,519.04	16.33	15.74	-87.20	-388.31	-54.11	319.18	287.12	32.06	9.957 ES		
4,600.00	4,594.68	4,618.66	4,618.46	16.70	16.09	-87.88	-389.72	-54.65	320.02	287.24	32.78	9.763		
4,700.00	4,694.56	4,718.17	4,717.95	17.07	16.44	-88.70	-390.92	-54.41	321.06	287.56	33.50	9.585		
4,800.00	4,794.43	4,818.69	4,818.47	17.44	16.79	-89.65	-391.79	-53.53	322.16	287.94	34.22	9.415		
4,900.00	4,894.31	4,918.97	4,918.75	17.81	17.13	-90.59	-392.48	-52.77	323.14	288.21	34.93	9.250		
5,000.00	4,994.19	5,018.83	5,018.60	18.18	17.48	-91.53	-393.08	-51.95	324.15	288.50	35.65	9.093		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 2-T4S-R65W - EXIST HZ PROSPER FARMS 4-65 2-1 4CH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 86-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	5,094.07	5,119.03	5,118.80	18.55	17.82	-92.50	-393.54	-50.99	325.19	288.83	36.36	8.943		
5,200.00	5,193.95	5,219.08	5,218.84	18.91	18.17	-93.53	-393.74	-49.80	326.24	289.16	37.07	8.800		
5,300.00	5,293.83	5,316.94	5,316.69	19.28	18.50	-94.57	-393.85	-48.40	327.44	289.67	37.77	8.668		
5,400.00	5,393.71	5,407.65	5,407.36	19.65	18.82	-95.34	-396.00	-47.05	330.67	292.23	38.43	8.604 SF		
5,500.00	5,493.59	5,499.24	5,498.81	20.02	19.14	-96.05	-400.31	-44.59	336.56	297.48	39.08	8.612		
5,600.00	5,593.47	5,591.94	5,591.24	20.39	19.47	-96.75	-406.35	-40.98	344.70	304.98	39.72	8.678		
5,700.00	5,693.35	5,683.74	5,682.60	20.76	19.79	-97.38	-414.02	-36.47	354.97	314.64	40.34	8.800		
5,800.00	5,793.23	5,774.73	5,772.93	21.13	20.12	-97.82	-423.80	-31.56	367.52	326.58	40.94	8.978		
5,900.00	5,893.11	5,868.95	5,866.21	21.50	20.46	-98.00	-436.21	-26.81	381.83	340.26	41.57	9.184		
6,000.00	5,992.99	5,969.82	5,966.03	21.87	20.83	-98.22	-449.62	-21.30	396.50	354.18	42.32	9.369		
6,100.00	6,092.86	6,059.06	6,054.20	22.24	21.16	-98.40	-462.25	-15.86	412.22	369.34	42.88	9.613		
6,200.00	6,192.74	6,142.95	6,136.65	22.60	21.47	-98.37	-476.82	-10.55	430.69	387.36	43.33	9.940		
6,300.00	6,292.62	6,229.57	6,221.21	22.97	21.81	-98.18	-494.57	-4.53	452.06	408.24	43.82	10.317		
6,400.00	6,392.50	6,314.33	6,303.46	23.34	22.14	-97.96	-513.86	2.28	475.90	431.64	44.26	10.753		
6,500.00	6,492.38	6,403.13	6,389.10	23.71	22.49	-97.69	-535.92	10.24	501.98	457.19	44.79	11.208		
6,600.00	6,592.26	6,490.51	6,473.10	24.08	22.85	-97.51	-558.30	19.14	529.41	484.12	45.29	11.689		
6,700.00	6,692.14	6,571.78	6,550.86	24.45	23.19	-97.60	-579.16	30.17	558.86	513.20	45.66	12.240		
6,800.00	6,792.02	6,659.85	6,634.46	24.82	23.56	-97.88	-602.51	45.04	590.84	544.65	46.19	12.791		
6,900.00	6,891.90	6,763.46	6,733.14	25.19	24.01	-98.22	-628.95	62.33	621.97	574.89	47.08	13.211		
7,000.00	6,991.78	6,869.30	6,834.26	25.56	24.48	-98.38	-655.96	78.06	652.05	604.05	48.00	13.585		
7,100.00	7,091.66	6,971.72	6,932.59	25.93	24.94	-98.46	-681.22	91.55	680.42	631.59	48.83	13.933		
7,200.00	7,191.54	7,071.16	7,028.02	26.29	25.39	-98.26	-707.17	101.92	708.35	658.74	49.61	14.279		
7,300.00	7,291.41	7,172.63	7,125.51	26.66	25.85	-98.01	-733.68	111.38	735.68	685.26	50.42	14.592		
7,400.00	7,390.63	7,253.00	7,202.62	27.05	26.23	-116.74	-755.10	118.74	767.17	716.27	50.90	15.071		
7,500.00	7,486.41	7,344.99	7,290.60	27.49	26.66	-117.26	-779.87	129.06	809.04	757.32	51.72	15.643		
7,600.00	7,575.82	7,424.02	7,366.57	27.98	27.04	-115.53	-799.36	138.83	858.61	806.15	52.46	16.367		
7,700.00	7,656.17	7,463.71	7,404.50	28.54	27.23	-111.00	-809.31	144.91	918.32	865.60	52.72	17.420		
7,800.00	7,724.99	7,503.00	7,441.70	29.19	27.42	-104.62	-819.64	152.21	987.32	934.16	53.16	18.571		
7,900.00	7,780.22	7,503.00	7,441.70	29.99	27.42	-93.37	-819.64	152.21	1,063.12	1,009.97	53.14	20.004		
8,000.00	7,820.15	7,503.00	7,441.70	30.95	27.42	-80.01	-819.64	152.21	1,143.47	1,090.12	53.35	21.435		
8,100.00	7,843.59	7,503.00	7,441.70	32.08	27.42	-66.39	-819.64	152.21	1,225.28	1,171.53	53.75	22.797		
8,200.00	7,850.00	7,503.00	7,441.70	33.35	27.42	-55.95	-819.64	152.21	1,306.09	1,251.79	54.30	24.053		
8,300.00	7,850.00	7,503.00	7,441.70	34.77	27.42	-55.95	-819.64	152.21	1,387.69	1,332.82	54.87	25.291		
8,400.00	7,850.00	7,503.00	7,441.70	36.34	27.42	-55.95	-819.64	152.21	1,471.56	1,416.18	55.38	26.573		
8,500.00	7,850.00	7,503.00	7,441.70	38.03	27.42	-55.95	-819.64	152.21	1,557.34	1,501.51	55.83	27.893		
8,600.00	7,850.00	7,503.00	7,441.70	39.84	27.42	-55.95	-819.64	152.21	1,644.72	1,588.48	56.24	29.245		
8,700.00	7,850.00	7,473.67	7,413.96	41.74	27.28	-53.96	-811.88	146.64	1,732.83	1,676.59	56.24	30.811		
8,800.00	7,850.00	7,466.96	7,407.59	43.72	27.25	-53.51	-810.15	145.47	1,822.44	1,765.94	56.50	32.254		
8,900.00	7,850.00	7,460.66	7,401.60	45.78	27.22	-53.09	-808.53	144.40	1,913.02	1,856.28	56.74	33.716		
9,000.00	7,850.00	7,454.73	7,395.95	47.90	27.19	-52.70	-807.01	143.42	2,004.44	1,947.49	56.95	35.194		
9,100.00	7,850.00	7,449.13	7,390.61	50.08	27.16	-52.33	-805.60	142.53	2,096.61	2,039.46	57.15	36.685		
9,200.00	7,850.00	7,443.84	7,385.55	52.30	27.14	-51.99	-804.27	141.70	2,189.42	2,132.09	57.33	38.189		
9,300.00	7,850.00	7,438.84	7,380.77	54.57	27.11	-51.66	-803.02	140.95	2,282.80	2,225.31	57.50	39.703		
9,400.00	7,850.00	7,409.00	7,352.13	56.87	26.97	-49.76	-795.72	136.86	2,377.11	2,319.72	57.39	41.421		
9,500.00	7,850.00	7,409.00	7,352.13	59.21	26.97	-49.76	-795.72	136.86	2,471.32	2,413.73	57.58	42.919		
9,600.00	7,850.00	7,409.00	7,352.13	61.58	26.97	-49.76	-795.72	136.86	2,565.96	2,508.20	57.76	44.425		
9,700.00	7,850.00	7,409.00	7,352.13	63.97	26.97	-49.76	-795.72	136.86	2,660.99	2,603.07	57.92	45.939		
9,800.00	7,850.00	7,409.00	7,352.13	66.38	26.97	-49.76	-795.72	136.86	2,756.38	2,698.30	58.08	47.460		
9,900.00	7,850.00	7,409.00	7,352.13	68.82	26.97	-49.76	-795.72	136.86	2,852.08	2,793.86	58.22	48.986		
10,000.00	7,850.00	7,409.00	7,352.13	71.27	26.97	-49.76	-795.72	136.86	2,948.07	2,889.71	58.36	50.517		
10,100.00	7,850.00	7,401.32	7,344.73	73.75	26.93	-49.28	-793.87	135.91	3,044.31	2,985.89	58.41	52.116		
10,200.00	7,850.00	7,389.81	7,333.66	76.23	26.88	-48.57	-791.08	134.48	3,140.73	3,082.30	58.43	53.752		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 2-T4S-R65W - EXIST HZ PROSPER FARMS 4-65 2-1 4CH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 86-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,300.00	7,850.00	7,378.48	7,322.76	78.73	26.82	-47.87	-788.30	133.09	3,237.34	3,178.89	58.44	55.393		
10,400.00	7,850.00	7,367.75	7,312.46	81.25	26.77	-47.22	-785.64	131.79	3,334.10	3,275.64	58.46	57.034		
10,500.00	7,850.00	7,357.37	7,302.48	83.77	26.72	-46.60	-783.03	130.54	3,431.01	3,372.54	58.47	58.678		
10,600.00	7,850.00	7,347.20	7,292.72	86.30	26.67	-46.00	-780.44	129.32	3,528.05	3,469.57	58.48	60.325		
10,700.00	7,850.00	7,337.22	7,283.16	88.85	26.63	-45.41	-777.87	128.15	3,625.23	3,566.73	58.49	61.975		
10,800.00	7,850.00	7,327.45	7,273.79	91.40	26.58	-44.84	-775.32	127.00	3,722.52	3,664.02	58.50	63.628		
10,900.00	7,850.00	7,317.87	7,264.61	93.96	26.54	-44.29	-772.79	125.90	3,819.93	3,761.41	58.51	65.282		
11,000.00	7,850.00	7,308.47	7,255.62	96.53	26.49	-43.75	-770.28	124.82	3,917.43	3,858.91	58.52	66.939		
11,100.00	7,850.00	7,299.25	7,246.81	99.10	26.45	-43.23	-767.79	123.77	4,015.04	3,956.51	58.53	68.597		
11,200.00	7,850.00	7,290.21	7,238.17	101.68	26.40	-42.72	-765.33	122.76	4,112.73	4,054.19	58.54	70.257		
11,300.00	7,850.00	7,281.00	7,229.37	104.27	26.36	-42.21	-762.79	121.73	4,210.51	4,151.97	58.54	71.921		
11,400.00	7,850.00	7,281.00	7,229.37	106.86	26.36	-42.21	-762.79	121.73	4,308.38	4,249.75	58.63	73.487		
11,500.00	7,850.00	7,281.00	7,229.37	109.45	26.36	-42.21	-762.79	121.73	4,406.34	4,347.63	58.71	75.053		
11,600.00	7,850.00	7,281.00	7,229.37	112.06	26.36	-42.21	-762.79	121.73	4,504.39	4,445.60	58.79	76.618		
11,700.00	7,850.00	7,281.00	7,229.37	114.66	26.36	-42.21	-762.79	121.73	4,602.53	4,543.66	58.87	78.183		
11,800.00	7,850.00	7,281.00	7,229.37	117.27	26.36	-42.21	-762.79	121.73	4,700.74	4,641.80	58.95	79.746		
11,900.00	7,850.00	7,254.69	7,204.23	119.88	26.24	-40.77	-755.56	118.92	4,798.85	4,740.05	58.80	81.615		
12,000.00	7,850.00	7,250.63	7,200.35	122.50	26.22	-40.56	-754.45	118.50	4,897.15	4,838.31	58.84	83.228		
12,100.00	7,850.00	7,246.65	7,196.55	125.12	26.20	-40.35	-753.37	118.10	4,995.51	4,936.63	58.88	84.840		
12,200.00	7,850.00	7,242.77	7,192.83	127.74	26.18	-40.14	-752.32	117.71	5,093.93	5,035.01	58.92	86.450		
12,300.00	7,850.00	7,238.98	7,189.19	130.37	26.16	-39.94	-751.29	117.33	5,192.40	5,133.43	58.97	88.059		
12,400.00	7,850.00	7,235.26	7,185.64	133.00	26.15	-39.75	-750.29	116.97	5,290.92	5,231.91	59.01	89.666		
12,500.00	7,850.00	7,231.63	7,182.15	135.63	26.13	-39.56	-749.31	116.61	5,389.48	5,330.43	59.05	91.271		
12,600.00	7,850.00	7,228.07	7,178.75	138.26	26.11	-39.37	-748.35	116.27	5,488.10	5,429.00	59.09	92.874		
12,700.00	7,850.00	7,224.59	7,175.41	140.90	26.10	-39.19	-747.42	115.94	5,586.75	5,527.62	59.14	94.474		
12,800.00	7,850.00	7,221.18	7,172.14	143.53	26.08	-39.02	-746.51	115.62	5,685.45	5,626.27	59.18	96.073		
12,900.00	7,850.00	7,217.85	7,168.94	146.17	26.06	-38.85	-745.61	115.31	5,784.19	5,724.96	59.22	97.670		
13,000.00	7,850.00	7,214.58	7,165.81	148.82	26.05	-38.68	-744.74	115.01	5,882.96	5,823.69	59.27	99.263		
13,100.00	7,850.00	7,187.00	7,139.32	151.46	25.92	-37.31	-737.45	112.59	5,981.91	5,922.80	59.12	101.188		
13,200.00	7,850.00	7,187.00	7,139.32	154.10	25.92	-37.31	-737.45	112.59	6,080.72	6,021.53	59.19	102.737		
13,300.00	7,850.00	7,187.00	7,139.32	156.75	25.92	-37.31	-737.45	112.59	6,179.57	6,120.31	59.26	104.283		
13,400.00	7,850.00	7,187.00	7,139.32	159.40	25.92	-37.31	-737.45	112.59	6,278.45	6,219.13	59.33	105.826		
13,500.00	7,850.00	7,187.00	7,139.32	162.05	25.92	-37.31	-737.45	112.59	6,377.37	6,317.97	59.40	107.367		
13,600.00	7,850.00	7,187.00	7,139.32	164.70	25.92	-37.31	-737.45	112.59	6,476.32	6,416.86	59.47	108.904		
13,700.00	7,850.00	6,621.00	6,597.62	167.36	23.40	-18.05	-592.21	38.28	6,574.58	6,519.02	55.56	118.327		
13,800.00	7,850.00	6,621.00	6,597.62	170.01	23.40	-18.05	-592.21	38.28	6,672.49	6,616.84	55.65	119.901		
13,900.00	7,850.00	6,621.00	6,597.62	172.66	23.40	-18.05	-592.21	38.28	6,770.47	6,714.73	55.74	121.473		
14,000.00	7,850.00	6,621.00	6,597.62	175.32	23.40	-18.05	-592.21	38.28	6,868.50	6,812.68	55.82	123.042		
14,100.00	7,850.00	6,621.00	6,597.62	177.98	23.40	-18.05	-592.21	38.28	6,966.59	6,910.68	55.91	124.609		
14,200.00	7,850.00	6,621.00	6,597.62	180.64	23.40	-18.05	-592.21	38.28	7,064.73	7,008.74	55.99	126.172		
14,300.00	7,850.00	6,621.00	6,597.62	183.30	23.40	-18.05	-592.21	38.28	7,162.92	7,106.85	56.08	127.733		
14,400.00	7,850.00	6,586.47	6,564.85	185.96	23.25	-17.26	-583.02	32.48	7,260.80	7,204.86	55.95	129.777		
14,500.00	7,850.00	6,582.87	6,561.42	188.62	23.23	-17.18	-582.07	31.91	7,359.02	7,303.00	56.01	131.384		
14,600.00	7,850.00	6,579.34	6,558.06	191.28	23.22	-17.11	-581.15	31.35	7,457.27	7,401.19	56.07	132.987		
14,700.00	7,850.00	6,575.88	6,554.77	193.95	23.21	-17.03	-580.24	30.81	7,555.56	7,499.42	56.14	134.587		
14,800.00	7,850.00	6,572.49	6,551.54	196.61	23.19	-16.96	-579.35	30.28	7,653.89	7,597.68	56.20	136.182		
14,900.00	7,850.00	6,569.17	6,548.37	199.28	23.18	-16.88	-578.48	29.77	7,752.25	7,695.98	56.27	137.774		
15,000.00	7,850.00	6,565.91	6,545.26	201.94	23.16	-16.81	-577.63	29.28	7,850.65	7,794.32	56.33	139.361		
15,100.00	7,850.00	6,562.71	6,542.21	204.61	23.15	-16.74	-576.80	28.80	7,949.08	7,892.69	56.40	140.944		
15,200.00	7,850.00	6,527.00	6,508.08	207.27	23.00	-15.99	-567.61	23.74	8,047.86	7,991.59	56.28	143.004		
15,300.00	7,850.00	6,527.00	6,508.08	209.94	23.00	-15.99	-567.61	23.74	8,146.30	8,089.94	56.36	144.535		
15,400.00	7,850.00	6,527.00	6,508.08	212.61	23.00	-15.99	-567.61	23.74	8,244.78	8,188.33	56.45	146.061		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference 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: 86-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
15,500.00	7,850.00	6,527.00	6,508.08	215.28	23.00	-15.99	-567.61	23.74	8,343.30	8,286.76	56.53	147.584	
15,600.00	7,850.00	6,527.00	6,508.08	217.95	23.00	-15.99	-567.61	23.74	8,441.85	8,385.23	56.62	149.102	
15,700.00	7,850.00	6,527.00	6,508.08	220.62	23.00	-15.99	-567.61	23.74	8,540.43	8,483.73	56.70	150.617	
15,800.00	7,850.00	6,527.00	6,508.08	223.29	23.00	-15.99	-567.61	23.74	8,639.04	8,582.26	56.79	152.127	
15,900.00	7,850.00	6,527.00	6,508.08	225.96	23.00	-15.99	-567.61	23.74	8,737.69	8,680.82	56.87	153.634	
16,000.00	7,850.00	6,527.00	6,508.08	228.64	23.00	-15.99	-567.61	23.74	8,836.37	8,779.41	56.96	155.136	
16,100.00	7,850.00	6,527.00	6,508.08	231.31	23.00	-15.99	-567.61	23.74	8,935.07	8,878.03	57.04	156.633	
16,200.00	7,850.00	6,527.00	6,508.08	233.98	23.00	-15.99	-567.61	23.74	9,033.81	8,976.68	57.13	158.127	
16,300.00	7,850.00	6,527.00	6,508.08	236.65	23.00	-15.99	-567.61	23.74	9,132.57	9,075.36	57.22	159.616	
16,400.00	7,850.00	6,527.00	6,508.08	239.33	23.00	-15.99	-567.61	23.74	9,231.36	9,174.06	57.30	161.100	
16,500.00	7,850.00	6,527.00	6,508.08	242.00	23.00	-15.99	-567.61	23.74	9,330.18	9,272.79	57.39	162.580	
16,600.00	7,850.00	6,527.00	6,508.08	244.68	23.00	-15.99	-567.61	23.74	9,429.02	9,371.54	57.47	164.055	
16,700.00	7,850.00	6,527.00	6,508.08	247.35	23.00	-15.99	-567.61	23.74	9,527.88	9,470.32	57.56	165.526	
16,800.00	7,850.00	6,527.00	6,508.08	250.03	23.00	-15.99	-567.61	23.74	9,626.77	9,569.12	57.65	166.993	
16,900.00	7,850.00	6,527.00	6,508.08	252.70	23.00	-15.99	-567.61	23.74	9,725.68	9,667.94	57.73	168.454	
17,000.00	7,850.00	6,527.00	6,508.08	255.38	23.00	-15.99	-567.61	23.74	9,824.61	9,766.79	57.82	169.911	
17,100.00	7,850.00	6,527.00	6,508.08	258.06	23.00	-15.99	-567.61	23.74	9,923.57	9,865.66	57.91	171.363	

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 2-T4S-R65W - PROPERTY RESERVE 4-65 3-4 1AH - 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	0.30	-0.30	0.00	0.00	0.27	59.74	0.28	59.74					
100.00	100.00	99.70	99.70	0.13	0.13	0.27	59.74	0.28	59.74	59.47	0.27	222.539	CC, ES	
200.00	199.98	197.60	197.58	0.49	0.49	119.12	61.39	0.11	62.26	61.28	0.98	63.374		
300.00	299.87	295.06	294.91	0.85	0.85	121.79	66.34	-0.41	69.65	67.95	1.71	40.802		
400.00	399.75	391.94	391.43	1.21	1.20	123.65	74.52	-1.26	80.64	78.21	2.42	33.284		
500.00	499.63	488.03	486.84	1.58	1.58	124.59	85.84	-2.44	94.94	91.80	3.14	30.283		
600.00	599.51	583.14	580.85	1.94	1.97	124.90	100.16	-3.94	112.46	108.62	3.84	29.263		
700.00	699.39	677.06	673.17	2.31	2.39	124.80	117.35	-5.73	133.14	128.59	4.55	29.290		
800.00	799.27	769.63	763.55	2.68	2.83	124.46	137.23	-7.80	156.90	151.66	5.24	29.937		
900.00	899.15	860.69	851.78	3.05	3.29	124.01	159.60	-10.14	183.70	177.77	5.93	30.983		
1,000.00	999.03	950.09	937.67	3.42	3.77	123.50	184.27	-12.71	213.46	206.86	6.60	32.327		
1,100.00	1,098.91	1,037.71	1,021.06	3.79	4.27	122.98	211.02	-15.51	246.11	238.84	7.27	33.860		
1,200.00	1,198.78	1,123.45	1,101.82	4.16	4.80	122.48	239.64	-18.49	281.56	273.64	7.92	35.536		
1,300.00	1,298.66	1,207.20	1,179.85	4.52	5.34	122.00	269.91	-21.65	319.74	311.17	8.56	37.332		
1,400.00	1,398.54	1,288.92	1,255.08	4.89	5.91	121.55	301.61	-24.96	360.55	351.35	9.19	39.220		
1,500.00	1,498.42	1,377.83	1,336.30	5.26	6.55	121.11	337.60	-28.72	403.01	393.11	9.90	40.701		
1,600.00	1,598.30	1,468.32	1,418.94	5.63	7.20	120.75	374.25	-32.54	445.52	434.89	10.63	41.905		
1,700.00	1,698.18	1,558.80	1,501.58	6.00	7.87	120.45	410.90	-36.36	488.04	476.67	11.37	42.941		
1,800.00	1,798.06	1,649.28	1,584.22	6.37	8.54	120.19	447.55	-40.19	530.57	518.47	12.10	43.841		
1,900.00	1,897.94	1,739.76	1,666.86	6.74	9.21	119.98	484.19	-44.01	573.11	560.27	12.84	44.630		
2,000.00	1,997.82	1,830.24	1,749.50	7.11	9.88	119.79	520.84	-47.84	615.65	602.07	13.58	45.327		
2,100.00	2,097.70	1,920.73	1,832.14	7.48	10.56	119.63	557.49	-51.66	658.20	643.88	14.33	45.947		
2,200.00	2,197.58	2,011.21	1,914.78	7.84	11.23	119.49	594.14	-55.49	700.75	685.68	15.07	46.501		
2,300.00	2,297.46	2,101.69	1,997.42	8.21	11.91	119.37	630.78	-59.31	743.31	727.49	15.82	47.000		
2,400.00	2,397.33	2,192.17	2,080.06	8.58	12.60	119.26	667.43	-63.13	785.87	769.31	16.56	47.450		
2,500.00	2,497.21	2,282.65	2,162.70	8.95	13.28	119.16	704.08	-66.96	828.43	811.12	17.31	47.859		
2,600.00	2,597.09	2,373.14	2,245.34	9.32	13.96	119.06	740.73	-70.78	870.99	852.93	18.06	48.232		
2,700.00	2,696.97	2,463.62	2,327.98	9.69	14.64	118.98	777.38	-74.61	913.55	894.75	18.81	48.573		
2,800.00	2,796.85	2,554.10	2,410.62	10.06	15.33	118.91	814.02	-78.43	956.12	936.56	19.56	48.886		
2,900.00	2,896.73	2,644.58	2,493.26	10.43	16.01	118.84	850.67	-82.26	998.68	978.38	20.31	49.175		
3,000.00	2,996.61	2,735.06	2,575.90	10.80	16.70	118.78	887.32	-86.08	1,041.25	1,020.19	21.06	49.442		
3,100.00	3,096.49	2,825.55	2,658.54	11.17	17.38	118.72	923.97	-89.91	1,083.82	1,062.01	21.81	49.689		
3,200.00	3,196.37	2,916.03	2,741.18	11.53	18.07	118.67	960.61	-93.73	1,126.39	1,103.82	22.56	49.918		
3,300.00	3,296.25	3,006.51	2,823.82	11.90	18.76	118.62	997.26	-97.55	1,168.96	1,145.64	23.32	50.132		
3,400.00	3,396.13	3,096.99	2,906.46	12.27	19.44	118.57	1,033.91	-101.38	1,211.53	1,187.46	24.07	50.332		
3,500.00	3,496.01	3,187.48	2,989.10	12.64	20.13	118.53	1,070.56	-105.20	1,254.10	1,229.28	24.82	50.518		
3,600.00	3,595.88	3,277.96	3,071.74	13.01	20.82	118.49	1,107.21	-109.03	1,296.67	1,271.09	25.58	50.693		
3,700.00	3,695.76	3,368.44	3,154.38	13.38	21.50	118.45	1,143.85	-112.85	1,339.24	1,312.91	26.33	50.857		
3,800.00	3,795.64	3,458.92	3,237.01	13.75	22.19	118.41	1,180.50	-116.68	1,381.82	1,354.73	27.09	51.012		
3,900.00	3,895.52	3,549.40	3,319.65	14.12	22.88	118.38	1,217.15	-120.50	1,424.39	1,396.55	27.84	51.157		
4,000.00	3,995.40	3,639.89	3,402.29	14.49	23.57	118.35	1,253.80	-124.33	1,466.96	1,438.36	28.60	51.294		
4,100.00	4,095.28	3,730.37	3,484.93	14.86	24.26	118.32	1,290.45	-128.15	1,509.54	1,480.18	29.36	51.423		
4,200.00	4,195.16	3,820.85	3,567.57	15.22	24.95	118.29	1,327.09	-131.97	1,552.11	1,522.00	30.11	51.546		
4,300.00	4,295.04	3,911.33	3,650.21	15.59	25.63	118.27	1,363.74	-135.80	1,594.68	1,563.82	30.87	51.662		
4,400.00	4,394.92	4,001.81	3,732.85	15.96	26.32	118.24	1,400.39	-139.62	1,637.26	1,605.63	31.62	51.772		
4,500.00	4,494.80	4,107.70	3,815.49	16.33	27.13	118.22	1,437.04	-143.45	1,679.83	1,647.38	32.45	51.762		
4,600.00	4,594.68	4,182.78	3,898.13	16.70	27.70	118.20	1,473.68	-147.27	1,722.41	1,689.27	33.14	51.975		
4,700.00	4,694.56	4,273.26	3,980.77	17.07	28.39	118.17	1,510.33	-151.10	1,764.98	1,731.09	33.90	52.069		
4,800.00	4,794.43	4,363.74	4,063.41	17.44	29.08	118.15	1,546.98	-154.92	1,807.56	1,772.90	34.65	52.159		
4,900.00	4,894.31	4,454.22	4,146.05	17.81	29.77	118.13	1,583.63	-158.75	1,850.14	1,814.72	35.41	52.244		
5,000.00	4,994.19	4,544.71	4,228.69	18.18	30.46	118.12	1,620.28	-162.57	1,892.71	1,856.54	36.17	52.326		
5,100.00	5,094.07	4,635.19	4,311.33	18.55	31.15	118.10	1,656.92	-166.39	1,935.29	1,898.36	36.93	52.404		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 2-T4S-R65W - PROPERTY RESERVE 4-65 3-4 1AH - 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		
5,200.00	5,193.95	4,725.67	4,393.97	18.91	31.84	118.08	1,693.57	-170.22	1,977.86	1,940.17	37.69	52.478		
5,300.00	5,293.83	4,816.15	4,476.61	19.28	32.53	118.06	1,730.22	-174.04	2,020.44	1,981.99	38.45	52.549		
5,400.00	5,393.71	4,906.63	4,559.25	19.65	33.21	118.05	1,766.87	-177.87	2,063.02	2,023.81	39.21	52.617		
5,500.00	5,493.59	4,997.12	4,641.89	20.02	33.90	118.03	1,803.52	-181.69	2,105.59	2,065.62	39.97	52.682		
5,600.00	5,593.47	5,087.60	4,724.53	20.39	34.59	118.02	1,840.16	-185.52	2,148.17	2,107.44	40.73	52.744		
5,700.00	5,693.35	5,178.08	4,807.17	20.76	35.28	118.01	1,876.81	-189.34	2,190.74	2,149.26	41.49	52.803		
5,800.00	5,793.23	5,268.56	4,889.81	21.13	35.97	117.99	1,913.46	-193.17	2,233.32	2,191.07	42.25	52.861		
5,900.00	5,893.11	5,359.04	4,972.45	21.50	36.66	117.98	1,950.11	-196.99	2,275.90	2,232.89	43.01	52.915		
6,000.00	5,992.99	5,449.53	5,055.09	21.87	37.35	117.97	1,986.75	-200.81	2,318.48	2,274.70	43.77	52.968		
6,100.00	6,092.86	5,540.01	5,137.73	22.24	38.04	117.95	2,023.40	-204.64	2,361.05	2,316.52	44.53	53.018		
6,200.00	6,192.74	5,630.49	5,220.37	22.60	38.73	117.94	2,060.05	-208.46	2,403.63	2,358.33	45.29	53.066		
6,300.00	6,292.62	5,720.97	5,303.01	22.97	39.42	117.93	2,096.70	-212.29	2,446.21	2,400.15	46.06	53.113		
6,400.00	6,392.50	5,811.46	5,385.65	23.34	40.11	117.92	2,133.35	-216.11	2,488.78	2,441.96	46.82	53.158		
6,500.00	6,492.38	5,901.94	5,468.29	23.71	40.80	117.91	2,169.99	-219.94	2,531.36	2,483.78	47.58	53.200		
6,600.00	6,592.26	5,992.42	5,550.93	24.08	41.49	117.90	2,206.64	-223.76	2,573.94	2,525.59	48.34	53.242		
6,700.00	6,692.14	6,082.90	5,633.57	24.45	42.18	117.89	2,243.29	-227.59	2,616.52	2,567.41	49.11	53.281		
6,800.00	6,792.02	6,173.38	5,716.20	24.82	42.87	117.88	2,279.94	-231.41	2,659.09	2,609.22	49.87	53.319		
6,900.00	6,891.90	6,263.87	5,798.84	25.19	43.56	117.87	2,316.58	-235.23	2,701.67	2,651.04	50.63	53.356		
7,000.00	6,991.78	6,354.35	5,881.48	25.56	44.25	117.86	2,353.23	-239.06	2,744.25	2,692.85	51.40	53.391		
7,100.00	7,091.66	6,444.83	5,964.12	25.93	44.94	117.86	2,389.88	-242.88	2,786.83	2,734.66	52.16	53.425		
7,200.00	7,191.54	6,535.31	6,046.76	26.29	45.63	117.85	2,426.53	-246.71	2,829.40	2,776.48	52.93	53.458		
7,300.00	7,291.41	6,625.79	6,129.40	26.66	46.32	117.84	2,463.18	-250.53	2,871.98	2,818.29	53.69	53.490		
7,400.00	7,390.63	6,715.97	6,211.76	27.05	47.01	92.73	2,499.70	-254.34	2,914.43	2,859.95	54.49	53.490		
7,500.00	7,486.41	6,803.74	6,291.92	27.49	47.68	85.68	2,535.25	-258.05	2,955.93	2,900.59	55.34	53.414		
7,600.00	7,575.82	6,886.44	6,367.46	27.98	48.31	81.09	2,568.75	-261.55	2,995.60	2,939.35	56.25	53.256		
7,700.00	7,656.17	6,961.56	6,436.07	28.54	48.89	77.55	2,599.17	-264.72	3,032.84	2,975.62	57.22	53.000		
7,800.00	7,724.99	7,026.82	6,495.67	29.19	49.38	74.65	2,625.60	-267.48	3,067.26	3,008.98	58.28	52.627		
7,900.00	7,780.22	7,080.24	6,544.46	29.99	49.79	72.19	2,647.24	-269.74	3,098.62	3,039.16	59.45	52.119		
8,000.00	7,820.15	7,120.18	6,580.94	30.95	50.10	70.03	2,663.42	-271.43	3,126.69	3,065.95	60.75	51.471		
8,100.00	7,843.59	7,145.44	6,604.01	32.08	50.29	68.09	2,673.65	-272.50	3,151.27	3,089.11	62.15	50.700		
8,200.00	7,850.00	7,155.41	6,613.12	33.35	50.37	66.57	2,677.69	-272.92	3,172.11	3,108.47	63.64	49.846		
8,300.00	7,850.00	7,159.60	6,616.95	34.77	50.40	66.64	2,679.38	-273.09	3,193.38	3,128.15	65.23	48.956		
8,400.00	7,850.00	7,163.79	6,620.77	36.34	50.43	66.72	2,681.08	-273.27	3,217.61	3,150.67	66.94	48.068		
8,500.00	7,850.00	7,167.99	6,624.60	38.03	50.46	66.80	2,682.78	-273.45	3,244.73	3,176.00	68.74	47.204		
8,600.00	7,850.00	7,172.18	6,628.43	39.84	50.49	66.88	2,684.48	-273.63	3,274.69	3,204.08	70.61	46.380		
8,700.00	7,850.00	7,176.37	6,632.26	41.74	50.52	66.95	2,686.17	-273.80	3,307.39	3,234.87	72.52	45.608		
8,800.00	7,850.00	7,180.56	6,636.09	43.72	50.56	67.03	2,687.87	-273.98	3,342.75	3,268.30	74.45	44.896		
8,900.00	7,850.00	7,184.75	6,639.91	45.78	50.59	67.11	2,689.57	-274.16	3,380.71	3,304.30	76.40	44.249		
9,000.00	7,850.00	9,543.56	7,780.00	47.90	68.60	88.82	3,210.81	-1,657.54	3,388.40	3,288.32	100.08	33.858		
9,100.00	7,850.00	9,643.55	7,780.00	50.08	69.83	88.82	3,211.99	-1,757.53	3,389.66	3,285.40	104.26	32.510		
9,200.00	7,850.00	9,743.54	7,780.00	52.30	71.15	88.82	3,213.17	-1,857.51	3,390.93	3,282.37	108.56	31.236		
9,300.00	7,850.00	9,843.54	7,780.00	54.57	72.55	88.82	3,214.34	-1,957.50	3,392.19	3,279.24	112.95	30.033		
9,400.00	7,850.00	9,943.53	7,780.00	56.87	74.04	88.82	3,215.52	-2,057.48	3,393.45	3,276.03	117.42	28.900		
9,500.00	7,850.00	10,043.52	7,780.00	59.21	75.60	88.82	3,216.70	-2,157.47	3,394.72	3,272.75	121.96	27.834		
9,600.00	7,850.00	10,143.51	7,780.00	61.58	77.25	88.82	3,217.87	-2,257.45	3,395.98	3,269.41	126.57	26.830		
9,700.00	7,850.00	10,243.50	7,780.00	63.97	78.96	88.82	3,219.05	-2,357.44	3,397.24	3,266.00	131.24	25.885		
9,800.00	7,850.00	10,343.50	7,780.00	66.38	80.74	88.82	3,220.23	-2,457.42	3,398.51	3,262.54	135.97	24.995		
9,900.00	7,850.00	10,443.49	7,780.00	68.82	82.59	88.83	3,221.40	-2,557.41	3,399.77	3,259.03	140.74	24.157		
10,000.00	7,850.00	10,543.48	7,780.00	71.27	84.49	88.83	3,222.58	-2,657.39	3,401.03	3,255.48	145.55	23.367		
10,100.00	7,850.00	10,643.47	7,780.00	73.75	86.44	88.83	3,223.76	-2,757.38	3,402.30	3,251.90	150.40	22.621		
10,200.00	7,850.00	10,743.46	7,780.00	76.23	88.45	88.83	3,224.93	-2,857.37	3,403.56	3,248.27	155.29	21.917		
10,300.00	7,850.00	10,843.46	7,780.00	78.73	90.50	88.83	3,226.11	-2,957.35	3,404.83	3,244.62	160.21	21.252		

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 PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 2-T4S-R65W - PROPERTY RESERVE 4-65 3-4 1AH - 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		
10,400.00	7,850.00	10,943.45	7,780.00	81.25	92.59	88.83	3,227.28	-3,057.34	3,406.09	3,240.93	165.16	20.623		
10,500.00	7,850.00	11,043.44	7,780.00	83.77	94.72	88.83	3,228.46	-3,157.32	3,407.35	3,237.22	170.13	20.028		
10,600.00	7,850.00	11,143.43	7,780.00	86.30	96.88	88.83	3,229.64	-3,257.31	3,408.62	3,233.48	175.13	19.463		
10,700.00	7,850.00	11,243.42	7,780.00	88.85	99.08	88.83	3,230.81	-3,357.29	3,409.88	3,229.72	180.15	18.928		
10,800.00	7,850.00	11,343.42	7,780.00	91.40	101.30	88.83	3,231.99	-3,457.28	3,411.14	3,225.95	185.20	18.419		
10,900.00	7,850.00	11,443.41	7,780.00	93.96	103.55	88.83	3,233.17	-3,557.26	3,412.41	3,222.15	190.26	17.936		
11,000.00	7,850.00	11,543.40	7,780.00	96.53	105.83	88.83	3,234.34	-3,657.25	3,413.67	3,218.33	195.34	17.476		
11,100.00	7,850.00	11,643.39	7,780.00	99.10	108.13	88.83	3,235.52	-3,757.23	3,414.93	3,214.50	200.43	17.038		
11,200.00	7,850.00	11,743.38	7,780.00	101.68	110.45	88.83	3,236.70	-3,857.22	3,416.20	3,210.65	205.54	16.620		
11,300.00	7,850.00	11,843.38	7,780.00	104.27	112.80	88.83	3,237.87	-3,957.20	3,417.46	3,206.79	210.67	16.222		
11,400.00	7,850.00	11,943.37	7,780.00	106.86	115.16	88.83	3,239.05	-4,057.19	3,418.72	3,202.92	215.80	15.842		
11,500.00	7,850.00	12,043.36	7,780.00	109.45	117.53	88.83	3,240.22	-4,157.17	3,419.99	3,199.04	220.95	15.478		
11,600.00	7,850.00	12,143.35	7,780.00	112.06	119.93	88.83	3,241.40	-4,257.16	3,421.25	3,195.14	226.11	15.131		
11,700.00	7,850.00	12,243.34	7,780.00	114.66	122.34	88.83	3,242.58	-4,357.14	3,422.51	3,191.23	231.28	14.798		
11,800.00	7,850.00	12,343.34	7,780.00	117.27	124.76	88.83	3,243.75	-4,457.13	3,423.78	3,187.32	236.46	14.479		
11,900.00	7,850.00	12,443.33	7,780.00	119.88	127.19	88.83	3,244.93	-4,557.11	3,425.04	3,183.39	241.65	14.173		
12,000.00	7,850.00	12,543.32	7,780.00	122.50	129.64	88.83	3,246.11	-4,657.10	3,426.31	3,179.46	246.85	13.880		
12,100.00	7,850.00	12,643.31	7,780.00	125.12	132.10	88.83	3,247.28	-4,757.08	3,427.57	3,175.51	252.05	13.599		
12,200.00	7,850.00	12,743.30	7,780.00	127.74	134.56	88.84	3,248.46	-4,857.07	3,428.83	3,171.56	257.27	13.328		
12,300.00	7,850.00	12,843.30	7,780.00	130.37	137.04	88.84	3,249.64	-4,957.05	3,430.10	3,167.61	262.49	13.068		
12,400.00	7,850.00	12,943.29	7,780.00	133.00	139.53	88.84	3,250.81	-5,057.04	3,431.36	3,163.64	267.71	12.817		
12,500.00	7,850.00	13,043.28	7,780.00	135.63	142.03	88.84	3,251.99	-5,157.02	3,432.62	3,159.67	272.95	12.576		
12,600.00	7,850.00	13,143.27	7,780.00	138.26	144.53	88.84	3,253.17	-5,257.01	3,433.89	3,155.70	278.19	12.344		
12,700.00	7,850.00	13,243.26	7,780.00	140.90	147.04	88.84	3,254.34	-5,356.99	3,435.15	3,151.72	283.43	12.120		
12,800.00	7,850.00	13,343.26	7,780.00	143.53	149.56	88.84	3,255.52	-5,456.98	3,436.41	3,147.73	288.68	11.904		
12,900.00	7,850.00	13,443.25	7,780.00	146.17	152.08	88.84	3,256.69	-5,556.96	3,437.68	3,143.74	293.94	11.695		
13,000.00	7,850.00	13,543.24	7,780.00	148.82	154.62	88.84	3,257.87	-5,656.95	3,438.94	3,139.74	299.20	11.494		
13,100.00	7,850.00	13,643.23	7,780.00	151.46	157.15	88.84	3,259.05	-5,756.93	3,440.20	3,135.74	304.46	11.299		
13,200.00	7,850.00	13,743.22	7,780.00	154.10	159.70	88.84	3,260.22	-5,856.92	3,441.47	3,131.74	309.73	11.111		
13,300.00	7,850.00	13,843.22	7,780.00	156.75	162.25	88.84	3,261.40	-5,956.90	3,442.73	3,127.73	315.00	10.929		
13,400.00	7,850.00	13,943.21	7,780.00	159.40	164.80	88.84	3,262.58	-6,056.89	3,443.99	3,123.72	320.28	10.753		
13,500.00	7,850.00	14,043.20	7,780.00	162.05	167.36	88.84	3,263.75	-6,156.87	3,445.26	3,119.70	325.56	10.583		
13,600.00	7,850.00	14,143.19	7,780.00	164.70	169.92	88.84	3,264.93	-6,256.86	3,446.52	3,115.68	330.84	10.417		
13,700.00	7,850.00	14,243.18	7,780.00	167.36	172.49	88.84	3,266.11	-6,356.84	3,447.79	3,111.66	336.13	10.257		
13,800.00	7,850.00	14,343.18	7,780.00	170.01	175.06	88.84	3,267.28	-6,456.83	3,449.05	3,107.63	341.42	10.102		
13,900.00	7,850.00	14,443.17	7,780.00	172.66	177.64	88.84	3,268.46	-6,556.81	3,450.31	3,103.60	346.71	9.951		
14,000.00	7,850.00	14,543.16	7,780.00	175.32	180.22	88.84	3,269.63	-6,656.80	3,451.58	3,099.57	352.01	9.805		
14,100.00	7,850.00	14,643.15	7,780.00	177.98	182.80	88.84	3,270.81	-6,756.78	3,452.84	3,095.53	357.31	9.663		
14,200.00	7,850.00	14,743.14	7,780.00	180.64	185.39	88.84	3,271.99	-6,856.77	3,454.10	3,091.49	362.61	9.526		
14,300.00	7,850.00	14,843.14	7,780.00	183.30	187.98	88.84	3,273.16	-6,956.75	3,455.37	3,087.45	367.91	9.392		
14,400.00	7,850.00	14,943.13	7,780.00	185.96	190.57	88.84	3,274.34	-7,056.74	3,456.63	3,083.41	373.22	9.262		
14,500.00	7,850.00	15,043.12	7,780.00	188.62	193.17	88.84	3,275.52	-7,156.72	3,457.89	3,079.36	378.53	9.135		
14,600.00	7,850.00	15,143.11	7,780.00	191.28	195.77	88.85	3,276.69	-7,256.71	3,459.16	3,075.32	383.84	9.012		
14,700.00	7,850.00	15,243.10	7,780.00	193.95	198.37	88.85	3,277.87	-7,356.69	3,460.42	3,071.27	389.15	8.892		
14,800.00	7,850.00	15,343.10	7,780.00	196.61	200.98	88.85	3,279.05	-7,456.68	3,461.68	3,067.22	394.47	8.776		
14,900.00	7,850.00	15,443.09	7,780.00	199.28	203.58	88.85	3,280.22	-7,556.66	3,462.95	3,063.16	399.79	8.662		
15,000.00	7,850.00	15,543.08	7,780.00	201.94	206.19	88.85	3,281.40	-7,656.65	3,464.21	3,059.11	405.10	8.551		
15,100.00	7,850.00	15,643.07	7,780.00	204.61	208.81	88.85	3,282.57	-7,756.63	3,465.47	3,055.05	410.43	8.444		
15,200.00	7,850.00	15,743.06	7,780.00	207.27	211.42	88.85	3,283.75	-7,856.62	3,466.74	3,050.99	415.75	8.339		
15,300.00	7,850.00	15,843.06	7,780.00	209.94	214.04	88.85	3,284.93	-7,956.60	3,468.00	3,046.93	421.07	8.236		
15,400.00	7,850.00	15,943.05	7,780.00	212.61	216.66	88.85	3,286.10	-8,056.59	3,469.27	3,042.87	426.40	8.136		
15,500.00	7,850.00	16,043.04	7,780.00	215.28	219.28	88.85	3,287.28	-8,156.58	3,470.53	3,038.80	431.73	8.039		

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 PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design											SEC 2-T4S-R65W - PROPERTY RESERVE 4-65 3-4 1AH - 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			
15,600.00	7,850.00	16,143.03	7,780.00	217.95	221.90	88.85	3,288.46	-8,256.56	3,471.79	3,034.74	437.05	7.944			
15,700.00	7,850.00	16,243.02	7,780.00	220.62	224.52	88.85	3,289.63	-8,356.55	3,473.06	3,030.67	442.39	7.851			
15,800.00	7,850.00	16,343.02	7,780.00	223.29	227.15	88.85	3,290.81	-8,456.53	3,474.32	3,026.60	447.72	7.760			
15,900.00	7,850.00	16,443.01	7,780.00	225.96	229.78	88.85	3,291.99	-8,556.52	3,475.58	3,022.53	453.05	7.672			
16,000.00	7,850.00	16,543.00	7,780.00	228.64	232.41	88.85	3,293.16	-8,656.50	3,476.85	3,018.46	458.38	7.585			
16,100.00	7,850.00	16,642.99	7,780.00	231.31	235.04	88.85	3,294.34	-8,756.49	3,478.11	3,014.39	463.72	7.500			
16,200.00	7,850.00	16,742.98	7,780.00	233.98	237.67	88.85	3,295.52	-8,856.47	3,479.37	3,010.32	469.06	7.418			
16,300.00	7,850.00	16,842.98	7,780.00	236.65	240.30	88.85	3,296.69	-8,956.46	3,480.64	3,006.24	474.40	7.337			
16,400.00	7,850.00	16,942.97	7,780.00	239.33	242.94	88.85	3,297.87	-9,056.44	3,481.90	3,002.17	479.74	7.258			
16,500.00	7,850.00	17,042.96	7,780.00	242.00	245.58	88.85	3,299.04	-9,156.43	3,483.16	2,998.09	485.08	7.181			
16,600.00	7,850.00	17,142.95	7,780.00	244.68	248.22	88.85	3,300.22	-9,256.41	3,484.43	2,994.01	490.42	7.105			
16,700.00	7,850.00	17,242.94	7,780.00	247.35	250.86	88.85	3,301.40	-9,356.40	3,485.69	2,989.93	495.76	7.031			
16,800.00	7,850.00	17,342.94	7,780.00	250.03	253.50	88.85	3,302.57	-9,456.38	3,486.96	2,985.85	501.10	6.959			
16,900.00	7,850.00	17,442.93	7,780.00	252.70	256.14	88.85	3,303.75	-9,556.37	3,488.22	2,981.77	506.45	6.888			
17,000.00	7,850.00	17,542.92	7,780.00	255.38	258.78	88.86	3,304.93	-9,656.35	3,489.48	2,977.69	511.79	6.818			
17,100.00	7,850.00	17,642.91	7,780.00	258.06	261.43	88.86	3,306.10	-9,756.34	3,490.75	2,973.61	517.14	6.750			
17,200.00	7,850.00	17,742.90	7,780.00	260.73	264.07	88.86	3,307.28	-9,856.32	3,492.01	2,969.52	522.49	6.683			
17,300.00	7,850.00	17,842.90	7,780.00	263.41	266.72	88.86	3,308.46	-9,956.31	3,493.27	2,965.44	527.83	6.618			
17,400.00	7,850.00	17,942.89	7,780.00	266.09	269.36	88.86	3,309.63	-10,056.29	3,494.54	2,961.35	533.18	6.554			
17,500.00	7,850.00	18,042.88	7,780.00	268.77	272.01	88.86	3,310.81	-10,156.28	3,495.80	2,957.27	538.53	6.491			
17,600.00	7,850.00	18,142.87	7,780.00	271.45	274.66	88.86	3,311.98	-10,256.26	3,497.06	2,953.18	543.88	6.430			
17,700.00	7,850.00	18,242.86	7,780.00	274.12	277.31	88.86	3,313.16	-10,356.25	3,498.33	2,949.09	549.23	6.369			
17,800.00	7,850.00	18,342.86	7,780.00	276.80	279.96	88.86	3,314.34	-10,456.23	3,499.59	2,945.01	554.59	6.310			
17,900.00	7,850.00	18,442.85	7,780.00	279.48	282.62	88.86	3,315.51	-10,556.22	3,500.85	2,940.92	559.94	6.252			
18,000.00	7,850.00	18,542.84	7,780.00	282.16	285.27	88.86	3,316.69	-10,656.20	3,502.12	2,936.83	565.29	6.195			
18,100.00	7,850.00	18,642.83	7,780.00	284.84	287.92	88.86	3,317.87	-10,756.19	3,503.38	2,932.74	570.64	6.139			
18,101.25	7,850.00	18,644.08	7,780.00	284.88	287.96	88.86	3,317.88	-10,757.43	3,503.40	2,932.69	570.71	6.139 SF			

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 2-T4S-R65W - PROPERTY RESERVE 4-65 3-4 1BH - 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	0.20	-0.20	0.00	0.00	0.00	39.71	0.00	39.71					
100.00	100.00	100.20	99.80	0.13	0.14	0.00	39.71	0.00	39.71	39.44	0.27	147.291	CC, ES	
200.00	199.98	199.78	199.78	0.49	0.49	119.84	39.71	0.00	40.55	39.57	0.98	41.450		
300.00	299.87	298.20	298.19	0.85	0.85	124.55	41.38	-0.21	44.69	42.99	1.70	26.287		
400.00	399.75	396.27	396.11	1.21	1.21	127.56	46.38	-0.82	52.54	50.12	2.42	21.712		
500.00	499.63	493.75	493.24	1.58	1.56	128.80	54.64	-1.84	63.71	60.57	3.14	20.320		
600.00	599.51	590.45	589.24	1.94	1.93	128.86	66.07	-3.24	78.09	74.24	3.85	20.298		
700.00	699.39	686.14	683.81	2.31	2.32	128.29	80.55	-5.02	95.61	91.06	4.55	20.997		
800.00	799.27	780.64	776.67	2.68	2.73	127.42	97.91	-7.16	116.26	111.01	5.25	22.129		
900.00	899.15	873.77	867.57	3.05	3.17	126.45	117.98	-9.62	140.00	134.05	5.95	23.543		
1,000.00	999.03	965.36	956.29	3.42	3.62	125.48	140.58	-12.40	166.77	160.14	6.63	25.150		
1,100.00	1,098.91	1,055.27	1,042.62	3.79	4.10	124.57	165.48	-15.46	196.53	189.24	7.29	26.952		
1,200.00	1,198.78	1,143.37	1,126.41	4.16	4.60	123.73	192.48	-18.78	229.20	221.24	7.96	28.799		
1,300.00	1,298.66	1,230.31	1,207.51	4.52	5.12	122.97	221.35	-22.33	264.69	256.08	8.61	30.749		
1,400.00	1,398.54	1,322.41	1,294.45	4.89	5.70	122.27	253.78	-26.32	301.60	292.27	9.33	32.328		
1,500.00	1,498.42	1,415.29	1,381.40	5.26	6.29	121.73	286.22	-30.31	338.55	328.49	10.06	33.657		
1,600.00	1,598.30	1,508.18	1,468.35	5.63	6.90	121.29	318.65	-34.29	375.51	364.72	10.79	34.796		
1,700.00	1,698.18	1,601.06	1,555.29	6.00	7.50	120.94	351.08	-38.28	412.49	400.96	11.53	35.784		
1,800.00	1,798.06	1,706.05	1,642.24	6.37	8.19	120.64	383.52	-42.27	449.48	437.16	12.32	36.491		
1,900.00	1,897.94	1,786.83	1,729.18	6.74	8.73	120.38	415.95	-46.26	486.47	473.47	13.00	37.407		
2,000.00	1,997.82	1,879.71	1,816.13	7.11	9.35	120.17	448.38	-50.24	523.48	509.73	13.75	38.081		
2,100.00	2,097.70	1,972.60	1,903.08	7.48	9.97	119.98	480.82	-54.23	560.49	546.00	14.49	38.684		
2,200.00	2,197.58	2,065.48	1,990.02	7.84	10.59	119.81	513.25	-58.22	597.51	582.27	15.23	39.224		
2,300.00	2,297.46	2,158.37	2,076.97	8.21	11.21	119.67	545.69	-62.21	634.53	618.55	15.98	39.712		
2,400.00	2,397.33	2,251.25	2,163.91	8.58	11.83	119.54	578.12	-66.19	671.55	654.82	16.72	40.155		
2,500.00	2,497.21	2,344.13	2,250.86	8.95	12.46	119.42	610.55	-70.18	708.57	691.10	17.47	40.558		
2,600.00	2,597.09	2,437.02	2,337.80	9.32	13.08	119.31	642.99	-74.17	745.60	727.38	18.22	40.926		
2,700.00	2,696.97	2,529.90	2,424.75	9.69	13.71	119.22	675.42	-78.16	782.63	763.67	18.97	41.265		
2,800.00	2,796.85	2,622.79	2,511.70	10.06	14.34	119.13	707.85	-82.14	819.66	799.95	19.71	41.576		
2,900.00	2,896.73	2,715.67	2,598.64	10.43	14.96	119.05	740.29	-86.13	856.70	836.23	20.46	41.864		
3,000.00	2,996.61	2,808.55	2,685.59	10.80	15.59	118.98	772.72	-90.12	893.73	872.52	21.21	42.130		
3,100.00	3,096.49	2,901.44	2,772.53	11.17	16.22	118.92	805.16	-94.10	930.77	908.80	21.96	42.378		
3,200.00	3,196.37	3,005.68	2,859.48	11.53	16.93	118.85	837.59	-98.09	967.80	945.04	22.76	42.514		
3,300.00	3,296.25	3,087.20	2,946.42	11.90	17.48	118.80	870.02	-102.08	1,004.84	981.37	23.46	42.823		
3,400.00	3,396.13	3,180.09	3,033.37	12.27	18.11	118.74	902.46	-106.07	1,041.88	1,017.66	24.22	43.024		
3,500.00	3,496.01	3,272.97	3,120.32	12.64	18.74	118.69	934.89	-110.05	1,078.92	1,053.95	24.97	43.213		
3,600.00	3,595.88	3,365.86	3,207.26	13.01	19.37	118.65	967.33	-114.04	1,115.95	1,090.24	25.72	43.390		
3,700.00	3,695.76	3,458.74	3,294.21	13.38	20.00	118.61	999.76	-118.03	1,152.99	1,126.52	26.47	43.556		
3,800.00	3,795.64	3,551.62	3,381.15	13.75	20.63	118.57	1,032.19	-122.02	1,190.03	1,162.81	27.22	43.713		
3,900.00	3,895.52	3,644.51	3,468.10	14.12	21.26	118.53	1,064.63	-126.00	1,227.08	1,199.10	27.98	43.861		
4,000.00	3,995.40	3,737.39	3,555.04	14.49	21.89	118.49	1,097.06	-129.99	1,264.12	1,235.39	28.73	44.001		
4,100.00	4,095.28	3,830.28	3,641.99	14.86	22.52	118.46	1,129.49	-133.98	1,301.16	1,271.68	29.48	44.133		
4,200.00	4,195.16	3,923.16	3,728.94	15.22	23.15	118.43	1,161.93	-137.97	1,338.20	1,307.96	30.24	44.259		
4,300.00	4,295.04	4,016.04	3,815.88	15.59	23.78	118.40	1,194.36	-141.95	1,375.24	1,344.25	30.99	44.378		
4,400.00	4,394.92	4,108.93	3,902.83	15.96	24.42	118.37	1,226.80	-145.94	1,412.29	1,380.54	31.74	44.491		
4,500.00	4,494.80	4,201.81	3,989.77	16.33	25.05	118.34	1,259.23	-149.93	1,449.33	1,416.83	32.50	44.598		
4,600.00	4,594.68	4,305.30	4,076.72	16.70	25.75	118.31	1,291.66	-153.92	1,486.37	1,453.07	33.30	44.637		
4,700.00	4,694.56	4,387.58	4,163.67	17.07	26.31	118.29	1,324.10	-157.90	1,523.42	1,489.41	34.01	44.798		
4,800.00	4,794.43	4,480.46	4,250.61	17.44	26.94	118.27	1,356.53	-161.89	1,560.46	1,525.70	34.76	44.891		
4,900.00	4,894.31	4,573.35	4,337.56	17.81	27.57	118.24	1,388.97	-165.88	1,597.50	1,561.99	35.52	44.980		
5,000.00	4,994.19	4,666.23	4,424.50	18.18	28.21	118.22	1,421.40	-169.87	1,634.55	1,598.28	36.27	45.064		
5,100.00	5,094.07	4,759.12	4,511.45	18.55	28.84	118.20	1,453.83	-173.85	1,671.59	1,634.57	37.03	45.145		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 2-T4S-R65W - PROPERTY RESERVE 4-65 3-4 1BH - 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		
5,200.00	5,193.95	4,852.00	4,598.39	18.91	29.47	118.18	1,486.27	-177.84	1,708.64	1,670.85	37.78	45.223		
5,300.00	5,293.83	4,944.88	4,685.34	19.28	30.10	118.16	1,518.70	-181.83	1,745.68	1,707.14	38.54	45.297		
5,400.00	5,393.71	5,037.77	4,772.29	19.65	30.74	118.15	1,551.13	-185.82	1,782.73	1,743.43	39.29	45.369		
5,500.00	5,493.59	5,130.65	4,859.23	20.02	31.37	118.13	1,583.57	-189.80	1,819.77	1,779.72	40.05	45.437		
5,600.00	5,593.47	5,223.53	4,946.18	20.39	32.00	118.11	1,616.00	-193.79	1,856.82	1,816.01	40.81	45.503		
5,700.00	5,693.35	5,316.42	5,033.12	20.76	32.63	118.10	1,648.44	-197.78	1,893.86	1,852.30	41.56	45.566		
5,800.00	5,793.23	5,409.30	5,120.07	21.13	33.27	118.08	1,680.87	-201.77	1,930.91	1,888.59	42.32	45.626		
5,900.00	5,893.11	5,502.19	5,207.01	21.50	33.90	118.07	1,713.30	-205.75	1,967.95	1,924.87	43.08	45.684		
6,000.00	5,992.99	5,604.93	5,293.96	21.87	34.60	118.05	1,745.74	-209.74	2,005.00	1,961.12	43.88	45.695		
6,100.00	6,092.86	5,687.95	5,380.91	22.24	35.16	118.04	1,778.17	-213.73	2,042.04	1,997.45	44.59	45.794		
6,200.00	6,192.74	5,780.84	5,467.85	22.60	35.80	118.03	1,810.60	-217.72	2,079.09	2,033.74	45.35	45.846		
6,300.00	6,292.62	5,873.72	5,554.80	22.97	36.43	118.01	1,843.04	-221.70	2,116.14	2,070.03	46.11	45.896		
6,400.00	6,392.50	5,966.61	5,641.74	23.34	37.06	118.00	1,875.47	-225.69	2,153.18	2,106.32	46.87	45.944		
6,500.00	6,492.38	6,059.49	5,728.69	23.71	37.70	117.99	1,907.91	-229.68	2,190.23	2,142.60	47.62	45.990		
6,600.00	6,592.26	6,152.37	5,815.63	24.08	38.33	117.98	1,940.34	-233.66	2,227.27	2,178.89	48.38	46.035		
6,700.00	6,692.14	6,245.26	5,902.58	24.45	38.96	117.97	1,972.77	-237.65	2,264.32	2,215.18	49.14	46.078		
6,800.00	6,792.02	6,338.14	5,989.53	24.82	39.59	117.96	2,005.21	-241.64	2,301.37	2,251.47	49.90	46.120		
6,900.00	6,891.90	6,431.03	6,076.47	25.19	40.23	117.95	2,037.64	-245.63	2,338.41	2,287.75	50.66	46.160		
7,000.00	6,991.78	6,523.91	6,163.42	25.56	40.86	117.94	2,070.08	-249.61	2,375.46	2,324.04	51.42	46.199		
7,100.00	7,091.66	6,616.79	6,250.36	25.93	41.49	117.93	2,102.51	-253.60	2,412.50	2,360.33	52.18	46.236		
7,200.00	7,191.54	6,709.68	6,337.31	26.29	42.13	117.92	2,134.94	-257.59	2,449.55	2,396.61	52.94	46.272		
7,300.00	7,291.41	6,802.56	6,424.26	26.66	42.76	117.91	2,167.38	-261.58	2,486.60	2,432.90	53.70	46.307		
7,400.00	7,390.63	6,904.88	6,510.90	27.05	43.46	93.45	2,199.70	-265.55	2,523.55	2,469.02	54.53	46.278		
7,500.00	7,486.41	6,985.22	6,595.23	27.49	44.00	87.13	2,231.16	-269.42	2,559.73	2,504.39	55.34	46.254		
7,600.00	7,575.82	7,070.10	6,674.69	27.98	44.58	83.23	2,260.80	-273.06	2,594.51	2,538.25	56.25	46.121		
7,700.00	7,656.17	7,147.19	6,746.86	28.54	45.11	80.29	2,287.72	-276.37	2,627.51	2,570.27	57.24	45.906		
7,800.00	7,724.99	7,214.16	6,809.54	29.19	45.56	77.88	2,311.10	-279.25	2,658.59	2,600.28	58.31	45.595		
7,900.00	7,780.22	7,268.96	6,860.83	29.99	45.94	75.75	2,330.24	-281.60	2,687.71	2,628.22	59.50	45.175		
8,000.00	7,820.15	7,309.92	6,899.18	30.95	46.22	73.76	2,344.54	-283.36	2,714.86	2,654.05	60.81	44.647		
8,100.00	7,843.59	7,335.82	6,923.42	32.08	46.39	71.79	2,353.58	-284.47	2,739.90	2,677.67	62.23	44.027		
8,200.00	7,850.00	7,346.01	6,932.96	33.35	46.46	70.10	2,357.14	-284.91	2,762.65	2,698.92	63.72	43.353		
8,300.00	7,850.00	7,350.27	6,936.95	34.77	46.49	70.19	2,358.63	-285.09	2,766.60	2,721.29	65.31	42.664		
8,400.00	7,850.00	7,354.54	6,940.94	36.34	46.52	70.28	2,360.12	-285.27	2,813.90	2,746.89	67.01	41.993		
8,500.00	7,850.00	7,358.80	6,944.93	38.03	46.55	70.37	2,361.61	-285.46	2,844.45	2,775.67	68.78	41.357		
8,600.00	7,850.00	7,363.06	6,948.92	39.84	46.58	70.46	2,363.10	-285.64	2,878.14	2,807.55	70.59	40.770		
8,700.00	7,850.00	9,161.08	7,850.00	41.74	59.36	90.00	2,704.21	-1,383.83	2,880.61	2,793.35	87.26	33.010		
8,800.00	7,850.00	9,261.08	7,850.00	43.72	60.49	90.00	2,704.68	-1,483.83	2,881.17	2,790.07	91.10	31.627		
8,900.00	7,850.00	9,361.08	7,850.00	45.78	61.72	90.00	2,705.15	-1,583.82	2,881.73	2,786.64	95.08	30.307		
9,000.00	7,850.00	9,461.08	7,850.00	47.90	63.06	90.00	2,705.62	-1,683.82	2,882.29	2,783.09	99.20	29.055		
9,100.00	7,850.00	9,561.08	7,850.00	50.08	64.49	90.00	2,706.09	-1,783.82	2,882.85	2,779.41	103.44	27.871		
9,200.00	7,850.00	9,661.08	7,850.00	52.30	66.02	90.00	2,706.56	-1,883.82	2,883.40	2,775.63	107.77	26.755		
9,300.00	7,850.00	9,761.08	7,850.00	54.57	67.63	90.00	2,707.03	-1,983.81	2,883.96	2,771.76	112.20	25.704		
9,400.00	7,850.00	9,861.07	7,850.00	56.87	69.32	90.00	2,707.51	-2,083.81	2,884.52	2,767.81	116.71	24.716		
9,500.00	7,850.00	9,961.07	7,850.00	59.21	71.10	90.00	2,707.98	-2,183.81	2,885.08	2,763.79	121.29	23.787		
9,600.00	7,850.00	10,061.07	7,850.00	61.58	72.94	90.00	2,708.45	-2,283.81	2,885.64	2,759.70	125.93	22.914		
9,700.00	7,850.00	10,161.07	7,850.00	63.97	74.84	90.00	2,708.92	-2,383.80	2,886.20	2,755.56	130.63	22.094		
9,800.00	7,850.00	10,261.07	7,850.00	66.38	76.81	90.00	2,709.39	-2,483.80	2,886.75	2,751.37	135.39	21.322		
9,900.00	7,850.00	10,361.07	7,850.00	68.82	78.82	90.00	2,709.86	-2,583.80	2,887.31	2,747.13	140.18	20.597		
10,000.00	7,850.00	10,461.06	7,850.00	71.27	80.89	90.00	2,710.33	-2,683.80	2,887.87	2,742.85	145.02	19.913		
10,100.00	7,850.00	10,561.06	7,850.00	73.75	83.00	90.00	2,710.80	-2,783.79	2,888.43	2,738.53	149.90	19.269		
10,200.00	7,850.00	10,661.06	7,850.00	76.23	85.15	90.00	2,711.27	-2,883.79	2,888.99	2,734.18	154.81	18.661		
10,300.00	7,850.00	10,761.06	7,850.00	78.73	87.34	90.00	2,711.75	-2,983.79	2,889.55	2,729.79	159.75	18.088		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 2-T4S-R65W - PROPERTY RESERVE 4-65 3-4 1BH - 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		
10,400.00	7,850.00	10,861.06	7,850.00	81.25	89.55	90.00	2,712.22	-3,083.78	2,890.10	2,725.38	164.72	17.545		
10,500.00	7,850.00	10,961.06	7,850.00	83.77	91.80	90.00	2,712.69	-3,183.78	2,890.66	2,720.95	169.72	17.032		
10,600.00	7,850.00	11,061.06	7,850.00	86.30	94.08	90.00	2,713.16	-3,283.78	2,891.22	2,716.49	174.73	16.546		
10,700.00	7,850.00	11,161.05	7,850.00	88.85	96.39	90.00	2,713.63	-3,383.78	2,891.78	2,712.01	179.77	16.086		
10,800.00	7,850.00	11,261.05	7,850.00	91.40	98.71	90.00	2,714.10	-3,483.77	2,892.34	2,707.51	184.83	15.648		
10,900.00	7,850.00	11,361.05	7,850.00	93.96	101.06	90.00	2,714.57	-3,583.77	2,892.90	2,702.99	189.91	15.233		
11,000.00	7,850.00	11,461.05	7,850.00	96.53	103.43	90.00	2,715.04	-3,683.77	2,893.45	2,698.45	195.00	14.838		
11,100.00	7,850.00	11,561.05	7,850.00	99.10	105.81	90.00	2,715.51	-3,783.77	2,894.01	2,693.90	200.11	14.462		
11,200.00	7,850.00	11,661.05	7,850.00	101.68	108.21	90.00	2,715.99	-3,883.76	2,894.57	2,689.33	205.24	14.104		
11,300.00	7,850.00	11,761.04	7,850.00	104.27	110.63	90.00	2,716.46	-3,983.76	2,895.13	2,684.76	210.37	13.762		
11,400.00	7,850.00	11,861.04	7,850.00	106.86	113.06	90.00	2,716.93	-4,083.76	2,895.69	2,680.17	215.52	13.436		
11,500.00	7,850.00	11,961.04	7,850.00	109.45	115.51	90.00	2,717.40	-4,183.76	2,896.25	2,675.56	220.68	13.124		
11,600.00	7,850.00	12,061.04	7,850.00	112.06	117.96	90.00	2,717.87	-4,283.75	2,896.80	2,670.95	225.85	12.826		
11,700.00	7,850.00	12,161.04	7,850.00	114.66	120.43	90.00	2,718.34	-4,383.75	2,897.36	2,666.33	231.04	12.541		
11,800.00	7,850.00	12,261.04	7,850.00	117.27	122.91	90.00	2,718.81	-4,483.75	2,897.92	2,661.70	236.23	12.268		
11,900.00	7,850.00	12,361.03	7,850.00	119.88	125.40	90.00	2,719.28	-4,583.74	2,898.48	2,657.05	241.43	12.006		
12,000.00	7,850.00	12,461.03	7,850.00	122.50	127.90	90.00	2,719.75	-4,683.74	2,899.04	2,652.41	246.63	11.754		
12,100.00	7,850.00	12,561.03	7,850.00	125.12	130.40	90.00	2,720.22	-4,783.74	2,899.60	2,647.75	251.85	11.513		
12,200.00	7,850.00	12,661.03	7,850.00	127.74	132.92	90.00	2,720.70	-4,883.74	2,900.16	2,643.09	257.07	11.282		
12,300.00	7,850.00	12,761.03	7,850.00	130.37	135.44	90.00	2,721.17	-4,983.73	2,900.71	2,638.42	262.30	11.059		
12,400.00	7,850.00	12,861.03	7,850.00	133.00	137.97	90.00	2,721.64	-5,083.73	2,901.27	2,633.74	267.53	10.845		
12,500.00	7,850.00	12,961.03	7,850.00	135.63	140.50	90.00	2,722.11	-5,183.73	2,901.83	2,629.06	272.77	10.638		
12,600.00	7,850.00	13,061.02	7,850.00	138.26	143.05	90.00	2,722.58	-5,283.73	2,902.39	2,624.37	278.02	10.439		
12,700.00	7,850.00	13,161.02	7,850.00	140.90	145.59	90.00	2,723.05	-5,383.72	2,902.95	2,619.67	283.27	10.248		
12,800.00	7,850.00	13,261.02	7,850.00	143.53	148.15	90.00	2,723.52	-5,483.72	2,903.51	2,614.98	288.53	10.063		
12,900.00	7,850.00	13,361.02	7,850.00	146.17	150.71	90.00	2,723.99	-5,583.72	2,904.06	2,610.27	293.79	9.885		
13,000.00	7,850.00	13,461.02	7,850.00	148.82	153.27	90.00	2,724.46	-5,683.72	2,904.62	2,605.56	299.06	9.713		
13,100.00	7,850.00	13,561.02	7,850.00	151.46	155.84	90.00	2,724.94	-5,783.71	2,905.18	2,600.85	304.33	9.546		
13,200.00	7,850.00	13,661.01	7,850.00	154.10	158.41	90.00	2,725.41	-5,883.71	2,905.74	2,596.14	309.60	9.385		
13,300.00	7,850.00	13,761.01	7,850.00	156.75	160.99	90.00	2,725.88	-5,983.71	2,906.30	2,591.42	314.88	9.230		
13,400.00	7,850.00	13,861.01	7,850.00	159.40	163.57	90.00	2,726.35	-6,083.70	2,906.86	2,586.69	320.16	9.079		
13,500.00	7,850.00	13,961.01	7,850.00	162.05	166.16	90.00	2,726.82	-6,183.70	2,907.41	2,581.97	325.45	8.934		
13,600.00	7,850.00	14,061.01	7,850.00	164.70	168.75	90.00	2,727.29	-6,283.70	2,907.97	2,577.23	330.74	8.792		
13,700.00	7,850.00	14,161.01	7,850.00	167.36	171.34	90.00	2,727.76	-6,383.70	2,908.53	2,572.50	336.03	8.656		
13,800.00	7,850.00	14,261.01	7,850.00	170.01	173.94	90.00	2,728.23	-6,483.69	2,909.09	2,567.76	341.32	8.523		
13,900.00	7,850.00	14,361.00	7,850.00	172.66	176.54	90.00	2,728.70	-6,583.69	2,909.65	2,563.02	346.62	8.394		
14,000.00	7,850.00	14,461.00	7,850.00	175.32	179.14	90.00	2,729.18	-6,683.69	2,910.21	2,558.28	351.92	8.269		
14,100.00	7,850.00	14,561.00	7,850.00	177.98	181.74	90.00	2,729.65	-6,783.69	2,910.76	2,553.54	357.23	8.148		
14,200.00	7,850.00	14,661.00	7,850.00	180.64	184.35	90.00	2,730.12	-6,883.68	2,911.32	2,548.79	362.53	8.031		
14,300.00	7,850.00	14,761.00	7,850.00	183.30	186.96	90.00	2,730.59	-6,983.68	2,911.88	2,544.04	367.84	7.916		
14,400.00	7,850.00	14,861.00	7,850.00	185.96	189.57	90.00	2,731.06	-7,083.68	2,912.44	2,539.29	373.15	7.805		
14,500.00	7,850.00	14,960.99	7,850.00	188.62	192.19	90.00	2,731.53	-7,183.68	2,913.00	2,534.53	378.46	7.697		
14,600.00	7,850.00	15,060.99	7,850.00	191.28	194.81	90.00	2,732.00	-7,283.67	2,913.56	2,529.78	383.78	7.592		
14,700.00	7,850.00	15,160.99	7,850.00	193.95	197.43	90.00	2,732.47	-7,383.67	2,914.11	2,525.02	389.10	7.489		
14,800.00	7,850.00	15,260.99	7,850.00	196.61	200.05	90.00	2,732.94	-7,483.67	2,914.67	2,520.26	394.42	7.390		
14,900.00	7,850.00	15,360.99	7,850.00	199.28	202.67	90.00	2,733.41	-7,583.66	2,915.23	2,515.50	399.74	7.293		
15,000.00	7,850.00	15,460.99	7,850.00	201.94	205.30	90.00	2,733.89	-7,683.66	2,915.79	2,510.73	405.06	7.198		
15,100.00	7,850.00	15,560.99	7,850.00	204.61	207.93	90.00	2,734.36	-7,783.66	2,916.35	2,505.97	410.38	7.106		
15,200.00	7,850.00	15,660.98	7,850.00	207.27	210.55	90.00	2,734.83	-7,883.66	2,916.91	2,501.20	415.71	7.017		
15,300.00	7,850.00	15,760.98	7,850.00	209.94	213.19	90.00	2,735.30	-7,983.65	2,917.47	2,496.43	421.04	6.929		
15,400.00	7,850.00	15,860.98	7,850.00	212.61	215.82	90.00	2,735.77	-8,083.65	2,918.02	2,491.66	426.36	6.844		
15,500.00	7,850.00	15,960.98	7,850.00	215.28	218.45	90.00	2,736.24	-8,183.65	2,918.58	2,486.89	431.70	6.761		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 2-T4S-R65W - PROPERTY RESERVE 4-65 3-4 1BH - 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	
15,600.00	7,850.00	16,060.98	7,850.00	217.95	221.09	90.00	2,736.71	-8,283.65	2,919.14	2,482.11	437.03	6.680	
15,700.00	7,850.00	16,160.98	7,850.00	220.62	223.73	90.00	2,737.18	-8,383.64	2,919.70	2,477.34	442.36	6.600	
15,800.00	7,850.00	16,260.97	7,850.00	223.29	226.36	90.00	2,737.65	-8,483.64	2,920.26	2,472.56	447.70	6.523	
15,900.00	7,850.00	16,360.97	7,850.00	225.96	229.00	90.00	2,738.13	-8,583.64	2,920.82	2,467.78	453.03	6.447	
16,000.00	7,850.00	16,460.97	7,850.00	228.64	231.65	90.00	2,738.60	-8,683.64	2,921.37	2,463.01	458.37	6.373	
16,100.00	7,850.00	16,560.97	7,850.00	231.31	234.29	90.00	2,739.07	-8,783.63	2,921.93	2,458.23	463.71	6.301	
16,200.00	7,850.00	16,660.97	7,850.00	233.98	236.93	90.00	2,739.54	-8,883.63	2,922.49	2,453.44	469.05	6.231	
16,300.00	7,850.00	16,760.97	7,850.00	236.65	239.58	90.00	2,740.01	-8,983.63	2,923.05	2,448.66	474.39	6.162	
16,400.00	7,850.00	16,860.96	7,850.00	239.33	242.22	90.00	2,740.48	-9,083.62	2,923.61	2,443.88	479.73	6.094	
16,500.00	7,850.00	16,960.96	7,850.00	242.00	244.87	90.00	2,740.95	-9,183.62	2,924.17	2,439.10	485.07	6.028	
16,600.00	7,850.00	17,060.96	7,850.00	244.68	247.52	90.00	2,741.42	-9,283.62	2,924.72	2,434.31	490.41	5.964	
16,700.00	7,850.00	17,160.96	7,850.00	247.35	250.17	90.00	2,741.89	-9,383.62	2,925.28	2,429.52	495.76	5.901	
16,800.00	7,850.00	17,260.96	7,850.00	250.03	252.82	90.00	2,742.36	-9,483.61	2,925.84	2,424.74	501.10	5.839	
16,900.00	7,850.00	17,360.96	7,850.00	252.70	255.47	90.00	2,742.84	-9,583.61	2,926.40	2,419.95	506.45	5.778	
17,000.00	7,850.00	17,460.96	7,850.00	255.38	258.12	90.00	2,743.31	-9,683.61	2,926.96	2,415.16	511.80	5.719	
17,100.00	7,850.00	17,560.95	7,850.00	258.06	260.77	90.00	2,743.78	-9,783.61	2,927.52	2,410.37	517.15	5.661	
17,200.00	7,850.00	17,660.95	7,850.00	260.73	263.43	90.00	2,744.25	-9,883.60	2,928.07	2,405.58	522.50	5.604	
17,300.00	7,850.00	17,760.95	7,850.00	263.41	266.08	90.00	2,744.72	-9,983.60	2,928.63	2,400.79	527.85	5.548	
17,400.00	7,850.00	17,860.95	7,850.00	266.09	268.74	90.00	2,745.19	-10,083.60	2,929.19	2,396.00	533.20	5.494	
17,500.00	7,850.00	17,960.95	7,850.00	268.77	271.40	90.00	2,745.66	-10,183.60	2,929.75	2,391.20	538.55	5.440	
17,600.00	7,850.00	18,060.95	7,850.00	271.45	274.05	90.00	2,746.13	-10,283.59	2,930.31	2,386.41	543.90	5.388	
17,700.00	7,850.00	18,160.94	7,850.00	274.12	276.71	90.00	2,746.60	-10,383.59	2,930.87	2,381.61	549.25	5.336	
17,800.00	7,850.00	18,260.94	7,850.00	276.80	279.37	90.00	2,747.08	-10,483.59	2,931.42	2,376.82	554.61	5.286	
17,900.00	7,850.00	18,360.94	7,850.00	279.48	282.03	90.00	2,747.55	-10,583.58	2,931.98	2,372.02	559.96	5.236	
18,000.00	7,850.00	18,460.94	7,850.00	282.16	284.69	90.00	2,748.02	-10,683.58	2,932.54	2,367.23	565.31	5.187	
18,100.00	7,850.00	18,560.94	7,850.00	284.84	287.35	90.00	2,748.49	-10,783.58	2,933.10	2,362.43	570.67	5.140	
18,101.25	7,850.00	18,562.18	7,850.00	284.88	287.38	90.00	2,748.49	-10,784.83	2,933.11	2,362.37	570.74	5.139 SF	

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 2-T4S-R65W - PROPERTY RESERVE 4-65 3-4 3BH - 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	0.10	-0.10	0.00	0.00	0.00	20.03	0.00	20.03					
100.00	100.00	100.10	99.90	0.13	0.13	0.00	20.03	0.00	20.03	19.77	0.27	74.420	CC, ES	
200.00	199.98	199.88	199.88	0.49	0.49	121.89	20.03	0.00	20.90	19.92	0.98	21.360		
300.00	299.87	299.18	299.16	0.85	0.85	128.46	21.47	-0.95	24.88	23.18	1.70	14.635		
400.00	399.75	398.25	398.10	1.21	1.21	128.86	25.76	-3.78	31.65	29.23	2.42	13.074		
500.00	499.63	502.41	497.12	1.58	1.59	126.43	32.29	-8.09	40.37	37.21	3.16	12.768		
600.00	599.51	602.82	596.39	1.94	1.97	124.70	39.00	-12.52	49.29	45.40	3.89	12.665		
700.00	699.39	703.23	695.65	2.31	2.34	123.51	45.71	-16.95	58.23	53.61	4.62	12.595		
800.00	799.27	803.64	794.92	2.68	2.72	122.64	52.43	-21.38	67.20	61.84	5.36	12.545		
900.00	899.15	904.04	894.19	3.05	3.10	121.97	59.14	-25.81	76.17	70.08	6.09	12.508		
1,000.00	999.03	1,004.45	993.46	3.42	3.48	121.44	65.85	-30.24	85.16	78.33	6.82	12.479		
1,100.00	1,098.91	1,104.86	1,092.72	3.79	3.86	121.01	72.56	-34.67	94.15	86.59	7.56	12.456		
1,200.00	1,198.78	1,205.26	1,191.99	4.16	4.25	120.66	79.27	-39.10	103.14	94.85	8.29	12.437		
1,300.00	1,298.66	1,305.67	1,291.26	4.52	4.63	120.36	85.98	-43.53	112.14	103.11	9.03	12.421		
1,400.00	1,398.54	1,406.08	1,390.53	4.89	5.01	120.11	92.70	-47.96	121.14	111.38	9.76	12.407		
1,500.00	1,498.42	1,506.49	1,489.79	5.26	5.39	119.89	99.41	-52.39	130.14	119.64	10.50	12.396		
1,600.00	1,598.30	1,606.89	1,589.06	5.63	5.77	119.70	106.12	-56.83	139.15	127.91	11.23	12.386		
1,700.00	1,698.18	1,707.30	1,688.33	6.00	6.15	119.54	112.83	-61.26	148.15	136.18	11.97	12.377		
1,800.00	1,798.06	1,807.71	1,787.60	6.37	6.54	119.39	119.54	-65.69	157.16	144.45	12.71	12.370		
1,900.00	1,897.94	1,908.11	1,886.86	6.74	6.92	119.26	126.25	-70.12	166.16	152.72	13.44	12.363		
2,000.00	1,997.82	2,008.52	1,986.13	7.11	7.30	119.14	132.97	-74.55	175.17	161.00	14.18	12.357		
2,100.00	2,097.70	2,091.07	2,085.40	7.48	7.61	119.03	139.68	-78.98	184.18	169.33	14.85	12.406		
2,200.00	2,197.58	2,209.34	2,184.67	7.84	8.06	118.94	146.39	-83.41	193.19	177.54	15.65	12.346		
2,300.00	2,297.46	2,309.74	2,283.93	8.21	8.44	118.85	153.10	-87.84	202.20	185.82	16.38	12.342		
2,400.00	2,397.33	2,389.85	2,383.20	8.58	8.75	118.77	159.81	-92.27	211.21	194.17	17.04	12.392		
2,500.00	2,497.21	2,489.44	2,482.47	8.95	9.13	118.70	166.53	-96.70	220.22	202.44	17.78	12.388		
2,600.00	2,597.09	2,589.04	2,581.74	9.32	9.51	118.63	173.24	-101.13	229.23	210.72	18.51	12.385		
2,700.00	2,696.97	2,688.63	2,681.01	9.69	9.89	118.57	179.95	-105.56	238.24	219.00	19.24	12.381		
2,800.00	2,796.85	2,788.22	2,780.27	10.06	10.27	118.51	186.66	-109.99	247.25	227.28	19.97	12.378		
2,900.00	2,896.73	2,887.81	2,879.54	10.43	10.64	118.45	193.37	-114.42	256.26	235.56	20.71	12.375		
3,000.00	2,996.61	2,987.41	2,978.81	10.80	11.02	118.40	200.08	-118.85	265.28	243.84	21.44	12.373		
3,100.00	3,096.49	3,087.00	3,078.08	11.17	11.40	118.36	206.80	-123.28	274.29	252.11	22.17	12.370		
3,200.00	3,196.37	3,186.59	3,177.34	11.53	11.78	118.31	213.51	-127.71	283.30	260.39	22.91	12.368		
3,300.00	3,296.25	3,286.19	3,276.61	11.90	12.16	118.27	220.22	-132.14	292.31	268.67	23.64	12.366		
3,400.00	3,396.13	3,385.78	3,375.88	12.27	12.54	118.23	226.93	-136.57	301.32	276.95	24.37	12.364		
3,500.00	3,496.01	3,485.37	3,475.15	12.64	12.92	118.19	233.64	-141.00	310.34	285.23	25.11	12.362		
3,600.00	3,595.88	3,584.96	3,574.41	13.01	13.30	118.16	240.35	-145.44	319.35	293.51	25.84	12.360		
3,700.00	3,695.76	3,684.56	3,673.68	13.38	13.68	118.13	247.07	-149.87	328.36	301.79	26.57	12.358		
3,800.00	3,795.64	3,784.15	3,772.95	13.75	14.06	118.10	253.78	-154.30	337.38	310.07	27.30	12.356		
3,900.00	3,895.52	3,883.74	3,872.22	14.12	14.43	118.07	260.49	-158.73	346.39	318.35	28.04	12.355		
4,000.00	3,995.40	3,983.34	3,971.48	14.49	14.81	118.04	267.20	-163.16	355.40	326.63	28.77	12.353		
4,100.00	4,095.28	4,082.93	4,070.75	14.86	15.19	118.01	273.91	-167.59	364.41	334.91	29.50	12.352		
4,200.00	4,195.16	4,182.52	4,170.02	15.22	15.57	117.99	280.63	-172.02	373.43	343.19	30.24	12.351		
4,300.00	4,295.04	4,282.11	4,269.29	15.59	15.95	117.96	287.34	-176.45	382.44	351.47	30.97	12.349		
4,400.00	4,394.92	4,381.71	4,368.55	15.96	16.33	117.94	294.05	-180.88	391.45	359.75	31.70	12.348		
4,500.00	4,494.80	4,481.30	4,467.82	16.33	16.71	117.92	300.76	-185.31	400.47	368.03	32.43	12.347		
4,600.00	4,594.68	4,580.89	4,567.09	16.70	17.09	117.90	307.47	-189.74	409.48	376.31	33.17	12.346		
4,700.00	4,694.56	4,680.49	4,666.36	17.07	17.47	117.88	314.18	-194.17	418.49	384.59	33.90	12.345		
4,800.00	4,794.43	4,780.08	4,765.63	17.44	17.85	117.86	320.90	-198.60	427.51	392.87	34.63	12.344		
4,900.00	4,894.31	4,879.67	4,864.89	17.81	18.22	117.84	327.61	-203.03	436.52	401.16	35.37	12.343		
5,000.00	4,994.19	4,979.26	4,964.16	18.18	18.60	117.82	334.32	-207.46	445.54	409.44	36.10	12.342		
5,100.00	5,094.07	5,078.86	5,063.43	18.55	18.98	117.81	341.03	-211.89	454.55	417.72	36.83	12.341		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 2-T4S-R65W - PROPERTY RESERVE 4-65 3-4 3BH - 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		
5,200.00	5,193.95	5,178.45	5,162.70	18.91	19.36	117.79	347.74	-216.32	463.56	426.00	37.57	12.340		
5,300.00	5,293.83	5,278.04	5,261.96	19.28	19.74	117.77	354.45	-220.75	472.58	434.28	38.30	12.339		
5,400.00	5,393.71	5,377.64	5,361.23	19.65	20.12	117.76	361.17	-225.18	481.59	442.56	39.03	12.338		
5,500.00	5,493.59	5,477.23	5,460.50	20.02	20.50	117.74	367.88	-229.61	490.60	450.84	39.77	12.338		
5,600.00	5,593.47	5,576.82	5,559.77	20.39	20.88	117.73	374.59	-234.04	499.62	459.12	40.50	12.337		
5,700.00	5,693.35	5,676.41	5,659.03	20.76	21.26	117.72	381.30	-238.48	508.63	467.40	41.23	12.336		
5,800.00	5,793.23	5,776.01	5,758.30	21.13	21.64	117.70	388.01	-242.91	517.65	475.68	41.96	12.335		
5,900.00	5,893.11	5,875.60	5,857.57	21.50	22.02	117.69	394.73	-247.34	526.66	483.96	42.70	12.335		
6,000.00	5,992.99	5,975.19	5,956.84	21.87	22.40	117.68	401.44	-251.77	535.67	492.24	43.43	12.334		
6,100.00	6,092.86	6,074.79	6,056.10	22.24	22.77	117.67	408.15	-256.20	544.69	500.52	44.16	12.333		
6,200.00	6,192.74	6,174.38	6,155.37	22.60	23.15	117.66	414.86	-260.63	553.70	508.80	44.90	12.333		
6,300.00	6,292.62	6,273.97	6,254.64	22.97	23.53	117.65	421.57	-265.06	562.72	517.09	45.63	12.332		
6,400.00	6,392.50	6,373.56	6,353.91	23.34	23.91	117.63	428.28	-269.49	571.73	525.37	46.36	12.331		
6,500.00	6,492.38	6,473.16	6,453.17	23.71	24.29	117.62	435.00	-273.92	580.74	533.65	47.10	12.331		
6,600.00	6,592.26	6,572.75	6,552.44	24.08	24.67	117.61	441.71	-278.35	589.76	541.93	47.83	12.330		
6,700.00	6,692.14	6,672.34	6,651.71	24.45	25.05	117.60	448.42	-282.78	598.77	550.21	48.56	12.330		
6,800.00	6,792.02	6,771.94	6,750.98	24.82	25.43	117.60	455.13	-287.21	607.79	558.49	49.30	12.329		
6,900.00	6,891.90	6,871.53	6,850.25	25.19	25.81	117.59	461.84	-291.64	616.80	566.77	50.03	12.329		
7,000.00	6,991.78	6,971.12	6,949.51	25.56	26.19	117.58	468.55	-296.07	625.81	575.05	50.76	12.328		
7,100.00	7,091.66	7,070.71	7,048.78	25.93	26.57	117.57	475.27	-300.50	634.83	583.33	51.50	12.328		
7,200.00	7,191.54	7,170.31	7,148.05	26.29	26.94	117.56	481.98	-304.93	643.84	591.61	52.23	12.327		
7,300.00	7,291.41	7,269.93	7,247.34	26.66	27.33	117.54	488.69	-309.35	652.86	599.89	52.96	12.326		
7,400.00	7,390.63	7,369.33	7,345.20	27.05	27.73	95.30	495.30	-324.86	661.82	608.07	53.74	12.314		
7,500.00	7,486.41	7,468.05	7,438.33	27.49	28.18	91.10	501.57	-356.62	670.49	615.87	54.62	12.276		
7,600.00	7,575.82	7,566.18	7,524.16	27.98	28.68	88.91	507.33	-403.58	678.60	623.00	55.60	12.206		
7,700.00	7,656.17	7,663.79	7,600.38	28.54	29.24	87.39	512.43	-464.17	685.91	629.18	56.72	12.092		
7,800.00	7,724.99	7,760.98	7,664.99	29.19	29.88	86.25	516.74	-536.49	692.18	634.12	58.06	11.922		
7,900.00	7,780.22	7,857.83	7,716.33	29.99	30.66	85.38	520.14	-618.40	697.22	637.55	59.67	11.685		
8,000.00	7,820.15	7,954.40	7,753.12	30.95	31.58	84.78	522.55	-707.54	700.87	639.27	61.60	11.378		
8,100.00	7,843.59	8,050.79	7,774.43	32.08	32.66	84.42	523.90	-801.41	703.01	639.17	63.85	11.011		
8,200.00	7,850.00	8,147.68	7,780.00	33.35	33.88	84.30	524.19	-898.04	703.61	637.22	66.39	10.598		
8,300.00	7,850.00	8,247.68	7,780.00	34.77	35.29	84.30	524.10	-998.04	703.60	634.35	69.25	10.160		
8,400.00	7,850.00	8,347.68	7,780.00	36.34	36.83	84.30	524.01	-1,098.04	703.60	631.21	72.39	9.720		
8,500.00	7,850.00	8,447.68	7,780.00	38.03	38.50	84.30	523.92	-1,198.04	703.60	627.82	75.78	9.285		
8,600.00	7,850.00	8,547.68	7,780.00	39.84	40.28	84.30	523.83	-1,298.04	703.59	624.21	79.38	8.863		
8,700.00	7,850.00	8,647.68	7,780.00	41.74	42.16	84.30	523.74	-1,398.04	703.59	620.41	83.18	8.459		
8,800.00	7,850.00	8,747.68	7,780.00	43.72	44.13	84.30	523.65	-1,498.04	703.59	616.44	87.14	8.074		
8,900.00	7,850.00	8,847.68	7,780.00	45.78	46.17	84.30	523.55	-1,598.04	703.58	612.34	91.25	7.711		
9,000.00	7,850.00	8,947.68	7,780.00	47.90	48.27	84.30	523.46	-1,698.04	703.58	608.10	95.48	7.369		
9,100.00	7,850.00	9,047.68	7,780.00	50.08	50.43	84.30	523.37	-1,798.04	703.57	603.76	99.82	7.049		
9,200.00	7,850.00	9,147.68	7,780.00	52.30	52.64	84.30	523.28	-1,898.04	703.57	599.32	104.25	6.749		
9,300.00	7,850.00	9,247.68	7,780.00	54.57	54.90	84.30	523.19	-1,998.04	703.57	594.80	108.77	6.468		
9,400.00	7,850.00	9,347.68	7,780.00	56.87	57.19	84.30	523.10	-2,098.04	703.56	590.20	113.36	6.206		
9,500.00	7,850.00	9,447.68	7,780.00	59.21	59.52	84.30	523.01	-2,198.04	703.56	585.54	118.02	5.961		
9,600.00	7,850.00	9,547.68	7,780.00	61.58	61.87	84.30	522.92	-2,298.04	703.56	580.82	122.73	5.732		
9,700.00	7,850.00	9,647.68	7,780.00	63.97	64.26	84.30	522.83	-2,398.04	703.55	576.05	127.50	5.518		
9,800.00	7,850.00	9,747.68	7,780.00	66.38	66.66	84.30	522.74	-2,498.04	703.55	571.24	132.31	5.317		
9,900.00	7,850.00	9,847.68	7,780.00	68.82	69.09	84.30	522.64	-2,598.04	703.54	566.38	137.16	5.129		
10,000.00	7,850.00	9,947.68	7,780.00	71.27	71.54	84.30	522.55	-2,698.04	703.54	561.49	142.05	4.953		
10,100.00	7,850.00	10,047.68	7,780.00	73.75	74.00	84.30	522.46	-2,798.04	703.54	556.56	146.98	4.787		
10,200.00	7,850.00	10,147.68	7,780.00	76.23	76.48	84.30	522.37	-2,898.04	703.53	551.60	151.93	4.631		
10,300.00	7,850.00	10,247.68	7,780.00	78.73	78.98	84.30	522.28	-2,998.04	703.53	546.62	156.91	4.484		

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 PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 2-T4S-R65W - PROPERTY RESERVE 4-65 3-4 3BH - 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		
10,400.00	7,850.00	10,347.68	7,780.00	81.25	81.48	84.30	522.19	-3,098.04	703.53	541.61	161.92	4.345		
10,500.00	7,850.00	10,447.68	7,780.00	83.77	84.00	84.30	522.10	-3,198.04	703.52	536.58	166.94	4.214		
10,600.00	7,850.00	10,547.68	7,780.00	86.30	86.53	84.30	522.01	-3,298.04	703.52	531.53	171.99	4.090		
10,700.00	7,850.00	10,647.68	7,780.00	88.85	89.07	84.30	521.92	-3,398.04	703.52	526.46	177.06	3.973		
10,800.00	7,850.00	10,747.68	7,780.00	91.40	91.62	84.30	521.82	-3,498.04	703.51	521.37	182.14	3.862		
10,900.00	7,850.00	10,847.68	7,780.00	93.96	94.18	84.30	521.73	-3,598.04	703.51	516.27	187.24	3.757		
11,000.00	7,850.00	10,947.68	7,780.00	96.53	96.74	84.30	521.64	-3,698.04	703.50	511.15	192.35	3.657		
11,100.00	7,850.00	11,047.68	7,780.00	99.10	99.31	84.30	521.55	-3,798.04	703.50	506.02	197.48	3.562		
11,200.00	7,850.00	11,147.68	7,780.00	101.68	101.89	84.30	521.46	-3,898.04	703.50	500.88	202.62	3.472		
11,300.00	7,850.00	11,247.68	7,780.00	104.27	104.47	84.30	521.37	-3,998.04	703.49	495.73	207.77	3.386		
11,400.00	7,850.00	11,347.68	7,780.00	106.86	107.06	84.30	521.28	-4,098.04	703.49	490.56	212.93	3.304		
11,500.00	7,850.00	11,447.68	7,780.00	109.45	109.65	84.30	521.19	-4,198.04	703.49	485.39	218.10	3.226		
11,600.00	7,850.00	11,547.68	7,780.00	112.06	112.25	84.30	521.10	-4,298.04	703.48	480.20	223.28	3.151		
11,700.00	7,850.00	11,647.68	7,780.00	114.66	114.85	84.30	521.01	-4,398.04	703.48	475.01	228.47	3.079		
11,800.00	7,850.00	11,747.68	7,780.00	117.27	117.46	84.30	520.91	-4,498.04	703.47	469.81	233.66	3.011		
11,900.00	7,850.00	11,847.68	7,780.00	119.88	120.07	84.30	520.82	-4,598.04	703.47	464.61	238.87	2.945		
12,000.00	7,850.00	11,947.68	7,780.00	122.50	122.68	84.30	520.73	-4,698.04	703.47	459.39	244.08	2.882		
12,100.00	7,850.00	12,047.68	7,780.00	125.12	125.30	84.30	520.64	-4,798.04	703.46	454.17	249.29	2.822		
12,200.00	7,850.00	12,147.68	7,780.00	127.74	127.92	84.30	520.55	-4,898.04	703.46	448.94	254.52	2.764		
12,300.00	7,850.00	12,247.68	7,780.00	130.37	130.54	84.30	520.46	-4,998.04	703.46	443.71	259.75	2.708		
12,400.00	7,850.00	12,347.68	7,780.00	133.00	133.17	84.30	520.37	-5,098.04	703.45	438.47	264.98	2.655		
12,500.00	7,850.00	12,447.68	7,780.00	135.63	135.80	84.30	520.28	-5,198.04	703.45	433.23	270.22	2.603		
12,600.00	7,850.00	12,547.68	7,780.00	138.26	138.43	84.30	520.19	-5,298.04	703.44	427.98	275.46	2.554		
12,700.00	7,850.00	12,647.68	7,780.00	140.90	141.06	84.30	520.10	-5,398.04	703.44	422.73	280.71	2.506		
12,800.00	7,850.00	12,747.68	7,780.00	143.53	143.70	84.30	520.00	-5,498.04	703.44	417.47	285.96	2.460		
12,900.00	7,850.00	12,847.68	7,780.00	146.17	146.34	84.30	519.91	-5,598.04	703.43	412.21	291.22	2.415		
13,000.00	7,850.00	12,947.68	7,780.00	148.82	148.98	84.30	519.82	-5,698.04	703.43	406.95	296.48	2.373		
13,100.00	7,850.00	13,047.68	7,780.00	151.46	151.62	84.30	519.73	-5,798.04	703.43	401.68	301.75	2.331		
13,200.00	7,850.00	13,147.68	7,780.00	154.10	154.26	84.30	519.64	-5,898.04	703.42	396.41	307.02	2.291		
13,300.00	7,850.00	13,247.68	7,780.00	156.75	156.91	84.30	519.55	-5,998.04	703.42	391.13	312.29	2.252		
13,400.00	7,850.00	13,347.68	7,780.00	159.40	159.56	84.30	519.46	-6,098.04	703.41	385.85	317.56	2.215		
13,500.00	7,850.00	13,447.68	7,780.00	162.05	162.21	84.30	519.37	-6,198.04	703.41	380.57	322.84	2.179		
13,600.00	7,850.00	13,547.68	7,780.00	164.70	164.86	84.30	519.28	-6,298.04	703.41	375.29	328.12	2.144		
13,700.00	7,850.00	13,647.68	7,780.00	167.36	167.51	84.30	519.18	-6,398.04	703.40	370.00	333.40	2.110		
13,800.00	7,850.00	13,747.68	7,780.00	170.01	170.16	84.30	519.09	-6,498.04	703.40	364.71	338.69	2.077		
13,900.00	7,850.00	13,847.68	7,780.00	172.66	172.82	84.30	519.00	-6,598.04	703.40	359.42	343.97	2.045		
14,000.00	7,850.00	13,947.68	7,780.00	175.32	175.47	84.30	518.91	-6,698.04	703.39	354.13	349.27	2.014		
14,100.00	7,850.00	14,047.68	7,780.00	177.98	178.13	84.30	518.82	-6,798.03	703.39	348.83	354.56	1.984		
14,200.00	7,850.00	14,147.68	7,780.00	180.64	180.78	84.30	518.73	-6,898.03	703.39	343.53	359.85	1.955		
14,300.00	7,850.00	14,247.68	7,780.00	183.30	183.44	84.30	518.64	-6,998.03	703.38	338.23	365.15	1.926		
14,400.00	7,850.00	14,347.68	7,780.00	185.96	186.10	84.30	518.55	-7,098.03	703.38	332.93	370.45	1.899		
14,500.00	7,850.00	14,447.68	7,780.00	188.62	188.76	84.30	518.46	-7,198.03	703.37	327.63	375.75	1.872		
14,600.00	7,850.00	14,547.68	7,780.00	191.28	191.43	84.30	518.37	-7,298.03	703.37	322.32	381.05	1.846		
14,700.00	7,850.00	14,647.68	7,780.00	193.95	194.09	84.30	518.27	-7,398.03	703.37	317.01	386.35	1.821		
14,800.00	7,850.00	14,747.68	7,780.00	196.61	196.75	84.30	518.18	-7,498.03	703.36	311.70	391.66	1.796		
14,900.00	7,850.00	14,847.68	7,780.00	199.28	199.42	84.30	518.09	-7,598.03	703.36	306.39	396.97	1.772		
15,000.00	7,850.00	14,947.68	7,780.00	201.94	202.08	84.30	518.00	-7,698.03	703.36	301.08	402.27	1.748		
15,100.00	7,850.00	15,047.68	7,780.00	204.61	204.75	84.30	517.91	-7,798.03	703.35	295.77	407.58	1.726		
15,200.00	7,850.00	15,147.68	7,780.00	207.27	207.41	84.30	517.82	-7,898.03	703.35	290.45	412.90	1.703		
15,300.00	7,850.00	15,247.68	7,780.00	209.94	210.08	84.30	517.73	-7,998.03	703.34	285.14	418.21	1.682		
15,400.00	7,850.00	15,347.68	7,780.00	212.61	212.75	84.30	517.64	-8,098.03	703.34	279.82	423.52	1.661		
15,500.00	7,850.00	15,447.68	7,780.00	215.28	215.42	84.30	517.55	-8,198.03	703.34	274.50	428.84	1.640		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<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 2-T4S-R65W - PROPERTY RESERVE 4-65 3-4 3BH - OWB - PROPOSAL 1												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 0-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
15,600.00	7,850.00	15,547.68	7,780.00	217.95	218.08	84.30	517.46	-8,298.03	703.33	269.18	434.15	1.620	
15,700.00	7,850.00	15,647.68	7,780.00	220.62	220.75	84.30	517.36	-8,398.03	703.33	263.86	439.47	1.600	
15,800.00	7,850.00	15,747.68	7,780.00	223.29	223.42	84.30	517.27	-8,498.03	703.33	258.53	444.79	1.581	
15,900.00	7,850.00	15,847.68	7,780.00	225.96	226.10	84.30	517.18	-8,598.03	703.32	253.21	450.11	1.563	
16,000.00	7,850.00	15,947.68	7,780.00	228.64	228.77	84.30	517.09	-8,698.03	703.32	247.89	455.43	1.544	
16,100.00	7,850.00	16,047.68	7,780.00	231.31	231.44	84.30	517.00	-8,798.03	703.31	242.56	460.75	1.526	
16,200.00	7,850.00	16,147.68	7,780.00	233.98	234.11	84.30	516.91	-8,898.03	703.31	237.23	466.08	1.509	
16,300.00	7,850.00	16,247.68	7,780.00	236.65	236.78	84.30	516.82	-8,998.03	703.31	231.91	471.40	1.492 Level 3	
16,400.00	7,850.00	16,347.68	7,780.00	239.33	239.46	84.30	516.73	-9,098.03	703.30	226.58	476.73	1.475 Level 3	
16,500.00	7,850.00	16,447.68	7,780.00	242.00	242.13	84.30	516.64	-9,198.03	703.30	221.25	482.05	1.459 Level 3	
16,600.00	7,850.00	16,547.68	7,780.00	244.68	244.81	84.30	516.54	-9,298.03	703.30	215.92	487.38	1.443 Level 3	
16,700.00	7,850.00	16,647.68	7,780.00	247.35	247.48	84.30	516.45	-9,398.03	703.29	210.59	492.70	1.427 Level 3	
16,800.00	7,850.00	16,747.68	7,780.00	250.03	250.15	84.30	516.36	-9,498.03	703.29	205.26	498.03	1.412 Level 3	
16,900.00	7,850.00	16,847.68	7,780.00	252.70	252.83	84.30	516.27	-9,598.03	703.29	199.92	503.36	1.397 Level 3	
17,000.00	7,850.00	16,947.68	7,780.00	255.38	255.51	84.30	516.18	-9,698.03	703.28	194.59	508.69	1.383 Level 3	
17,100.00	7,850.00	17,047.68	7,780.00	258.06	258.18	84.30	516.09	-9,798.03	703.28	189.26	514.02	1.368 Level 3	
17,200.00	7,850.00	17,147.68	7,780.00	260.73	260.86	84.30	516.00	-9,898.03	703.27	183.92	519.35	1.354 Level 3	
17,300.00	7,850.00	17,247.68	7,780.00	263.41	263.54	84.30	515.91	-9,998.03	703.27	178.59	524.68	1.340 Level 3	
17,400.00	7,850.00	17,347.68	7,780.00	266.09	266.21	84.30	515.82	-10,098.03	703.27	173.25	530.02	1.327 Level 3	
17,500.00	7,850.00	17,447.68	7,780.00	268.77	268.89	84.30	515.73	-10,198.03	703.26	167.91	535.35	1.314 Level 3	
17,600.00	7,850.00	17,547.68	7,780.00	271.45	271.57	84.30	515.63	-10,298.03	703.26	162.58	540.68	1.301 Level 3	
17,700.00	7,850.00	17,647.68	7,780.00	274.12	274.25	84.30	515.54	-10,398.03	703.26	157.24	546.02	1.288 Level 3	
17,800.00	7,850.00	17,747.68	7,780.00	276.80	276.93	84.30	515.45	-10,498.03	703.25	151.90	551.35	1.276 Level 3	
17,900.00	7,850.00	17,847.68	7,780.00	279.48	279.60	84.30	515.36	-10,598.03	703.25	146.56	556.69	1.263 Level 3	
18,000.00	7,850.00	17,947.68	7,780.00	282.16	282.28	84.30	515.27	-10,698.03	703.24	141.22	562.02	1.251 Level 3	
18,100.00	7,850.00	18,047.68	7,780.00	284.84	284.96	84.30	515.18	-10,798.03	703.24	135.88	567.36	1.239 Level 2	
18,101.25	7,850.00	18,048.92	7,780.00	284.88	285.00	84.30	515.18	-10,799.28	703.24	135.81	567.43	1.239 Level 2, SF	



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 2-T4S-R65W - PROSPER FARMS 4-65 2-1-6 1AH - 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	180.00	-20.03	0.00	20.03					
100.00	100.00	99.00	99.00	0.13	0.13	180.00	-20.03	0.00	20.03	19.77	0.27	74.894		
200.00	199.98	199.60	199.58	0.49	0.49	-65.93	-18.37	-0.46	17.60	16.61	0.99	17.799		
300.00	299.87	299.80	299.64	0.85	0.86	-82.54	-13.32	-1.87	11.06	9.34	1.72	6.443		
391.53	391.29	391.02	390.52	1.18	1.20	-144.72	-5.81	-3.96	5.72	3.35	2.37	2.417 CC, ES		
400.00	399.75	399.43	398.89	1.21	1.23	-154.96	-4.97	-4.19	5.81	3.38	2.43	2.391 SF		
500.00	499.63	498.27	496.99	1.58	1.62	143.63	6.59	-7.41	15.81	12.63	3.18	4.972		
600.00	599.51	596.09	593.62	1.94	2.03	130.38	21.24	-11.49	32.25	28.34	3.91	8.258		
700.00	699.39	692.69	688.47	2.31	2.46	124.65	38.82	-16.38	52.29	47.67	4.62	11.313		
800.00	799.27	787.87	781.28	2.68	2.92	121.26	59.14	-22.03	75.64	70.31	5.33	14.188		
900.00	899.15	881.46	871.81	3.05	3.40	118.93	82.01	-28.39	102.17	96.14	6.03	16.939		
1,000.00	999.03	973.31	959.85	3.42	3.91	117.20	107.21	-35.41	131.80	125.08	6.72	19.625		
1,100.00	1,098.91	1,063.28	1,045.23	3.79	4.44	115.84	134.52	-43.01	164.42	157.03	7.40	22.234		
1,200.00	1,198.78	1,151.25	1,127.81	4.16	4.99	114.75	163.71	-51.13	199.95	191.89	8.06	24.806		
1,300.00	1,298.66	1,237.13	1,207.50	4.52	5.57	113.85	194.55	-59.71	238.29	229.58	8.71	27.352		
1,400.00	1,398.54	1,321.63	1,284.94	4.89	6.17	113.08	227.11	-68.77	279.32	269.96	9.36	29.850		
1,500.00	1,498.42	1,412.26	1,367.58	5.26	6.83	112.42	262.98	-78.75	321.45	311.36	10.09	31.866		
1,600.00	1,598.30	1,502.90	1,450.22	5.63	7.51	111.91	298.85	-88.73	363.60	352.78	10.82	33.599		
1,700.00	1,698.18	1,593.54	1,532.86	6.00	8.19	111.51	334.72	-98.71	405.78	394.22	11.56	35.102		
1,800.00	1,798.06	1,684.18	1,615.50	6.37	8.87	111.19	370.59	-108.69	447.96	435.66	12.30	36.416		
1,900.00	1,897.94	1,774.82	1,698.14	6.74	9.56	110.92	406.46	-118.67	490.16	477.11	13.04	37.575		
2,000.00	1,997.82	1,865.46	1,780.77	7.11	10.25	110.69	442.33	-128.65	532.36	518.57	13.79	38.603		
2,100.00	2,097.70	1,956.10	1,863.41	7.48	10.94	110.50	478.20	-138.63	574.57	560.03	14.54	39.522		
2,200.00	2,197.58	2,046.74	1,946.05	7.84	11.63	110.33	514.07	-148.61	616.79	601.50	15.29	40.347		
2,300.00	2,297.46	2,137.38	2,028.69	8.21	12.33	110.18	549.94	-158.59	659.01	642.97	16.04	41.092		
2,400.00	2,397.33	2,228.02	2,111.33	8.58	13.03	110.06	585.81	-168.58	701.23	684.44	16.79	41.767		
2,500.00	2,497.21	2,318.66	2,193.97	8.95	13.72	109.94	621.69	-178.56	743.45	725.91	17.54	42.383		
2,600.00	2,597.09	2,409.30	2,276.61	9.32	14.42	109.84	657.56	-188.54	785.68	767.38	18.29	42.946		
2,700.00	2,696.97	2,499.94	2,359.25	9.69	15.12	109.75	693.43	-198.52	827.90	808.85	19.05	43.462		
2,800.00	2,796.85	2,609.42	2,441.88	10.06	15.97	109.67	729.30	-208.50	870.13	850.24	19.89	43.745		
2,900.00	2,896.73	2,681.21	2,524.52	10.43	16.52	109.59	765.17	-218.48	912.36	891.80	20.56	44.378		
3,000.00	2,996.61	2,771.85	2,607.16	10.80	17.22	109.52	801.04	-228.46	954.59	933.28	21.32	44.785		
3,100.00	3,096.49	2,862.49	2,689.80	11.17	17.92	109.46	836.91	-238.44	996.83	974.76	22.07	45.163		
3,200.00	3,196.37	2,953.13	2,772.44	11.53	18.62	109.41	872.78	-248.42	1,039.06	1,016.23	22.83	45.515		
3,300.00	3,296.25	3,043.77	2,855.08	11.90	19.33	109.35	908.65	-258.40	1,081.30	1,057.71	23.59	45.844		
3,400.00	3,396.13	3,134.41	2,937.72	12.27	20.03	109.30	944.52	-268.38	1,123.53	1,099.19	24.34	46.151		
3,500.00	3,496.01	3,225.05	3,020.36	12.64	20.73	109.26	980.39	-278.36	1,165.77	1,140.66	25.10	46.439		
3,600.00	3,595.88	3,315.69	3,102.99	13.01	21.43	109.22	1,016.26	-288.35	1,208.00	1,182.14	25.86	46.709		
3,700.00	3,695.76	3,406.33	3,185.63	13.38	22.14	109.18	1,052.13	-298.33	1,250.24	1,223.62	26.62	46.964		
3,800.00	3,795.64	3,503.03	3,268.27	13.75	22.89	109.14	1,088.00	-308.31	1,292.48	1,265.07	27.41	47.155		
3,900.00	3,895.52	3,587.61	3,350.91	14.12	23.54	109.11	1,123.87	-318.29	1,334.71	1,306.57	28.14	47.430		
4,000.00	3,995.40	3,678.25	3,433.55	14.49	24.25	109.07	1,159.74	-328.27	1,376.95	1,348.05	28.90	47.643		
4,100.00	4,095.28	3,768.89	3,516.19	14.86	24.95	109.04	1,195.62	-338.25	1,419.19	1,389.53	29.66	47.845		
4,200.00	4,195.16	3,859.53	3,598.83	15.22	25.66	109.02	1,231.49	-348.23	1,461.43	1,431.01	30.42	48.037		
4,300.00	4,295.04	3,950.16	3,681.47	15.59	26.36	108.99	1,267.36	-358.21	1,503.67	1,472.48	31.18	48.219		
4,400.00	4,394.92	4,040.80	3,764.10	15.96	27.06	108.96	1,303.23	-368.19	1,545.91	1,513.96	31.95	48.392		
4,500.00	4,494.80	4,131.44	3,846.74	16.33	27.77	108.94	1,339.10	-378.17	1,588.15	1,555.44	32.71	48.556		
4,600.00	4,594.68	4,222.08	3,929.38	16.70	28.47	108.92	1,374.97	-388.15	1,630.38	1,596.92	33.47	48.712		
4,700.00	4,694.56	4,312.72	4,012.02	17.07	29.18	108.89	1,410.84	-398.13	1,672.62	1,638.39	34.23	48.861		
4,800.00	4,794.43	4,403.36	4,094.66	17.44	29.88	108.87	1,446.71	-408.12	1,714.86	1,679.87	34.99	49.004		
4,900.00	4,894.31	4,506.00	4,177.30	17.81	30.68	108.85	1,482.58	-418.10	1,757.10	1,721.29	35.81	49.062		
5,000.00	4,994.19	4,584.64	4,259.94	18.18	31.29	108.84	1,518.45	-428.08	1,799.34	1,762.82	36.52	49.269		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 2-T4S-R65W - PROSPER FARMS 4-65 2-1-6 1AH - 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	5,094.07	4,675.28	4,342.58	18.55	32.00	108.82	1,554.32	-438.06	1,841.59	1,804.30	37.28	49.393		
5,200.00	5,193.95	4,765.92	4,425.21	18.91	32.70	108.80	1,590.19	-448.04	1,883.83	1,845.78	38.05	49.512		
5,300.00	5,293.83	4,856.56	4,507.85	19.28	33.41	108.78	1,626.06	-458.02	1,926.07	1,887.25	38.81	49.625		
5,400.00	5,393.71	4,947.20	4,590.49	19.65	34.11	108.77	1,661.93	-468.00	1,968.31	1,928.73	39.58	49.734		
5,500.00	5,493.59	5,037.84	4,673.13	20.02	34.82	108.75	1,697.80	-477.98	2,010.55	1,970.21	40.34	49.839		
5,600.00	5,593.47	5,128.48	4,755.77	20.39	35.52	108.74	1,733.67	-487.96	2,052.79	2,011.68	41.11	49.939		
5,700.00	5,693.35	5,219.11	4,838.41	20.76	36.23	108.73	1,769.55	-497.94	2,095.03	2,053.16	41.87	50.035		
5,800.00	5,793.23	5,309.75	4,921.05	21.13	36.94	108.71	1,805.42	-507.92	2,137.27	2,094.64	42.64	50.128		
5,900.00	5,893.11	5,400.39	5,003.69	21.50	37.64	108.70	1,841.29	-517.91	2,179.51	2,136.11	43.40	50.217		
6,000.00	5,992.99	5,491.03	5,086.32	21.87	38.35	108.69	1,877.16	-527.89	2,221.75	2,177.59	44.17	50.303		
6,100.00	6,092.86	5,581.67	5,168.96	22.24	39.05	108.68	1,913.03	-537.87	2,264.00	2,219.06	44.93	50.385		
6,200.00	6,192.74	5,672.31	5,251.60	22.60	39.76	108.66	1,948.90	-547.85	2,306.24	2,260.54	45.70	50.464		
6,300.00	6,292.62	5,762.95	5,334.24	22.97	40.46	108.65	1,984.77	-557.83	2,348.48	2,302.01	46.47	50.541		
6,400.00	6,392.50	5,853.59	5,416.88	23.34	41.17	108.64	2,020.64	-567.81	2,390.72	2,343.49	47.23	50.614		
6,500.00	6,492.38	5,944.23	5,499.52	23.71	41.87	108.63	2,056.51	-577.79	2,432.96	2,384.96	48.00	50.685		
6,600.00	6,592.26	6,034.87	5,582.16	24.08	42.58	108.62	2,092.38	-587.77	2,475.20	2,426.44	48.77	50.754		
6,700.00	6,692.14	6,125.51	5,664.80	24.45	43.29	108.61	2,128.25	-597.75	2,517.45	2,467.91	49.54	50.820		
6,800.00	6,792.02	6,216.15	5,747.43	24.82	43.99	108.60	2,164.12	-607.73	2,559.69	2,509.38	50.30	50.884		
6,900.00	6,891.90	6,306.79	5,830.07	25.19	44.70	108.59	2,199.99	-617.71	2,601.93	2,550.86	51.07	50.945		
7,000.00	6,991.78	6,402.57	5,912.71	25.56	45.44	108.59	2,235.86	-627.69	2,644.17	2,592.31	51.87	50.981		
7,100.00	7,091.66	6,488.07	5,995.35	25.93	46.11	108.58	2,271.73	-637.68	2,686.41	2,633.80	52.61	51.062		
7,200.00	7,191.54	6,578.70	6,077.99	26.29	46.82	108.57	2,307.60	-647.66	2,728.66	2,675.28	53.38	51.118		
7,300.00	7,291.41	6,669.34	6,160.63	26.66	47.52	108.56	2,343.48	-657.64	2,770.90	2,716.75	54.15	51.171		
7,400.00	7,390.63	6,760.14	6,243.41	27.05	48.23	83.70	2,379.41	-667.64	2,812.00	2,757.05	54.95	51.171		
7,500.00	7,486.41	6,849.70	6,325.06	27.49	48.93	77.25	2,414.85	-677.50	2,849.66	2,793.83	55.83	51.037		
7,600.00	7,575.82	6,935.29	6,403.10	27.98	49.59	73.55	2,448.73	-686.92	2,883.11	2,826.32	56.79	50.767		
7,700.00	7,656.17	7,014.33	6,475.16	28.54	50.21	71.11	2,480.00	-695.63	2,911.96	2,854.13	57.83	50.353		
7,800.00	7,724.99	7,084.40	6,539.05	29.19	50.75	69.46	2,507.74	-703.34	2,936.09	2,877.11	58.98	49.782		
7,900.00	7,780.22	7,143.39	6,592.83	29.99	51.21	68.37	2,531.08	-709.84	2,955.61	2,895.35	60.26	49.047		
8,000.00	7,820.15	7,189.49	6,634.86	30.95	51.57	67.66	2,549.32	-714.91	2,970.71	2,909.02	61.69	48.153		
8,100.00	7,843.59	7,221.30	6,663.87	32.08	51.82	67.18	2,561.91	-718.42	2,981.65	2,918.38	63.27	47.126		
8,200.00	7,850.00	7,238.03	6,679.12	33.35	51.95	66.91	2,568.53	-720.26	2,988.66	2,923.72	64.95	46.016		
8,300.00	7,850.00	7,249.01	6,689.12	34.77	52.04	67.12	2,572.88	-721.47	2,996.31	2,929.55	66.76	44.881		
8,400.00	7,850.00	7,259.98	6,699.13	36.34	52.12	67.33	2,577.22	-722.68	3,007.23	2,938.51	68.72	43.761		
8,500.00	7,850.00	7,270.96	6,709.14	38.03	52.21	67.54	2,581.57	-723.88	3,021.38	2,950.59	70.79	42.679		
8,600.00	7,850.00	7,281.94	6,719.15	39.84	52.29	67.75	2,585.91	-725.09	3,038.72	2,965.76	72.96	41.651		
8,700.00	7,850.00	7,292.91	6,729.16	41.74	52.38	67.96	2,590.25	-726.30	3,059.19	2,984.00	75.18	40.689		
8,800.00	7,850.00	7,303.89	6,739.17	43.72	52.46	68.17	2,594.60	-727.51	3,082.73	3,005.28	77.45	39.801		
8,900.00	7,850.00	7,314.87	6,749.17	45.78	52.55	68.38	2,598.94	-728.72	3,109.27	3,029.53	79.74	38.992		
9,000.00	7,850.00	7,325.84	6,759.18	47.90	52.63	68.59	2,603.29	-729.93	3,138.73	3,056.70	82.03	38.261		
9,100.00	7,850.00	7,336.82	6,769.19	50.08	52.72	68.80	2,607.63	-731.14	3,171.04	3,086.73	84.31	37.610		
9,200.00	7,850.00	7,347.80	6,779.20	52.30	52.81	69.01	2,611.97	-732.35	3,206.11	3,119.54	86.57	37.036		
9,300.00	7,850.00	7,358.78	6,789.21	54.57	52.89	69.21	2,616.32	-733.55	3,243.84	3,155.06	88.79	36.535		
9,400.00	7,850.00	7,369.75	6,799.21	56.87	52.98	69.42	2,620.66	-734.76	3,284.15	3,193.19	90.96	36.105		
9,500.00	7,850.00	7,380.73	6,809.22	59.21	53.06	69.63	2,625.01	-735.97	3,326.94	3,233.86	93.08	35.742		
9,600.00	7,850.00	7,408.29	6,819.23	61.58	53.28	69.84	2,629.35	-737.18	3,372.12	3,276.87	95.25	35.404		
9,700.00	7,850.00	7,402.68	6,829.24	63.97	53.23	70.05	2,633.70	-738.39	3,419.59	3,322.45	97.15	35.201		
9,800.00	7,850.00	7,413.66	6,839.25	66.38	53.32	70.26	2,638.04	-739.60	3,469.26	3,370.18	99.08	35.014		
9,900.00	7,850.00	7,424.64	6,849.25	68.82	53.40	70.47	2,642.38	-740.81	3,521.04	3,420.09	100.95	34.878		
10,000.00	7,850.00	7,435.62	6,859.26	71.27	53.49	70.68	2,646.73	-742.02	3,574.83	3,472.07	102.75	34.790		
10,100.00	7,850.00	7,446.59	6,869.27	73.75	53.58	70.88	2,651.07	-743.22	3,630.54	3,526.06	104.49	34.746		
10,200.00	7,850.00	7,457.57	6,879.28	76.23	53.66	71.09	2,655.42	-744.43	3,688.10	3,581.94	106.16	34.742		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 2-T4S-R65W - PROSPER FARMS 4-65 2-1-6 1AH - 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		
10,300.00	7,850.00	7,468.55	6,889.29	78.73	53.75	71.30	2,659.76	-745.64	3,747.40	3,639.65	107.76	34.777		
10,400.00	7,850.00	7,479.52	6,899.30	81.25	53.83	71.51	2,664.10	-746.85	3,808.38	3,699.09	109.29	34.846		
10,500.00	7,850.00	7,509.50	6,909.30	83.77	54.07	71.72	2,668.45	-748.06	3,870.95	3,760.05	110.89	34.907		
10,600.00	7,850.00	7,501.48	6,919.31	86.30	54.00	71.93	2,672.79	-749.27	3,935.03	3,822.86	112.17	35.080		
10,700.00	7,850.00	7,512.45	6,929.32	88.85	54.09	72.13	2,677.14	-750.48	4,000.56	3,887.04	113.52	35.240		
10,800.00	7,850.00	7,523.43	6,939.33	91.40	54.17	72.34	2,681.48	-751.69	4,067.46	3,952.64	114.82	35.425		
10,900.00	7,850.00	7,534.41	6,949.34	93.96	54.26	72.55	2,685.83	-752.90	4,135.67	4,019.61	116.06	35.635		
11,000.00	7,850.00	7,545.39	6,959.34	96.53	54.34	72.75	2,690.17	-754.10	4,205.12	4,087.88	117.24	35.867		
11,100.00	7,850.00	7,556.36	6,969.35	99.10	54.43	72.96	2,694.51	-755.31	4,275.76	4,157.38	118.38	36.120		
11,200.00	7,850.00	7,567.34	6,979.36	101.68	54.52	73.17	2,698.86	-756.52	4,347.52	4,228.05	119.46	36.392		
11,300.00	7,850.00	7,578.32	6,989.37	104.27	54.60	73.38	2,703.20	-757.73	4,420.34	4,299.84	120.51	36.682		
11,400.00	7,850.00	7,589.29	6,999.38	106.86	54.69	73.58	2,707.55	-758.94	4,494.19	4,372.69	121.50	36.988		
11,500.00	7,850.00	7,600.27	7,009.39	109.45	54.77	73.79	2,711.89	-760.15	4,569.01	4,446.55	122.46	37.310		
11,600.00	7,850.00	7,611.25	7,019.39	112.06	54.86	73.99	2,716.24	-761.36	4,644.75	4,521.37	123.38	37.646		
11,700.00	7,850.00	7,622.23	7,029.40	114.66	54.94	74.20	2,720.58	-762.57	4,721.36	4,597.10	124.26	37.996		
11,800.00	7,850.00	7,633.20	7,039.41	117.27	55.03	74.41	2,724.92	-763.77	4,798.81	4,673.71	125.11	38.358		
11,900.00	7,850.00	7,644.18	7,049.42	119.88	55.11	74.61	2,729.27	-764.98	4,877.06	4,751.14	125.92	38.731		
12,000.00	7,850.00	7,655.16	7,059.43	122.50	55.20	74.82	2,733.61	-766.19	4,956.07	4,829.36	126.70	39.116		
12,100.00	7,850.00	7,666.13	7,069.43	125.12	55.29	75.02	2,737.96	-767.40	5,035.79	4,908.34	127.46	39.510		
12,200.00	7,850.00	7,677.11	7,079.44	127.74	55.37	75.23	2,742.30	-768.61	5,116.21	4,988.03	128.18	39.914		
12,300.00	7,850.00	7,688.09	7,089.45	130.37	55.46	75.43	2,746.64	-769.82	5,197.28	5,068.40	128.88	40.326		
12,400.00	7,850.00	7,700.94	7,099.46	133.00	55.56	75.64	2,750.99	-771.03	5,278.98	5,149.42	129.57	40.743		
12,500.00	7,850.00	7,710.04	7,109.47	135.63	55.63	75.84	2,755.33	-772.24	5,361.28	5,231.08	130.21	41.176		
12,600.00	7,850.00	7,721.02	7,119.47	138.26	55.71	76.04	2,759.68	-773.44	5,444.15	5,313.32	130.83	41.611		
12,700.00	7,850.00	7,732.00	7,129.48	140.90	55.80	76.25	2,764.02	-774.65	5,527.56	5,396.12	131.44	42.053		
12,800.00	7,850.00	7,742.97	7,139.49	143.53	55.88	76.45	2,768.37	-775.86	5,611.50	5,479.47	132.03	42.502		
12,900.00	7,850.00	7,753.95	7,149.50	146.17	55.97	76.65	2,772.71	-777.07	5,695.93	5,563.33	132.60	42.956		
13,000.00	7,850.00	7,764.93	7,159.51	148.82	56.06	76.86	2,777.05	-778.28	5,780.83	5,647.68	133.15	43.416		
13,100.00	7,850.00	7,775.90	7,169.52	151.46	56.14	77.06	2,781.40	-779.49	5,866.20	5,732.51	133.69	43.880		
13,200.00	7,850.00	7,786.88	7,179.52	154.10	56.23	77.26	2,785.74	-780.70	5,951.99	5,817.79	134.21	44.349		
13,300.00	7,850.00	7,797.86	7,189.53	156.75	56.31	77.46	2,790.09	-781.91	6,038.21	5,903.50	134.71	44.823		
13,400.00	7,850.00	7,808.84	7,199.54	159.40	56.40	77.67	2,794.43	-783.11	6,124.82	5,989.62	135.20	45.301		
13,500.00	7,850.00	7,806.29	7,197.22	162.05	56.38	77.62	2,793.42	-782.83	6,211.84	6,076.39	135.45	45.861		
13,600.00	7,850.00	7,806.29	7,197.22	164.70	56.38	77.62	2,793.42	-782.83	6,299.23	6,163.51	135.73	46.411		
13,700.00	7,850.00	7,806.29	7,197.22	167.36	56.38	77.62	2,793.42	-782.83	6,387.00	6,251.01	135.99	46.966		
13,800.00	7,850.00	7,806.29	7,197.22	170.01	56.38	77.62	2,793.42	-782.83	6,475.12	6,338.88	136.24	47.526		
13,900.00	7,850.00	7,806.29	7,197.22	172.66	56.38	77.62	2,793.42	-782.83	6,563.58	6,427.10	136.48	48.091		
14,000.00	7,850.00	7,806.29	7,197.22	175.32	56.38	77.62	2,793.42	-782.83	6,652.37	6,515.66	136.71	48.659		
14,100.00	7,850.00	7,806.29	7,197.22	177.98	56.38	77.62	2,793.42	-782.83	6,741.48	6,604.54	136.93	49.232		
14,200.00	7,850.00	7,806.29	7,197.22	180.64	56.38	77.62	2,793.42	-782.83	6,830.88	6,693.74	137.14	49.808		
14,300.00	7,850.00	7,806.29	7,197.22	183.30	56.38	77.62	2,793.42	-782.83	6,920.58	6,783.23	137.35	50.388		
14,400.00	7,850.00	7,806.29	7,197.22	185.96	56.38	77.62	2,793.42	-782.83	7,010.55	6,873.01	137.54	50.971		
14,500.00	7,850.00	7,806.29	7,197.22	188.62	56.38	77.62	2,793.42	-782.83	7,100.79	6,963.07	137.72	51.558		
14,600.00	7,850.00	7,806.29	7,197.22	191.28	56.38	77.62	2,793.42	-782.83	7,191.29	7,053.39	137.90	52.148		
14,700.00	7,850.00	7,806.29	7,197.22	193.95	56.38	77.62	2,793.42	-782.83	7,282.04	7,143.97	138.07	52.741		
14,800.00	7,850.00	7,806.29	7,197.22	196.61	56.38	77.62	2,793.42	-782.83	7,373.03	7,234.79	138.24	53.336		
14,900.00	7,850.00	7,806.29	7,197.22	199.28	56.38	77.62	2,793.42	-782.83	7,464.25	7,325.85	138.39	53.935		
15,000.00	7,850.00	7,806.29	7,197.22	201.94	56.38	77.62	2,793.42	-782.83	7,555.69	7,417.14	138.55	54.536		
15,100.00	7,850.00	7,806.29	7,197.22	204.61	56.38	77.62	2,793.42	-782.83	7,647.34	7,508.65	138.69	55.139		
15,200.00	7,850.00	7,806.29	7,197.22	207.27	56.38	77.62	2,793.42	-782.83	7,739.20	7,600.37	138.83	55.745		
15,300.00	7,850.00	7,806.29	7,197.22	209.94	56.38	77.62	2,793.42	-782.83	7,831.26	7,692.30	138.97	56.354		
15,400.00	7,850.00	7,806.29	7,197.22	212.61	56.38	77.62	2,793.42	-782.83	7,923.52	7,784.42	139.10	56.964		

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 PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 2-T4S-R65W - PROSPER FARMS 4-65 2-1-6 1AH - 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		
15,500.00	7,850.00	7,806.29	7,197.22	215.28	56.38	77.62	2,793.42	-782.83	8,015.96	7,876.73	139.22	57.577		
15,600.00	7,850.00	7,806.29	7,197.22	217.95	56.38	77.62	2,793.42	-782.83	8,108.57	7,969.23	139.34	58.191		
15,700.00	7,850.00	7,806.29	7,197.22	220.62	56.38	77.62	2,793.42	-782.83	8,201.37	8,061.91	139.46	58.808		
15,800.00	7,850.00	7,806.29	7,197.22	223.29	56.38	77.62	2,793.42	-782.83	8,294.33	8,154.75	139.57	59.426		
15,900.00	7,850.00	7,806.29	7,197.22	225.96	56.38	77.62	2,793.42	-782.83	8,387.45	8,247.76	139.68	60.046		
16,000.00	7,850.00	7,806.29	7,197.22	228.64	56.38	77.62	2,793.42	-782.83	8,480.73	8,340.94	139.79	60.668		
16,100.00	7,850.00	7,806.29	7,197.22	231.31	56.38	77.62	2,793.42	-782.83	8,574.16	8,434.26	139.89	61.291		
16,200.00	7,850.00	7,826.66	7,215.82	233.98	56.53	77.99	2,801.50	-784.72	8,667.37	8,527.02	140.35	61.755		
16,300.00	7,850.00	7,827.14	7,216.27	236.65	56.54	78.00	2,801.69	-784.75	8,761.07	8,620.61	140.46	62.376		
16,400.00	7,850.00	7,827.62	7,216.70	239.33	56.54	78.01	2,801.88	-784.79	8,854.91	8,714.35	140.56	62.998		
16,500.00	7,850.00	7,828.08	7,217.12	242.00	56.54	78.02	2,802.06	-784.82	8,948.88	8,808.22	140.66	63.621		
16,600.00	7,850.00	7,828.53	7,217.54	244.68	56.55	78.03	2,802.24	-784.85	9,042.98	8,902.22	140.76	64.246		
16,700.00	7,850.00	7,828.97	7,217.94	247.35	56.55	78.04	2,802.42	-784.88	9,137.20	8,996.35	140.85	64.872		
16,800.00	7,850.00	7,829.41	7,218.34	250.03	56.55	78.04	2,802.59	-784.91	9,231.55	9,090.61	140.94	65.499		
16,900.00	7,850.00	7,850.00	7,237.20	252.70	56.71	78.42	2,810.78	-785.99	9,326.37	9,184.99	141.38	65.966		
17,000.00	7,850.00	7,850.00	7,237.20	255.38	56.71	78.42	2,810.78	-785.99	9,420.93	9,279.47	141.46	66.597		
17,100.00	7,850.00	7,850.00	7,237.20	258.06	56.71	78.42	2,810.78	-785.99	9,515.61	9,374.07	141.54	67.229		
17,200.00	7,850.00	7,850.00	7,237.20	260.73	56.71	78.42	2,810.78	-785.99	9,610.39	9,468.77	141.62	67.862		
17,300.00	7,850.00	7,850.00	7,237.20	263.41	56.71	78.42	2,810.78	-785.99	9,705.28	9,563.59	141.69	68.496		
17,400.00	7,850.00	7,850.00	7,237.20	266.09	56.71	78.42	2,810.78	-785.99	9,800.27	9,658.50	141.76	69.131		
17,500.00	7,850.00	7,850.00	7,237.20	268.77	56.71	78.42	2,810.78	-785.99	9,895.35	9,753.52	141.84	69.766		
17,600.00	7,850.00	7,850.00	7,237.20	271.45	56.71	78.42	2,810.78	-785.99	9,990.54	9,848.63	141.91	70.403		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 2-T4S-R65W - PROSPER FARMS 4-65 2-1-6 1BH - 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	0.90	-0.90	0.00	0.00	-179.60	-40.07	-0.28	40.07					
100.00	100.00	100.90	99.10	0.13	0.14	-179.60	-40.07	-0.28	40.07	39.80	0.27	147.275		
200.00	199.98	199.08	199.08	0.49	0.49	-64.19	-40.07	-0.28	39.28	38.30	0.98	40.265		
300.00	299.87	300.22	300.20	0.85	0.85	-70.14	-38.41	-0.85	35.80	34.09	1.70	21.001		
400.00	399.75	401.06	400.89	1.21	1.22	-77.29	-33.40	-2.58	29.19	26.76	2.44	11.985		
500.00	499.63	501.35	500.79	1.58	1.59	-89.50	-25.10	-5.44	19.81	16.65	3.16	6.263		
600.00	599.51	600.85	599.54	1.94	1.98	-130.30	-13.60	-9.40	10.09	6.20	3.89	2.593		
625.99	625.47	626.55	624.98	2.04	2.08	-154.20	-10.10	-10.60	9.24	5.15	4.09	2.259	CC, ES, SF	
700.00	699.39	699.33	696.81	2.31	2.38	150.96	0.97	-14.42	15.74	11.11	4.64	3.396		
800.00	799.27	796.59	792.29	2.68	2.81	129.22	18.45	-20.44	34.10	28.75	5.34	6.380		
900.00	899.15	892.43	885.70	3.05	3.26	121.59	38.67	-27.40	56.88	50.84	6.05	9.409		
1,000.00	999.03	986.66	976.81	3.42	3.73	117.60	61.41	-35.23	83.12	76.38	6.74	12.334		
1,100.00	1,098.91	1,079.12	1,065.39	3.79	4.24	115.06	86.47	-43.86	112.56	105.15	7.41	15.182		
1,200.00	1,198.78	1,169.69	1,151.28	4.16	4.77	113.25	113.62	-53.22	145.06	136.97	8.09	17.934		
1,300.00	1,298.66	1,260.99	1,237.04	4.52	5.33	111.89	143.23	-63.41	180.15	171.37	8.78	20.514		
1,400.00	1,398.54	1,354.43	1,324.69	4.89	5.92	110.92	173.83	-73.96	215.64	206.13	9.51	22.669		
1,500.00	1,498.42	1,447.87	1,412.34	5.26	6.53	110.22	204.44	-84.50	251.17	240.92	10.25	24.511		
1,600.00	1,598.30	1,541.30	1,500.00	5.63	7.14	109.70	235.04	-95.04	286.72	275.74	10.99	26.100		
1,700.00	1,698.18	1,634.74	1,587.65	6.00	7.75	109.29	265.65	-105.58	322.29	310.57	11.73	27.484		
1,800.00	1,798.06	1,728.18	1,675.30	6.37	8.37	108.96	296.25	-116.12	357.87	345.40	12.47	28.699		
1,900.00	1,897.94	1,821.62	1,762.95	6.74	8.99	108.69	326.86	-126.66	393.46	380.25	13.22	29.773		
2,000.00	1,997.82	1,915.06	1,850.60	7.11	9.61	108.47	357.46	-137.20	429.06	415.10	13.96	30.731		
2,100.00	2,097.70	2,008.49	1,938.26	7.48	10.23	108.28	388.07	-147.74	464.66	449.95	14.71	31.588		
2,200.00	2,197.58	2,101.93	2,025.91	7.84	10.86	108.12	418.67	-158.29	500.27	484.81	15.46	32.360		
2,300.00	2,297.46	2,204.63	2,113.56	8.21	11.55	107.98	449.28	-168.83	535.87	519.62	16.25	32.977		
2,400.00	2,397.33	2,288.81	2,201.21	8.58	12.12	107.85	479.88	-179.37	571.49	554.52	16.96	33.695		
2,500.00	2,497.21	2,382.25	2,288.86	8.95	12.75	107.75	510.49	-189.91	607.10	589.39	17.71	34.275		
2,600.00	2,597.09	2,475.68	2,376.52	9.32	13.38	107.65	541.09	-200.45	642.71	624.25	18.47	34.807		
2,700.00	2,696.97	2,569.12	2,464.17	9.69	14.01	107.56	571.70	-210.99	678.33	659.11	19.22	35.296		
2,800.00	2,796.85	2,662.56	2,551.82	10.06	14.64	107.48	602.30	-221.53	713.94	693.97	19.97	35.747		
2,900.00	2,896.73	2,756.00	2,639.47	10.43	15.27	107.41	632.91	-232.07	749.56	728.84	20.73	36.165		
3,000.00	2,996.61	2,849.44	2,727.12	10.80	15.91	107.35	663.51	-242.62	785.18	763.70	21.48	36.552		
3,100.00	3,096.49	2,942.87	2,814.78	11.17	16.54	107.29	694.12	-253.16	820.80	798.57	22.24	36.913		
3,200.00	3,196.37	3,036.31	2,902.43	11.53	17.17	107.24	724.72	-263.70	856.42	833.43	22.99	37.250		
3,300.00	3,296.25	3,129.75	2,990.08	11.90	17.81	107.19	755.33	-274.24	892.04	868.30	23.75	37.564		
3,400.00	3,396.13	3,223.19	3,077.73	12.27	18.44	107.14	785.93	-284.78	927.66	903.16	24.50	37.859		
3,500.00	3,496.01	3,316.62	3,165.38	12.64	19.08	107.10	816.54	-295.32	963.29	938.03	25.26	38.135		
3,600.00	3,595.88	3,410.06	3,253.03	13.01	19.71	107.06	847.14	-305.86	998.91	972.89	26.02	38.395		
3,700.00	3,695.76	3,503.50	3,340.69	13.38	20.35	107.02	877.75	-316.40	1,034.53	1,007.76	26.77	38.640		
3,800.00	3,795.64	3,603.06	3,428.34	13.75	21.02	106.99	908.35	-326.95	1,070.15	1,042.60	27.56	38.833		
3,900.00	3,895.52	3,709.62	3,515.99	14.12	21.75	106.96	938.96	-337.49	1,105.78	1,077.40	28.37	38.972		
4,000.00	3,995.40	3,783.81	3,603.64	14.49	22.25	106.93	969.56	-348.03	1,141.40	1,112.35	29.05	39.296		
4,100.00	4,095.28	3,877.25	3,691.29	14.86	22.89	106.90	1,000.17	-358.57	1,177.03	1,147.22	29.80	39.492		
4,200.00	4,195.16	3,970.69	3,778.95	15.22	23.52	106.87	1,030.77	-369.11	1,212.65	1,182.09	30.56	39.677		
4,300.00	4,295.04	4,064.13	3,866.60	15.59	24.16	106.85	1,061.38	-379.65	1,248.27	1,216.95	31.32	39.854		
4,400.00	4,394.92	4,157.57	3,954.25	15.96	24.80	106.83	1,091.98	-390.19	1,283.90	1,251.82	32.08	40.022		
4,500.00	4,494.80	4,251.00	4,041.90	16.33	25.43	106.80	1,122.59	-400.73	1,319.52	1,286.68	32.84	40.182		
4,600.00	4,594.68	4,344.44	4,129.55	16.70	26.07	106.78	1,153.19	-411.28	1,355.15	1,321.55	33.60	40.334		
4,700.00	4,694.56	4,437.88	4,217.21	17.07	26.71	106.76	1,183.80	-421.82	1,390.77	1,356.42	34.36	40.480		
4,800.00	4,794.43	4,531.32	4,304.86	17.44	27.34	106.74	1,214.40	-432.36	1,426.40	1,391.28	35.12	40.619		
4,900.00	4,894.31	4,624.76	4,392.51	17.81	27.98	106.72	1,245.01	-442.90	1,462.02	1,426.15	35.88	40.751		
5,000.00	4,994.19	4,718.19	4,480.16	18.18	28.62	106.71	1,275.61	-453.44	1,497.65	1,461.01	36.64	40.879		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 2-T4S-R65W - PROSPER FARMS 4-65 2-1-6 1BH - 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	5,094.07	4,811.63	4,567.81	18.55	29.25	106.69	1,306.22	-463.98	1,533.27	1,495.88	37.40	41.000		
5,200.00	5,193.95	4,905.07	4,655.47	18.91	29.89	106.68	1,336.82	-474.52	1,568.90	1,530.74	38.16	41.117		
5,300.00	5,293.83	5,001.49	4,743.12	19.28	30.55	106.66	1,367.43	-485.06	1,604.53	1,565.60	38.93	41.215		
5,400.00	5,393.71	5,091.95	4,830.77	19.65	31.16	106.65	1,398.03	-495.61	1,640.15	1,600.47	39.68	41.336		
5,500.00	5,493.59	5,185.38	4,918.42	20.02	31.80	106.63	1,428.64	-506.15	1,675.78	1,635.34	40.44	41.440		
5,600.00	5,593.47	5,278.82	5,006.07	20.39	32.44	106.62	1,459.24	-516.69	1,711.40	1,670.20	41.20	41.539		
5,700.00	5,693.35	5,372.26	5,093.73	20.76	33.08	106.61	1,489.85	-527.23	1,747.03	1,705.07	41.96	41.634		
5,800.00	5,793.23	5,465.70	5,181.38	21.13	33.71	106.59	1,520.45	-537.77	1,782.66	1,739.93	42.72	41.726		
5,900.00	5,893.11	5,559.14	5,269.03	21.50	34.35	106.58	1,551.06	-548.31	1,818.28	1,774.80	43.48	41.814		
6,000.00	5,992.99	5,652.57	5,356.68	21.87	34.99	106.57	1,581.66	-558.85	1,853.91	1,809.66	44.25	41.900		
6,100.00	6,092.86	5,746.01	5,444.33	22.24	35.62	106.56	1,612.27	-569.39	1,889.54	1,844.53	45.01	41.982		
6,200.00	6,192.74	5,839.45	5,531.99	22.60	36.26	106.55	1,642.87	-579.94	1,925.16	1,879.39	45.77	42.061		
6,300.00	6,292.62	5,932.89	5,619.64	22.97	36.90	106.54	1,673.48	-590.48	1,960.79	1,914.26	46.53	42.138		
6,400.00	6,392.50	6,026.33	5,707.29	23.34	37.54	106.53	1,704.08	-601.02	1,996.41	1,949.12	47.30	42.211		
6,500.00	6,492.38	6,119.76	5,794.94	23.71	38.17	106.52	1,734.69	-611.56	2,032.04	1,983.98	48.06	42.283		
6,600.00	6,592.26	6,213.20	5,882.59	24.08	38.81	106.51	1,765.29	-622.10	2,067.67	2,018.85	48.82	42.352		
6,700.00	6,692.14	6,306.64	5,970.25	24.45	39.45	106.50	1,795.90	-632.64	2,103.29	2,053.71	49.58	42.418		
6,800.00	6,792.02	6,400.08	6,057.90	24.82	40.09	106.50	1,826.50	-643.18	2,138.92	2,088.57	50.35	42.483		
6,900.00	6,891.90	6,506.48	6,145.55	25.19	40.81	106.49	1,857.11	-653.72	2,174.55	2,123.38	51.17	42.497		
7,000.00	6,991.78	6,586.95	6,233.20	25.56	41.36	106.48	1,887.71	-664.27	2,210.17	2,158.30	51.88	42.605		
7,100.00	7,091.66	6,680.39	6,320.85	25.93	42.00	106.47	1,918.32	-674.81	2,245.80	2,193.16	52.64	42.664		
7,200.00	7,191.54	6,773.83	6,408.51	26.29	42.64	106.46	1,948.92	-685.35	2,281.43	2,228.02	53.40	42.720		
7,300.00	7,291.41	6,867.27	6,496.16	26.66	43.28	106.46	1,979.53	-695.89	2,317.06	2,262.89	54.17	42.775		
7,400.00	7,390.63	6,960.87	6,583.96	27.05	43.91	82.39	2,010.19	-706.45	2,351.30	2,296.34	54.97	42.776		
7,500.00	7,486.41	7,053.17	6,670.55	27.49	44.54	76.89	2,040.42	-716.86	2,381.66	2,325.81	55.85	42.642		
7,600.00	7,575.82	7,141.39	6,753.30	27.98	45.15	74.14	2,069.31	-726.81	2,407.65	2,350.84	56.82	42.375		
7,700.00	7,656.17	7,222.83	6,829.70	28.54	45.70	72.60	2,095.99	-736.00	2,429.23	2,371.35	57.88	41.973		
7,800.00	7,724.99	7,295.02	6,897.42	29.19	46.20	71.79	2,119.64	-744.15	2,446.65	2,387.60	59.05	41.434		
7,900.00	7,780.22	7,355.77	6,954.41	29.99	46.61	71.44	2,139.54	-751.00	2,460.38	2,400.01	60.37	40.756		
8,000.00	7,820.15	7,403.24	6,998.94	30.95	46.93	71.30	2,155.08	-756.35	2,470.97	2,409.12	61.85	39.952		
8,100.00	7,843.59	7,435.98	7,029.65	32.08	47.16	71.20	2,165.81	-760.05	2,478.93	2,415.46	63.48	39.051		
8,200.00	7,850.00	7,453.16	7,045.77	33.35	47.27	71.11	2,171.43	-761.99	2,484.72	2,419.50	65.21	38.101		
8,300.00	7,850.00	7,464.41	7,056.32	34.77	47.35	71.36	2,175.12	-763.26	2,492.22	2,425.14	67.08	37.153		
8,400.00	7,850.00	7,475.66	7,066.88	36.34	47.43	71.62	2,178.80	-764.53	2,503.66	2,434.58	69.08	36.243		
8,500.00	7,850.00	7,486.92	7,077.44	38.03	47.51	71.88	2,182.49	-765.79	2,518.96	2,447.78	71.18	35.388		
8,600.00	7,850.00	7,498.17	7,087.99	39.84	47.58	72.14	2,186.18	-767.06	2,538.06	2,464.71	73.35	34.601		
8,700.00	7,850.00	7,509.42	7,098.55	41.74	47.66	72.40	2,189.86	-768.33	2,560.88	2,485.32	75.56	33.891		
8,800.00	7,850.00	7,520.67	7,109.10	43.72	47.74	72.66	2,193.55	-769.60	2,587.32	2,509.53	77.79	33.262		
8,900.00	7,850.00	7,531.93	7,119.66	45.78	47.81	72.91	2,197.23	-770.87	2,617.26	2,537.26	80.00	32.715		
9,000.00	7,850.00	7,543.18	7,130.22	47.90	47.89	73.17	2,200.92	-772.14	2,650.59	2,568.41	82.19	32.250		
9,100.00	7,850.00	7,554.43	7,140.77	50.08	47.97	73.43	2,204.61	-773.41	2,687.19	2,602.86	84.33	31.864		
9,200.00	7,850.00	7,565.69	7,151.33	52.30	48.04	73.69	2,208.29	-774.68	2,726.92	2,640.50	86.42	31.554		
9,300.00	7,850.00	7,576.94	7,161.88	54.57	48.12	73.94	2,211.98	-775.95	2,769.64	2,681.20	88.44	31.316		
9,400.00	7,850.00	7,588.19	7,172.44	56.87	48.20	74.20	2,215.66	-777.22	2,815.23	2,724.83	90.39	31.145		
9,500.00	7,850.00	7,600.56	7,183.00	59.21	48.28	74.46	2,219.35	-778.49	2,863.53	2,771.26	92.27	31.034		
9,600.00	7,850.00	7,610.70	7,193.55	61.58	48.35	74.72	2,223.03	-779.76	2,914.43	2,820.37	94.06	30.986		
9,700.00	7,850.00	7,621.95	7,204.11	63.97	48.43	74.97	2,226.72	-781.03	2,967.78	2,872.01	95.77	30.990		
9,800.00	7,850.00	7,633.20	7,214.66	66.38	48.50	75.23	2,230.41	-782.30	3,023.46	2,926.06	97.40	31.043		
9,900.00	7,850.00	7,644.46	7,225.22	68.82	48.58	75.49	2,234.09	-783.57	3,081.33	2,982.39	98.94	31.143		
10,000.00	7,850.00	7,655.71	7,235.78	71.27	48.66	75.74	2,237.78	-784.84	3,141.28	3,040.87	100.41	31.284		
10,100.00	7,850.00	7,666.96	7,246.33	73.75	48.73	76.00	2,241.46	-786.11	3,203.20	3,101.39	101.80	31.464		
10,200.00	7,850.00	7,667.47	7,246.81	76.23	48.74	76.01	2,241.63	-786.16	3,266.98	3,164.00	102.98	31.725		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 2-T4S-R65W - PROSPER FARMS 4-65 2-1-6 1BH - 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		
10,300.00	7,850.00	7,667.47	7,246.81	78.73	48.74	76.01	2,241.63	-786.16	3,332.54	3,228.46	104.07	32.021		
10,400.00	7,850.00	7,667.47	7,246.81	81.25	48.74	76.01	2,241.63	-786.16	3,399.78	3,294.68	105.10	32.349		
10,500.00	7,850.00	7,667.47	7,246.81	83.77	48.74	76.01	2,241.63	-786.16	3,468.59	3,362.54	106.05	32.706		
10,600.00	7,850.00	7,667.47	7,246.81	86.30	48.74	76.01	2,241.63	-786.16	3,538.90	3,431.95	106.95	33.091		
10,700.00	7,850.00	7,667.47	7,246.81	88.85	48.74	76.01	2,241.63	-786.16	3,610.61	3,502.83	107.78	33.500		
10,800.00	7,850.00	7,681.15	7,259.65	91.40	48.83	76.32	2,246.11	-787.54	3,683.49	3,574.74	108.75	33.871		
10,900.00	7,850.00	7,682.65	7,261.07	93.96	48.84	76.36	2,246.61	-787.68	3,757.72	3,648.22	109.50	34.317		
11,000.00	7,850.00	7,684.07	7,262.41	96.53	48.85	76.39	2,247.07	-787.80	3,833.12	3,722.92	110.20	34.784		
11,100.00	7,850.00	7,685.41	7,263.67	99.10	48.86	76.42	2,247.51	-787.91	3,909.62	3,798.77	110.85	35.269		
11,200.00	7,850.00	7,686.68	7,264.86	101.68	48.87	76.45	2,247.93	-788.01	3,987.16	3,875.70	111.46	35.771		
11,300.00	7,850.00	7,700.00	7,277.41	104.27	48.95	76.75	2,252.31	-788.91	4,065.80	3,953.59	112.21	36.235		
11,400.00	7,850.00	7,700.00	7,277.41	106.86	48.95	76.75	2,252.31	-788.91	4,145.22	4,032.50	112.72	36.773		
11,500.00	7,850.00	7,700.00	7,277.41	109.45	48.95	76.75	2,252.31	-788.91	4,225.51	4,112.31	113.21	37.325		
11,600.00	7,850.00	7,700.00	7,277.41	112.06	48.95	76.75	2,252.31	-788.91	4,306.63	4,192.97	113.66	37.891		
11,700.00	7,850.00	7,700.00	7,277.41	114.66	48.95	76.75	2,252.31	-788.91	4,388.53	4,274.45	114.08	38.468		
11,800.00	7,850.00	7,700.00	7,277.41	117.27	48.95	76.75	2,252.31	-788.91	4,471.17	4,356.69	114.48	39.057		
11,900.00	7,850.00	7,700.00	7,277.41	119.88	48.95	76.75	2,252.31	-788.91	4,554.50	4,439.65	114.85	39.657		
12,000.00	7,850.00	7,700.00	7,277.41	122.50	48.95	76.75	2,252.31	-788.91	4,638.49	4,523.29	115.19	40.267		
12,100.00	7,850.00	7,700.00	7,277.41	125.12	48.95	76.75	2,252.31	-788.91	4,723.10	4,607.58	115.52	40.887		
12,200.00	7,850.00	7,700.00	7,277.41	127.74	48.95	76.75	2,252.31	-788.91	4,808.31	4,692.49	115.82	41.515		
12,300.00	7,850.00	7,700.00	7,277.41	130.37	48.95	76.75	2,252.31	-788.91	4,894.07	4,777.96	116.11	42.152		
12,400.00	7,850.00	7,700.00	7,277.41	133.00	48.95	76.75	2,252.31	-788.91	4,980.37	4,863.99	116.37	42.796		
12,500.00	7,850.00	7,700.00	7,277.41	135.63	48.95	76.75	2,252.31	-788.91	5,067.17	4,950.54	116.63	43.448		
12,600.00	7,850.00	7,700.00	7,277.41	138.26	48.95	76.75	2,252.31	-788.91	5,154.44	5,037.58	116.86	44.107		
12,700.00	7,850.00	7,700.00	7,277.41	140.90	48.95	76.75	2,252.31	-788.91	5,242.18	5,125.09	117.09	44.772		
12,800.00	7,850.00	7,700.00	7,277.41	143.53	48.95	76.75	2,252.31	-788.91	5,330.34	5,213.05	117.29	45.444		
12,900.00	7,850.00	7,700.00	7,277.41	146.17	48.95	76.75	2,252.31	-788.91	5,418.92	5,301.42	117.49	46.122		
13,000.00	7,850.00	7,700.00	7,277.41	148.82	48.95	76.75	2,252.31	-788.91	5,507.88	5,390.20	117.68	46.805		
13,100.00	7,850.00	7,700.00	7,277.41	151.46	48.95	76.75	2,252.31	-788.91	5,597.22	5,479.37	117.85	47.493		
13,200.00	7,850.00	7,700.00	7,277.41	154.10	48.95	76.75	2,252.31	-788.91	5,686.92	5,568.90	118.02	48.186		
13,300.00	7,850.00	7,700.00	7,277.41	156.75	48.95	76.75	2,252.31	-788.91	5,776.95	5,658.77	118.18	48.884		
13,400.00	7,850.00	7,700.00	7,277.41	159.40	48.95	76.75	2,252.31	-788.91	5,867.30	5,748.98	118.33	49.586		
13,500.00	7,850.00	7,700.00	7,277.41	162.05	48.95	76.75	2,252.31	-788.91	5,957.97	5,839.50	118.47	50.292		
13,600.00	7,850.00	7,700.00	7,277.41	164.70	48.95	76.75	2,252.31	-788.91	6,048.93	5,930.32	118.60	51.002		
13,700.00	7,850.00	7,700.00	7,277.41	167.36	48.95	76.75	2,252.31	-788.91	6,140.17	6,021.44	118.73	51.716		
13,800.00	7,850.00	7,700.00	7,277.41	170.01	48.95	76.75	2,252.31	-788.91	6,231.67	6,112.82	118.85	52.434		
13,900.00	7,850.00	7,700.00	7,277.41	172.66	48.95	76.75	2,252.31	-788.91	6,323.44	6,204.47	118.96	53.154		
14,000.00	7,850.00	7,700.00	7,277.41	175.32	48.95	76.75	2,252.31	-788.91	6,415.45	6,296.38	119.07	53.878		
14,100.00	7,850.00	7,700.00	7,277.41	177.98	48.95	76.75	2,252.31	-788.91	6,507.70	6,388.52	119.18	54.605		
14,200.00	7,850.00	7,700.00	7,277.41	180.64	48.95	76.75	2,252.31	-788.91	6,600.17	6,480.89	119.28	55.335		
14,300.00	7,850.00	7,700.00	7,277.41	183.30	48.95	76.75	2,252.31	-788.91	6,692.86	6,573.49	119.37	56.068		
14,400.00	7,850.00	7,700.00	7,277.41	185.96	48.95	76.75	2,252.31	-788.91	6,785.76	6,666.29	119.46	56.803		
14,500.00	7,850.00	7,700.00	7,277.41	188.62	48.95	76.75	2,252.31	-788.91	6,878.85	6,759.30	119.55	57.540		
14,600.00	7,850.00	7,700.00	7,277.41	191.28	48.95	76.75	2,252.31	-788.91	6,972.14	6,852.51	119.63	58.280		
14,700.00	7,850.00	7,700.00	7,277.41	193.95	48.95	76.75	2,252.31	-788.91	7,065.61	6,945.90	119.71	59.021		
14,800.00	7,850.00	7,700.00	7,277.41	196.61	48.95	76.75	2,252.31	-788.91	7,159.26	7,039.47	119.79	59.765		
14,900.00	7,850.00	7,700.00	7,277.41	199.28	48.95	76.75	2,252.31	-788.91	7,253.07	7,133.21	119.86	60.511		
15,000.00	7,850.00	7,700.00	7,277.41	201.94	48.95	76.75	2,252.31	-788.91	7,347.05	7,227.12	119.94	61.259		
15,100.00	7,850.00	7,700.00	7,277.41	204.61	48.95	76.75	2,252.31	-788.91	7,441.19	7,321.19	120.00	62.008		
15,200.00	7,850.00	7,700.00	7,277.41	207.27	48.95	76.75	2,252.31	-788.91	7,535.48	7,415.41	120.07	62.759		
15,300.00	7,850.00	7,700.00	7,277.41	209.94	48.95	76.75	2,252.31	-788.91	7,629.91	7,509.78	120.13	63.511		
15,400.00	7,850.00	7,700.00	7,277.41	212.61	48.95	76.75	2,252.31	-788.91	7,724.49	7,604.29	120.20	64.265		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 2-T4S-R65W - PROSPER FARMS 4-65 2-1-6 1BH - 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		
15,500.00	7,850.00	7,700.00	7,277.41	215.28	48.95	76.75	2,252.31	-788.91	7,819.19	7,698.94	120.26	65.021		
15,600.00	7,850.00	7,700.00	7,277.41	217.95	48.95	76.75	2,252.31	-788.91	7,914.03	7,793.72	120.32	65.777		
15,700.00	7,850.00	7,700.00	7,277.41	220.62	48.95	76.75	2,252.31	-788.91	8,009.00	7,888.63	120.37	66.535		
15,800.00	7,850.00	7,700.00	7,277.41	223.29	48.95	76.75	2,252.31	-788.91	8,104.08	7,983.66	120.43	67.294		
15,900.00	7,850.00	7,700.00	7,277.41	225.96	48.95	76.75	2,252.31	-788.91	8,199.29	8,078.80	120.48	68.054		
16,000.00	7,850.00	7,700.00	7,277.41	228.64	48.95	76.75	2,252.31	-788.91	8,294.60	8,174.07	120.53	68.815		
16,100.00	7,850.00	7,700.00	7,277.41	231.31	48.95	76.75	2,252.31	-788.91	8,390.03	8,269.44	120.59	69.577		
16,200.00	7,850.00	7,700.00	7,277.41	233.98	48.95	76.75	2,252.31	-788.91	8,485.56	8,364.92	120.64	70.340		
16,300.00	7,850.00	7,700.00	7,277.41	236.65	48.95	76.75	2,252.31	-788.91	8,581.19	8,460.50	120.69	71.103		
16,400.00	7,850.00	7,700.00	7,277.41	239.33	48.95	76.75	2,252.31	-788.91	8,676.92	8,556.18	120.73	71.868		
16,500.00	7,850.00	7,700.00	7,277.41	242.00	48.95	76.75	2,252.31	-788.91	8,772.74	8,651.96	120.78	72.633		
16,600.00	7,850.00	7,700.00	7,277.41	244.68	48.95	76.75	2,252.31	-788.91	8,868.66	8,747.83	120.83	73.399		
16,700.00	7,850.00	7,700.00	7,277.41	247.35	48.95	76.75	2,252.31	-788.91	8,964.67	8,843.79	120.87	74.165		
16,800.00	7,850.00	7,700.00	7,277.41	250.03	48.95	76.75	2,252.31	-788.91	9,060.76	8,939.84	120.92	74.932		
16,900.00	7,850.00	7,700.00	7,277.41	252.70	48.95	76.75	2,252.31	-788.91	9,156.94	9,035.97	120.96	75.700		
17,000.00	7,850.00	7,700.00	7,277.41	255.38	48.95	76.75	2,252.31	-788.91	9,253.20	9,132.19	121.01	76.468		
17,100.00	7,850.00	7,700.00	7,277.41	258.06	48.95	76.75	2,252.31	-788.91	9,349.53	9,228.48	121.05	77.236		
17,200.00	7,850.00	7,700.00	7,277.41	260.73	48.95	76.75	2,252.31	-788.91	9,445.94	9,324.85	121.09	78.005		
17,300.00	7,850.00	7,700.00	7,277.41	263.41	48.95	76.75	2,252.31	-788.91	9,542.43	9,421.29	121.14	78.774		
17,400.00	7,850.00	7,700.00	7,277.41	266.09	48.95	76.75	2,252.31	-788.91	9,638.99	9,517.81	121.18	79.544		
17,500.00	7,850.00	7,700.00	7,277.41	268.77	48.95	76.75	2,252.31	-788.91	9,735.62	9,614.40	121.22	80.314		
17,600.00	7,850.00	7,700.00	7,277.41	271.45	48.95	76.75	2,252.31	-788.91	9,832.31	9,711.05	121.26	81.083		
17,700.00	7,850.00	7,700.00	7,277.41	274.12	48.95	76.75	2,252.31	-788.91	9,929.07	9,807.77	121.30	81.854		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 2-T4S-R65W - PROSPER FARMS 4-65 2-1-6 2AH - 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	0.80	-0.80	0.00	0.00	-179.73	-60.10	-0.28	60.11					
100.00	100.00	100.80	99.20	0.13	0.14	-179.73	-60.10	-0.28	60.11	59.83	0.27	221.201		
200.00	199.98	200.82	199.18	0.49	0.50	-63.57	-60.10	-0.28	59.31	58.33	0.98	60.408		
300.00	299.87	299.07	299.07	0.85	0.85	-67.72	-60.10	-0.28	57.40	55.71	1.69	33.907		
400.00	399.75	400.81	400.79	1.21	1.21	-72.01	-58.49	-1.02	54.03	51.61	2.43	22.280		
500.00	499.63	502.29	502.12	1.58	1.58	-76.09	-53.61	-3.24	47.52	44.36	3.16	15.048		
600.00	599.51	603.25	602.68	1.94	1.95	-80.88	-45.51	-6.93	37.81	33.92	3.89	9.727		
700.00	699.39	703.43	702.10	2.31	2.34	-89.11	-34.30	-12.04	25.04	20.43	4.61	5.433		
800.00	799.27	802.62	800.04	2.68	2.74	-119.94	-20.08	-18.51	10.69	5.35	5.34	2.002		
838.47	837.69	840.46	837.26	2.82	2.90	-162.61	-13.85	-21.35	7.86	2.20	5.67	1.387	Level 3, CC, ES, SF	
900.00	899.15	900.58	896.19	3.05	3.16	139.26	-3.02	-26.28	14.84	8.75	6.09	2.437		
1,000.00	999.03	997.12	990.26	3.42	3.61	118.44	16.71	-35.26	36.52	29.76	6.76	5.400		
1,100.00	1,098.91	1,092.05	1,082.00	3.79	4.08	112.27	38.91	-45.38	62.43	54.99	7.45	8.385		
1,200.00	1,198.78	1,187.15	1,173.26	4.16	4.58	109.24	63.27	-56.47	90.97	82.81	8.15	11.157		
1,300.00	1,298.66	1,282.87	1,265.06	4.52	5.11	107.62	87.92	-67.70	119.78	110.90	8.88	13.485		
1,400.00	1,398.54	1,378.59	1,356.86	4.89	5.64	106.63	112.58	-78.93	148.65	139.03	9.62	15.458		
1,500.00	1,498.42	1,474.31	1,448.67	5.26	6.17	105.96	137.24	-90.16	177.54	167.19	10.35	17.149		
1,600.00	1,598.30	1,570.02	1,540.47	5.63	6.72	105.48	161.89	-101.39	206.45	195.36	11.09	18.613		
1,700.00	1,698.18	1,665.74	1,632.27	6.00	7.26	105.12	186.55	-112.61	235.37	223.54	11.83	19.890		
1,800.00	1,798.06	1,761.46	1,724.08	6.37	7.81	104.84	211.20	-123.84	264.30	251.72	12.58	21.015		
1,900.00	1,897.94	1,857.18	1,815.88	6.74	8.37	104.61	235.86	-135.07	293.23	279.91	13.32	22.013		
2,000.00	1,997.82	1,952.89	1,907.68	7.11	8.92	104.42	260.52	-146.30	322.16	308.10	14.07	22.903		
2,100.00	2,097.70	2,048.61	1,999.49	7.48	9.48	104.27	285.17	-157.53	351.10	336.29	14.81	23.702		
2,200.00	2,197.58	2,144.33	2,091.29	7.84	10.03	104.13	309.83	-168.76	380.04	364.48	15.56	24.424		
2,300.00	2,297.46	2,240.05	2,183.09	8.21	10.59	104.02	334.48	-179.99	408.98	392.67	16.31	25.078		
2,400.00	2,397.33	2,335.76	2,274.90	8.58	11.15	103.92	359.14	-191.22	437.92	420.87	17.06	25.674		
2,500.00	2,497.21	2,431.48	2,366.70	8.95	11.71	103.84	383.80	-202.45	466.87	449.06	17.81	26.219		
2,600.00	2,597.09	2,527.20	2,458.50	9.32	12.27	103.76	408.45	-213.68	495.81	477.26	18.56	26.719		
2,700.00	2,696.97	2,622.92	2,550.30	9.69	12.84	103.69	433.11	-224.91	524.76	505.45	19.31	27.180		
2,800.00	2,796.85	2,718.63	2,642.11	10.06	13.40	103.63	457.76	-236.14	553.70	533.65	20.06	27.606		
2,900.00	2,896.73	2,814.35	2,733.91	10.43	13.96	103.58	482.42	-247.37	582.65	561.84	20.81	28.001		
3,000.00	2,996.61	2,910.07	2,825.71	10.80	14.53	103.53	507.08	-258.59	611.60	590.04	21.56	28.367		
3,100.00	3,096.49	3,005.79	2,917.52	11.17	15.09	103.48	531.73	-269.82	640.54	618.23	22.31	28.709		
3,200.00	3,196.37	3,101.50	3,009.32	11.53	15.65	103.44	556.39	-281.05	669.49	646.43	23.06	29.028		
3,300.00	3,296.25	3,197.22	3,101.12	11.90	16.22	103.40	581.04	-292.28	698.44	674.62	23.82	29.327		
3,400.00	3,396.13	3,307.06	3,192.93	12.27	16.87	103.37	605.70	-303.51	727.39	702.76	24.63	29.536		
3,500.00	3,496.01	3,388.66	3,284.73	12.64	17.35	103.34	630.36	-314.74	756.34	731.01	25.32	29.870		
3,600.00	3,595.88	3,484.37	3,376.53	13.01	17.91	103.31	655.01	-325.97	785.28	759.21	26.07	30.118		
3,700.00	3,695.76	3,580.09	3,468.34	13.38	18.48	103.28	679.67	-337.20	814.23	787.41	26.83	30.351		
3,800.00	3,795.64	3,675.81	3,560.14	13.75	19.04	103.25	704.32	-348.43	843.18	815.60	27.58	30.572		
3,900.00	3,895.52	3,771.53	3,651.94	14.12	19.61	103.23	728.98	-359.66	872.13	843.80	28.33	30.781		
4,000.00	3,995.40	3,867.24	3,743.75	14.49	20.18	103.21	753.64	-370.89	901.08	871.99	29.09	30.978		
4,100.00	4,095.28	3,962.96	3,835.55	14.86	20.74	103.19	778.29	-382.12	930.03	900.19	29.84	31.166		
4,200.00	4,195.16	4,058.68	3,927.35	15.22	21.31	103.17	802.95	-393.34	958.98	928.38	30.60	31.344		
4,300.00	4,295.04	4,154.40	4,019.16	15.59	21.87	103.15	827.60	-404.57	987.93	956.58	31.35	31.514		
4,400.00	4,394.92	4,250.11	4,110.96	15.96	22.44	103.13	852.26	-415.80	1,016.88	984.77	32.10	31.675		
4,500.00	4,494.80	4,345.83	4,202.76	16.33	23.01	103.11	876.92	-427.03	1,045.83	1,012.97	32.86	31.829		
4,600.00	4,594.68	4,441.55	4,294.57	16.70	23.57	103.10	901.57	-438.26	1,074.78	1,041.16	33.61	31.975		
4,700.00	4,694.56	4,537.27	4,386.37	17.07	24.14	103.08	926.23	-449.49	1,103.73	1,069.36	34.37	32.116		
4,800.00	4,794.43	4,632.98	4,478.17	17.44	24.71	103.07	950.88	-460.72	1,132.68	1,097.55	35.12	32.250		
4,900.00	4,894.31	4,728.70	4,569.98	17.81	25.27	103.06	975.54	-471.95	1,161.63	1,125.75	35.88	32.378		
5,000.00	4,994.19	4,824.42	4,661.78	18.18	25.84	103.04	1,000.20	-483.18	1,190.58	1,153.94	36.63	32.501		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 2-T4S-R65W - PROSPER FARMS 4-65 2-1-6 2AH - 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	5,094.07	4,920.14	4,753.58	18.55	26.41	103.03	1,024.85	-494.41	1,219.52	1,182.14	37.39	32.618		
5,200.00	5,193.95	5,015.85	4,845.38	18.91	26.98	103.02	1,049.51	-505.64	1,248.47	1,210.33	38.14	32.731		
5,300.00	5,293.83	5,111.57	4,937.19	19.28	27.54	103.01	1,074.17	-516.87	1,277.43	1,238.53	38.90	32.840		
5,400.00	5,393.71	5,207.29	5,028.99	19.65	28.11	103.00	1,098.82	-528.09	1,306.38	1,266.72	39.65	32.944		
5,500.00	5,493.59	5,303.01	5,120.79	20.02	28.68	102.99	1,123.48	-539.32	1,335.33	1,294.92	40.41	33.044		
5,600.00	5,593.47	5,401.28	5,212.60	20.39	29.26	102.98	1,148.13	-550.55	1,364.28	1,323.10	41.18	33.132		
5,700.00	5,693.35	5,505.56	5,304.40	20.76	29.88	102.97	1,172.79	-561.78	1,393.23	1,351.26	41.97	33.197		
5,800.00	5,793.23	5,609.84	5,396.20	21.13	30.50	102.96	1,197.45	-573.01	1,422.18	1,379.42	42.76	33.259		
5,900.00	5,893.11	5,685.88	5,488.01	21.50	30.95	102.95	1,222.10	-584.24	1,451.13	1,407.69	43.43	33.410		
6,000.00	5,992.99	5,781.59	5,579.81	21.87	31.52	102.94	1,246.76	-595.47	1,480.08	1,435.89	44.19	33.493		
6,100.00	6,092.86	5,877.31	5,671.61	22.24	32.08	102.94	1,271.41	-606.70	1,509.03	1,464.08	44.95	33.573		
6,200.00	6,192.74	5,973.03	5,763.42	22.60	32.65	102.93	1,296.07	-617.93	1,537.98	1,492.27	45.70	33.651		
6,300.00	6,292.62	6,068.75	5,855.22	22.97	33.22	102.92	1,320.73	-629.16	1,566.93	1,520.47	46.46	33.726		
6,400.00	6,392.50	6,164.46	5,947.02	23.34	33.79	102.91	1,345.38	-640.39	1,595.88	1,548.66	47.22	33.798		
6,500.00	6,492.38	6,260.18	6,038.83	23.71	34.35	102.91	1,370.04	-651.62	1,624.83	1,576.85	47.97	33.868		
6,600.00	6,592.26	6,355.90	6,130.63	24.08	34.92	102.90	1,394.69	-662.84	1,653.78	1,605.05	48.73	33.936		
6,700.00	6,692.14	6,451.62	6,222.43	24.45	35.49	102.89	1,419.35	-674.07	1,682.73	1,633.24	49.49	34.002		
6,800.00	6,792.02	6,547.33	6,314.24	24.82	36.06	102.89	1,444.01	-685.30	1,711.68	1,661.43	50.25	34.065		
6,900.00	6,891.90	6,643.05	6,406.04	25.19	36.62	102.88	1,468.66	-696.53	1,740.63	1,689.63	51.00	34.127		
7,000.00	6,991.78	6,738.77	6,497.84	25.56	37.19	102.88	1,493.32	-707.76	1,769.58	1,717.82	51.76	34.187		
7,100.00	7,091.66	6,834.49	6,589.65	25.93	37.76	102.87	1,517.97	-718.99	1,798.53	1,746.01	52.52	34.245		
7,200.00	7,191.54	6,930.20	6,681.45	26.29	38.33	102.86	1,542.63	-730.22	1,827.48	1,774.20	53.28	34.301		
7,300.00	7,291.41	7,025.92	6,773.25	26.66	38.90	102.86	1,567.29	-741.45	1,856.43	1,802.40	54.04	34.355		
7,400.00	7,390.63	7,121.82	6,865.23	27.05	39.46	79.59	1,591.99	-752.70	1,883.59	1,828.76	54.83	34.352		
7,500.00	7,486.41	7,216.42	6,955.96	27.49	40.03	75.09	1,616.36	-763.80	1,906.01	1,850.29	55.72	34.208		
7,600.00	7,575.82	7,306.86	7,042.70	27.98	40.56	73.41	1,639.65	-774.41	1,923.54	1,866.85	56.69	33.931		
7,700.00	7,656.17	7,390.39	7,122.81	28.54	41.06	72.97	1,661.17	-784.21	1,936.56	1,878.80	57.76	33.526		
7,800.00	7,724.99	7,502.10	7,230.32	29.19	41.69	74.15	1,689.98	-792.62	1,945.47	1,886.22	59.24	32.838		
7,900.00	7,780.22	7,583.64	7,308.79	29.99	42.05	75.56	1,710.82	-785.96	1,950.81	1,890.10	60.71	32.132		
8,000.00	7,820.15	7,613.22	7,336.93	30.95	42.17	75.85	1,718.26	-780.70	1,955.48	1,893.40	62.08	31.500		
8,100.00	7,843.59	7,615.58	7,339.16	32.08	42.18	75.38	1,718.85	-780.22	1,960.43	1,896.93	63.50	30.873		
8,200.00	7,850.00	7,602.91	7,327.15	33.35	42.13	74.57	1,715.68	-782.70	1,965.68	1,900.67	65.01	30.235		
8,300.00	7,850.00	7,588.93	7,313.84	34.77	42.08	74.17	1,712.16	-785.13	1,974.06	1,907.40	66.66	29.613		
8,400.00	7,850.00	7,578.16	7,303.55	36.34	42.03	73.86	1,709.44	-786.77	1,987.34	1,918.91	68.43	29.042		
8,500.00	7,850.00	7,569.61	7,295.36	38.03	42.00	73.61	1,707.27	-787.93	2,005.45	1,935.18	70.27	28.537		
8,600.00	7,850.00	7,562.66	7,288.70	39.84	41.97	73.41	1,705.50	-788.78	2,028.30	1,956.14	72.15	28.111		
8,700.00	7,850.00	7,550.00	7,276.53	41.74	41.92	73.04	1,702.27	-790.11	2,055.74	1,981.78	73.96	27.796		
8,800.00	7,850.00	7,550.00	7,276.53	43.72	41.92	73.04	1,702.27	-790.11	2,087.55	2,011.70	75.85	27.523		
8,900.00	7,850.00	7,550.00	7,276.53	45.78	41.92	73.04	1,702.27	-790.11	2,123.59	2,045.91	77.68	27.339		
9,000.00	7,850.00	7,550.00	7,276.53	47.90	41.92	73.04	1,702.27	-790.11	2,163.66	2,084.23	79.43	27.241		
9,100.00	7,850.00	7,550.00	7,276.53	50.08	41.92	73.04	1,702.27	-790.11	2,207.53	2,126.45	81.08	27.225		
9,200.00	7,850.00	7,550.00	7,276.53	52.30	41.92	73.04	1,702.27	-790.11	2,254.99	2,172.35	82.64	27.285		
9,300.00	7,850.00	7,550.00	7,276.53	54.57	41.92	73.04	1,702.27	-790.11	2,305.82	2,221.71	84.10	27.416		
9,400.00	7,850.00	7,533.92	7,261.03	56.87	41.84	72.58	1,698.16	-791.40	2,359.60	2,274.33	85.27	27.671		
9,500.00	7,850.00	7,531.97	7,259.16	59.21	41.83	72.52	1,697.66	-791.52	2,416.45	2,329.95	86.50	27.935		
9,600.00	7,850.00	7,530.22	7,257.46	61.58	41.82	72.47	1,697.21	-791.63	2,476.03	2,388.39	87.64	28.253		
9,700.00	7,850.00	7,528.62	7,255.93	63.97	41.81	72.42	1,696.80	-791.72	2,538.15	2,449.47	88.68	28.621		
9,800.00	7,850.00	7,527.17	7,254.53	66.38	41.81	72.38	1,696.43	-791.80	2,602.63	2,512.99	89.64	29.035		
9,900.00	7,850.00	7,525.84	7,253.24	68.82	41.80	72.34	1,696.08	-791.87	2,669.29	2,578.78	90.51	29.490		
10,000.00	7,850.00	7,524.62	7,252.07	71.27	41.80	72.30	1,695.77	-791.93	2,737.98	2,646.67	91.31	29.984		
10,100.00	7,850.00	7,523.50	7,250.98	73.75	41.79	72.27	1,695.48	-791.99	2,808.55	2,716.51	92.04	30.514		
10,200.00	7,850.00	7,522.46	7,249.98	76.23	41.79	72.24	1,695.21	-792.04	2,880.86	2,788.15	92.71	31.075		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 2-T4S-R65W - PROSPER FARMS 4-65 2-1-6 2AH - 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		
10,300.00	7,850.00	7,521.49	7,249.04	78.73	41.78	72.21	1,694.97	-792.08	2,954.78	2,861.47	93.31	31.666		
10,400.00	7,850.00	7,520.60	7,248.18	81.25	41.78	72.19	1,694.74	-792.12	3,030.20	2,936.34	93.86	32.284		
10,500.00	7,850.00	7,519.76	7,247.37	83.77	41.77	72.16	1,694.52	-792.16	3,107.01	3,012.65	94.36	32.926		
10,600.00	7,850.00	7,500.00	7,228.28	86.30	41.68	71.59	1,689.43	-792.64	3,185.40	3,090.82	94.58	33.679		
10,700.00	7,850.00	7,500.00	7,228.28	88.85	41.68	71.59	1,689.43	-792.64	3,264.67	3,169.67	95.01	34.363		
10,800.00	7,850.00	7,500.00	7,228.28	91.40	41.68	71.59	1,689.43	-792.64	3,345.05	3,249.66	95.39	35.066		
10,900.00	7,850.00	7,500.00	7,228.28	93.96	41.68	71.59	1,689.43	-792.64	3,426.46	3,330.72	95.74	35.788		
11,000.00	7,850.00	7,500.00	7,228.28	96.53	41.68	71.59	1,689.43	-792.64	3,508.83	3,412.77	96.07	36.525		
11,100.00	7,850.00	7,500.00	7,228.28	99.10	41.68	71.59	1,689.43	-792.64	3,592.10	3,495.74	96.36	37.278		
11,200.00	7,850.00	7,500.00	7,228.28	101.68	41.68	71.59	1,689.43	-792.64	3,676.20	3,579.58	96.63	38.045		
11,300.00	7,850.00	7,500.00	7,228.28	104.27	41.68	71.59	1,689.43	-792.64	3,761.08	3,664.21	96.87	38.825		
11,400.00	7,850.00	7,500.00	7,228.28	106.86	41.68	71.59	1,689.43	-792.64	3,846.69	3,749.59	97.10	39.617		
11,500.00	7,850.00	7,500.00	7,228.28	109.45	41.68	71.59	1,689.43	-792.64	3,932.98	3,835.68	97.30	40.421		
11,600.00	7,850.00	7,500.00	7,228.28	112.06	41.68	71.59	1,689.43	-792.64	4,019.90	3,922.41	97.49	41.234		
11,700.00	7,850.00	7,500.00	7,228.28	114.66	41.68	71.59	1,689.43	-792.64	4,107.42	4,009.75	97.66	42.058		
11,800.00	7,850.00	7,500.00	7,228.28	117.27	41.68	71.59	1,689.43	-792.64	4,195.49	4,097.67	97.82	42.890		
11,900.00	7,850.00	7,500.00	7,228.28	119.88	41.68	71.59	1,689.43	-792.64	4,284.09	4,186.12	97.97	43.730		
12,000.00	7,850.00	7,500.00	7,228.28	122.50	41.68	71.59	1,689.43	-792.64	4,373.18	4,275.08	98.10	44.579		
12,100.00	7,850.00	7,500.00	7,228.28	125.12	41.68	71.59	1,689.43	-792.64	4,462.73	4,364.51	98.22	45.434		
12,200.00	7,850.00	7,500.00	7,228.28	127.74	41.68	71.59	1,689.43	-792.64	4,552.72	4,454.38	98.34	46.296		
12,300.00	7,850.00	7,500.00	7,228.28	130.37	41.68	71.59	1,689.43	-792.64	4,643.12	4,544.67	98.44	47.165		
12,400.00	7,850.00	7,500.00	7,228.28	133.00	41.68	71.59	1,689.43	-792.64	4,733.90	4,635.36	98.54	48.039		
12,500.00	7,850.00	7,500.00	7,228.28	135.63	41.68	71.59	1,689.43	-792.64	4,825.05	4,726.42	98.63	48.919		
12,600.00	7,850.00	7,500.00	7,228.28	138.26	41.68	71.59	1,689.43	-792.64	4,916.54	4,817.82	98.72	49.804		
12,700.00	7,850.00	7,500.00	7,228.28	140.90	41.68	71.59	1,689.43	-792.64	5,008.36	4,909.56	98.80	50.693		
12,800.00	7,850.00	7,500.00	7,228.28	143.53	41.68	71.59	1,689.43	-792.64	5,100.48	5,001.61	98.87	51.588		
12,900.00	7,850.00	7,500.00	7,228.28	146.17	41.68	71.59	1,689.43	-792.64	5,192.90	5,093.96	98.94	52.486		
13,000.00	7,850.00	7,500.00	7,228.28	148.82	41.68	71.59	1,689.43	-792.64	5,285.59	5,186.59	99.00	53.388		
13,100.00	7,850.00	7,500.00	7,228.28	151.46	41.68	71.59	1,689.43	-792.64	5,378.55	5,279.48	99.06	54.294		
13,200.00	7,850.00	7,500.00	7,228.28	154.10	41.68	71.59	1,689.43	-792.64	5,471.75	5,372.63	99.12	55.203		
13,300.00	7,850.00	7,500.00	7,228.28	156.75	41.68	71.59	1,689.43	-792.64	5,565.19	5,466.01	99.17	56.115		
13,400.00	7,850.00	7,500.00	7,228.28	159.40	41.68	71.59	1,689.43	-792.64	5,658.85	5,559.63	99.23	57.030		
13,500.00	7,850.00	7,500.00	7,228.28	162.05	41.68	71.59	1,689.43	-792.64	5,752.73	5,653.45	99.27	57.948		
13,600.00	7,850.00	7,500.00	7,228.28	164.70	41.68	71.59	1,689.43	-792.64	5,846.81	5,747.49	99.32	58.868		
13,700.00	7,850.00	7,500.00	7,228.28	167.36	41.68	71.59	1,689.43	-792.64	5,941.08	5,841.72	99.36	59.791		
13,800.00	7,850.00	7,500.00	7,228.28	170.01	41.68	71.59	1,689.43	-792.64	6,035.54	5,936.13	99.41	60.716		
13,900.00	7,850.00	7,500.00	7,228.28	172.66	41.68	71.59	1,689.43	-792.64	6,130.17	6,030.73	99.45	61.643		
14,000.00	7,850.00	7,500.00	7,228.28	175.32	41.68	71.59	1,689.43	-792.64	6,224.97	6,125.49	99.48	62.572		
14,100.00	7,850.00	7,500.00	7,228.28	177.98	41.68	71.59	1,689.43	-792.64	6,319.93	6,220.41	99.52	63.503		
14,200.00	7,850.00	7,500.00	7,228.28	180.64	41.68	71.59	1,689.43	-792.64	6,415.05	6,315.49	99.56	64.436		
14,300.00	7,850.00	7,500.00	7,228.28	183.30	41.68	71.59	1,689.43	-792.64	6,510.31	6,410.72	99.59	65.369		
14,400.00	7,850.00	7,500.00	7,228.28	185.96	41.68	71.59	1,689.43	-792.64	6,605.71	6,506.08	99.63	66.305		
14,500.00	7,850.00	7,500.00	7,228.28	188.62	41.68	71.59	1,689.43	-792.64	6,701.24	6,601.58	99.66	67.241		
14,600.00	7,850.00	7,500.00	7,228.28	191.28	41.68	71.59	1,689.43	-792.64	6,796.91	6,697.22	99.69	68.179		
14,700.00	7,850.00	7,500.00	7,228.28	193.95	41.68	71.59	1,689.43	-792.64	6,892.69	6,792.97	99.72	69.118		
14,800.00	7,850.00	7,500.00	7,228.28	196.61	41.68	71.59	1,689.43	-792.64	6,988.60	6,888.84	99.75	70.058		
14,900.00	7,850.00	7,500.00	7,228.28	199.28	41.68	71.59	1,689.43	-792.64	7,084.62	6,984.83	99.79	70.998		
15,000.00	7,850.00	7,500.00	7,228.28	201.94	41.68	71.59	1,689.43	-792.64	7,180.74	7,080.93	99.82	71.940		
15,100.00	7,850.00	7,500.00	7,228.28	204.61	41.68	71.59	1,689.43	-792.64	7,276.97	7,177.13	99.85	72.882		
15,200.00	7,850.00	7,500.00	7,228.28	207.27	41.68	71.59	1,689.43	-792.64	7,373.30	7,273.43	99.88	73.825		
15,300.00	7,850.00	7,500.00	7,228.28	209.94	41.68	71.59	1,689.43	-792.64	7,469.73	7,369.83	99.91	74.768		
15,400.00	7,850.00	7,500.00	7,228.28	212.61	41.68	71.59	1,689.43	-792.64	7,566.25	7,466.32	99.93	75.712		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<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 2-T4S-R65W - PROSPER FARMS 4-65 2-1-6 2AH - OWB - PROPOSAL 1												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 0-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	
15,500.00	7,850.00	7,500.00	7,228.28	215.28	41.68	71.59	1,689.43	-792.64	7,662.86	7,562.90	99.96	76.656	
15,600.00	7,850.00	7,500.00	7,228.28	217.95	41.68	71.59	1,689.43	-792.64	7,759.56	7,659.56	99.99	77.601	
15,700.00	7,850.00	7,500.00	7,228.28	220.62	41.68	71.59	1,689.43	-792.64	7,856.34	7,756.31	100.02	78.546	
15,800.00	7,850.00	7,500.00	7,228.28	223.29	41.68	71.59	1,689.43	-792.64	7,953.19	7,853.14	100.05	79.491	
15,900.00	7,850.00	7,500.00	7,228.28	225.96	41.68	71.59	1,689.43	-792.64	8,050.13	7,950.05	100.08	80.436	
16,000.00	7,850.00	7,500.00	7,228.28	228.64	41.68	71.59	1,689.43	-792.64	8,147.14	8,047.03	100.11	81.381	
16,100.00	7,850.00	7,500.00	7,228.28	231.31	41.68	71.59	1,689.43	-792.64	8,244.22	8,144.08	100.14	82.326	
16,200.00	7,850.00	7,500.00	7,228.28	233.98	41.68	71.59	1,689.43	-792.64	8,341.37	8,241.20	100.17	83.272	
16,300.00	7,850.00	7,500.00	7,228.28	236.65	41.68	71.59	1,689.43	-792.64	8,438.58	8,338.38	100.20	84.217	
16,400.00	7,850.00	7,500.00	7,228.28	239.33	41.68	71.59	1,689.43	-792.64	8,535.86	8,435.63	100.23	85.162	
16,500.00	7,850.00	7,500.00	7,228.28	242.00	41.68	71.59	1,689.43	-792.64	8,633.21	8,532.94	100.26	86.107	
16,600.00	7,850.00	7,500.00	7,228.28	244.68	41.68	71.59	1,689.43	-792.64	8,730.61	8,630.32	100.29	87.052	
16,700.00	7,850.00	7,500.00	7,228.28	247.35	41.68	71.59	1,689.43	-792.64	8,828.07	8,727.75	100.32	87.997	
16,800.00	7,850.00	7,500.00	7,228.28	250.03	41.68	71.59	1,689.43	-792.64	8,925.59	8,825.23	100.35	88.941	
16,900.00	7,850.00	7,500.00	7,228.28	252.70	41.68	71.59	1,689.43	-792.64	9,023.16	8,922.77	100.39	89.885	
17,000.00	7,850.00	7,500.00	7,228.28	255.38	41.68	71.59	1,689.43	-792.64	9,120.78	9,020.36	100.42	90.828	
17,100.00	7,850.00	7,500.00	7,228.28	258.06	41.68	71.59	1,689.43	-792.64	9,218.46	9,118.01	100.45	91.771	
17,200.00	7,850.00	7,500.00	7,228.28	260.73	41.68	71.59	1,689.43	-792.64	9,316.18	9,215.70	100.48	92.714	
17,300.00	7,850.00	7,500.00	7,228.28	263.41	41.68	71.59	1,689.43	-792.64	9,413.95	9,313.44	100.52	93.656	
17,400.00	7,850.00	7,500.00	7,228.28	266.09	41.68	71.59	1,689.43	-792.64	9,511.77	9,411.22	100.55	94.598	
17,500.00	7,850.00	7,500.00	7,228.28	268.77	41.68	71.59	1,689.43	-792.64	9,609.63	9,509.05	100.58	95.539	
17,600.00	7,850.00	7,500.00	7,228.28	271.45	41.68	71.59	1,689.43	-792.64	9,707.54	9,606.92	100.62	96.480	
17,700.00	7,850.00	7,500.00	7,228.28	274.12	41.68	71.59	1,689.43	-792.64	9,805.49	9,704.84	100.65	97.420	
17,800.00	7,850.00	7,500.00	7,228.28	276.80	41.68	71.59	1,689.43	-792.64	9,903.48	9,802.79	100.69	98.359	

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 2-T4S-R65W - PROSPER FARMS 4-65 2-1-6 2BH - 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	0.70	-0.70	0.00	0.00	-179.80	-80.14	-0.28	80.14					
100.00	100.00	100.70	99.30	0.13	0.14	-179.80	-80.14	-0.28	80.14	79.87	0.27	295.323		
200.00	199.98	200.72	199.28	0.49	0.50	-63.26	-80.14	-0.28	79.34	78.36	0.98	80.839		
300.00	299.87	300.83	299.17	0.85	0.85	-66.33	-80.14	-0.28	77.37	75.67	1.70	45.534		
400.00	399.75	399.05	399.05	1.21	1.21	-69.74	-80.14	-0.28	75.53	73.11	2.41	31.278		
500.00	499.63	501.30	501.28	1.58	1.57	-72.85	-78.65	-1.27	72.36	69.21	3.15	22.981		
600.00	599.51	603.36	603.19	1.94	1.94	-75.17	-74.13	-4.28	66.07	62.19	3.88	17.025		
700.00	699.39	704.93	704.36	2.31	2.31	-76.81	-66.64	-9.26	56.56	51.95	4.61	12.268		
800.00	799.27	805.78	804.43	2.68	2.70	-77.73	-56.25	-16.17	43.76	38.43	5.33	8.205		
900.00	899.15	905.67	903.05	3.05	3.10	-77.28	-43.08	-24.94	27.68	21.63	6.05	4.574		
1,000.00	999.03	1,004.36	999.89	3.42	3.52	-67.29	-27.26	-35.46	8.50	1.72	6.78	1.254	Level 3	
1,038.33	1,037.31	1,041.84	1,036.50	3.56	3.68	6.90	-20.60	-39.89	2.26	-4.90	7.16	0.316	Level 1, CC, ES, SF	
1,100.00	1,098.91	1,102.07	1,095.34	3.79	3.96	86.98	-9.86	-47.03	13.42	5.96	7.46	1.798		
1,200.00	1,198.78	1,200.26	1,190.74	4.16	4.41	93.08	7.55	-58.62	34.76	26.56	8.20	4.239		
1,300.00	1,298.66	1,302.59	1,286.15	4.52	4.89	94.54	24.97	-70.20	56.19	47.23	8.95	6.275		
1,400.00	1,398.54	1,404.92	1,381.55	4.89	5.38	95.19	42.38	-81.79	77.63	67.92	9.71	7.996		
1,500.00	1,498.42	1,492.75	1,476.96	5.26	5.81	95.56	59.80	-93.37	99.08	88.67	10.41	9.519		
1,600.00	1,598.30	1,609.58	1,572.36	5.63	6.37	95.80	77.21	-104.96	120.53	109.30	11.22	10.740		
1,700.00	1,698.18	1,688.10	1,667.77	6.00	6.76	95.96	94.63	-116.54	141.98	130.09	11.89	11.942		
1,800.00	1,798.06	1,785.77	1,763.17	6.37	7.24	96.09	112.04	-128.13	163.43	150.80	12.63	12.939		
1,900.00	1,897.94	1,883.44	1,858.58	6.74	7.72	96.18	129.46	-139.72	184.89	171.51	13.37	13.825		
2,000.00	1,997.82	1,981.11	1,953.98	7.11	8.20	96.25	146.87	-151.30	206.34	192.22	14.12	14.616		
2,100.00	2,097.70	2,078.78	2,049.39	7.48	8.69	96.32	164.29	-162.89	227.79	212.93	14.86	15.328		
2,200.00	2,197.58	2,176.45	2,144.79	7.84	9.17	96.37	181.71	-174.47	249.25	233.64	15.61	15.972		
2,300.00	2,297.46	2,274.12	2,240.20	8.21	9.66	96.41	199.12	-186.06	270.70	254.35	16.35	16.556		
2,400.00	2,397.33	2,371.80	2,336.60	8.58	10.14	96.44	216.54	-197.64	292.16	275.06	17.10	17.089		
2,500.00	2,497.21	2,469.47	2,431.01	8.95	10.63	96.47	233.95	-209.23	313.61	295.77	17.84	17.577		
2,600.00	2,597.09	2,567.14	2,526.41	9.32	11.12	96.50	251.37	-220.82	335.06	316.48	18.59	18.026		
2,700.00	2,696.97	2,664.81	2,621.82	9.69	11.61	96.53	268.78	-232.40	356.52	337.18	19.33	18.440		
2,800.00	2,796.85	2,762.48	2,717.22	10.06	12.10	96.55	286.20	-243.99	377.97	357.89	20.08	18.823		
2,900.00	2,896.73	2,860.15	2,812.63	10.43	12.59	96.57	303.61	-255.57	399.43	378.60	20.83	19.178		
3,000.00	2,996.61	2,957.82	2,908.04	10.80	13.08	96.58	321.03	-267.16	420.88	399.31	21.57	19.508		
3,100.00	3,096.49	3,055.49	3,003.44	11.17	13.57	96.60	338.45	-278.74	442.34	420.02	22.32	19.816		
3,200.00	3,196.37	3,153.17	3,098.85	11.53	14.06	96.61	355.86	-290.33	463.79	440.72	23.07	20.104		
3,300.00	3,296.25	3,250.84	3,194.25	11.90	14.55	96.62	373.28	-301.91	485.25	461.43	23.82	20.374		
3,400.00	3,396.13	3,348.51	3,289.66	12.27	15.04	96.64	390.69	-313.50	506.70	482.14	24.56	20.627		
3,500.00	3,496.01	3,446.18	3,385.06	12.64	15.53	96.65	408.11	-325.09	528.16	502.84	25.31	20.865		
3,600.00	3,595.88	3,543.85	3,480.47	13.01	16.02	96.66	425.52	-336.67	549.61	523.55	26.06	21.090		
3,700.00	3,695.76	3,641.52	3,575.87	13.38	16.51	96.67	442.94	-348.26	571.07	544.26	26.81	21.301		
3,800.00	3,795.64	3,739.19	3,671.28	13.75	17.00	96.67	460.35	-359.84	592.52	564.96	27.56	21.501		
3,900.00	3,895.52	3,836.86	3,766.68	14.12	17.49	96.68	477.77	-371.43	613.98	585.67	28.31	21.691		
4,000.00	3,995.40	3,934.54	3,862.09	14.49	17.99	96.69	495.19	-383.01	635.43	606.38	29.05	21.871		
4,100.00	4,095.28	4,032.21	3,957.49	14.86	18.48	96.70	512.60	-394.60	656.89	627.08	29.80	22.041		
4,200.00	4,195.16	4,129.88	4,052.90	15.22	18.97	96.70	530.02	-406.18	678.34	647.79	30.55	22.203		
4,300.00	4,295.04	4,227.55	4,148.30	15.59	19.46	96.71	547.43	-417.77	699.80	668.50	31.30	22.357		
4,400.00	4,394.92	4,325.22	4,243.71	15.96	19.95	96.71	564.85	-429.36	721.25	689.20	32.05	22.504		
4,500.00	4,494.80	4,422.89	4,339.11	16.33	20.45	96.72	582.26	-440.94	742.71	709.91	32.80	22.645		
4,600.00	4,594.68	4,520.56	4,434.52	16.70	20.94	96.72	599.68	-452.53	764.16	730.61	33.55	22.779		
4,700.00	4,694.56	4,618.23	4,529.92	17.07	21.43	96.73	617.09	-464.11	785.62	751.32	34.30	22.907		
4,800.00	4,794.43	4,715.91	4,625.33	17.44	21.92	96.73	634.51	-475.70	807.07	772.03	35.05	23.029		
4,900.00	4,894.31	4,813.58	4,720.73	17.81	22.42	96.74	651.92	-487.28	828.53	792.73	35.80	23.146		
5,000.00	4,994.19	4,911.25	4,816.14	18.18	22.91	96.74	669.34	-498.87	849.98	813.44	36.54	23.259		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 2-T4S-R65W - PROSPER FARMS 4-65 2-1-6 2BH - 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	5,094.07	5,008.92	4,911.54	18.55	23.40	96.75	686.76	-510.45	871.44	834.14	37.29	23.367		
5,200.00	5,193.95	5,106.59	5,006.95	18.91	23.89	96.75	704.17	-522.04	892.89	854.85	38.04	23.470		
5,300.00	5,293.83	5,204.26	5,102.36	19.28	24.39	96.75	721.59	-533.63	914.35	875.55	38.79	23.570		
5,400.00	5,393.71	5,301.93	5,197.76	19.65	24.88	96.76	739.00	-545.21	935.80	896.26	39.54	23.666		
5,500.00	5,493.59	5,400.39	5,293.17	20.02	25.38	96.76	756.42	-556.80	957.26	916.96	40.30	23.756		
5,600.00	5,593.47	5,497.28	5,388.57	20.39	25.86	96.76	773.83	-568.38	978.71	937.67	41.04	23.846		
5,700.00	5,693.35	5,594.95	5,483.98	20.76	26.36	96.76	791.25	-579.97	1,000.17	958.37	41.79	23.932		
5,800.00	5,793.23	5,707.38	5,579.38	21.13	26.92	96.77	808.66	-591.55	1,021.62	979.02	42.60	23.981		
5,900.00	5,893.11	5,809.71	5,674.79	21.50	27.44	96.77	826.08	-603.14	1,043.08	999.71	43.37	24.051		
6,000.00	5,992.99	5,887.96	5,770.19	21.87	27.84	96.77	843.50	-614.73	1,064.53	1,020.49	44.04	24.170		
6,100.00	6,092.86	5,985.63	5,865.60	22.24	28.33	96.78	860.91	-626.31	1,085.99	1,041.19	44.79	24.245		
6,200.00	6,192.74	6,083.30	5,961.00	22.60	28.82	96.78	878.33	-637.90	1,107.44	1,061.90	45.54	24.316		
6,300.00	6,292.62	6,180.98	6,056.41	22.97	29.32	96.78	895.74	-649.48	1,128.90	1,082.60	46.29	24.386		
6,400.00	6,392.50	6,278.65	6,151.81	23.34	29.81	96.78	913.16	-661.07	1,150.35	1,103.31	47.04	24.453		
6,500.00	6,492.38	6,376.32	6,247.22	23.71	30.30	96.78	930.57	-672.65	1,171.81	1,124.01	47.79	24.518		
6,600.00	6,592.26	6,473.99	6,342.62	24.08	30.80	96.79	947.99	-684.24	1,193.26	1,144.72	48.55	24.580		
6,700.00	6,692.14	6,571.66	6,438.03	24.45	31.29	96.79	965.40	-695.82	1,214.72	1,165.42	49.30	24.641		
6,800.00	6,792.02	6,669.33	6,533.43	24.82	31.78	96.79	982.82	-707.41	1,236.17	1,186.12	50.05	24.700		
6,900.00	6,891.90	6,767.00	6,628.84	25.19	32.27	96.79	1,000.23	-719.00	1,257.63	1,206.83	50.80	24.758		
7,000.00	6,991.78	6,864.67	6,724.24	25.56	32.77	96.79	1,017.65	-730.58	1,279.08	1,227.53	51.55	24.813		
7,100.00	7,091.66	6,962.35	6,819.65	25.93	33.26	96.80	1,035.07	-742.17	1,300.54	1,248.24	52.30	24.867		
7,200.00	7,191.54	7,060.02	6,915.05	26.29	33.75	96.80	1,052.48	-753.75	1,321.99	1,268.94	53.05	24.920		
7,300.00	7,291.41	7,157.69	7,010.46	26.66	34.25	96.80	1,069.90	-765.34	1,343.45	1,289.65	53.80	24.971		
7,400.00	7,390.63	7,255.54	7,106.04	27.05	34.74	74.42	1,087.34	-776.94	1,362.43	1,307.84	54.59	24.957		
7,500.00	7,486.41	7,352.04	7,200.30	27.49	35.23	71.15	1,104.55	-788.39	1,375.16	1,319.69	55.48	24.789		
7,600.00	7,575.82	7,658.78	7,496.67	27.98	36.25	77.25	1,157.03	-752.17	1,375.96	1,318.49	57.47	23.941		
7,700.00	7,656.17	7,778.31	7,600.45	28.54	36.37	81.95	1,174.44	-695.93	1,368.33	1,309.69	58.64	23.336		
7,800.00	7,724.99	7,804.17	7,621.25	29.19	36.39	83.21	1,177.84	-680.95	1,363.38	1,303.66	59.72	22.830		
7,856.74	7,758.11	7,802.17	7,619.67	29.64	36.39	83.09	1,177.59	-682.14	1,362.61	1,302.28	60.33	22.585		
7,900.00	7,780.22	7,796.16	7,614.88	29.99	36.38	82.72	1,176.81	-685.69	1,363.05	1,302.28	60.77	22.430		
8,000.00	7,820.15	7,772.93	7,596.04	30.95	36.37	81.25	1,173.71	-698.92	1,367.17	1,305.33	61.85	22.106		
8,100.00	7,843.59	7,741.72	7,569.93	32.08	36.35	79.19	1,169.39	-715.46	1,374.97	1,311.98	62.99	21.827		
8,200.00	7,850.00	7,706.01	7,539.03	33.35	36.31	76.96	1,164.21	-732.58	1,385.44	1,321.21	64.23	21.571		
8,300.00	7,850.00	7,674.18	7,510.65	34.77	36.27	75.77	1,159.42	-746.17	1,400.43	1,334.87	65.56	21.362		
8,400.00	7,850.00	7,650.00	7,488.63	36.34	36.23	74.84	1,155.66	-755.42	1,421.50	1,354.53	66.96	21.228		
8,500.00	7,850.00	7,628.10	7,468.37	38.03	36.19	73.99	1,152.19	-762.97	1,448.60	1,380.25	68.35	21.194		
8,600.00	7,850.00	7,610.99	7,452.36	39.84	36.16	73.33	1,149.43	-768.32	1,481.55	1,411.84	69.71	21.252		
8,700.00	7,850.00	7,600.00	7,441.99	41.74	36.14	72.89	1,147.64	-771.50	1,520.08	1,449.03	71.05	21.395		
8,800.00	7,850.00	7,584.40	7,427.18	43.72	36.10	72.28	1,145.06	-775.67	1,563.81	1,491.60	72.21	21.656		
8,900.00	7,850.00	7,573.88	7,417.13	45.78	36.07	71.86	1,143.32	-778.25	1,612.39	1,539.08	73.31	21.994		
9,000.00	7,850.00	7,564.75	7,408.37	47.90	36.05	71.50	1,141.79	-780.33	1,665.43	1,591.13	74.30	22.416		
9,100.00	7,850.00	7,550.00	7,394.16	50.08	36.01	70.91	1,139.30	-783.40	1,722.57	1,647.47	75.10	22.937		
9,200.00	7,850.00	7,550.00	7,394.16	52.30	36.01	70.91	1,139.30	-783.40	1,783.33	1,707.38	75.96	23.478		
9,300.00	7,850.00	7,550.00	7,394.16	54.57	36.01	70.91	1,139.30	-783.40	1,847.51	1,770.81	76.71	24.085		
9,400.00	7,850.00	7,550.00	7,394.16	56.87	36.01	70.91	1,139.30	-783.40	1,914.77	1,837.41	77.36	24.753		
9,500.00	7,850.00	7,532.66	7,377.37	59.21	35.96	70.22	1,136.35	-786.53	1,984.52	1,906.80	77.72	25.533		
9,600.00	7,850.00	7,528.07	7,372.91	61.58	35.95	70.04	1,135.57	-787.28	2,056.86	1,978.70	78.16	26.316		
9,700.00	7,850.00	7,523.90	7,368.85	63.97	35.94	69.87	1,134.85	-787.92	2,131.40	2,052.86	78.54	27.139		
9,800.00	7,850.00	7,520.09	7,365.14	66.38	35.92	69.72	1,134.20	-788.48	2,207.92	2,129.06	78.86	27.999		
9,900.00	7,850.00	7,500.00	7,345.52	68.82	35.86	68.91	1,130.72	-791.03	2,286.49	2,207.54	78.95	28.962		
10,000.00	7,850.00	7,500.00	7,345.52	71.27	35.86	68.91	1,130.72	-791.03	2,366.33	2,287.11	79.22	29.870		
10,100.00	7,850.00	7,500.00	7,345.52	73.75	35.86	68.91	1,130.72	-791.03	2,447.66	2,368.20	79.45	30.806		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 2-T4S-R65W - PROSPER FARMS 4-65 2-1-6 2BH - 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		
10,200.00	7,850.00	7,500.00	7,345.52	76.23	35.86	68.91	1,130.72	-791.03	2,530.32	2,450.67	79.65	31.767		
10,300.00	7,850.00	7,500.00	7,345.52	78.73	35.86	68.91	1,130.72	-791.03	2,614.20	2,534.37	79.82	32.750		
10,400.00	7,850.00	7,500.00	7,345.52	81.25	35.86	68.91	1,130.72	-791.03	2,699.17	2,619.20	79.97	33.753		
10,500.00	7,850.00	7,500.00	7,345.52	83.77	35.86	68.91	1,130.72	-791.03	2,785.14	2,705.05	80.09	34.774		
10,600.00	7,850.00	7,500.00	7,345.52	86.30	35.86	68.91	1,130.72	-791.03	2,872.03	2,791.83	80.20	35.811		
10,700.00	7,850.00	7,500.00	7,345.52	88.85	35.86	68.91	1,130.72	-791.03	2,959.74	2,879.45	80.29	36.863		
10,800.00	7,850.00	7,500.00	7,345.52	91.40	35.86	68.91	1,130.72	-791.03	3,048.20	2,967.84	80.37	37.929		
10,900.00	7,850.00	7,500.00	7,345.52	93.96	35.86	68.91	1,130.72	-791.03	3,137.36	3,056.93	80.43	39.006		
11,000.00	7,850.00	7,500.00	7,345.52	96.53	35.86	68.91	1,130.72	-791.03	3,227.16	3,146.67	80.49	40.094		
11,100.00	7,850.00	7,500.00	7,345.52	99.10	35.86	68.91	1,130.72	-791.03	3,317.54	3,237.00	80.54	41.193		
11,200.00	7,850.00	7,500.00	7,345.52	101.68	35.86	68.91	1,130.72	-791.03	3,408.45	3,327.88	80.58	42.300		
11,300.00	7,850.00	7,500.00	7,345.52	104.27	35.86	68.91	1,130.72	-791.03	3,499.86	3,419.25	80.61	43.416		
11,400.00	7,850.00	7,500.00	7,345.52	106.86	35.86	68.91	1,130.72	-791.03	3,591.73	3,511.09	80.64	44.539		
11,500.00	7,850.00	7,500.00	7,345.52	109.45	35.86	68.91	1,130.72	-791.03	3,684.03	3,603.36	80.67	45.669		
11,600.00	7,850.00	7,500.00	7,345.52	112.06	35.86	68.91	1,130.72	-791.03	3,776.71	3,696.02	80.69	46.806		
11,700.00	7,850.00	7,500.00	7,345.52	114.66	35.86	68.91	1,130.72	-791.03	3,869.76	3,789.05	80.71	47.948		
11,800.00	7,850.00	7,500.00	7,345.52	117.27	35.86	68.91	1,130.72	-791.03	3,963.15	3,882.43	80.72	49.095		
11,900.00	7,850.00	7,500.00	7,345.52	119.88	35.86	68.91	1,130.72	-791.03	4,056.85	3,976.12	80.74	50.247		
12,000.00	7,850.00	7,500.00	7,345.52	122.50	35.86	68.91	1,130.72	-791.03	4,150.85	4,070.10	80.75	51.403		
12,100.00	7,850.00	7,478.34	7,324.28	125.12	35.79	68.05	1,126.95	-792.99	4,244.68	4,164.12	80.56	52.687		
12,200.00	7,850.00	7,477.46	7,323.41	127.74	35.78	68.02	1,126.79	-793.05	4,339.18	4,258.61	80.57	53.857		
12,300.00	7,850.00	7,476.61	7,322.58	130.37	35.78	67.98	1,126.65	-793.11	4,433.91	4,353.34	80.57	55.031		
12,400.00	7,850.00	7,475.80	7,321.78	133.00	35.78	67.95	1,126.50	-793.16	4,528.87	4,448.29	80.57	56.207		
12,500.00	7,850.00	7,475.02	7,321.02	135.63	35.77	67.92	1,126.37	-793.22	4,624.03	4,543.46	80.58	57.386		
12,600.00	7,850.00	7,474.27	7,320.28	138.26	35.77	67.89	1,126.24	-793.26	4,719.40	4,638.82	80.58	58.568		
12,700.00	7,850.00	7,473.55	7,319.58	140.90	35.77	67.86	1,126.11	-793.31	4,814.96	4,734.37	80.58	59.751		
12,800.00	7,850.00	7,472.86	7,318.90	143.53	35.77	67.83	1,125.99	-793.35	4,910.69	4,830.10	80.59	60.936		
12,900.00	7,850.00	7,472.19	7,318.24	146.17	35.76	67.81	1,125.87	-793.39	5,006.58	4,925.99	80.59	62.123		
13,000.00	7,850.00	7,450.00	7,296.41	148.82	35.68	66.93	1,121.97	-794.32	5,103.07	5,022.67	80.40	63.470		
13,100.00	7,850.00	7,450.00	7,296.41	151.46	35.68	66.93	1,121.97	-794.32	5,199.25	5,118.83	80.41	64.657		
13,200.00	7,850.00	7,450.00	7,296.41	154.10	35.68	66.93	1,121.97	-794.32	5,295.56	5,215.14	80.42	65.845		
13,300.00	7,850.00	7,450.00	7,296.41	156.75	35.68	66.93	1,121.97	-794.32	5,392.02	5,311.58	80.44	67.034		
13,400.00	7,850.00	7,450.00	7,296.41	159.40	35.68	66.93	1,121.97	-794.32	5,488.60	5,408.15	80.45	68.223		
13,500.00	7,850.00	7,450.00	7,296.41	162.05	35.68	66.93	1,121.97	-794.32	5,585.30	5,504.83	80.46	69.414		
13,600.00	7,850.00	7,450.00	7,296.41	164.70	35.68	66.93	1,121.97	-794.32	5,682.11	5,601.63	80.48	70.604		
13,700.00	7,850.00	7,450.00	7,296.41	167.36	35.68	66.93	1,121.97	-794.32	5,779.03	5,698.54	80.49	71.796		
13,800.00	7,850.00	7,450.00	7,296.41	170.01	35.68	66.93	1,121.97	-794.32	5,876.06	5,795.55	80.51	72.987		
13,900.00	7,850.00	7,450.00	7,296.41	172.66	35.68	66.93	1,121.97	-794.32	5,973.18	5,892.66	80.52	74.179		
14,000.00	7,850.00	7,450.00	7,296.41	175.32	35.68	66.93	1,121.97	-794.32	6,070.40	5,989.86	80.54	75.370		
14,100.00	7,850.00	7,450.00	7,296.41	177.98	35.68	66.93	1,121.97	-794.32	6,167.71	6,087.15	80.56	76.562		
14,200.00	7,850.00	7,450.00	7,296.41	180.64	35.68	66.93	1,121.97	-794.32	6,265.10	6,184.52	80.58	77.753		
14,300.00	7,850.00	7,450.00	7,296.41	183.30	35.68	66.93	1,121.97	-794.32	6,362.57	6,281.97	80.60	78.944		
14,400.00	7,850.00	7,450.00	7,296.41	185.96	35.68	66.93	1,121.97	-794.32	6,460.12	6,379.50	80.62	80.135		
14,500.00	7,850.00	7,450.00	7,296.41	188.62	35.68	66.93	1,121.97	-794.32	6,557.74	6,477.10	80.64	81.325		
14,600.00	7,850.00	7,450.00	7,296.41	191.28	35.68	66.93	1,121.97	-794.32	6,655.43	6,574.78	80.66	82.514		
14,700.00	7,850.00	7,450.00	7,296.41	193.95	35.68	66.93	1,121.97	-794.32	6,753.20	6,672.52	80.68	83.703		
14,800.00	7,850.00	7,450.00	7,296.41	196.61	35.68	66.93	1,121.97	-794.32	6,851.02	6,770.32	80.70	84.892		
14,900.00	7,850.00	7,450.00	7,296.41	199.28	35.68	66.93	1,121.97	-794.32	6,948.91	6,868.18	80.73	86.079		
15,000.00	7,850.00	7,450.00	7,296.41	201.94	35.68	66.93	1,121.97	-794.32	7,046.86	6,966.10	80.75	87.266		
15,100.00	7,850.00	7,450.00	7,296.41	204.61	35.68	66.93	1,121.97	-794.32	7,144.86	7,064.08	80.78	88.452		
15,200.00	7,850.00	7,450.00	7,296.41	207.27	35.68	66.93	1,121.97	-794.32	7,242.92	7,162.12	80.80	89.636		
15,300.00	7,850.00	7,450.00	7,296.41	209.94	35.68	66.93	1,121.97	-794.32	7,341.03	7,260.20	80.83	90.820		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<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 2-T4S-R65W - PROSPER FARMS 4-65 2-1-6 2BH - OWB - PROPOSAL 1												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 0-MWD OWSG												<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)					
15,400.00	7,850.00	7,450.00	7,296.41	212.61	35.68	66.93	1,121.97	-794.32	7,439.19	7,358.33	80.86	92.003	
15,500.00	7,850.00	7,450.00	7,296.41	215.28	35.68	66.93	1,121.97	-794.32	7,537.40	7,456.51	80.89	93.184	
15,600.00	7,850.00	7,450.00	7,296.41	217.95	35.68	66.93	1,121.97	-794.32	7,635.66	7,554.74	80.92	94.365	
15,700.00	7,850.00	7,450.00	7,296.41	220.62	35.68	66.93	1,121.97	-794.32	7,733.96	7,653.01	80.95	95.544	
15,800.00	7,850.00	7,450.00	7,296.41	223.29	35.68	66.93	1,121.97	-794.32	7,832.30	7,751.32	80.98	96.721	
15,900.00	7,850.00	7,450.00	7,296.41	225.96	35.68	66.93	1,121.97	-794.32	7,930.69	7,849.68	81.01	97.898	
16,000.00	7,850.00	7,450.00	7,296.41	228.64	35.68	66.93	1,121.97	-794.32	8,029.11	7,948.07	81.04	99.073	
16,100.00	7,850.00	7,450.00	7,296.41	231.31	35.68	66.93	1,121.97	-794.32	8,127.57	8,046.50	81.08	100.246	
16,200.00	7,850.00	7,450.00	7,296.41	233.98	35.68	66.93	1,121.97	-794.32	8,226.07	8,144.96	81.11	101.418	
16,300.00	7,850.00	7,450.00	7,296.41	236.65	35.68	66.93	1,121.97	-794.32	8,324.61	8,243.46	81.15	102.589	
16,400.00	7,850.00	7,450.00	7,296.41	239.33	35.68	66.93	1,121.97	-794.32	8,423.18	8,342.00	81.18	103.757	
16,500.00	7,850.00	7,450.00	7,296.41	242.00	35.68	66.93	1,121.97	-794.32	8,521.79	8,440.57	81.22	104.925	
16,600.00	7,850.00	7,450.00	7,296.41	244.68	35.68	66.93	1,121.97	-794.32	8,620.42	8,539.17	81.26	106.090	
16,700.00	7,850.00	7,450.00	7,296.41	247.35	35.68	66.93	1,121.97	-794.32	8,719.09	8,637.80	81.29	107.254	
16,800.00	7,850.00	7,450.00	7,296.41	250.03	35.68	66.93	1,121.97	-794.32	8,817.79	8,736.45	81.33	108.416	
16,900.00	7,850.00	7,450.00	7,296.41	252.70	35.68	66.93	1,121.97	-794.32	8,916.51	8,835.14	81.37	109.577	
17,000.00	7,850.00	7,450.00	7,296.41	255.38	35.68	66.93	1,121.97	-794.32	9,015.27	8,933.85	81.41	110.735	
17,100.00	7,850.00	7,450.00	7,296.41	258.06	35.68	66.93	1,121.97	-794.32	9,114.05	9,032.59	81.45	111.892	
17,200.00	7,850.00	7,450.00	7,296.41	260.73	35.68	66.93	1,121.97	-794.32	9,212.86	9,131.36	81.50	113.047	
17,300.00	7,850.00	7,450.00	7,296.41	263.41	35.68	66.93	1,121.97	-794.32	9,311.69	9,230.15	81.54	114.200	
17,400.00	7,850.00	7,450.00	7,296.41	266.09	35.68	66.93	1,121.97	-794.32	9,410.55	9,328.97	81.58	115.351	
17,500.00	7,850.00	7,450.00	7,296.41	268.77	35.68	66.93	1,121.97	-794.32	9,509.43	9,427.80	81.63	116.500	
17,600.00	7,850.00	7,450.00	7,296.41	271.45	35.68	66.93	1,121.97	-794.32	9,608.33	9,526.66	81.67	117.647	
17,700.00	7,850.00	7,450.00	7,296.41	274.12	35.68	66.93	1,121.97	-794.32	9,707.26	9,625.55	81.72	118.792	
17,800.00	7,850.00	7,450.00	7,296.41	276.80	35.68	66.93	1,121.97	-794.32	9,806.21	9,724.45	81.76	119.935	
17,900.00	7,850.00	7,450.00	7,296.41	279.48	35.68	66.93	1,121.97	-794.32	9,905.18	9,823.37	81.81	121.076	

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 2-T4S-R65W - PROSPER FARMS 4-65 2-1-6 3AH - 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	0.60	-0.60	0.00	0.00	-179.84	-100.17	-0.28	100.17					
100.00	100.00	100.60	99.40	0.13	0.14	-179.84	-100.17	-0.28	100.17	99.90	0.27	369.641		
200.00	199.98	200.62	199.38	0.49	0.50	-63.08	-100.17	-0.28	99.37	98.39	0.98	101.288		
300.00	299.87	300.73	299.27	0.85	0.85	-65.51	-100.17	-0.28	97.36	95.67	1.70	57.313		
400.00	399.75	400.85	399.15	1.21	1.21	-68.20	-100.17	-0.28	95.43	93.01	2.42	39.419		
500.00	499.63	499.03	499.03	1.58	1.56	-70.99	-100.17	-0.28	93.71	90.58	3.14	29.858		
600.00	599.51	601.49	601.47	1.94	1.93	-73.27	-98.97	-1.62	90.83	86.96	3.87	23.461		
700.00	699.39	703.85	703.67	2.31	2.30	-74.30	-95.33	-5.68	85.18	80.58	4.60	18.510		
800.00	799.27	805.81	805.22	2.68	2.67	-73.90	-89.28	-12.42	76.68	71.35	5.33	14.381		
900.00	899.15	907.12	905.75	3.05	3.05	-71.48	-80.88	-21.77	65.41	59.34	6.06	10.789		
1,000.00	999.03	1,007.06	1,004.46	3.42	3.45	-65.64	-70.43	-33.42	51.92	45.12	6.80	7.634		
1,100.00	1,098.91	1,105.88	1,101.94	3.79	3.85	-55.18	-59.64	-45.45	38.92	31.35	7.56	5.145		
1,200.00	1,198.78	1,204.69	1,199.43	4.16	4.27	-35.89	-48.84	-57.48	28.36	20.02	8.35	3.398		
1,300.00	1,298.66	1,303.51	1,296.91	4.52	4.69	-3.44	-38.05	-69.50	23.78	14.70	9.09	2.618		
1,300.68	1,299.35	1,304.19	1,297.58	4.53	4.69	-3.19	-37.97	-69.59	23.78	14.69	9.09	2.616 CC, ES, SF		
1,400.00	1,398.54	1,402.32	1,394.40	4.89	5.11	29.17	-27.25	-81.53	28.25	18.52	9.73	2.904		
1,500.00	1,498.42	1,501.14	1,491.88	5.26	5.54	48.62	-16.46	-93.56	38.75	28.35	10.40	3.726		
1,600.00	1,598.30	1,599.95	1,589.37	5.63	5.97	59.17	-5.66	-105.59	51.74	40.62	11.12	4.654		
1,700.00	1,698.18	1,701.23	1,686.85	6.00	6.41	65.38	5.13	-117.61	65.75	53.89	11.86	5.545		
1,800.00	1,798.06	1,802.42	1,784.33	6.37	6.85	69.38	15.92	-129.64	80.25	67.65	12.60	6.367		
1,900.00	1,897.94	1,903.60	1,881.82	6.74	7.30	72.15	26.72	-141.67	95.02	81.67	13.35	7.116		
2,000.00	1,997.82	2,004.79	1,979.30	7.11	7.74	74.18	37.51	-153.70	109.95	95.85	14.10	7.796		
2,100.00	2,097.70	2,094.03	2,076.79	7.48	8.14	75.72	48.31	-165.72	124.98	110.17	14.81	8.439		
2,200.00	2,197.58	2,207.16	2,174.27	7.84	8.64	76.92	59.10	-177.75	140.08	124.48	15.61	8.976		
2,300.00	2,297.46	2,308.34	2,271.76	8.21	9.09	77.90	69.90	-189.78	155.23	138.87	16.36	9.490		
2,400.00	2,397.33	2,409.53	2,369.24	8.58	9.54	78.70	80.69	-201.81	170.42	153.31	17.11	9.960		
2,500.00	2,497.21	2,489.29	2,466.72	8.95	9.89	79.37	91.49	-213.83	185.63	167.85	17.78	10.439		
2,600.00	2,597.09	2,588.10	2,564.21	9.32	10.33	79.93	102.28	-225.86	200.86	182.34	18.53	10.842		
2,700.00	2,696.97	2,686.92	2,661.69	9.69	10.77	80.42	113.08	-237.89	216.11	196.84	19.27	11.215		
2,800.00	2,796.85	2,785.73	2,759.18	10.06	11.21	80.84	123.87	-249.92	231.38	211.36	20.01	11.561		
2,900.00	2,896.73	2,884.55	2,856.66	10.43	11.66	81.22	134.66	-261.95	246.65	225.89	20.76	11.882		
3,000.00	2,996.61	2,983.36	2,954.15	10.80	12.10	81.54	145.46	-273.97	261.93	240.43	21.50	12.181		
3,100.00	3,096.49	3,082.18	3,051.63	11.17	12.54	81.83	156.25	-286.00	277.22	254.98	22.25	12.461		
3,200.00	3,196.37	3,180.99	3,149.11	11.53	12.98	82.10	167.05	-298.03	292.52	269.53	22.99	12.722		
3,300.00	3,296.25	3,279.81	3,246.60	11.90	13.42	82.33	177.84	-310.06	307.82	284.08	23.74	12.968		
3,400.00	3,396.13	3,378.62	3,344.08	12.27	13.86	82.54	188.64	-322.08	323.13	298.65	24.48	13.199		
3,500.00	3,496.01	3,477.44	3,441.57	12.64	14.31	82.74	199.43	-334.11	338.44	313.21	25.23	13.416		
3,600.00	3,595.88	3,576.25	3,539.05	13.01	14.75	82.91	210.23	-346.14	353.75	327.78	25.97	13.620		
3,700.00	3,695.76	3,675.06	3,636.54	13.38	15.19	83.08	221.02	-358.17	369.07	342.35	26.72	13.814		
3,800.00	3,795.64	3,773.88	3,734.02	13.75	15.63	83.22	231.81	-370.19	384.39	356.93	27.46	13.997		
3,900.00	3,895.52	3,872.69	3,831.50	14.12	16.08	83.36	242.61	-382.22	399.71	371.50	28.21	14.170		
4,000.00	3,995.40	3,971.51	3,928.99	14.49	16.52	83.49	253.40	-394.25	415.04	386.08	28.95	14.335		
4,100.00	4,095.28	4,070.32	4,026.47	14.86	16.96	83.61	264.20	-406.28	430.36	400.66	29.70	14.491		
4,200.00	4,195.16	4,169.14	4,123.96	15.22	17.41	83.72	274.99	-418.30	445.69	415.25	30.44	14.639		
4,300.00	4,295.04	4,267.95	4,221.44	15.59	17.85	83.82	285.79	-430.33	461.02	429.83	31.19	14.781		
4,400.00	4,394.92	4,366.77	4,318.93	15.96	18.29	83.92	296.58	-442.36	476.35	444.41	31.94	14.916		
4,500.00	4,494.80	4,465.58	4,416.41	16.33	18.74	84.01	307.38	-454.39	491.68	459.00	32.68	15.045		
4,600.00	4,594.68	4,564.40	4,513.89	16.70	19.18	84.09	318.17	-466.41	507.01	473.59	33.43	15.168		
4,700.00	4,694.56	4,663.21	4,611.38	17.07	19.62	84.17	328.96	-478.44	522.35	488.18	34.17	15.285		
4,800.00	4,794.43	4,762.03	4,708.86	17.44	20.07	84.25	339.76	-490.47	537.68	502.76	34.92	15.398		
4,900.00	4,894.31	4,860.84	4,806.35	17.81	20.51	84.32	350.55	-502.50	553.02	517.35	35.67	15.506		
5,000.00	4,994.19	4,959.66	4,903.83	18.18	20.96	84.39	361.35	-514.52	568.36	531.94	36.41	15.609		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 2-T4S-R65W - PROSPER FARMS 4-65 2-1-6 3AH - 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	5,094.07	5,058.47	5,001.32	18.55	21.40	84.45	372.14	-526.55	583.69	546.54	37.16	15.709		
5,200.00	5,193.95	5,157.29	5,098.80	18.91	21.84	84.51	382.94	-538.58	599.03	561.13	37.90	15.804		
5,300.00	5,293.83	5,256.10	5,196.28	19.28	22.29	84.57	393.73	-550.61	614.37	575.72	38.65	15.896		
5,400.00	5,393.71	5,354.92	5,293.77	19.65	22.73	84.62	404.53	-562.63	629.71	590.31	39.40	15.984		
5,500.00	5,493.59	5,453.73	5,391.25	20.02	23.17	84.68	415.32	-574.66	645.05	604.91	40.14	16.069		
5,600.00	5,593.47	5,552.55	5,488.74	20.39	23.62	84.73	426.12	-586.69	660.39	619.50	40.89	16.151		
5,700.00	5,693.35	5,651.36	5,586.22	20.76	24.06	84.77	436.91	-598.72	675.73	634.09	41.63	16.230		
5,800.00	5,793.23	5,750.18	5,683.71	21.13	24.51	84.82	447.70	-610.74	691.07	648.69	42.38	16.306		
5,900.00	5,893.11	5,848.99	5,781.19	21.50	24.95	84.86	458.50	-622.77	706.41	663.28	43.13	16.380		
6,000.00	5,992.99	5,947.81	5,878.67	21.87	25.39	84.90	469.29	-634.80	721.75	677.88	43.87	16.451		
6,100.00	6,092.86	6,046.62	5,976.16	22.24	25.84	84.94	480.09	-646.83	737.10	692.48	44.62	16.519		
6,200.00	6,192.74	6,145.44	6,073.64	22.60	26.28	84.98	490.88	-658.85	752.44	707.07	45.37	16.586		
6,300.00	6,292.62	6,244.25	6,171.13	22.97	26.73	85.02	501.68	-670.88	767.78	721.67	46.11	16.650		
6,400.00	6,392.50	6,343.06	6,268.61	23.34	27.17	85.05	512.47	-682.91	783.12	736.26	46.86	16.712		
6,500.00	6,492.38	6,441.88	6,366.10	23.71	27.62	85.09	523.27	-694.94	798.47	750.86	47.61	16.772		
6,600.00	6,592.26	6,540.69	6,463.58	24.08	28.06	85.12	534.06	-706.96	813.81	765.46	48.35	16.831		
6,700.00	6,692.14	6,639.51	6,561.06	24.45	28.50	85.15	544.85	-718.99	829.16	780.06	49.10	16.887		
6,800.00	6,792.02	6,738.32	6,658.55	24.82	28.95	85.18	555.65	-731.02	844.50	794.65	49.85	16.942		
6,900.00	6,891.90	6,837.14	6,756.03	25.19	29.39	85.21	566.44	-743.05	859.84	809.25	50.59	16.995		
7,000.00	6,991.78	6,935.95	6,853.52	25.56	29.84	85.24	577.24	-755.07	875.19	823.85	51.34	17.047		
7,100.00	7,091.66	7,034.77	6,951.00	25.93	30.28	85.27	588.03	-767.10	890.53	838.45	52.09	17.097		
7,200.00	7,191.54	7,133.58	7,048.49	26.29	30.73	85.29	598.83	-779.13	905.88	853.04	52.83	17.146		
7,300.00	7,291.41	7,230.00	7,155.90	26.66	31.46	85.34	610.72	-792.06	921.11	867.23	53.87	17.098		
7,400.00	7,390.63	7,329.03	7,251.29	27.05	32.02	85.39	622.61	-804.99	936.44	881.42	54.90	17.049		
7,500.00	7,489.41	7,427.32	7,350.89	27.49	32.99	85.45	634.50	-817.92	951.65	895.63	56.00	16.999		
7,600.00	7,588.22	7,525.82	7,441.58	27.98	34.19	85.55	646.62	-830.95	966.86	910.84	57.14	16.948		
7,700.00	7,686.17	7,623.45	7,542.02	28.54	35.68	85.68	658.83	-844.08	982.07	926.05	58.32	16.896		
7,770.22	7,705.83	7,642.61	7,563.86	29.00	36.36	85.75	669.03	-857.21	997.28	941.26	59.54	16.843		
7,800.00	7,724.99	7,661.32	7,584.67	29.19	36.99	85.78	679.18	-869.34	1,012.49	956.47	60.79	16.790		
7,900.00	7,780.22	7,716.35	7,648.01	29.99	38.00	85.84	689.38	-881.47	1,027.70	971.68	62.06	16.737		
8,000.00	7,820.15	7,756.45	7,683.09	30.95	39.01	85.91	699.62	-893.60	1,042.91	986.89	63.34	16.684		
8,100.00	7,843.59	7,779.13	7,704.47	32.08	40.02	86.00	709.86	-905.73	1,058.12	1,002.10	64.62	16.631		
8,200.00	7,850.00	7,786.30	7,712.66	33.35	41.02	86.10	720.10	-917.86	1,073.33	1,017.31	65.90	16.578		
8,300.00	7,850.00	7,786.30	7,712.66	34.77	42.01	86.20	730.34	-929.99	1,088.54	1,032.52	67.18	16.525		
8,400.00	7,850.00	7,786.30	7,712.66	36.34	43.00	86.30	740.58	-942.12	1,103.75	1,047.73	68.46	16.472		
8,500.00	7,850.00	7,786.30	7,712.66	38.03	44.00	86.40	750.82	-954.25	1,118.96	1,062.94	69.74	16.419		
8,600.00	7,850.00	7,786.30	7,712.66	39.84	45.00	86.50	761.06	-966.38	1,134.17	1,078.15	71.02	16.366		
8,700.00	7,850.00	7,786.30	7,712.66	41.74	46.00	86.60	771.30	-978.51	1,149.38	1,093.36	72.30	16.313		
8,800.00	7,850.00	7,786.30	7,712.66	43.72	47.00	86.70	781.54	-990.64	1,164.59	1,108.57	73.58	16.260		
8,900.00	7,850.00	7,786.30	7,712.66	45.78	48.00	86.80	791.78	-1,002.77	1,179.80	1,123.78	74.86	16.207		
9,000.00	7,850.00	7,786.30	7,712.66	47.90	49.00	86.90	802.02	-1,014.90	1,195.01	1,138.99	76.14	16.154		
9,100.00	7,850.00	7,786.30	7,712.66	50.08	50.00	87.00	812.26	-1,027.03	1,210.22	1,154.20	77.42	16.101		
9,200.00	7,850.00	7,786.30	7,712.66	52.30	51.00	87.10	822.50	-1,039.16	1,225.43	1,169.41	78.70	16.048		
9,300.00	7,850.00	7,786.30	7,712.66	54.57	52.00	87.20	832.74	-1,051.29	1,240.64	1,184.62	80.00	15.995		
9,400.00	7,850.00	7,786.30	7,712.66	56.87	53.00	87.30	842.98	-1,063.42	1,255.85	1,199.83	81.28	15.942		
9,500.00	7,850.00	7,786.30	7,712.66	59.21	54.00	87.40	853.22	-1,075.55	1,271.06	1,215.04	82.56	15.889		
9,600.00	7,850.00	7,786.30	7,712.66	61.58	55.00	87.50	863.46	-1,087.68	1,286.27	1,230.25	83.84	15.836		
9,700.00	7,850.00	7,786.30	7,712.66	63.97	56.00	87.60	873.70	-1,099.81	1,301.48	1,245.46	85.12	15.783		
9,800.00	7,850.00	7,786.30	7,712.66	66.38	57.00	87.70	883.94	-1,111.94	1,316.69	1,260.67	86.40	15.730		
9,900.00	7,850.00	7,786.30	7,712.66	68.82	58.00	87.80	894.18	-1,124.07	1,331.90	1,275.88	87.68	15.677		
10,000.00	7,850.00	7,786.30	7,712.66	71.27	59.00	87.90	904.42	-1,136.20	1,347.11	1,291.09	88.96	15.624		
10,100.00	7,850.00	7,786.30	7,712.66	73.75	60.00	88.00	914.66	-1,148.33	1,362.32	1,306.30	90.24	15.571		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 2-T4S-R65W - PROSPER FARMS 4-65 2-1-6 3AH - 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		
10,200.00	7,850.00	7,400.00	7,311.90	76.23	31.72	56.22	627.68	-785.43	2,323.35	2,258.06	65.28	35.588		
10,300.00	7,850.00	7,400.00	7,311.90	78.73	31.72	56.22	627.68	-785.43	2,414.64	2,349.31	65.33	36.962		
10,400.00	7,850.00	7,400.00	7,311.90	81.25	31.72	56.22	627.68	-785.43	2,506.59	2,441.23	65.36	38.349		
10,500.00	7,850.00	7,400.00	7,311.90	83.77	31.72	56.22	627.68	-785.43	2,599.14	2,533.75	65.39	39.746		
10,600.00	7,850.00	7,400.00	7,311.90	86.30	31.72	56.22	627.68	-785.43	2,692.22	2,626.80	65.42	41.152		
10,700.00	7,850.00	7,400.00	7,311.90	88.85	31.72	56.22	627.68	-785.43	2,785.79	2,720.34	65.44	42.567		
10,800.00	7,850.00	7,400.00	7,311.90	91.40	31.72	56.22	627.68	-785.43	2,879.78	2,814.32	65.47	43.990		
10,900.00	7,850.00	7,400.00	7,311.90	93.96	31.72	56.22	627.68	-785.43	2,974.17	2,908.68	65.48	45.418		
11,000.00	7,850.00	7,400.00	7,311.90	96.53	31.72	56.22	627.68	-785.43	3,068.91	3,003.41	65.50	46.852		
11,100.00	7,850.00	7,400.00	7,311.90	99.10	31.72	56.22	627.68	-785.43	3,163.98	3,098.46	65.52	48.291		
11,200.00	7,850.00	7,400.00	7,311.90	101.68	31.72	56.22	627.68	-785.43	3,259.34	3,193.80	65.53	49.734		
11,300.00	7,850.00	7,400.00	7,311.90	104.27	31.72	56.22	627.68	-785.43	3,354.97	3,289.42	65.55	51.181		
11,400.00	7,850.00	7,377.56	7,289.87	106.86	31.66	55.07	625.32	-789.02	3,450.35	3,384.95	65.40	52.754		
11,500.00	7,850.00	7,375.54	7,287.89	109.45	31.66	54.97	625.11	-789.30	3,546.36	3,480.96	65.41	54.219		
11,600.00	7,850.00	7,373.62	7,286.00	112.06	31.65	54.87	624.90	-789.56	3,642.59	3,577.17	65.41	55.685		
11,700.00	7,850.00	7,371.79	7,284.20	114.66	31.65	54.78	624.71	-789.81	3,739.00	3,673.58	65.42	57.153		
11,800.00	7,850.00	7,350.00	7,262.67	117.27	31.59	53.68	622.38	-792.24	3,835.98	3,770.70	65.29	58.755		
11,900.00	7,850.00	7,350.00	7,262.67	119.88	31.59	53.68	622.38	-792.24	3,932.68	3,867.36	65.31	60.214		
12,000.00	7,850.00	7,350.00	7,262.67	122.50	31.59	53.68	622.38	-792.24	4,029.53	3,964.19	65.33	61.675		
12,100.00	7,850.00	7,350.00	7,262.67	125.12	31.59	53.68	622.38	-792.24	4,126.53	4,061.18	65.36	63.137		
12,200.00	7,850.00	7,350.00	7,262.67	127.74	31.59	53.68	622.38	-792.24	4,223.68	4,158.29	65.38	64.599		
12,300.00	7,850.00	7,350.00	7,262.67	130.37	31.59	53.68	622.38	-792.24	4,320.95	4,255.54	65.41	66.061		
12,400.00	7,850.00	7,350.00	7,262.67	133.00	31.59	53.68	622.38	-792.24	4,418.35	4,352.91	65.43	67.524		
12,500.00	7,850.00	7,350.00	7,262.67	135.63	31.59	53.68	622.38	-792.24	4,515.86	4,450.40	65.46	68.986		
12,600.00	7,850.00	7,350.00	7,262.67	138.26	31.59	53.68	622.38	-792.24	4,613.47	4,547.99	65.49	70.448		
12,700.00	7,850.00	7,350.00	7,262.67	140.90	31.59	53.68	622.38	-792.24	4,711.19	4,645.67	65.52	71.910		
12,800.00	7,850.00	7,350.00	7,262.67	143.53	31.59	53.68	622.38	-792.24	4,809.00	4,743.46	65.54	73.370		
12,900.00	7,850.00	7,350.00	7,262.67	146.17	31.59	53.68	622.38	-792.24	4,906.90	4,841.32	65.57	74.830		
13,000.00	7,850.00	7,350.00	7,262.67	148.82	31.59	53.68	622.38	-792.24	5,004.88	4,939.28	65.60	76.289		
13,100.00	7,850.00	7,350.00	7,262.67	151.46	31.59	53.68	622.38	-792.24	5,102.94	5,037.30	65.64	77.747		
13,200.00	7,850.00	7,350.00	7,262.67	154.10	31.59	53.68	622.38	-792.24	5,201.07	5,135.41	65.67	79.204		
13,300.00	7,850.00	7,350.00	7,262.67	156.75	31.59	53.68	622.38	-792.24	5,299.28	5,233.58	65.70	80.659		
13,400.00	7,850.00	7,350.00	7,262.67	159.40	31.59	53.68	622.38	-792.24	5,397.55	5,331.81	65.73	82.112		
13,500.00	7,850.00	7,350.00	7,262.67	162.05	31.59	53.68	622.38	-792.24	5,495.88	5,430.11	65.77	83.564		
13,600.00	7,850.00	7,350.00	7,262.67	164.70	31.59	53.68	622.38	-792.24	5,594.27	5,528.46	65.80	85.014		
13,700.00	7,850.00	7,350.00	7,262.67	167.36	31.59	53.68	622.38	-792.24	5,692.72	5,626.88	65.84	86.463		
13,800.00	7,850.00	7,350.00	7,262.67	170.01	31.59	53.68	622.38	-792.24	5,791.22	5,725.34	65.88	87.909		
13,900.00	7,850.00	7,350.00	7,262.67	172.66	31.59	53.68	622.38	-792.24	5,889.77	5,823.85	65.92	89.353		
14,000.00	7,850.00	7,350.00	7,262.67	175.32	31.59	53.68	622.38	-792.24	5,988.37	5,922.41	65.95	90.795		
14,100.00	7,850.00	7,350.00	7,262.67	177.98	31.59	53.68	622.38	-792.24	6,087.01	6,021.02	65.99	92.235		
14,200.00	7,850.00	7,350.00	7,262.67	180.64	31.59	53.68	622.38	-792.24	6,185.70	6,119.66	66.04	93.673		
14,300.00	7,850.00	7,350.00	7,262.67	183.30	31.59	53.68	622.38	-792.24	6,284.43	6,218.35	66.08	95.108		
14,400.00	7,850.00	7,350.00	7,262.67	185.96	31.59	53.68	622.38	-792.24	6,383.20	6,317.08	66.12	96.541		
14,500.00	7,850.00	7,350.00	7,262.67	188.62	31.59	53.68	622.38	-792.24	6,482.00	6,415.84	66.16	97.971		
14,600.00	7,850.00	7,350.00	7,262.67	191.28	31.59	53.68	622.38	-792.24	6,580.85	6,514.64	66.21	99.399		
14,700.00	7,850.00	7,350.00	7,262.67	193.95	31.59	53.68	622.38	-792.24	6,679.72	6,613.47	66.25	100.824		
14,800.00	7,850.00	7,350.00	7,262.67	196.61	31.59	53.68	622.38	-792.24	6,778.63	6,712.34	66.30	102.247		
14,900.00	7,850.00	7,350.00	7,262.67	199.28	31.59	53.68	622.38	-792.24	6,877.58	6,811.23	66.34	103.666		
15,000.00	7,850.00	7,350.00	7,262.67	201.94	31.59	53.68	622.38	-792.24	6,976.55	6,910.16	66.39	105.083		
15,100.00	7,850.00	7,350.00	7,262.67	204.61	31.59	53.68	622.38	-792.24	7,075.55	7,009.11	66.44	106.497		
15,200.00	7,850.00	7,350.00	7,262.67	207.27	31.59	53.68	622.38	-792.24	7,174.58	7,108.09	66.49	107.908		
15,300.00	7,850.00	7,350.00	7,262.67	209.94	31.59	53.68	622.38	-792.24	7,273.63	7,207.10	66.54	109.316		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 2-T4S-R65W - PROSPER FARMS 4-65 2-1-6 3AH - 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		
15,400.00	7,850.00	7,350.00	7,262.67	212.61	31.59	53.68	622.38	-792.24	7,372.71	7,306.13	66.59	110.720		
15,500.00	7,850.00	7,350.00	7,262.67	215.28	31.59	53.68	622.38	-792.24	7,471.82	7,405.18	66.64	112.122		
15,600.00	7,850.00	7,350.00	7,262.67	217.95	31.59	53.68	622.38	-792.24	7,570.95	7,504.26	66.69	113.521		
15,700.00	7,850.00	7,350.00	7,262.67	220.62	31.59	53.68	622.38	-792.24	7,670.10	7,603.35	66.75	114.916		
15,800.00	7,850.00	7,350.00	7,262.67	223.29	31.59	53.68	622.38	-792.24	7,769.27	7,702.47	66.80	116.309		
15,900.00	7,850.00	7,350.00	7,262.67	225.96	31.59	53.68	622.38	-792.24	7,868.47	7,801.61	66.85	117.697		
16,000.00	7,850.00	7,350.00	7,262.67	228.64	31.59	53.68	622.38	-792.24	7,967.68	7,900.77	66.91	119.083		
16,100.00	7,850.00	7,350.00	7,262.67	231.31	31.59	53.68	622.38	-792.24	8,066.91	7,999.95	66.96	120.465		
16,200.00	7,850.00	7,350.00	7,262.67	233.98	31.59	53.68	622.38	-792.24	8,166.17	8,099.15	67.02	121.844		
16,300.00	7,850.00	7,350.00	7,262.67	236.65	31.59	53.68	622.38	-792.24	8,265.44	8,198.36	67.08	123.220		
16,400.00	7,850.00	7,350.00	7,262.67	239.33	31.59	53.68	622.38	-792.24	8,364.72	8,297.59	67.14	124.592		
16,500.00	7,850.00	7,350.00	7,262.67	242.00	31.59	53.68	622.38	-792.24	8,464.03	8,396.83	67.20	125.960		
16,600.00	7,850.00	7,350.00	7,262.67	244.68	31.59	53.68	622.38	-792.24	8,563.35	8,496.09	67.26	127.325		
16,700.00	7,850.00	7,350.00	7,262.67	247.35	31.59	53.68	622.38	-792.24	8,662.69	8,595.37	67.32	128.687		
16,800.00	7,850.00	7,350.00	7,262.67	250.03	31.59	53.68	622.38	-792.24	8,762.04	8,694.66	67.38	130.044		
16,900.00	7,850.00	7,350.00	7,262.67	252.70	31.59	53.68	622.38	-792.24	8,861.40	8,793.96	67.44	131.399		
17,000.00	7,850.00	7,350.00	7,262.67	255.38	31.59	53.68	622.38	-792.24	8,960.78	8,893.28	67.50	132.749		
17,100.00	7,850.00	7,350.00	7,262.67	258.06	31.59	53.68	622.38	-792.24	9,060.18	8,992.61	67.56	134.096		
17,200.00	7,850.00	7,350.00	7,262.67	260.73	31.59	53.68	622.38	-792.24	9,159.58	9,091.96	67.63	135.439		
17,300.00	7,850.00	7,350.00	7,262.67	263.41	31.59	53.68	622.38	-792.24	9,259.00	9,191.31	67.69	136.779		
17,400.00	7,850.00	7,350.00	7,262.67	266.09	31.59	53.68	622.38	-792.24	9,358.44	9,290.68	67.76	138.115		
17,500.00	7,850.00	7,350.00	7,262.67	268.77	31.59	53.68	622.38	-792.24	9,457.88	9,390.06	67.82	139.446		
17,600.00	7,850.00	7,350.00	7,262.67	271.45	31.59	53.68	622.38	-792.24	9,557.34	9,489.44	67.89	140.775		
17,700.00	7,850.00	7,350.00	7,262.67	274.12	31.59	53.68	622.38	-792.24	9,656.80	9,588.84	67.96	142.099		
17,800.00	7,850.00	7,350.00	7,262.67	276.80	31.59	53.68	622.38	-792.24	9,756.28	9,688.25	68.03	143.419		
17,900.00	7,850.00	7,350.00	7,262.67	279.48	31.59	53.68	622.38	-792.24	9,855.77	9,787.67	68.09	144.736		
18,000.00	7,850.00	7,350.00	7,262.67	282.16	31.59	53.68	622.38	-792.24	9,955.27	9,887.10	68.16	146.049		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 2-T4S-R65W - PROSPER FARMS 4-65 2-1-6 3BH - 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	0.50	-0.50	0.00	0.00	-179.87	-120.20	-0.28	120.20					
100.00	100.00	100.50	99.50	0.13	0.14	-179.87	-120.20	-0.28	120.20	119.93	0.27	444.140		
200.00	199.98	200.52	199.48	0.49	0.49	-62.95	-120.20	-0.28	119.40	118.42	0.98	121.747		
300.00	299.87	300.63	299.37	0.85	0.85	-64.98	-120.20	-0.28	117.37	115.67	1.70	69.103		
400.00	399.75	400.75	399.25	1.21	1.21	-67.19	-120.20	-0.28	115.38	112.95	2.42	47.667		
500.00	499.63	500.87	499.13	1.58	1.57	-69.47	-120.20	-0.28	113.56	110.41	3.14	36.109		
600.00	599.51	599.01	599.01	1.94	1.92	-71.82	-120.20	-0.28	111.93	108.06	3.86	28.970		
700.00	699.39	700.40	700.38	2.31	2.28	-73.44	-119.85	-2.00	109.81	105.22	4.59	23.932		
800.00	799.27	801.82	801.65	2.68	2.64	-73.36	-118.77	-7.24	106.37	101.06	5.31	20.028		
900.00	899.15	903.01	902.45	3.05	3.00	-71.40	-116.96	-15.96	101.62	95.58	6.04	16.824		
1,000.00	999.03	1,003.28	1,002.00	3.42	3.38	-67.48	-114.54	-27.69	96.04	89.26	6.78	14.170		
1,100.00	1,098.91	1,102.85	1,100.79	3.79	3.76	-62.81	-112.02	-39.85	90.84	83.32	7.52	12.076		
1,200.00	1,198.78	1,202.43	1,199.59	4.16	4.15	-57.62	-109.50	-52.01	86.32	78.05	8.27	10.437		
1,300.00	1,298.66	1,302.00	1,298.38	4.52	4.54	-51.90	-106.99	-64.17	82.59	73.57	9.02	9.155		
1,400.00	1,398.54	1,401.57	1,397.18	4.89	4.94	-45.72	-104.47	-76.34	79.76	69.99	9.77	8.165		
1,500.00	1,498.42	1,501.15	1,495.97	5.26	5.34	-39.17	-101.96	-88.50	77.92	67.41	10.51	7.415		
1,600.00	1,598.30	1,600.72	1,594.77	5.63	5.74	-32.40	-99.44	-100.66	77.15	65.91	11.24	6.864		
1,620.06	1,618.34	1,620.70	1,614.59	5.71	5.82	-31.03	-98.94	-103.10	77.13	65.74	11.38	6.775 CC		
1,700.00	1,698.18	1,700.29	1,693.57	6.00	6.14	-25.59	-96.93	-112.82	77.48	65.52	11.96	6.478 ES		
1,800.00	1,798.06	1,800.13	1,792.36	6.37	6.55	-18.92	-94.41	-124.98	78.89	66.22	12.67	6.225		
1,900.00	1,897.94	1,900.56	1,891.16	6.74	6.95	-12.58	-91.89	-137.15	81.34	67.96	13.38	6.079		
2,000.00	1,997.82	2,000.99	1,989.95	7.11	7.36	-6.67	-89.38	-149.31	84.72	70.64	14.08	6.015		
2,100.00	2,097.70	2,101.41	2,088.75	7.48	7.78	-1.26	-86.86	-161.47	88.94	74.15	14.79	6.014		
2,200.00	2,197.58	2,201.84	2,187.54	7.84	8.19	3.62	-84.35	-173.63	93.88	78.39	15.49	6.060		
2,300.00	2,297.46	2,302.27	2,286.34	8.21	8.60	7.99	-81.83	-185.79	99.43	83.23	16.20	6.138		
2,400.00	2,397.33	2,397.31	2,385.14	8.58	8.99	11.88	-79.32	-197.96	105.50	88.61	16.89	6.246		
2,500.00	2,497.21	2,503.12	2,483.93	8.95	9.42	15.33	-76.80	-210.12	112.00	94.37	17.62	6.355		
2,600.00	2,597.09	2,603.55	2,582.73	9.32	9.84	18.40	-74.28	-222.28	118.86	100.52	18.34	6.480		
2,700.00	2,696.97	2,696.03	2,681.52	9.69	10.22	21.12	-71.77	-234.44	126.03	106.99	19.03	6.621		
2,800.00	2,796.85	2,804.40	2,780.32	10.06	10.67	23.55	-69.25	-246.60	133.45	113.66	19.79	6.744		
2,900.00	2,896.73	2,904.83	2,879.11	10.43	11.08	25.72	-66.74	-258.77	141.08	120.56	20.52	6.877		
3,000.00	2,996.61	3,005.25	2,977.91	10.80	11.49	27.67	-64.22	-270.93	148.89	127.65	21.24	7.009		
3,100.00	3,096.49	3,094.32	3,076.71	11.17	11.86	29.42	-61.71	-283.09	156.86	134.93	21.93	7.152		
3,200.00	3,196.37	3,206.11	3,175.50	11.53	12.32	31.00	-59.19	-295.25	164.96	142.25	22.71	7.264		
3,300.00	3,296.25	3,293.46	3,274.30	11.90	12.68	32.43	-56.68	-307.41	173.17	149.78	23.39	7.402		
3,400.00	3,396.13	3,406.96	3,373.09	12.27	13.15	33.73	-54.16	-319.58	181.48	157.30	24.18	7.506		
3,500.00	3,496.01	3,507.39	3,471.89	12.64	13.57	34.92	-51.64	-331.74	189.87	164.96	24.91	7.621		
3,600.00	3,595.88	3,592.18	3,570.68	13.01	13.92	36.00	-49.13	-343.90	198.34	172.75	25.59	7.750		
3,700.00	3,695.76	3,708.24	3,669.48	13.38	14.40	37.00	-46.61	-356.06	206.88	180.49	26.39	7.840		
3,800.00	3,795.64	3,808.67	3,768.27	13.75	14.82	37.92	-44.10	-368.22	215.47	188.34	27.13	7.943		
3,900.00	3,895.52	3,909.10	3,867.07	14.12	15.23	38.77	-41.58	-380.39	224.11	196.25	27.87	8.043		
4,000.00	3,995.40	4,009.52	3,965.87	14.49	15.65	39.55	-39.07	-392.55	232.80	204.19	28.60	8.138		
4,100.00	4,095.28	4,109.95	4,064.66	14.86	16.06	40.28	-36.55	-404.71	241.53	212.18	29.34	8.231		
4,200.00	4,195.16	4,189.62	4,163.46	15.22	16.39	40.95	-34.03	-416.87	250.29	220.28	30.01	8.341		
4,300.00	4,295.04	4,289.20	4,262.25	15.59	16.81	41.59	-31.52	-429.03	259.09	228.34	30.75	8.427		
4,400.00	4,394.92	4,388.77	4,361.05	15.96	17.22	42.18	-29.00	-441.20	267.91	236.43	31.48	8.509		
4,500.00	4,494.80	4,488.34	4,459.84	16.33	17.63	42.73	-26.49	-453.36	276.76	244.54	32.22	8.589		
4,600.00	4,594.68	4,587.92	4,558.64	16.70	18.05	43.24	-23.97	-465.52	285.64	252.68	32.96	8.666		
4,700.00	4,694.56	4,687.49	4,657.44	17.07	18.46	43.73	-21.46	-477.68	294.53	260.84	33.70	8.740		
4,800.00	4,794.43	4,787.06	4,756.23	17.44	18.87	44.19	-18.94	-489.84	303.45	269.01	34.44	8.812		
4,900.00	4,894.31	4,886.64	4,855.03	17.81	19.28	44.62	-16.42	-502.01	312.39	277.21	35.18	8.881		
5,000.00	4,994.19	4,986.21	4,953.82	18.18	19.70	45.03	-13.91	-514.17	321.34	285.42	35.92	8.947		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 2-T4S-R65W - PROSPER FARMS 4-65 2-1-6 3BH - 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	5,094.07	5,085.78	5,052.62	18.55	20.11	45.41	-11.39	-526.33	330.30	293.65	36.65	9.011		
5,200.00	5,193.95	5,185.36	5,151.41	18.91	20.52	45.78	-8.88	-538.49	339.29	301.89	37.39	9.073		
5,300.00	5,293.83	5,284.93	5,250.21	19.28	20.94	46.13	-6.36	-550.65	348.28	310.15	38.13	9.133		
5,400.00	5,393.71	5,384.50	5,349.00	19.65	21.35	46.46	-3.85	-562.82	357.29	318.41	38.87	9.191		
5,500.00	5,493.59	5,484.08	5,447.80	20.02	21.76	46.77	-1.33	-574.98	366.30	326.69	39.61	9.247		
5,600.00	5,593.47	5,583.65	5,546.60	20.39	22.18	47.07	1.18	-587.14	375.33	334.98	40.35	9.301		
5,700.00	5,693.35	5,683.22	5,645.39	20.76	22.59	47.35	3.70	-599.30	384.37	343.28	41.09	9.354		
5,800.00	5,793.23	5,782.79	5,744.19	21.13	23.00	47.62	6.22	-611.46	393.41	351.58	41.83	9.405		
5,900.00	5,893.11	5,882.37	5,842.98	21.50	23.42	47.88	8.73	-623.63	402.47	359.90	42.57	9.454		
6,000.00	5,992.99	5,981.94	5,941.78	21.87	23.83	48.13	11.25	-635.79	411.53	368.22	43.31	9.502		
6,100.00	6,092.86	6,081.51	6,040.57	22.24	24.24	48.36	13.76	-647.95	420.60	376.55	44.05	9.548		
6,200.00	6,192.74	6,181.09	6,139.37	22.60	24.66	48.59	16.28	-660.11	429.68	384.88	44.79	9.593		
6,300.00	6,292.62	6,280.66	6,238.17	22.97	25.07	48.81	18.79	-672.27	438.76	393.23	45.53	9.636		
6,400.00	6,392.50	6,380.23	6,336.96	23.34	25.48	49.02	21.31	-684.44	447.85	401.57	46.27	9.678		
6,500.00	6,492.38	6,479.81	6,435.76	23.71	25.90	49.22	23.83	-696.60	456.94	409.93	47.01	9.720		
6,600.00	6,592.26	6,579.38	6,534.55	24.08	26.31	49.41	26.34	-708.76	466.04	418.29	47.75	9.759		
6,700.00	6,692.14	6,678.95	6,633.35	24.45	26.72	49.59	28.86	-720.92	475.14	426.65	48.49	9.798		
6,800.00	6,792.02	6,778.53	6,732.14	24.82	27.14	49.77	31.37	-733.08	484.25	435.02	49.23	9.836		
6,900.00	6,891.90	6,878.10	6,830.94	25.19	27.55	49.94	33.89	-745.25	493.37	443.39	49.97	9.872		
7,000.00	6,991.78	6,977.67	6,929.73	25.56	27.97	50.11	36.40	-757.41	502.49	451.77	50.71	9.908		
7,100.00	7,091.66	7,077.25	7,028.53	25.93	28.38	50.27	38.92	-769.57	511.61	460.15	51.46	9.943		
7,200.00	7,191.54	7,176.82	7,127.33	26.29	28.79	50.42	41.44	-781.73	520.73	468.54	52.20	9.976		
7,300.00	7,291.41	7,387.02	7,336.58	26.66	29.54	51.34	46.59	-792.74	527.84	475.00	52.85	9.988		
7,400.00	7,390.63	7,400.00	7,686.42	27.05	29.69	49.99	52.95	-623.01	475.54	431.91	43.62	10.901		
7,500.00	7,486.41	7,500.00	7,753.72	27.49	29.56	73.92	53.58	-540.12	395.82	352.97	42.84	9.239		
7,600.00	7,575.82	7,928.01	7,773.50	27.98	30.24	93.27	53.68	-508.82	319.53	272.71	46.81	6.826		
7,700.00	7,656.17	7,913.23	7,765.96	28.54	30.21	96.68	53.65	-521.53	259.45	205.99	53.46	4.853		
7,800.00	7,724.99	7,885.49	7,750.93	29.19	30.15	92.92	53.57	-544.85	228.65	169.88	58.77	3.890		
7,831.08	7,743.70	7,875.31	7,745.14	29.44	30.14	90.60	53.53	-553.21	226.76	167.39	59.37	3.820 SF		
7,900.00	7,780.22	7,850.98	7,730.69	29.99	30.10	83.90	53.42	-572.79	235.55	177.00	58.55	4.023		
8,000.00	7,820.15	7,812.52	7,706.20	30.95	30.05	71.60	53.18	-602.43	273.17	218.27	54.90	4.976		
8,100.00	7,843.59	7,771.57	7,678.00	32.08	30.01	58.72	52.86	-632.11	326.99	275.08	51.91	6.299		
8,200.00	7,850.00	7,729.04	7,646.55	33.35	29.98	48.35	52.45	-660.72	386.48	335.91	50.56	7.644		
8,300.00	7,850.00	7,690.42	7,616.22	34.77	29.95	44.31	52.01	-684.62	451.94	401.77	50.17	9.008		
8,400.00	7,850.00	7,650.00	7,582.84	36.34	29.92	40.44	51.48	-707.38	524.42	474.54	49.88	10.514		
8,500.00	7,850.00	7,630.00	7,565.74	38.03	29.90	38.66	51.19	-717.76	601.89	551.43	50.47	11.926		
8,600.00	7,850.00	7,600.00	7,539.45	39.84	29.88	36.15	50.73	-732.19	683.47	632.85	50.62	13.502		
8,700.00	7,850.00	7,585.59	7,526.56	41.74	29.86	35.02	50.50	-738.63	767.94	716.76	51.19	15.003		
8,800.00	7,850.00	7,567.66	7,510.31	43.72	29.84	33.68	50.20	-746.19	854.84	803.29	51.54	16.585		
8,900.00	7,850.00	7,550.00	7,494.07	45.78	29.82	32.42	49.89	-753.13	943.61	891.77	51.83	18.204		
9,000.00	7,850.00	7,550.00	7,494.07	47.90	29.82	32.42	49.89	-753.13	1,034.07	981.66	52.41	19.732		
9,100.00	7,850.00	7,525.73	7,471.43	50.08	29.79	30.79	49.45	-761.84	1,125.37	1,072.93	52.45	21.457		
9,200.00	7,850.00	7,500.00	7,447.04	52.30	29.76	29.19	48.97	-770.03	1,218.16	1,165.70	52.46	23.222		
9,300.00	7,850.00	7,500.00	7,447.04	54.57	29.76	29.19	48.97	-770.03	1,311.27	1,258.42	52.84	24.814		
9,400.00	7,850.00	7,500.00	7,447.04	56.87	29.76	29.19	48.97	-770.03	1,405.32	1,352.16	53.17	26.433		
9,500.00	7,850.00	7,500.00	7,447.04	59.21	29.76	29.19	48.97	-770.03	1,500.15	1,446.71	53.44	28.073		
9,600.00	7,850.00	7,480.42	7,428.25	61.58	29.73	28.05	48.58	-775.52	1,595.16	1,541.71	53.45	29.844		
9,700.00	7,850.00	7,473.68	7,421.74	63.97	29.71	27.67	48.45	-777.26	1,690.79	1,637.19	53.60	31.545		
9,800.00	7,850.00	7,450.00	7,398.72	66.38	29.68	26.40	47.96	-782.77	1,787.16	1,733.60	53.56	33.368		
9,900.00	7,850.00	7,450.00	7,398.72	68.82	29.68	26.40	47.96	-782.77	1,883.32	1,829.57	53.75	35.039		
10,000.00	7,850.00	7,450.00	7,398.72	71.27	29.68	26.40	47.96	-782.77	1,979.86	1,925.94	53.92	36.719		
10,100.00	7,850.00	7,450.00	7,398.72	73.75	29.68	26.40	47.96	-782.77	2,076.73	2,022.66	54.07	38.407		

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 PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 2-T4S-R65W - PROSPER FARMS 4-65 2-1-6 3BH - 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		
10,200.00	7,850.00	7,450.00	7,398.72	76.23	29.68	26.40	47.96	-782.77	2,173.89	2,119.68	54.21	40.101		
10,300.00	7,850.00	7,450.00	7,398.72	78.73	29.68	26.40	47.96	-782.77	2,271.29	2,216.95	54.34	41.799		
10,400.00	7,850.00	7,450.00	7,398.72	81.25	29.68	26.40	47.96	-782.77	2,368.91	2,314.45	54.46	43.502		
10,500.00	7,850.00	7,450.00	7,398.72	83.77	29.68	26.40	47.96	-782.77	2,466.72	2,412.15	54.56	45.208		
10,600.00	7,850.00	7,450.00	7,398.72	86.30	29.68	26.40	47.96	-782.77	2,564.69	2,510.03	54.67	46.916		
10,700.00	7,850.00	7,428.71	7,377.84	88.85	29.63	25.34	47.51	-786.90	2,662.34	2,607.72	54.62	48.741		
10,800.00	7,850.00	7,425.68	7,374.85	91.40	29.63	25.19	47.44	-787.43	2,760.46	2,705.76	54.70	50.467		
10,900.00	7,850.00	7,422.81	7,372.03	93.96	29.62	25.06	47.38	-787.91	2,858.70	2,803.92	54.77	52.192		
11,000.00	7,850.00	7,400.00	7,349.47	96.53	29.57	24.01	46.88	-791.24	2,957.45	2,902.73	54.72	54.042		
11,100.00	7,850.00	7,400.00	7,349.47	99.10	29.57	24.01	46.88	-791.24	3,055.78	3,000.97	54.81	55.749		
11,200.00	7,850.00	7,400.00	7,349.47	101.68	29.57	24.01	46.88	-791.24	3,154.21	3,099.31	54.90	57.455		
11,300.00	7,850.00	7,400.00	7,349.47	104.27	29.57	24.01	46.88	-791.24	3,252.74	3,197.76	54.98	59.161		
11,400.00	7,850.00	7,400.00	7,349.47	106.86	29.57	24.01	46.88	-791.24	3,351.36	3,296.30	55.06	60.867		
11,500.00	7,850.00	7,400.00	7,349.47	109.45	29.57	24.01	46.88	-791.24	3,450.05	3,394.92	55.14	62.571		
11,600.00	7,850.00	7,400.00	7,349.47	112.06	29.57	24.01	46.88	-791.24	3,548.82	3,493.61	55.21	64.275		
11,700.00	7,850.00	7,400.00	7,349.47	114.66	29.57	24.01	46.88	-791.24	3,647.66	3,592.37	55.29	65.976		
11,800.00	7,850.00	7,400.00	7,349.47	117.27	29.57	24.01	46.88	-791.24	3,746.56	3,691.20	55.36	67.676		
11,900.00	7,850.00	7,400.00	7,349.47	119.88	29.57	24.01	46.88	-791.24	3,845.51	3,790.08	55.43	69.375		
12,000.00	7,850.00	7,400.00	7,349.47	122.50	29.57	24.01	46.88	-791.24	3,944.52	3,889.02	55.50	71.071		
12,100.00	7,850.00	7,400.00	7,349.47	125.12	29.57	24.01	46.88	-791.24	4,043.57	3,988.00	55.57	72.764		
12,200.00	7,850.00	7,400.00	7,349.47	127.74	29.57	24.01	46.88	-791.24	4,142.68	4,087.04	55.64	74.456		
12,300.00	7,850.00	7,400.00	7,349.47	130.37	29.57	24.01	46.88	-791.24	4,241.82	4,186.11	55.71	76.144		
12,400.00	7,850.00	7,400.00	7,349.47	133.00	29.57	24.01	46.88	-791.24	4,341.00	4,285.23	55.78	77.830		
12,500.00	7,850.00	7,400.00	7,349.47	135.63	29.57	24.01	46.88	-791.24	4,440.22	4,384.38	55.84	79.513		
12,600.00	7,850.00	7,400.00	7,349.47	138.26	29.57	24.01	46.88	-791.24	4,539.48	4,483.57	55.91	81.193		
12,700.00	7,850.00	7,400.00	7,349.47	140.90	29.57	24.01	46.88	-791.24	4,638.76	4,582.79	55.98	82.870		
12,800.00	7,850.00	7,400.00	7,349.47	143.53	29.57	24.01	46.88	-791.24	4,738.08	4,682.04	56.04	84.543		
12,900.00	7,850.00	7,400.00	7,349.47	146.17	29.57	24.01	46.88	-791.24	4,837.42	4,781.31	56.11	86.214		
13,000.00	7,850.00	7,400.00	7,349.47	148.82	29.57	24.01	46.88	-791.24	4,936.79	4,880.62	56.18	87.880		
13,100.00	7,850.00	7,400.00	7,349.47	151.46	29.57	24.01	46.88	-791.24	5,036.19	4,979.95	56.24	89.543		
13,200.00	7,850.00	7,400.00	7,349.47	154.10	29.57	24.01	46.88	-791.24	5,135.61	5,079.30	56.31	91.202		
13,300.00	7,850.00	7,400.00	7,349.47	156.75	29.57	24.01	46.88	-791.24	5,235.05	5,178.67	56.38	92.858		
13,400.00	7,850.00	7,400.00	7,349.47	159.40	29.57	24.01	46.88	-791.24	5,334.51	5,278.07	56.44	94.509		
13,500.00	7,850.00	7,400.00	7,349.47	162.05	29.57	24.01	46.88	-791.24	5,433.99	5,377.48	56.51	96.157		
13,600.00	7,850.00	7,400.00	7,349.47	164.70	29.57	24.01	46.88	-791.24	5,533.49	5,476.91	56.58	97.801		
13,700.00	7,850.00	7,400.00	7,349.47	167.36	29.57	24.01	46.88	-791.24	5,633.01	5,576.36	56.65	99.440		
13,800.00	7,850.00	7,400.00	7,349.47	170.01	29.57	24.01	46.88	-791.24	5,732.55	5,675.83	56.72	101.075		
13,900.00	7,850.00	7,400.00	7,349.47	172.66	29.57	24.01	46.88	-791.24	5,832.10	5,775.31	56.78	102.706		
14,000.00	7,850.00	7,377.42	7,327.03	175.32	29.52	23.04	46.37	-793.65	5,931.18	5,874.41	56.77	104.483		
14,100.00	7,850.00	7,376.67	7,326.27	177.98	29.51	23.01	46.35	-793.72	6,030.72	5,973.89	56.83	106.111		
14,200.00	7,850.00	7,375.93	7,325.54	180.64	29.51	22.98	46.33	-793.78	6,130.29	6,073.38	56.90	107.735		
14,300.00	7,850.00	7,375.22	7,324.83	183.30	29.51	22.95	46.32	-793.84	6,229.86	6,172.89	56.97	109.354		
14,400.00	7,850.00	7,374.52	7,324.14	185.96	29.51	22.92	46.30	-793.90	6,329.45	6,272.41	57.04	110.968		
14,500.00	7,850.00	7,373.85	7,323.47	188.62	29.51	22.89	46.29	-793.96	6,429.05	6,371.94	57.11	112.578		
14,600.00	7,850.00	7,373.19	7,322.82	191.28	29.51	22.87	46.27	-794.01	6,528.66	6,471.48	57.18	114.183		
14,700.00	7,850.00	7,350.00	7,299.67	193.95	29.45	21.95	45.73	-795.39	6,628.76	6,571.59	57.17	115.957		
14,800.00	7,850.00	7,350.00	7,299.67	196.61	29.45	21.95	45.73	-795.39	6,728.37	6,671.13	57.24	117.548		
14,900.00	7,850.00	7,350.00	7,299.67	199.28	29.45	21.95	45.73	-795.39	6,827.98	6,770.67	57.31	119.134		
15,000.00	7,850.00	7,350.00	7,299.67	201.94	29.45	21.95	45.73	-795.39	6,927.61	6,870.22	57.39	120.716		
15,100.00	7,850.00	7,350.00	7,299.67	204.61	29.45	21.95	45.73	-795.39	7,027.25	6,969.79	57.46	122.293		
15,200.00	7,850.00	7,350.00	7,299.67	207.27	29.45	21.95	45.73	-795.39	7,126.90	7,069.36	57.54	123.864		
15,300.00	7,850.00	7,350.00	7,299.67	209.94	29.45	21.95	45.73	-795.39	7,226.56	7,168.94	57.61	125.431		

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 PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<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 2-T4S-R65W - PROSPER FARMS 4-65 2-1-6 3BH - OWB - PROPOSAL 1												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 0-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	
15,400.00	7,850.00	7,350.00	7,299.67	212.61	29.45	21.95	45.73	-795.39	7,326.22	7,268.53	57.69	126.993	
15,500.00	7,850.00	7,350.00	7,299.67	215.28	29.45	21.95	45.73	-795.39	7,425.90	7,368.13	57.77	128.550	
15,600.00	7,850.00	7,350.00	7,299.67	217.95	29.45	21.95	45.73	-795.39	7,525.58	7,467.74	57.84	130.102	
15,700.00	7,850.00	7,350.00	7,299.67	220.62	29.45	21.95	45.73	-795.39	7,625.28	7,567.36	57.92	131.648	
15,800.00	7,850.00	7,350.00	7,299.67	223.29	29.45	21.95	45.73	-795.39	7,724.98	7,666.98	58.00	133.189	
15,900.00	7,850.00	7,350.00	7,299.67	225.96	29.45	21.95	45.73	-795.39	7,824.69	7,766.61	58.08	134.726	
16,000.00	7,850.00	7,350.00	7,299.67	228.64	29.45	21.95	45.73	-795.39	7,924.40	7,866.25	58.16	136.257	
16,100.00	7,850.00	7,350.00	7,299.67	231.31	29.45	21.95	45.73	-795.39	8,024.13	7,965.89	58.24	137.782	
16,200.00	7,850.00	7,350.00	7,299.67	233.98	29.45	21.95	45.73	-795.39	8,123.86	8,065.54	58.32	139.303	
16,300.00	7,850.00	7,350.00	7,299.67	236.65	29.45	21.95	45.73	-795.39	8,223.59	8,165.20	58.40	140.818	
16,400.00	7,850.00	7,350.00	7,299.67	239.33	29.45	21.95	45.73	-795.39	8,323.34	8,264.86	58.48	142.328	
16,500.00	7,850.00	7,350.00	7,299.67	242.00	29.45	21.95	45.73	-795.39	8,423.09	8,364.52	58.56	143.832	
16,600.00	7,850.00	7,350.00	7,299.67	244.68	29.45	21.95	45.73	-795.39	8,522.84	8,464.20	58.64	145.331	
16,700.00	7,850.00	7,350.00	7,299.67	247.35	29.45	21.95	45.73	-795.39	8,622.60	8,563.87	58.73	146.825	
16,800.00	7,850.00	7,350.00	7,299.67	250.03	29.45	21.95	45.73	-795.39	8,722.37	8,663.56	58.81	148.313	
16,900.00	7,850.00	7,350.00	7,299.67	252.70	29.45	21.95	45.73	-795.39	8,822.14	8,763.24	58.89	149.796	
17,000.00	7,850.00	7,350.00	7,299.67	255.38	29.45	21.95	45.73	-795.39	8,921.92	8,862.94	58.98	151.273	
17,100.00	7,850.00	7,350.00	7,299.67	258.06	29.45	21.95	45.73	-795.39	9,021.70	8,962.63	59.06	152.745	
17,200.00	7,850.00	7,350.00	7,299.67	260.73	29.45	21.95	45.73	-795.39	9,121.48	9,062.33	59.15	154.212	
17,300.00	7,850.00	7,350.00	7,299.67	263.41	29.45	21.95	45.73	-795.39	9,221.27	9,162.04	59.24	155.672	
17,400.00	7,850.00	7,350.00	7,299.67	266.09	29.45	21.95	45.73	-795.39	9,321.07	9,261.75	59.32	157.128	
17,500.00	7,850.00	7,350.00	7,299.67	268.77	29.45	21.95	45.73	-795.39	9,420.87	9,361.46	59.41	158.578	
17,600.00	7,850.00	7,350.00	7,299.67	271.45	29.45	21.95	45.73	-795.39	9,520.67	9,461.18	59.50	160.022	
17,700.00	7,850.00	7,350.00	7,299.67	274.12	29.45	21.95	45.73	-795.39	9,620.48	9,560.90	59.58	161.460	
17,800.00	7,850.00	7,350.00	7,299.67	276.80	29.45	21.95	45.73	-795.39	9,720.29	9,660.62	59.67	162.894	
17,900.00	7,850.00	7,350.00	7,299.67	279.48	29.45	21.95	45.73	-795.39	9,820.11	9,760.35	59.76	164.321	
18,000.00	7,850.00	7,350.00	7,299.67	282.16	29.45	21.95	45.73	-795.39	9,919.93	9,860.08	59.85	165.743	

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 2-T4S-R65W - PROSPER FARMS 4-65 2-1-6 3CH - 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	0.40	-0.40	0.00	0.00	-179.77	-140.24	-0.56	140.24					
100.00	100.00	100.40	99.60	0.13	0.14	-179.77	-140.24	-0.56	140.24	139.97	0.27	518.872		
200.00	199.98	200.42	199.58	0.49	0.49	-62.75	-140.24	-0.56	139.44	138.46	0.98	142.227		
300.00	299.87	300.53	299.47	0.85	0.85	-64.48	-140.24	-0.56	137.38	135.68	1.70	80.901		
400.00	399.75	400.65	399.35	1.21	1.21	-66.35	-140.24	-0.56	135.33	132.91	2.42	55.924		
500.00	499.63	500.77	499.23	1.58	1.57	-68.29	-140.24	-0.56	133.44	130.29	3.14	42.439		
600.00	599.51	600.89	599.11	1.94	1.93	-70.27	-140.24	-0.56	131.70	127.83	3.87	34.032		
700.00	699.39	698.99	698.99	2.31	2.28	-72.31	-140.24	-0.56	130.12	125.53	4.59	28.355		
800.00	799.27	797.60	797.59	2.68	2.62	-73.65	-141.03	-2.03	129.19	123.89	5.30	24.383		
838.87	838.10	835.98	835.92	2.82	2.75	-73.79	-141.77	-3.40	129.11	123.54	5.57	23.173 CC		
900.00	899.15	896.31	896.15	3.05	2.96	-73.57	-143.43	-6.48	129.30	123.30	6.00	21.545 ES		
1,000.00	999.03	994.88	994.36	3.42	3.31	-72.06	-147.42	-13.92	130.47	123.75	6.71	19.439		
1,100.00	1,098.91	1,093.09	1,091.86	3.79	3.66	-69.22	-152.99	-24.28	132.94	125.51	7.43	17.893		
1,200.00	1,198.78	1,207.65	1,190.11	4.16	4.10	-65.60	-159.68	-36.72	136.68	128.46	8.22	16.629		
1,300.00	1,298.66	1,308.09	1,288.64	4.52	4.49	-62.16	-166.42	-49.24	140.97	132.01	8.96	15.731		
1,400.00	1,398.54	1,391.46	1,387.18	4.89	4.83	-58.93	-173.15	-61.77	145.74	136.10	9.64	15.123		
1,500.00	1,498.42	1,508.98	1,485.72	5.26	5.30	-55.91	-179.88	-74.29	150.95	140.50	10.45	14.451		
1,600.00	1,598.30	1,609.42	1,584.25	5.63	5.71	-53.09	-186.62	-86.82	156.54	145.36	11.19	13.994		
1,700.00	1,698.18	1,709.87	1,682.79	6.00	6.13	-50.48	-193.35	-99.34	162.49	150.57	11.93	13.626		
1,800.00	1,798.06	1,789.69	1,781.32	6.37	6.46	-48.06	-200.08	-111.87	168.76	156.18	12.58	13.414		
1,900.00	1,897.94	1,889.25	1,879.86	6.74	6.88	-45.81	-206.82	-124.39	175.30	161.99	13.31	13.168		
2,000.00	1,997.82	1,988.80	1,978.40	7.11	7.29	-43.72	-213.55	-136.92	182.10	168.06	14.04	12.968		
2,100.00	2,097.70	2,088.36	2,076.93	7.48	7.71	-41.79	-220.28	-149.44	189.12	174.35	14.77	12.804		
2,200.00	2,197.58	2,187.92	2,175.47	7.84	8.14	-40.00	-227.02	-161.97	196.34	180.84	15.50	12.669		
2,300.00	2,297.46	2,287.48	2,274.00	8.21	8.56	-38.33	-233.75	-174.49	203.73	187.51	16.22	12.558		
2,400.00	2,397.33	2,387.03	2,372.54	8.58	8.98	-36.78	-240.48	-187.02	211.29	194.34	16.95	12.467		
2,500.00	2,497.21	2,486.59	2,471.08	8.95	9.41	-35.34	-247.22	-199.54	218.99	201.32	17.67	12.391		
2,600.00	2,597.09	2,586.15	2,569.61	9.32	9.83	-34.00	-253.95	-212.07	226.82	208.42	18.40	12.329		
2,700.00	2,696.97	2,685.70	2,668.15	9.69	10.26	-32.75	-260.68	-224.59	234.76	215.64	19.12	12.279		
2,800.00	2,796.85	2,785.26	2,766.69	10.06	10.68	-31.58	-267.42	-237.12	242.81	222.96	19.84	12.237		
2,900.00	2,896.73	2,884.82	2,865.22	10.43	11.11	-30.49	-274.15	-249.64	250.95	230.38	20.56	12.203		
3,000.00	2,996.61	2,984.37	2,963.76	10.80	11.54	-29.46	-280.89	-262.17	259.18	237.89	21.29	12.175		
3,100.00	3,096.49	3,083.93	3,062.29	11.17	11.97	-28.50	-287.62	-274.69	267.48	245.47	22.01	12.153		
3,200.00	3,196.37	3,183.49	3,160.83	11.53	12.39	-27.60	-294.35	-287.22	275.86	253.12	22.73	12.135		
3,300.00	3,296.25	3,283.05	3,259.37	11.90	12.82	-26.75	-301.09	-299.74	284.29	260.84	23.45	12.121		
3,400.00	3,396.13	3,382.60	3,357.90	12.27	13.25	-25.95	-307.82	-312.26	292.79	268.62	24.18	12.110		
3,500.00	3,496.01	3,482.16	3,456.44	12.64	13.68	-25.19	-314.55	-324.79	301.34	276.44	24.90	12.102		
3,600.00	3,595.88	3,581.72	3,554.97	13.01	14.11	-24.47	-321.29	-337.31	309.95	284.32	25.62	12.097		
3,700.00	3,695.76	3,681.27	3,653.51	13.38	14.54	-23.80	-328.02	-349.84	318.59	292.25	26.34	12.093		
3,800.00	3,795.64	3,780.83	3,752.05	13.75	14.97	-23.16	-334.75	-362.36	327.28	300.21	27.07	12.091		
3,900.00	3,895.52	3,880.39	3,850.58	14.12	15.40	-22.55	-341.49	-374.89	336.01	308.22	27.79	12.091		
4,000.00	3,995.40	3,979.94	3,949.12	14.49	15.83	-21.98	-348.22	-387.41	344.77	316.25	28.51	12.091		
4,100.00	4,095.28	4,079.50	4,047.66	14.86	16.26	-21.43	-354.95	-399.94	353.56	324.33	29.24	12.093		
4,200.00	4,195.16	4,179.06	4,146.19	15.22	16.69	-20.91	-361.69	-412.46	362.39	332.43	29.96	12.095		
4,300.00	4,295.04	4,278.62	4,244.73	15.59	17.12	-20.41	-368.42	-424.99	371.24	340.56	30.68	12.099		
4,400.00	4,394.92	4,378.17	4,343.26	15.96	17.55	-19.94	-375.15	-437.51	380.12	348.72	31.41	12.103		
4,500.00	4,494.80	4,477.73	4,441.80	16.33	17.99	-19.49	-381.89	-450.04	389.03	356.90	32.13	12.107		
4,600.00	4,594.68	4,577.29	4,540.34	16.70	18.42	-19.06	-388.62	-462.56	397.96	365.10	32.86	12.112		
4,700.00	4,694.56	4,676.84	4,638.87	17.07	18.85	-18.64	-395.36	-475.09	406.91	373.32	33.58	12.117		
4,800.00	4,794.43	4,776.40	4,737.41	17.44	19.28	-18.25	-402.09	-487.61	415.87	381.57	34.31	12.123		
4,900.00	4,894.31	4,875.96	4,835.95	17.81	19.71	-17.87	-408.82	-500.14	424.86	389.83	35.03	12.129		
5,000.00	4,994.19	4,975.51	4,934.48	18.18	20.14	-17.51	-415.56	-512.66	433.87	398.11	35.75	12.135		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 2-T4S-R65W - PROSPER FARMS 4-65 2-1-6 3CH - 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	5,094.07	5,075.07	5,033.02	18.55	20.57	-17.16	-422.29	-525.19	442.89	406.41	36.48	12.141		
5,200.00	5,193.95	5,174.63	5,131.55	18.91	21.01	-16.83	-429.02	-537.71	451.93	414.72	37.20	12.147		
5,300.00	5,293.83	5,274.18	5,230.09	19.28	21.44	-16.51	-435.76	-550.24	460.98	423.05	37.93	12.154		
5,400.00	5,393.71	5,373.74	5,328.63	19.65	21.87	-16.20	-442.49	-562.76	470.05	431.39	38.65	12.160		
5,500.00	5,493.59	5,473.30	5,427.16	20.02	22.30	-15.90	-449.22	-575.29	479.12	439.74	39.38	12.167		
5,600.00	5,593.47	5,572.86	5,525.70	20.39	22.73	-15.62	-455.96	-587.81	488.22	448.11	40.11	12.173		
5,700.00	5,693.35	5,672.41	5,624.23	20.76	23.16	-15.34	-462.69	-600.33	497.32	456.49	40.83	12.180		
5,800.00	5,793.23	5,771.97	5,722.77	21.13	23.60	-15.08	-469.42	-612.86	506.43	464.87	41.56	12.186		
5,900.00	5,893.11	5,871.53	5,821.31	21.50	24.03	-14.82	-476.16	-625.38	515.56	473.27	42.28	12.193		
6,000.00	5,992.99	5,971.08	5,919.84	21.87	24.46	-14.57	-482.89	-637.91	524.69	481.68	43.01	12.199		
6,100.00	6,092.86	6,070.64	6,018.38	22.24	24.89	-14.34	-489.62	-650.43	533.83	490.10	43.74	12.206		
6,200.00	6,192.74	6,170.20	6,116.92	22.60	25.33	-14.11	-496.36	-662.96	542.99	498.52	44.46	12.212		
6,300.00	6,292.62	6,269.75	6,215.45	22.97	25.76	-13.88	-503.09	-675.48	552.15	506.96	45.19	12.219		
6,400.00	6,392.50	6,369.31	6,313.99	23.34	26.19	-13.67	-509.83	-688.01	561.31	515.40	45.91	12.225		
6,500.00	6,492.38	6,468.87	6,412.52	23.71	26.62	-13.46	-516.56	-700.53	570.49	523.85	46.64	12.232		
6,600.00	6,592.26	6,568.43	6,511.06	24.08	27.05	-13.26	-523.29	-713.06	579.67	532.31	47.37	12.238		
6,700.00	6,692.14	6,667.98	6,609.60	24.45	27.49	-13.06	-530.03	-725.58	588.86	540.77	48.09	12.244		
6,800.00	6,792.02	6,767.54	6,708.13	24.82	27.92	-12.87	-536.76	-738.11	598.06	549.24	48.82	12.250		
6,900.00	6,891.90	6,867.10	6,806.67	25.19	28.35	-12.69	-543.49	-750.63	607.26	557.72	49.55	12.256		
7,000.00	6,991.78	6,966.65	6,905.21	25.56	28.78	-12.51	-550.23	-763.16	616.47	566.20	50.28	12.262		
7,100.00	7,091.66	7,066.21	7,003.74	25.93	29.22	-12.34	-556.96	-775.68	625.69	574.69	51.00	12.268		
7,200.00	7,191.54	7,165.77	7,102.28	26.29	29.65	-12.17	-563.69	-788.21	634.91	583.18	51.73	12.274		
7,300.00	7,291.41	7,265.21	7,198.15	26.66	30.09	-11.94	-570.42	-800.74	644.13	591.67	52.46	12.280		
7,400.00	7,390.63	7,364.49	7,298.31	27.05	30.68	-11.74	-577.16	-813.27	653.35	600.19	53.19	12.286		
7,500.00	7,489.53	7,463.44	7,397.22	27.49	30.73	-11.58	-583.90	-825.80	662.57	608.71	53.92	12.292		
7,600.00	7,588.82	7,562.74	7,496.00	27.98	30.73	-11.46	-590.64	-838.33	671.79	617.21	54.65	12.298		
7,700.00	7,688.17	7,662.14	7,594.82	28.54	30.72	-11.34	-597.38	-850.86	680.91	625.73	55.38	12.304		
7,800.00	7,787.67	7,761.67	7,692.16	29.11	30.70	-11.22	-604.12	-863.39	690.03	634.25	56.11	12.310		
7,900.00	7,887.17	7,861.22	7,782.66	29.71	30.69	-11.10	-610.86	-875.92	699.15	642.77	56.84	12.316		
8,000.00	7,986.67	7,960.76	7,873.16	30.35	30.66	-11.00	-617.60	-888.45	708.27	651.29	57.57	12.322		
8,100.00	8,086.17	8,060.30	7,962.66	31.00	30.65	-10.90	-624.34	-900.98	717.39	660.41	58.30	12.328		
8,200.00	8,185.67	8,159.84	8,052.16	31.65	30.64	-10.80	-631.08	-913.51	726.51	669.53	59.03	12.334		
8,300.00	8,285.17	8,259.38	8,141.66	32.30	30.62	-10.70	-637.82	-926.04	735.63	678.65	59.76	12.340		
8,400.00	8,384.67	8,358.92	8,231.16	32.95	30.61	-10.60	-644.56	-938.57	744.75	687.77	60.49	12.346		
8,500.00	8,484.17	8,458.46	8,320.66	33.60	30.60	-10.50	-651.30	-951.10	753.87	696.89	61.22	12.352		
8,600.00	8,583.67	8,557.98	8,410.16	34.25	30.58	-10.40	-658.04	-963.63	762.99	706.01	61.95	12.358		
8,700.00	8,683.17	8,657.52	8,499.66	34.90	30.57	-10.30	-664.78	-976.16	772.11	715.13	62.68	12.364		
8,800.00	8,782.67	8,757.06	8,589.16	35.55	30.55	-10.20	-671.52	-988.69	781.23	724.25	63.41	12.370		
8,900.00	8,882.17	8,856.56	8,678.66	36.20	30.53	-10.10	-678.26	-1001.22	790.35	733.37	64.14	12.376		
9,000.00	8,981.67	8,956.10	8,768.16	36.85	30.53	-10.00	-685.00	-1013.75	799.47	742.49	64.87	12.382		
9,100.00	9,081.17	9,055.64	8,857.66	37.50	30.51	-9.90	-691.74	-1026.28	808.59	751.61	65.60	12.388		
9,200.00	9,180.67	9,155.22	8,947.16	38.15	30.49	-9.80	-698.48	-1038.81	817.71	760.73	66.33	12.394		
9,300.00	9,280.17	9,254.76	9,036.66	38.80	30.47	-9.70	-705.22	-1051.34	826.83	769.85	67.06	12.400		
9,400.00	9,379.67	9,354.30	9,126.16	39.45	30.47	-9.60	-711.96	-1063.87	835.95	778.97	67.79	12.406		
9,500.00	9,479.17	9,453.78	9,215.66	40.10	30.47	-9.50	-718.70	-1076.40	845.07	788.09	68.52	12.412		
9,600.00	9,578.67	9,553.32	9,305.16	40.75	30.47	-9.40	-725.44	-1088.93	854.19	797.21	69.25	12.418		
9,700.00	9,678.17	9,652.84	9,394.66	41.40	30.43	-9.30	-732.18	-1101.46	863.31	806.33	70.00	12.424		
9,800.00	9,777.67	9,752.34	9,484.16	42.05	30.42	-9.20	-738.92	-1114.00	872.43	815.45	70.73	12.430		
9,900.00	9,877.17	9,851.84	9,573.66	42.70	30.38	-9.10	-745.66	-1126.53	881.55	824.57	71.46	12.436		
10,000.00	9,976.67	9,951.36	9,663.16	43.35	30.38	-9.00	-752.40	-1139.06	890.67	833.69	72.19	12.442		
10,100.00	10,076.17	10,050.88	9,752.66	44.00	30.38	-8.90	-759.14	-1151.59	899.79	842.81	72.92	12.448		

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 PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 2-T4S-R65W - PROSPER FARMS 4-65 2-1-6 3CH - 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		
10,200.00	7,850.00	7,400.00	7,334.44	76.23	30.38	-38.11	-579.97	-783.18	2,212.95	2,154.32	58.63	37.746		
10,300.00	7,850.00	7,400.00	7,334.44	78.73	30.38	-38.11	-579.97	-783.18	2,308.66	2,249.95	58.71	39.322		
10,400.00	7,850.00	7,400.00	7,334.44	81.25	30.38	-38.11	-579.97	-783.18	2,404.72	2,345.93	58.79	40.905		
10,500.00	7,850.00	7,400.00	7,334.44	83.77	30.38	-38.11	-579.97	-783.18	2,501.09	2,442.23	58.86	42.493		
10,600.00	7,850.00	7,400.00	7,334.44	86.30	30.38	-38.11	-579.97	-783.18	2,597.74	2,538.81	58.92	44.086		
10,700.00	7,850.00	7,400.00	7,334.44	88.85	30.38	-38.11	-579.97	-783.18	2,694.62	2,635.64	58.99	45.683		
10,800.00	7,850.00	7,378.83	7,313.76	91.40	30.34	-36.92	-578.48	-787.45	2,791.27	2,732.38	58.89	47.398		
10,900.00	7,850.00	7,375.77	7,310.75	93.96	30.34	-36.75	-578.26	-788.00	2,888.43	2,829.50	58.93	49.016		
11,000.00	7,850.00	7,372.88	7,307.92	96.53	30.33	-36.59	-578.06	-788.51	2,985.76	2,926.80	58.97	50.635		
11,100.00	7,850.00	7,350.00	7,285.37	99.10	30.28	-35.37	-576.44	-792.02	3,083.67	3,024.80	58.87	52.382		
11,200.00	7,850.00	7,350.00	7,285.37	101.68	30.28	-35.37	-576.44	-792.02	3,181.20	3,122.27	58.93	53.985		
11,300.00	7,850.00	7,350.00	7,285.37	104.27	30.28	-35.37	-576.44	-792.02	3,278.88	3,219.89	58.98	55.589		
11,400.00	7,850.00	7,350.00	7,285.37	106.86	30.28	-35.37	-576.44	-792.02	3,376.69	3,317.65	59.04	57.194		
11,500.00	7,850.00	7,350.00	7,285.37	109.45	30.28	-35.37	-576.44	-792.02	3,474.63	3,415.53	59.09	58.799		
11,600.00	7,850.00	7,350.00	7,285.37	112.06	30.28	-35.37	-576.44	-792.02	3,572.68	3,513.53	59.15	60.404		
11,700.00	7,850.00	7,350.00	7,285.37	114.66	30.28	-35.37	-576.44	-792.02	3,670.84	3,611.64	59.20	62.009		
11,800.00	7,850.00	7,350.00	7,285.37	117.27	30.28	-35.37	-576.44	-792.02	3,769.09	3,709.84	59.25	63.613		
11,900.00	7,850.00	7,350.00	7,285.37	119.88	30.28	-35.37	-576.44	-792.02	3,867.44	3,808.14	59.30	65.217		
12,000.00	7,850.00	7,350.00	7,285.37	122.50	30.28	-35.37	-576.44	-792.02	3,965.86	3,906.51	59.35	66.820		
12,100.00	7,850.00	7,350.00	7,285.37	125.12	30.28	-35.37	-576.44	-792.02	4,064.37	4,004.96	59.40	68.421		
12,200.00	7,850.00	7,350.00	7,285.37	127.74	30.28	-35.37	-576.44	-792.02	4,162.94	4,103.49	59.45	70.022		
12,300.00	7,850.00	7,350.00	7,285.37	130.37	30.28	-35.37	-576.44	-792.02	4,261.58	4,202.08	59.50	71.620		
12,400.00	7,850.00	7,350.00	7,285.37	133.00	30.28	-35.37	-576.44	-792.02	4,360.29	4,300.73	59.55	73.217		
12,500.00	7,850.00	7,350.00	7,285.37	135.63	30.28	-35.37	-576.44	-792.02	4,459.05	4,399.44	59.60	74.813		
12,600.00	7,850.00	7,350.00	7,285.37	138.26	30.28	-35.37	-576.44	-792.02	4,557.86	4,498.21	59.65	76.406		
12,700.00	7,850.00	7,350.00	7,285.37	140.90	30.28	-35.37	-576.44	-792.02	4,656.73	4,597.02	59.70	77.997		
12,800.00	7,850.00	7,350.00	7,285.37	143.53	30.28	-35.37	-576.44	-792.02	4,755.64	4,695.88	59.76	79.585		
12,900.00	7,850.00	7,350.00	7,285.37	146.17	30.28	-35.37	-576.44	-792.02	4,854.60	4,794.79	59.81	81.172		
13,000.00	7,850.00	7,350.00	7,285.37	148.82	30.28	-35.37	-576.44	-792.02	4,953.60	4,893.74	59.86	82.756		
13,100.00	7,850.00	7,350.00	7,285.37	151.46	30.28	-35.37	-576.44	-792.02	5,052.64	4,992.73	59.91	84.337		
13,200.00	7,850.00	7,350.00	7,285.37	154.10	30.28	-35.37	-576.44	-792.02	5,151.71	5,091.75	59.96	85.915		
13,300.00	7,850.00	7,350.00	7,285.37	156.75	30.28	-35.37	-576.44	-792.02	5,250.82	5,190.81	60.02	87.491		
13,400.00	7,850.00	7,350.00	7,285.37	159.40	30.28	-35.37	-576.44	-792.02	5,349.97	5,289.90	60.07	89.063		
13,500.00	7,850.00	7,350.00	7,285.37	162.05	30.28	-35.37	-576.44	-792.02	5,449.14	5,389.02	60.12	90.633		
13,600.00	7,850.00	7,350.00	7,285.37	164.70	30.28	-35.37	-576.44	-792.02	5,548.35	5,488.17	60.18	92.200		
13,700.00	7,850.00	7,350.00	7,285.37	167.36	30.28	-35.37	-576.44	-792.02	5,647.58	5,587.35	60.23	93.763		
13,800.00	7,850.00	7,350.00	7,285.37	170.01	30.28	-35.37	-576.44	-792.02	5,746.84	5,686.55	60.29	95.323		
13,900.00	7,850.00	7,350.00	7,285.37	172.66	30.28	-35.37	-576.44	-792.02	5,846.12	5,785.78	60.34	96.880		
14,000.00	7,850.00	7,327.09	7,262.67	175.32	30.23	-34.21	-574.82	-794.63	5,944.93	5,884.64	60.29	98.598		
14,100.00	7,850.00	7,326.28	7,261.86	177.98	30.22	-34.17	-574.76	-794.71	6,044.23	5,983.88	60.35	100.155		
14,200.00	7,850.00	7,325.49	7,261.07	180.64	30.22	-34.13	-574.71	-794.78	6,143.55	6,083.14	60.40	101.708		
14,300.00	7,850.00	7,324.72	7,260.31	183.30	30.22	-34.09	-574.65	-794.85	6,242.88	6,182.42	60.46	103.257		
14,400.00	7,850.00	7,323.97	7,259.57	185.96	30.22	-34.05	-574.60	-794.92	6,342.24	6,281.73	60.52	104.803		
14,500.00	7,850.00	7,323.25	7,258.85	188.62	30.22	-34.02	-574.55	-794.98	6,441.62	6,381.05	60.57	106.345		
14,600.00	7,850.00	7,300.00	7,235.71	191.28	30.16	-32.90	-572.91	-796.54	6,541.50	6,480.97	60.53	108.069		
14,700.00	7,850.00	7,300.00	7,235.71	193.95	30.16	-32.90	-572.91	-796.54	6,640.88	6,580.29	60.59	109.599		
14,800.00	7,850.00	7,300.00	7,235.71	196.61	30.16	-32.90	-572.91	-796.54	6,740.28	6,679.62	60.66	111.124		
14,900.00	7,850.00	7,300.00	7,235.71	199.28	30.16	-32.90	-572.91	-796.54	6,839.70	6,778.98	60.72	112.646		
15,000.00	7,850.00	7,300.00	7,235.71	201.94	30.16	-32.90	-572.91	-796.54	6,939.13	6,878.35	60.78	114.163		
15,100.00	7,850.00	7,300.00	7,235.71	204.61	30.16	-32.90	-572.91	-796.54	7,038.58	6,977.74	60.85	115.676		
15,200.00	7,850.00	7,300.00	7,235.71	207.27	30.16	-32.90	-572.91	-796.54	7,138.05	7,077.14	60.91	117.186		
15,300.00	7,850.00	7,300.00	7,235.71	209.94	30.16	-32.90	-572.91	-796.54	7,237.53	7,176.55	60.98	118.691		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 2-T4S-R65W - PROSPER FARMS 4-65 2-1-6 3CH - 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		
15,400.00	7,850.00	7,300.00	7,235.71	212.61	30.16	-32.90	-572.91	-796.54	7,337.03	7,275.98	61.04	120.192		
15,500.00	7,850.00	7,300.00	7,235.71	215.28	30.16	-32.90	-572.91	-796.54	7,436.54	7,375.43	61.11	121.689		
15,600.00	7,850.00	7,300.00	7,235.71	217.95	30.16	-32.90	-572.91	-796.54	7,536.06	7,474.88	61.18	123.182		
15,700.00	7,850.00	7,300.00	7,235.71	220.62	30.16	-32.90	-572.91	-796.54	7,635.59	7,574.35	61.25	124.670		
15,800.00	7,850.00	7,300.00	7,235.71	223.29	30.16	-32.90	-572.91	-796.54	7,735.14	7,673.83	61.31	126.154		
15,900.00	7,850.00	7,300.00	7,235.71	225.96	30.16	-32.90	-572.91	-796.54	7,834.70	7,773.31	61.38	127.634		
16,000.00	7,850.00	7,300.00	7,235.71	228.64	30.16	-32.90	-572.91	-796.54	7,934.27	7,872.81	61.45	129.109		
16,100.00	7,850.00	7,300.00	7,235.71	231.31	30.16	-32.90	-572.91	-796.54	8,033.85	7,972.32	61.52	130.580		
16,200.00	7,850.00	7,300.00	7,235.71	233.98	30.16	-32.90	-572.91	-796.54	8,133.44	8,071.84	61.60	132.046		
16,300.00	7,850.00	7,300.00	7,235.71	236.65	30.16	-32.90	-572.91	-796.54	8,233.04	8,171.37	61.67	133.508		
16,400.00	7,850.00	7,300.00	7,235.71	239.33	30.16	-32.90	-572.91	-796.54	8,332.65	8,270.91	61.74	134.966		
16,500.00	7,850.00	7,300.00	7,235.71	242.00	30.16	-32.90	-572.91	-796.54	8,432.27	8,370.45	61.81	136.418		
16,600.00	7,850.00	7,300.00	7,235.71	244.68	30.16	-32.90	-572.91	-796.54	8,531.89	8,470.01	61.89	137.866		
16,700.00	7,850.00	7,300.00	7,235.71	247.35	30.16	-32.90	-572.91	-796.54	8,631.53	8,569.57	61.96	139.310		
16,800.00	7,850.00	7,300.00	7,235.71	250.03	30.16	-32.90	-572.91	-796.54	8,731.17	8,669.14	62.03	140.749		
16,900.00	7,850.00	7,300.00	7,235.71	252.70	30.16	-32.90	-572.91	-796.54	8,830.83	8,768.72	62.11	142.183		
17,000.00	7,850.00	7,300.00	7,235.71	255.38	30.16	-32.90	-572.91	-796.54	8,930.49	8,868.30	62.18	143.613		
17,100.00	7,850.00	7,300.00	7,235.71	258.06	30.16	-32.90	-572.91	-796.54	9,030.16	8,967.90	62.26	145.038		
17,200.00	7,850.00	7,300.00	7,235.71	260.73	30.16	-32.90	-572.91	-796.54	9,129.83	9,067.49	62.34	146.458		
17,300.00	7,850.00	7,300.00	7,235.71	263.41	30.16	-32.90	-572.91	-796.54	9,229.51	9,167.10	62.41	147.873		
17,400.00	7,850.00	7,300.00	7,235.71	266.09	30.16	-32.90	-572.91	-796.54	9,329.20	9,266.71	62.49	149.284		
17,500.00	7,850.00	7,300.00	7,235.71	268.77	30.16	-32.90	-572.91	-796.54	9,428.90	9,366.33	62.57	150.690		
17,600.00	7,850.00	7,300.00	7,235.71	271.45	30.16	-32.90	-572.91	-796.54	9,528.60	9,465.95	62.65	152.091		
17,700.00	7,850.00	7,300.00	7,235.71	274.12	30.16	-32.90	-572.91	-796.54	9,628.31	9,565.58	62.73	153.487		
17,800.00	7,850.00	7,300.00	7,235.71	276.80	30.16	-32.90	-572.91	-796.54	9,728.02	9,665.21	62.81	154.879		
17,900.00	7,850.00	7,300.00	7,235.71	279.48	30.16	-32.90	-572.91	-796.54	9,827.74	9,764.85	62.89	156.265		
18,000.00	7,850.00	7,300.00	7,235.71	282.16	30.16	-32.90	-572.91	-796.54	9,927.47	9,864.50	62.97	157.647		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 3-T4S-R65W - EXIST HZ PROPERTY RESERVE 4-65 3-4 1H - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 83-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	46.74	46.74	0.00	0.06	-129.51	-1,118.70	-1,356.69	1,758.45					
100.00	100.00	144.03	144.03	0.13	0.32	-129.51	-1,119.06	-1,357.29	1,759.16	1,758.71	0.46	3,828.375		
200.00	199.98	247.10	247.09	0.49	0.69	-11.84	-1,119.14	-1,357.92	1,757.98	1,756.80	1.18	1,490.448		
300.00	299.87	346.67	346.67	0.85	1.05	-11.87	-1,119.17	-1,358.49	1,753.91	1,752.02	1.90	925.493		
400.00	399.75	446.59	446.58	1.21	1.41	-11.90	-1,119.28	-1,359.02	1,749.58	1,746.97	2.61	670.972		
500.00	499.63	548.51	548.50	1.58	1.77	-11.93	-1,119.49	-1,359.40	1,745.19	1,741.86	3.33	524.228		
600.00	599.51	648.88	648.87	1.94	2.13	-11.96	-1,119.72	-1,359.65	1,740.72	1,736.68	4.05	430.316		
700.00	699.39	748.62	748.61	2.31	2.49	-12.00	-1,119.99	-1,359.88	1,736.26	1,731.50	4.76	364.810		
800.00	799.27	849.04	849.03	2.68	2.85	-12.03	-1,120.26	-1,360.08	1,731.77	1,726.30	5.48	316.234		
900.00	899.15	948.16	948.15	3.05	3.20	-12.07	-1,120.55	-1,360.26	1,727.30	1,721.11	6.19	279.092		
1,000.00	999.03	1,047.95	1,047.94	3.42	3.56	-12.11	-1,120.83	-1,360.52	1,722.87	1,715.97	6.91	249.506		
1,100.00	1,098.91	1,148.24	1,148.23	3.79	3.92	-12.14	-1,121.06	-1,360.77	1,718.41	1,710.78	7.62	225.399		
1,200.00	1,198.78	1,247.92	1,247.90	4.16	4.27	-12.18	-1,121.29	-1,361.03	1,713.95	1,705.61	8.34	205.501		
1,300.00	1,298.66	1,348.08	1,348.06	4.52	4.63	-12.21	-1,121.59	-1,361.24	1,709.50	1,700.44	9.06	188.731		
1,400.00	1,398.54	1,449.12	1,449.11	4.89	4.99	-12.25	-1,121.92	-1,361.37	1,705.01	1,695.23	9.78	174.391		
1,500.00	1,498.42	1,547.49	1,547.48	5.26	5.34	-12.30	-1,122.28	-1,361.45	1,700.50	1,690.02	10.49	162.167		
1,600.00	1,598.30	1,645.53	1,645.51	5.63	5.69	-12.34	-1,122.73	-1,361.61	1,696.12	1,684.92	11.20	151.504		
1,700.00	1,698.18	1,744.44	1,744.43	6.00	6.04	-12.39	-1,123.30	-1,361.78	1,691.82	1,679.91	11.91	142.080		
1,800.00	1,798.06	1,844.44	1,844.42	6.37	6.40	-12.44	-1,123.96	-1,361.91	1,687.55	1,674.92	12.62	133.687		
1,900.00	1,897.94	1,944.15	1,944.13	6.74	6.75	-12.48	-1,124.58	-1,362.08	1,683.28	1,669.94	13.34	126.196		
2,000.00	1,997.82	2,043.81	2,043.78	7.11	7.11	-12.53	-1,125.17	-1,362.29	1,679.02	1,664.97	14.05	119.464		
2,100.00	2,097.70	2,143.54	2,143.51	7.48	7.47	-12.58	-1,125.75	-1,362.53	1,674.78	1,660.01	14.77	113.381		
2,200.00	2,197.58	2,244.31	2,244.28	7.84	7.83	-12.62	-1,126.30	-1,362.78	1,670.52	1,655.03	15.49	107.835		
2,300.00	2,297.46	2,362.13	2,362.10	8.21	8.24	-12.66	-1,126.22	-1,363.19	1,666.00	1,649.74	16.26	102.451		
2,400.00	2,397.33	2,520.11	2,519.95	8.58	8.77	-12.56	-1,120.34	-1,363.24	1,658.78	1,641.66	17.12	96.864		
2,500.00	2,497.21	2,631.62	2,631.25	8.95	9.14	-12.43	-1,113.45	-1,362.50	1,649.49	1,631.64	17.85	92.426		
2,600.00	2,597.09	2,737.59	2,736.97	9.32	9.50	-12.30	-1,106.27	-1,361.67	1,639.75	1,621.20	18.56	88.370		
2,700.00	2,696.97	2,830.51	2,829.66	9.69	9.81	-12.18	-1,099.90	-1,360.78	1,629.83	1,610.60	19.23	84.748		
2,800.00	2,796.85	2,921.68	2,920.67	10.06	10.12	-12.08	-1,094.44	-1,360.14	1,620.65	1,600.75	19.90	81.421		
2,900.00	2,896.73	3,021.31	3,020.13	10.43	10.46	-11.97	-1,088.61	-1,359.51	1,611.63	1,591.03	20.60	78.225		
3,000.00	2,996.61	3,124.26	3,122.88	10.80	10.82	-11.85	-1,082.35	-1,358.94	1,602.53	1,581.22	21.31	75.196		
3,100.00	3,096.49	3,225.53	3,223.96	11.17	11.17	-11.72	-1,075.96	-1,358.28	1,593.21	1,571.20	22.02	72.363		
3,200.00	3,196.37	3,321.22	3,319.46	11.53	11.50	-11.61	-1,070.15	-1,357.54	1,583.97	1,561.26	22.71	69.751		
3,300.00	3,296.25	3,405.22	3,403.31	11.90	11.80	-11.50	-1,065.15	-1,357.40	1,575.28	1,551.91	23.37	67.405		
3,400.00	3,396.13	3,495.79	3,493.72	12.27	12.11	-11.36	-1,059.87	-1,358.37	1,567.61	1,543.56	24.05	65.177		
3,500.00	3,496.01	3,595.86	3,593.62	12.64	12.47	-11.21	-1,054.12	-1,359.56	1,560.11	1,535.34	24.76	63.005		
3,600.00	3,595.88	3,705.55	3,703.14	13.01	12.85	-11.05	-1,048.03	-1,360.30	1,552.34	1,526.84	25.50	60.879		
3,700.00	3,695.76	3,809.62	3,807.07	13.38	13.22	-10.94	-1,042.68	-1,359.86	1,543.98	1,517.76	26.22	58.890		
3,800.00	3,795.64	3,913.48	3,910.78	13.75	13.58	-10.83	-1,037.21	-1,359.22	1,535.40	1,508.46	26.94	56.999		
3,900.00	3,895.52	4,015.29	4,012.44	14.12	13.94	-10.72	-1,031.62	-1,358.49	1,526.61	1,498.96	27.65	55.208		
4,000.00	3,995.40	4,112.68	4,109.69	14.49	14.29	-10.62	-1,026.48	-1,357.60	1,517.79	1,489.44	28.35	53.529		
4,100.00	4,095.28	4,203.60	4,200.47	14.86	14.61	-10.51	-1,021.58	-1,357.33	1,509.39	1,480.35	29.04	51.973		
4,200.00	4,195.16	4,304.71	4,301.42	15.22	14.97	-10.37	-1,015.74	-1,357.57	1,501.18	1,471.43	29.76	50.446		
4,300.00	4,295.04	4,400.06	4,396.61	15.59	15.31	-10.23	-1,010.32	-1,357.83	1,493.08	1,462.62	30.46	49.018		
4,400.00	4,394.92	4,494.54	4,490.97	15.96	15.65	-10.11	-1,005.54	-1,358.15	1,485.40	1,454.25	31.16	47.672		
4,500.00	4,494.80	4,604.75	4,601.02	16.33	16.04	-9.96	-999.67	-1,358.29	1,477.41	1,445.51	31.90	46.313		
4,600.00	4,594.68	4,704.26	4,700.40	16.70	16.40	-9.85	-994.52	-1,357.81	1,469.03	1,436.42	32.61	45.044		
4,700.00	4,694.56	4,808.92	4,804.93	17.07	16.77	-9.74	-989.46	-1,357.25	1,460.85	1,427.51	33.34	43.819		
4,800.00	4,794.43	4,918.01	4,913.83	17.44	17.16	-9.59	-983.04	-1,356.27	1,451.70	1,417.63	34.08	42.603		
4,900.00	4,894.31	5,012.16	5,007.82	17.81	17.50	-9.48	-977.74	-1,355.22	1,442.58	1,407.80	34.78	41.483		
5,000.00	4,994.19	5,098.73	5,094.29	18.18	17.81	-9.39	-973.48	-1,354.46	1,434.08	1,398.63	35.46	40.447		
5,100.00	5,094.07	5,187.50	5,182.93	18.55	18.13	-9.26	-968.84	-1,355.02	1,426.58	1,390.44	36.14	39.471		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 3-T4S-R65W - EXIST HZ PROPERTY RESERVE 4-65 3-4 1H - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 83-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	5,193.95	5,280.89	5,276.18	18.91	18.47	-9.10	-963.85	-1,356.26	1,419.59	1,382.75	36.84	38.531		
5,300.00	5,293.83	5,378.36	5,373.55	19.28	18.81	-8.96	-959.56	-1,357.34	1,413.00	1,375.45	37.55	37.626		
5,400.00	5,393.71	5,512.12	5,507.13	19.65	19.30	-8.77	-952.94	-1,357.97	1,405.70	1,367.35	38.36	36.646		
5,500.00	5,493.59	5,622.06	5,616.79	20.02	19.70	-8.55	-945.02	-1,357.58	1,396.30	1,357.20	39.10	35.711		
5,600.00	5,593.47	5,702.79	5,697.34	20.39	19.99	-8.40	-939.68	-1,357.41	1,387.35	1,347.57	39.78	34.879		
5,700.00	5,693.35	5,793.81	5,788.23	20.76	20.32	-8.26	-934.65	-1,357.48	1,379.31	1,338.84	40.47	34.080		
5,800.00	5,793.23	5,881.20	5,875.51	21.13	20.63	-8.13	-930.43	-1,357.91	1,372.01	1,330.85	41.16	33.335		
5,900.00	5,893.11	5,984.97	5,979.17	21.50	21.01	-7.97	-925.60	-1,358.79	1,365.13	1,323.24	41.89	32.590		
6,000.00	5,992.99	6,068.97	6,063.06	21.87	21.31	-7.83	-921.62	-1,359.87	1,358.55	1,315.99	42.56	31.919		
6,100.00	6,092.86	6,193.21	6,187.13	22.24	21.76	-7.60	-915.28	-1,361.67	1,351.96	1,308.61	43.35	31.188		
6,200.00	6,192.74	6,284.72	6,278.48	22.60	22.09	-7.42	-909.96	-1,362.64	1,344.60	1,300.55	44.05	30.524		
6,300.00	6,292.62	6,367.00	6,360.64	22.97	22.39	-7.27	-905.86	-1,363.89	1,338.12	1,293.40	44.72	29.920		
6,400.00	6,392.50	6,483.65	6,477.14	23.34	22.81	-7.05	-900.19	-1,365.79	1,331.83	1,286.34	45.49	29.277		
6,500.00	6,492.38	6,603.22	6,596.50	23.71	23.25	-6.83	-893.19	-1,365.81	1,323.57	1,277.31	46.26	28.613		
6,600.00	6,592.26	6,688.84	6,682.02	24.08	23.56	-6.72	-889.03	-1,365.14	1,315.34	1,268.40	46.94	28.020		
6,700.00	6,692.14	6,769.29	6,762.44	24.45	23.84	-6.68	-887.14	-1,364.75	1,308.70	1,261.10	47.61	27.490		
6,800.00	6,792.02	6,866.62	6,859.77	24.82	24.18	-6.68	-886.03	-1,364.38	1,302.86	1,254.56	48.31	26.969		
6,900.00	6,891.90	6,971.04	6,964.17	25.19	24.54	-6.69	-885.10	-1,363.48	1,296.77	1,247.74	49.03	26.449		
7,000.00	6,991.78	7,069.59	7,062.72	25.56	24.89	-6.71	-884.24	-1,362.54	1,290.61	1,240.87	49.73	25.951		
7,100.00	7,091.66	7,166.18	7,159.30	25.93	25.22	-6.73	-883.64	-1,361.64	1,284.61	1,234.18	50.43	25.474		
7,200.00	7,191.54	7,257.16	7,250.27	26.29	25.54	-6.76	-883.23	-1,361.03	1,278.94	1,227.83	51.11	25.023		
7,300.00	7,291.41	7,312.00	7,305.10	26.66	25.73	-6.73	-882.99	-1,362.28	1,275.62	1,223.96	51.66	24.691		
7,400.00	7,390.63	7,351.69	7,344.68	27.05	25.86	-28.08	-882.87	-1,365.23	1,270.76	1,218.68	52.09	24.397		
7,500.00	7,486.41	7,394.24	7,386.90	27.49	26.01	-32.08	-882.90	-1,370.43	1,256.13	1,203.69	52.44	23.952		
7,600.00	7,575.82	7,438.00	7,429.97	27.98	26.16	-34.95	-883.17	-1,378.11	1,232.10	1,179.36	52.74	23.361		
7,700.00	7,656.17	7,476.15	7,467.13	28.54	26.29	-38.14	-883.49	-1,386.76	1,199.16	1,146.21	52.95	22.647		
7,800.00	7,724.99	7,519.39	7,508.72	29.19	26.43	-42.23	-883.52	-1,398.56	1,157.76	1,104.54	53.22	21.755		
7,900.00	7,780.22	7,556.19	7,543.53	29.99	26.55	-47.32	-883.32	-1,410.46	1,109.22	1,055.71	53.51	20.730		
8,000.00	7,820.15	7,596.00	7,580.50	30.95	26.68	-53.88	-883.06	-1,425.24	1,055.09	1,001.06	54.03	19.529		
8,100.00	7,843.59	7,627.00	7,608.73	32.08	26.78	-61.48	-882.72	-1,438.04	997.00	942.25	54.75	18.210		
8,200.00	7,850.00	7,649.22	7,628.65	33.35	26.86	-68.61	-882.48	-1,447.88	937.40	881.61	55.78	16.804		
8,300.00	7,850.00	7,671.27	7,648.09	34.77	26.93	-69.99	-882.39	-1,458.27	881.73	824.50	57.24	15.405		
8,400.00	7,850.00	7,690.00	7,664.30	36.34	26.99	-71.16	-882.46	-1,467.66	833.10	774.06	59.04	14.110		
8,500.00	7,850.00	7,722.00	7,691.27	38.03	27.10	-73.16	-882.99	-1,484.86	792.43	731.01	61.42	12.902		
8,600.00	7,850.00	7,753.00	7,716.42	39.84	27.22	-75.06	-883.96	-1,502.95	760.71	696.63	64.08	11.871		
8,700.00	7,850.00	7,793.30	7,747.52	41.74	27.37	-77.47	-885.66	-1,528.51	738.33	671.30	67.03	11.015		
8,800.00	7,850.00	7,848.00	7,786.99	43.72	27.61	-80.57	-887.97	-1,566.28	724.54	654.40	70.14	10.330		
8,900.00	7,850.00	7,910.22	7,825.94	45.78	27.93	-83.67	-890.60	-1,614.64	718.64	645.48	73.16	9.823		
9,000.00	7,850.00	8,012.28	7,874.84	47.90	28.60	-87.58	-893.55	-1,704.06	717.59	641.28	76.31	9.403		
9,100.00	7,850.00	8,113.05	7,905.00	50.08	29.44	-89.98	-893.56	-1,799.92	716.84	637.42	79.42	9.026		
9,122.70	7,850.00	8,132.84	7,908.02	50.58	29.63	-90.23	-893.53	-1,819.48	716.79	636.68	80.12	8.947		
9,200.00	7,850.00	8,202.21	7,912.89	52.30	30.33	-90.62	-894.02	-1,888.64	717.30	634.75	82.55	8.689		
9,300.00	7,850.00	8,284.00	7,913.88	54.57	31.26	-90.69	-895.84	-1,970.39	719.51	633.76	85.75	8.391		
9,400.00	7,850.00	8,393.69	7,911.80	56.87	32.68	-90.52	-899.35	-2,080.00	722.61	633.13	89.48	8.076		
9,500.00	7,850.00	8,499.29	7,912.13	59.21	34.27	-90.55	-901.44	-2,185.58	724.50	631.08	93.42	7.755		
9,600.00	7,850.00	8,608.39	7,914.17	61.58	36.06	-90.71	-902.83	-2,294.65	725.73	628.16	97.57	7.438		
9,700.00	7,850.00	8,723.41	7,916.34	63.97	38.10	-90.88	-901.87	-2,409.64	724.81	622.84	101.97	7.108		
9,800.00	7,850.00	8,826.75	7,918.13	66.38	40.06	-91.03	-899.73	-2,512.94	722.68	616.35	106.33	6.797		
9,900.00	7,850.00	8,929.08	7,921.42	68.82	42.09	-91.29	-897.31	-2,615.19	720.30	609.52	110.78	6.502		
10,000.00	7,850.00	9,029.79	7,925.23	71.27	44.16	-91.60	-894.67	-2,715.79	717.68	602.39	115.30	6.225		
10,100.00	7,850.00	9,137.73	7,928.40	73.75	46.46	-91.86	-891.26	-2,823.63	714.53	594.51	120.02	5.954		
10,200.00	7,850.00	9,244.53	7,929.72	76.23	48.81	-91.98	-886.44	-2,930.31	709.95	585.16	124.79	5.689		

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 PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 3-T4S-R65W - EXIST HZ PROPERTY RESERVE 4-65 3-4 1H - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 83-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,300.00	7,850.00	9,334.30	7,931.37	78.73	50.81	-92.13	-883.00	-3,020.00	706.08	576.73	129.35	5.459		
10,400.00	7,850.00	9,432.94	7,932.75	81.25	53.06	-92.25	-879.70	-3,118.57	702.70	568.60	134.10	5.240		
10,500.00	7,850.00	9,522.53	7,934.78	83.77	55.13	-92.42	-877.69	-3,208.11	700.46	561.73	138.72	5.049		
10,600.00	7,850.00	9,618.58	7,936.57	86.30	57.38	-92.57	-876.21	-3,304.14	698.91	555.41	143.50	4.871		
10,641.51	7,850.00	9,652.75	7,937.32	87.36	58.19	-92.64	-876.02	-3,338.30	698.69	553.33	145.36	4.807 CC		
10,700.00	7,850.00	9,701.85	7,939.01	88.85	59.35	-92.77	-876.35	-3,387.37	699.12	551.14	147.98	4.724		
10,800.00	7,850.00	9,802.86	7,942.81	91.40	61.76	-93.08	-877.67	-3,488.30	700.54	547.63	152.91	4.581		
10,900.00	7,850.00	9,913.71	7,944.25	93.96	64.44	-93.20	-877.80	-3,599.14	700.60	542.46	158.14	4.430		
10,936.11	7,850.00	9,947.50	7,944.74	94.89	65.26	-93.24	-877.75	-3,632.92	700.54	540.66	159.88	4.382		
11,000.00	7,850.00	10,009.38	7,946.49	96.53	66.77	-93.38	-877.84	-3,694.78	700.68	537.67	163.01	4.298		
11,100.00	7,850.00	10,109.65	7,950.10	99.10	69.23	-93.67	-877.97	-3,794.98	700.94	532.95	167.99	4.172		
11,200.00	7,850.00	10,210.94	7,953.74	101.68	71.74	-93.97	-878.04	-3,896.20	701.17	528.15	173.02	4.053		
11,300.00	7,850.00	10,312.23	7,956.46	104.27	74.26	-94.19	-877.86	-3,997.46	701.09	523.02	178.08	3.937		
11,353.10	7,850.00	10,364.93	7,957.11	105.64	75.57	-94.25	-877.82	-4,050.15	701.06	520.31	180.75	3.879		
11,400.00	7,850.00	10,406.03	7,957.82	106.86	76.60	-94.30	-877.99	-4,091.24	701.27	518.29	182.97	3.833		
11,500.00	7,850.00	10,501.29	7,960.95	109.45	78.99	-94.55	-879.13	-4,186.45	702.62	514.73	187.88	3.740		
11,600.00	7,850.00	10,603.37	7,964.20	112.06	81.57	-94.81	-880.33	-4,288.47	703.96	510.97	192.99	3.648		
11,700.00	7,850.00	10,703.41	7,966.85	114.66	84.10	-95.02	-881.31	-4,388.47	705.08	507.02	198.06	3.560		
11,800.00	7,850.00	10,798.93	7,969.44	117.27	86.53	-95.22	-882.53	-4,483.94	706.50	503.49	203.01	3.480		
11,900.00	7,850.00	10,897.48	7,973.33	119.88	89.04	-95.52	-884.25	-4,582.39	708.53	500.51	208.02	3.406		
12,000.00	7,850.00	10,996.43	7,977.15	122.50	91.57	-95.81	-886.02	-4,681.26	710.61	497.56	213.04	3.336		
12,100.00	7,850.00	11,095.29	7,980.77	125.12	94.10	-96.09	-887.99	-4,780.03	712.88	494.81	218.07	3.269		
12,200.00	7,850.00	11,212.85	7,983.62	127.74	97.12	-96.30	-889.35	-4,897.55	714.24	490.58	223.66	3.193		
12,300.00	7,850.00	11,330.16	7,983.88	130.37	100.16	-96.34	-887.65	-5,014.84	712.71	483.50	229.20	3.110		
12,400.00	7,850.00	11,427.75	7,983.76	133.00	102.69	-96.36	-885.06	-5,112.39	709.98	475.64	234.34	3.030		
12,500.00	7,850.00	11,516.18	7,985.08	135.63	104.98	-96.47	-883.99	-5,200.80	708.83	469.58	239.25	2.963		
12,600.00	7,850.00	11,622.58	7,986.76	138.26	107.75	-96.62	-883.02	-5,307.18	708.03	463.50	244.53	2.895		
12,700.00	7,850.00	11,731.07	7,988.87	140.90	110.58	-96.65	-880.58	-5,415.65	705.70	455.81	249.89	2.824		
12,800.00	7,850.00	11,826.43	7,987.90	143.53	113.07	-96.76	-878.12	-5,510.97	703.18	448.21	254.97	2.758		
12,900.00	7,850.00	11,915.78	7,989.36	146.17	115.40	-96.89	-876.83	-5,600.30	701.86	441.96	259.90	2.701		
12,928.82	7,850.00	11,941.10	7,989.84	146.94	116.06	-96.93	-876.73	-5,625.61	701.79	440.50	261.30	2.686		
13,000.00	7,850.00	12,011.04	7,991.17	148.82	117.89	-97.04	-876.82	-5,695.54	701.99	437.06	264.93	2.650		
13,100.00	7,850.00	12,109.16	7,992.46	151.46	120.46	-97.14	-876.87	-5,793.65	702.11	432.07	270.05	2.600		
13,200.00	7,850.00	12,205.77	7,993.27	154.10	122.99	-97.20	-877.63	-5,890.25	702.91	427.76	275.15	2.555		
13,300.00	7,850.00	12,308.73	7,993.49	156.75	125.69	-97.21	-878.55	-5,993.21	703.73	423.27	280.46	2.509		
13,400.00	7,850.00	12,403.89	7,993.04	159.40	128.19	-97.17	-879.28	-6,088.36	704.36	418.79	285.57	2.466		
13,500.00	7,850.00	12,498.92	7,993.69	162.05	130.68	-97.20	-880.87	-6,183.38	706.02	415.38	290.63	2.429		
13,600.00	7,850.00	12,597.51	7,995.00	164.70	133.27	-97.29	-882.80	-6,281.95	708.04	412.27	295.78	2.394		
13,700.00	7,850.00	12,699.19	7,995.66	167.36	135.94	-97.32	-884.88	-6,383.59	710.07	409.01	301.06	2.359		
13,800.00	7,850.00	12,790.46	7,996.14	170.01	138.34	-97.34	-887.02	-6,474.84	712.38	406.40	305.98	2.328		
13,900.00	7,850.00	12,885.16	7,998.02	172.66	140.83	-97.46	-890.26	-6,569.47	715.94	405.00	310.94	2.303		
14,000.00	7,850.00	12,988.54	8,000.29	175.32	143.55	-97.60	-893.89	-6,672.75	719.63	403.39	316.23	2.276		
14,100.00	7,850.00	13,091.06	8,002.64	177.98	146.25	-97.75	-896.90	-6,775.20	722.76	401.28	321.48	2.248		
14,200.00	7,850.00	13,187.62	8,003.38	180.64	148.79	-97.78	-900.00	-6,871.71	725.96	399.38	326.58	2.223		
14,300.00	7,850.00	13,297.67	8,003.90	183.30	151.69	-97.79	-903.12	-6,981.71	728.75	396.54	332.20	2.194		
14,400.00	7,850.00	13,403.42	8,005.67	185.96	154.49	-97.91	-904.77	-7,087.43	730.44	392.87	337.57	2.164		
14,500.00	7,850.00	13,507.98	8,007.01	188.62	157.26	-98.00	-905.67	-7,191.98	731.37	388.48	342.90	2.133		
14,600.00	7,850.00	13,608.99	8,007.19	191.28	159.93	-98.01	-906.24	-7,292.98	731.87	383.69	348.19	2.102		
14,700.00	7,850.00	13,709.44	8,009.93	193.95	162.60	-98.22	-906.54	-7,393.39	732.46	379.16	353.30	2.073		
14,800.00	7,850.00	13,816.72	8,012.43	196.61	165.45	-98.42	-906.34	-7,500.65	732.54	373.94	358.60	2.043		
14,900.00	7,850.00	13,923.43	8,013.17	199.28	168.28	-98.49	-905.17	-7,607.35	731.46	367.52	363.95	2.010		
15,000.00	7,850.00	14,035.44	8,013.71	201.94	171.26	-98.56	-902.73	-7,719.33	729.32	359.98	369.33	1.975		

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 PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 3-T4S-R65W - EXIST HZ PROPERTY RESERVE 4-65 3-4 1H - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 83-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
15,100.00	7,850.00	14,151.10	8,013.43	204.61	174.34	-98.60	-898.00	-7,834.89	725.15	350.49	374.65	1.936		
15,200.00	7,850.00	14,235.09	8,014.65	207.27	176.58	-98.73	-894.59	-7,918.79	721.22	341.49	379.73	1.899		
15,300.00	7,850.00	14,334.43	8,017.55	209.94	179.22	-99.00	-891.43	-8,018.04	718.44	333.70	384.74	1.867		
15,400.00	7,850.00	14,451.64	8,020.36	212.61	182.35	-99.29	-886.31	-8,135.11	714.44	324.63	389.81	1.833		
15,500.00	7,850.00	14,544.77	8,022.03	215.28	184.83	-99.49	-881.57	-8,228.10	709.62	314.74	394.88	1.797		
15,600.00	7,850.00	14,628.30	8,024.12	217.95	187.06	-99.69	-878.56	-8,311.55	706.39	306.61	399.78	1.767		
15,700.00	7,850.00	14,728.46	8,027.04	220.62	189.73	-99.96	-876.13	-8,411.63	704.41	299.65	404.76	1.740		
15,800.00	7,850.00	14,814.62	8,029.14	223.29	192.03	-100.15	-874.82	-8,497.76	703.26	293.74	409.53	1.717		
15,806.79	7,850.00	14,820.45	8,029.26	223.47	192.19	-100.16	-874.80	-8,503.59	703.26	293.41	409.85	1.716		
15,900.00	7,850.00	14,913.92	8,030.07	225.96	194.68	-100.23	-874.79	-8,597.05	703.31	288.62	414.68	1.696		
15,916.76	7,850.00	14,930.91	8,029.97	226.41	195.13	-100.22	-874.81	-8,614.04	703.30	287.72	415.58	1.692		
16,000.00	7,850.00	15,009.24	8,029.78	228.64	197.22	-100.20	-875.18	-8,692.36	703.57	283.73	419.84	1.676		
16,100.00	7,850.00	15,100.54	8,030.68	231.31	199.65	-100.26	-876.24	-8,783.65	704.80	280.06	424.74	1.659		
16,200.00	7,850.00	15,208.39	8,032.73	233.98	202.52	-100.40	-877.52	-8,891.47	706.23	276.15	430.09	1.642		
16,300.00	7,850.00	15,308.55	8,034.26	236.65	205.19	-100.52	-878.10	-8,991.62	707.00	271.79	435.21	1.624		
16,400.00	7,850.00	15,402.19	8,037.13	239.33	207.69	-100.74	-878.87	-9,085.21	708.28	268.31	439.97	1.610		
16,500.00	7,850.00	15,505.79	8,041.39	242.00	210.45	-101.07	-879.50	-9,188.72	709.57	264.66	444.91	1.595		
16,600.00	7,850.00	15,603.08	8,046.12	244.68	213.04	-101.43	-880.07	-9,285.90	711.00	261.45	449.55	1.582		
16,700.00	7,850.00	15,708.49	8,050.90	247.35	215.85	-101.81	-880.44	-9,391.20	712.18	257.74	454.43	1.567		
16,800.00	7,850.00	15,812.32	8,054.26	250.03	218.62	-102.08	-880.26	-9,494.97	712.58	253.20	459.38	1.551		
16,900.00	7,850.00	15,914.43	8,056.29	252.70	221.35	-102.24	-880.12	-9,597.06	712.79	248.37	464.42	1.535		
16,958.92	7,850.00	15,976.56	8,056.53	254.28	223.01	-102.26	-879.96	-9,659.19	712.64	245.08	467.55	1.524		
17,000.00	7,850.00	16,009.06	8,056.71	255.38	223.88	-102.27	-880.08	-9,691.68	712.77	243.32	469.45	1.518		
17,100.00	7,850.00	16,098.55	8,057.90	258.06	226.27	-102.35	-881.42	-9,781.16	714.41	240.22	474.19	1.507		
17,200.00	7,850.00	16,194.31	8,059.71	260.73	228.82	-102.45	-883.53	-9,876.88	716.89	237.82	479.07	1.496 Level 3		
17,300.00	7,850.00	16,296.44	8,060.94	263.41	231.54	-102.50	-886.36	-9,978.96	719.78	235.46	484.31	1.486 Level 3		
17,400.00	7,850.00	16,406.36	8,060.02	266.09	234.48	-102.39	-888.64	-10,088.85	721.53	231.43	490.11	1.472 Level 3		
17,500.00	7,850.00	16,513.62	8,058.66	268.77	237.34	-102.27	-889.65	-10,196.10	722.09	226.32	495.77	1.457 Level 3		
17,579.53	7,850.00	16,593.84	8,057.59	270.90	239.49	-102.18	-889.93	-10,276.31	722.07	221.97	500.11	1.444 Level 3		
17,600.00	7,850.00	16,614.15	8,057.38	271.45	240.03	-102.17	-890.00	-10,296.62	722.08	220.87	501.20	1.441 Level 3		
17,700.00	7,850.00	16,701.55	8,057.41	274.12	242.36	-102.16	-890.76	-10,384.01	722.86	216.81	506.06	1.428 Level 3		
17,800.00	7,850.00	16,802.63	8,059.17	276.80	245.06	-102.27	-892.47	-10,485.06	724.81	213.66	511.15	1.418 Level 3		
17,900.00	7,850.00	16,917.00	8,060.53	279.48	248.12	-102.36	-893.09	-10,599.42	725.52	208.86	516.66	1.404 Level 3		
17,973.49	7,850.00	16,991.16	8,060.86	281.45	250.11	-102.40	-892.74	-10,673.58	725.18	204.71	520.47	1.393 Level 3, ES, SF		
18,000.00	7,850.00	16,985.00	8,060.83	282.16	249.94	-102.39	-892.77	-10,667.42	725.80	205.19	520.60	1.394 Level 3		
18,100.00	7,850.00	16,985.00	8,060.83	284.84	249.94	-102.39	-892.77	-10,667.42	736.65	221.00	515.65	1.429 Level 3		
18,101.25	7,850.00	16,985.00	8,060.83	284.88	249.94	-102.39	-892.77	-10,667.42	736.87	221.33	515.53	1.429 Level 3		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 3-T4S-R65W - EXIST HZ PROPERTY RESERVE 4-65 3-4 2AH - 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	-39.10	1,345.63	-1,093.50	1,734.03					
100.00	100.00	74.67	74.67	0.13	0.18	-39.10	1,345.65	-1,093.60	1,734.00	1,733.69	0.31	5,543.325		
200.00	199.98	171.06	171.06	0.49	0.52	78.61	1,345.75	-1,094.17	1,734.11	1,733.10	1.01	1,718.462		
300.00	299.87	271.53	271.53	0.85	0.88	78.75	1,346.02	-1,094.61	1,733.69	1,731.96	1.73	1,003.939		
400.00	399.75	370.96	370.96	1.21	1.24	78.91	1,346.45	-1,094.87	1,733.23	1,730.78	2.45	708.680		
500.00	499.63	471.06	471.05	1.58	1.59	79.08	1,346.90	-1,095.08	1,732.78	1,729.61	3.17	546.769		
600.00	599.51	570.96	570.95	1.94	1.95	79.24	1,347.26	-1,095.44	1,732.36	1,728.46	3.89	444.956		
700.00	699.39	670.25	670.24	2.31	2.30	79.38	1,347.27	-1,096.18	1,731.92	1,727.30	4.61	375.302		
800.00	799.27	770.26	770.25	2.68	2.66	79.51	1,347.25	-1,097.11	1,731.58	1,726.24	5.34	324.331		
900.00	899.15	873.11	873.09	3.05	3.02	79.65	1,347.19	-1,097.91	1,731.12	1,725.04	6.07	285.006		
1,000.00	999.03	974.82	974.80	3.42	3.39	79.80	1,347.20	-1,098.36	1,730.52	1,723.72	6.81	254.265		
1,100.00	1,098.91	1,078.09	1,078.07	3.79	3.76	79.96	1,347.14	-1,098.69	1,729.80	1,722.26	7.54	229.368		
1,200.00	1,198.78	1,174.79	1,174.77	4.16	4.10	80.10	1,346.97	-1,099.10	1,729.08	1,720.83	8.25	209.505		
1,300.00	1,298.66	1,275.06	1,275.04	4.52	4.46	80.25	1,346.86	-1,099.60	1,728.46	1,719.48	8.98	192.485		
1,400.00	1,398.54	1,365.79	1,365.77	4.89	4.78	80.37	1,346.92	-1,100.33	1,728.16	1,718.49	9.67	178.650		
1,500.00	1,498.42	1,474.52	1,474.49	5.26	5.17	80.53	1,347.04	-1,101.01	1,727.81	1,717.38	10.43	165.684		
1,600.00	1,598.30	1,581.43	1,581.41	5.63	5.53	80.71	1,347.07	-1,101.01	1,727.04	1,715.88	11.16	154.771		
1,700.00	1,698.18	1,685.26	1,685.23	6.00	5.87	80.89	1,347.16	-1,100.27	1,725.88	1,714.01	11.87	145.384		
1,800.00	1,798.06	1,783.21	1,783.18	6.37	6.20	81.07	1,347.22	-1,099.55	1,724.72	1,712.16	12.57	137.244		
1,900.00	1,897.94	1,881.22	1,881.19	6.74	6.53	81.24	1,347.32	-1,099.13	1,723.80	1,710.53	13.27	129.938		
2,000.00	1,997.82	1,982.71	1,982.68	7.11	6.87	81.42	1,347.29	-1,098.73	1,722.79	1,708.82	13.98	123.246		
2,100.00	2,097.70	2,082.45	2,082.41	7.48	7.21	81.59	1,347.19	-1,098.38	1,721.77	1,707.09	14.69	117.239		
2,200.00	2,197.58	2,179.80	2,179.77	7.84	7.54	81.75	1,347.08	-1,098.15	1,720.83	1,705.44	15.39	111.823		
2,300.00	2,297.46	2,276.81	2,276.78	8.21	7.88	81.91	1,347.09	-1,098.10	1,720.11	1,704.01	16.09	106.883		
2,400.00	2,397.33	2,377.58	2,377.55	8.58	8.23	82.07	1,347.10	-1,098.09	1,719.43	1,702.62	16.81	102.283		
2,500.00	2,497.21	2,477.14	2,477.11	8.95	8.57	82.23	1,347.08	-1,098.05	1,718.72	1,701.20	17.52	98.082		
2,600.00	2,597.09	2,575.29	2,575.25	9.32	8.92	82.39	1,347.11	-1,098.15	1,718.14	1,699.90	18.24	94.219		
2,700.00	2,696.97	2,676.61	2,676.57	9.69	9.27	82.56	1,347.16	-1,098.19	1,717.56	1,698.60	18.96	90.588		
2,800.00	2,796.85	2,777.35	2,777.32	10.06	9.62	82.72	1,347.13	-1,098.19	1,716.91	1,697.23	19.68	87.244		
2,900.00	2,896.73	2,877.26	2,877.23	10.43	9.97	82.88	1,347.11	-1,098.16	1,716.26	1,695.86	20.39	84.153		
3,000.00	2,996.61	2,977.31	2,977.28	10.80	10.31	83.04	1,347.04	-1,098.20	1,715.61	1,694.50	21.11	81.266		
3,100.00	3,096.49	3,075.90	3,075.86	11.17	10.66	83.20	1,347.05	-1,098.14	1,715.00	1,693.18	21.82	78.588		
3,200.00	3,196.37	3,171.38	3,171.35	11.53	10.99	83.36	1,347.19	-1,098.16	1,714.57	1,692.04	22.53	76.116		
3,300.00	3,296.25	3,275.02	3,274.98	11.90	11.35	83.53	1,347.39	-1,098.34	1,714.26	1,691.00	23.26	73.707		
3,400.00	3,396.13	3,377.14	3,377.10	12.27	11.71	83.70	1,347.37	-1,098.33	1,713.69	1,689.71	23.98	71.456		
3,500.00	3,496.01	3,474.41	3,474.38	12.64	12.05	83.86	1,347.41	-1,098.28	1,713.16	1,688.47	24.69	69.384		
3,600.00	3,595.88	3,575.72	3,575.69	13.01	12.40	84.02	1,347.44	-1,098.33	1,712.70	1,687.28	25.42	67.389		
3,700.00	3,695.76	3,679.89	3,679.86	13.38	12.77	84.19	1,347.31	-1,098.30	1,712.07	1,685.93	26.15	65.480		
3,800.00	3,795.64	3,782.06	3,782.03	13.75	13.12	84.36	1,347.01	-1,098.16	1,711.26	1,684.39	26.87	63.688		
3,900.00	3,895.52	3,880.58	3,880.54	14.12	13.46	84.51	1,346.58	-1,098.14	1,710.41	1,682.83	27.58	62.013		
4,000.00	3,995.40	3,975.37	3,975.33	14.49	13.80	84.66	1,346.40	-1,098.22	1,709.83	1,681.55	28.28	60.456		
4,100.00	4,095.28	4,075.87	4,075.83	14.86	14.15	84.82	1,346.35	-1,098.26	1,709.35	1,680.35	29.00	58.937		
4,200.00	4,195.16	4,175.48	4,175.44	15.22	14.50	84.99	1,346.29	-1,098.28	1,708.88	1,679.16	29.72	57.499		
4,300.00	4,295.04	4,274.12	4,274.08	15.59	14.84	85.15	1,346.28	-1,098.30	1,708.46	1,678.03	30.43	56.139		
4,400.00	4,394.92	4,374.53	4,374.49	15.96	15.19	85.31	1,346.31	-1,098.42	1,708.14	1,676.98	31.15	54.832		
4,500.00	4,494.80	4,476.56	4,476.52	16.33	15.55	85.48	1,346.23	-1,098.38	1,707.66	1,675.78	31.88	53.570		
4,600.00	4,594.68	4,575.72	4,575.69	16.70	15.89	85.64	1,346.17	-1,098.31	1,707.19	1,674.59	32.59	52.381		
4,700.00	4,694.56	4,674.77	4,674.73	17.07	16.24	85.80	1,346.13	-1,098.30	1,706.78	1,673.47	33.31	51.245		
4,800.00	4,794.43	4,771.03	4,770.99	17.44	16.57	85.96	1,346.22	-1,098.27	1,706.49	1,672.48	34.01	50.176		
4,900.00	4,894.31	4,870.20	4,870.16	17.81	16.92	86.14	1,346.62	-1,098.12	1,706.41	1,671.69	34.72	49.143		
4,938.56	4,932.83	4,909.42	4,909.38	17.95	17.05	86.21	1,346.75	-1,098.06	1,706.37	1,671.36	35.00	48.751 CC		
5,000.00	4,994.19	4,950.27	4,950.23	18.18	17.19	86.29	1,347.29	-1,097.92	1,706.72	1,671.35	35.37	48.255 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 PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 3-T4S-R65W - EXIST HZ PROPERTY RESERVE 4-65 3-4 2AH - 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	5,094.07	5,025.85	5,025.77	18.55	17.46	86.46	1,349.54	-1,097.43	1,708.60	1,672.60	35.99	47.471		
5,200.00	5,193.95	5,111.26	5,111.08	18.91	17.76	86.71	1,353.54	-1,096.31	1,711.63	1,674.98	36.65	46.701		
5,300.00	5,293.83	5,201.52	5,201.20	19.28	18.07	86.98	1,358.34	-1,094.90	1,715.16	1,677.84	37.33	45.949		
5,400.00	5,393.71	5,277.00	5,276.49	19.65	18.33	87.22	1,363.49	-1,093.75	1,719.99	1,682.05	37.94	45.337		
5,500.00	5,493.59	5,331.48	5,330.73	20.02	18.53	87.42	1,368.52	-1,092.81	1,726.82	1,688.38	38.44	44.923		
5,600.00	5,593.47	5,390.42	5,389.21	20.39	18.73	87.67	1,375.70	-1,091.49	1,736.09	1,697.14	38.94	44.580		
5,700.00	5,693.35	5,451.70	5,449.76	20.76	18.95	87.98	1,384.95	-1,089.62	1,747.61	1,708.17	39.44	44.309		
5,800.00	5,793.23	5,530.80	5,527.50	21.13	19.23	88.44	1,399.08	-1,086.01	1,760.95	1,720.92	40.03	43.988		
5,900.00	5,893.11	5,626.96	5,621.49	21.50	19.58	89.09	1,418.16	-1,079.09	1,775.04	1,734.31	40.73	43.585		
6,000.00	5,992.99	5,733.67	5,725.49	21.87	19.97	89.87	1,439.97	-1,069.30	1,789.04	1,747.55	41.49	43.123		
6,100.00	6,092.86	5,872.75	5,861.30	22.24	20.49	90.87	1,466.48	-1,055.38	1,801.70	1,759.25	42.45	42.448		
6,200.00	6,192.74	5,967.15	5,953.60	22.60	20.85	91.54	1,483.59	-1,045.34	1,813.59	1,770.45	43.14	42.037		
6,300.00	6,292.62	6,048.03	6,032.44	22.97	21.16	92.14	1,499.08	-1,036.11	1,826.37	1,782.61	43.76	41.736		
6,400.00	6,392.50	6,126.00	6,108.18	23.34	21.47	92.75	1,514.99	-1,026.64	1,840.29	1,795.94	44.36	41.488		
6,500.00	6,492.38	6,191.51	6,171.50	23.71	21.73	93.27	1,529.47	-1,018.20	1,855.81	1,810.94	44.87	41.361		
6,600.00	6,592.26	6,259.18	6,236.52	24.08	22.00	93.84	1,545.84	-1,009.01	1,873.24	1,827.86	45.38	41.276		
6,700.00	6,692.14	6,330.30	6,304.54	24.45	22.30	94.45	1,564.09	-999.08	1,892.29	1,846.37	45.91	41.213		
6,800.00	6,792.02	6,401.12	6,371.96	24.82	22.60	95.07	1,583.23	-988.98	1,912.87	1,866.44	46.44	41.192		
6,900.00	6,891.90	6,471.69	6,438.77	25.19	22.91	95.70	1,603.36	-978.42	1,934.99	1,888.04	46.95	41.210		
7,000.00	6,991.78	6,531.44	6,494.93	25.56	23.18	96.25	1,621.37	-968.85	1,958.77	1,911.40	47.37	41.348		
7,100.00	7,091.66	6,598.00	6,557.07	25.93	23.48	96.87	1,642.90	-958.60	1,984.94	1,937.10	47.84	41.491		
7,200.00	7,191.54	6,637.15	6,593.52	26.29	23.66	97.21	1,656.14	-953.24	2,013.15	1,965.10	48.05	41.897		
7,300.00	7,291.41	6,694.35	6,646.86	26.66	23.93	97.66	1,675.85	-947.12	2,043.45	1,995.04	48.41	42.212		
7,400.00	7,390.63	6,773.10	6,720.30	27.05	24.30	74.75	1,703.43	-940.26	2,072.78	2,023.80	48.98	42.317		
7,500.00	7,486.41	6,853.50	6,795.15	27.49	24.69	70.50	1,731.95	-933.20	2,097.01	2,047.38	49.62	42.258		
7,600.00	7,575.82	6,939.41	6,874.92	27.98	25.12	69.11	1,762.67	-924.70	2,115.92	2,065.53	50.39	41.992		
7,700.00	7,656.17	7,008.29	6,939.01	28.54	25.46	68.65	1,787.00	-917.91	2,129.74	2,078.65	51.09	41.688		
7,800.00	7,724.99	7,057.08	6,984.39	29.19	25.71	68.50	1,804.34	-913.38	2,139.66	2,087.93	51.73	41.363		
7,900.00	7,780.22	7,098.56	7,022.96	29.99	25.92	68.70	1,819.15	-909.70	2,146.33	2,093.85	52.48	40.895		
8,000.00	7,820.15	7,127.48	7,049.85	30.95	26.07	68.97	1,829.47	-907.18	2,150.28	2,096.94	53.34	40.311		
8,100.00	7,843.59	7,140.79	7,062.23	32.08	26.14	69.10	1,834.22	-906.03	2,151.98	2,097.70	54.28	39.645		
8,200.00	7,850.00	7,138.06	7,059.69	33.35	26.12	69.03	1,833.25	-906.27	2,151.77	2,096.49	55.28	38.927		
8,207.17	7,850.00	7,137.43	7,059.11	33.45	26.12	69.01	1,833.02	-906.32	2,151.76	2,096.40	55.36	38.871		
8,300.00	7,850.00	7,129.26	7,051.51	34.77	26.08	68.79	1,830.11	-907.03	2,153.74	2,097.37	56.37	38.208		
8,400.00	7,850.00	7,120.40	7,043.27	36.34	26.03	68.56	1,826.95	-907.80	2,160.31	2,102.74	57.57	37.525		
8,500.00	7,850.00	7,111.47	7,034.96	38.03	25.99	68.32	1,823.76	-908.57	2,171.44	2,112.59	58.85	36.899		
8,600.00	7,850.00	7,102.46	7,026.58	39.84	25.94	68.08	1,820.54	-909.36	2,187.05	2,126.87	60.18	36.343		
8,700.00	7,850.00	7,093.38	7,018.14	41.74	25.89	67.84	1,817.30	-910.15	2,207.05	2,145.52	61.53	35.869		
8,800.00	7,850.00	7,084.23	7,009.63	43.72	25.85	67.60	1,814.03	-910.96	2,231.32	2,168.43	62.89	35.482		
8,900.00	7,850.00	7,075.00	7,001.05	45.78	25.80	67.35	1,810.73	-911.78	2,259.72	2,195.50	64.22	35.185		
9,000.00	7,850.00	7,066.00	6,992.69	47.90	25.75	67.12	1,807.52	-912.58	2,292.10	2,226.57	65.53	34.976		
9,100.00	7,850.00	8,698.56	7,780.40	50.08	37.64	88.77	2,135.44	-1,907.89	2,315.33	2,228.75	86.59	26.740		
9,200.00	7,850.00	8,768.00	7,781.80	52.30	38.84	88.81	2,133.05	-1,977.27	2,311.73	2,221.62	90.12	25.652		
9,300.00	7,850.00	8,903.12	7,784.64	54.57	41.34	88.88	2,128.20	-2,112.27	2,308.40	2,213.53	94.86	24.334		
9,400.00	7,850.00	9,069.60	7,788.25	56.87	44.58	88.96	2,117.52	-2,278.35	2,302.00	2,201.74	100.27	22.959		
9,500.00	7,850.00	9,144.40	7,789.91	59.21	46.11	89.00	2,112.29	-2,352.95	2,294.99	2,190.72	104.26	22.012		
9,600.00	7,850.00	9,204.36	7,791.22	61.58	47.37	89.03	2,108.76	-2,412.79	2,289.15	2,181.10	108.06	21.185		
9,700.00	7,850.00	9,241.00	7,792.03	63.97	48.14	89.05	2,107.13	-2,449.39	2,285.28	2,173.85	111.42	20.510		
9,800.00	7,850.00	9,293.33	7,793.17	66.38	49.29	89.08	2,106.06	-2,501.69	2,283.69	2,168.59	115.10	19.841		
9,803.70	7,850.00	9,294.72	7,793.20	66.47	49.32	89.08	2,106.06	-2,503.09	2,283.69	2,168.47	115.22	19.820		
9,900.00	7,850.00	9,335.00	7,794.07	68.82	50.20	89.10	2,106.62	-2,543.35	2,284.96	2,166.43	118.53	19.277		
10,000.00	7,850.00	9,389.85	7,795.24	71.27	51.44	89.13	2,108.60	-2,598.15	2,288.52	2,166.27	122.25	18.720		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference 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		
10,100.00	7,850.00	9,549.34	7,798.66	73.75	55.09	89.22	2,114.45	-2,757.48	2,292.60	2,164.24	128.36	17.860		
10,200.00	7,850.00	9,619.00	7,800.22	76.23	56.71	89.26	2,115.69	-2,827.12	2,294.64	2,162.14	132.50	17.318		
10,300.00	7,850.00	9,684.94	7,801.35	78.73	58.26	89.29	2,117.78	-2,893.01	2,298.10	2,161.53	136.57	16.827		
10,400.00	7,850.00	9,746.23	7,801.86	81.25	59.72	89.30	2,121.22	-2,954.20	2,303.70	2,163.18	140.51	16.395		
10,500.00	7,850.00	9,821.57	7,802.54	83.77	61.52	89.32	2,126.30	-3,029.37	2,310.53	2,165.72	144.81	15.956		
10,600.00	7,850.00	9,895.84	7,803.49	86.30	63.32	89.35	2,132.12	-3,103.40	2,318.43	2,169.35	149.09	15.551		
10,700.00	7,850.00	9,947.32	7,804.19	88.85	64.58	89.36	2,136.93	-3,154.65	2,327.88	2,175.15	152.73	15.242		
10,800.00	7,850.00	9,997.00	7,804.63	91.40	65.80	89.38	2,142.65	-3,204.00	2,339.46	2,183.19	156.27	14.970		
10,900.00	7,850.00	10,066.17	7,804.97	93.96	67.50	89.39	2,151.78	-3,272.56	2,352.74	2,192.38	160.35	14.672		
11,000.00	7,850.00	10,433.59	7,807.81	96.53	76.64	89.46	2,176.77	-3,638.79	2,355.98	2,183.28	172.70	13.642		
11,100.00	7,850.00	10,549.39	7,811.73	99.10	79.55	89.56	2,179.70	-3,754.49	2,358.63	2,180.45	178.17	13.238		
11,200.00	7,850.00	10,823.20	7,820.09	101.68	86.42	89.76	2,173.99	-4,028.05	2,356.19	2,169.23	186.96	12.603		
11,300.00	7,850.00	11,020.55	7,826.47	104.27	91.35	89.92	2,159.12	-4,224.71	2,348.79	2,155.08	193.72	12.125		
11,400.00	7,850.00	11,180.21	7,830.73	106.86	95.31	90.02	2,141.50	-4,383.34	2,337.78	2,138.11	199.67	11.708		
11,500.00	7,850.00	11,268.03	7,832.91	109.45	97.50	90.07	2,130.61	-4,470.45	2,325.52	2,120.91	204.61	11.366		
11,600.00	7,850.00	11,317.00	7,834.10	112.06	98.72	90.10	2,125.15	-4,519.11	2,314.70	2,105.69	209.01	11.075		
11,700.00	7,850.00	11,376.46	7,835.54	114.66	100.22	90.14	2,119.67	-4,578.29	2,305.78	2,092.26	213.52	10.799		
11,800.00	7,850.00	11,412.00	7,836.40	117.27	101.12	90.16	2,117.17	-4,613.73	2,299.21	2,081.67	217.54	10.569		
11,900.00	7,850.00	11,469.32	7,837.74	119.88	102.59	90.20	2,114.47	-4,670.97	2,294.83	2,072.94	221.88	10.342		
12,000.00	7,850.00	11,520.01	7,838.87	122.50	103.90	90.22	2,113.48	-4,721.64	2,292.88	2,066.86	226.02	10.145		
12,083.57	7,850.00	11,581.36	7,840.18	124.69	105.48	90.26	2,113.12	-4,782.97	2,292.47	2,062.61	229.86	9.973		
12,100.00	7,850.00	11,593.42	7,840.42	125.12	105.80	90.26	2,113.12	-4,795.03	2,292.49	2,061.87	230.62	9.941		
12,200.00	7,850.00	11,695.87	7,842.62	127.74	108.46	90.32	2,113.23	-4,897.46	2,292.69	2,056.79	235.90	9.719		
12,300.00	7,850.00	11,797.80	7,844.97	130.37	111.11	90.38	2,113.23	-4,999.36	2,292.79	2,051.62	241.17	9.507		
12,400.00	7,850.00	11,918.31	7,847.99	133.00	114.24	90.45	2,112.23	-5,119.83	2,292.01	2,045.13	246.88	9.284		
12,500.00	7,850.00	12,003.54	7,850.14	135.63	116.46	90.51	2,111.69	-5,205.03	2,291.48	2,039.70	251.78	9.101		
12,600.00	7,850.00	12,104.43	7,852.38	138.26	119.10	90.56	2,111.48	-5,305.89	2,291.38	2,034.33	257.05	8.914		
12,700.00	7,850.00	12,222.18	7,855.14	140.90	122.18	90.63	2,110.40	-5,423.60	2,290.55	2,027.84	262.71	8.719		
12,800.00	7,850.00	12,299.40	7,856.87	143.53	124.20	90.68	2,109.66	-5,500.80	2,289.77	2,022.34	267.44	8.562		
12,803.62	7,850.00	12,301.61	7,856.92	143.63	124.25	90.68	2,109.66	-5,503.02	2,289.77	2,022.18	267.59	8.557		
12,900.00	7,850.00	12,355.00	7,857.90	146.17	125.65	90.70	2,109.99	-5,556.39	2,290.57	2,018.97	271.59	8.434		
13,000.00	7,850.00	12,412.94	7,858.66	148.82	127.18	90.72	2,111.43	-5,614.31	2,293.25	2,017.52	275.73	8.317		
13,100.00	7,850.00	12,530.64	7,859.29	151.46	130.28	90.73	2,116.22	-5,731.90	2,297.56	2,016.06	281.49	8.162		
13,200.00	7,850.00	12,645.86	7,860.10	154.10	133.32	90.75	2,118.95	-5,847.09	2,300.00	2,012.81	287.18	8.009		
13,300.00	7,850.00	12,752.30	7,860.83	156.75	136.13	90.77	2,121.06	-5,953.50	2,302.07	2,009.43	292.64	7.867		
13,400.00	7,850.00	12,859.20	7,861.34	159.40	138.95	90.78	2,123.18	-6,060.38	2,304.16	2,006.06	298.11	7.729		
13,500.00	7,850.00	12,969.21	7,861.66	162.05	141.85	90.79	2,124.24	-6,170.39	2,305.18	2,001.53	303.66	7.591		
13,600.00	7,850.00	13,055.93	7,861.96	164.70	144.14	90.80	2,125.65	-6,257.10	2,306.87	1,998.26	308.61	7.475		
13,700.00	7,850.00	13,150.00	7,862.22	167.36	146.63	90.80	2,127.30	-6,351.15	2,308.73	1,994.98	313.75	7.358		
13,800.00	7,850.00	13,240.73	7,862.40	170.01	149.03	90.81	2,129.40	-6,441.86	2,311.12	1,992.31	318.80	7.249		
13,900.00	7,850.00	13,337.54	7,862.80	172.66	151.60	90.82	2,131.69	-6,538.64	2,313.58	1,989.56	324.02	7.140		
14,000.00	7,850.00	13,423.56	7,863.07	175.32	153.88	90.82	2,134.12	-6,624.63	2,316.50	1,987.56	328.94	7.042		
14,100.00	7,850.00	13,506.59	7,863.43	177.98	156.09	90.83	2,137.00	-6,707.60	2,320.07	1,986.31	333.76	6.951		
14,200.00	7,850.00	13,585.88	7,863.79	180.64	158.19	90.84	2,140.43	-6,786.81	2,324.48	1,986.03	338.45	6.868		
14,300.00	7,850.00	13,683.69	7,864.15	183.30	160.80	90.84	2,145.12	-6,884.51	2,329.37	1,985.67	343.70	6.777		
14,400.00	7,850.00	13,765.14	7,864.46	185.96	162.96	90.85	2,149.40	-6,965.85	2,334.72	1,986.28	348.44	6.701		
14,500.00	7,850.00	13,874.61	7,864.78	188.62	165.88	90.86	2,155.44	-7,075.15	2,340.33	1,986.27	354.06	6.610		
14,600.00	7,850.00	14,057.75	7,865.93	191.28	170.76	90.88	2,162.01	-7,258.16	2,344.13	1,982.35	361.78	6.479		
14,700.00	7,850.00	14,204.77	7,867.29	193.95	174.66	90.91	2,162.10	-7,405.17	2,344.02	1,975.76	368.26	6.365		
14,736.43	7,850.00	14,235.47	7,867.62	194.92	175.48	90.92	2,162.03	-7,435.87	2,343.98	1,973.91	370.06	6.334		
14,800.00	7,850.00	14,283.05	7,868.17	196.61	176.74	90.94	2,162.13	-7,483.45	2,344.18	1,971.12	373.06	6.284		
14,900.00	7,850.00	14,354.66	7,868.92	199.28	178.65	90.95	2,162.96	-7,555.05	2,345.45	1,967.79	377.66	6.210		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 3-T4S-R65W - EXIST HZ PROPERTY RESERVE 4-65 3-4 2AH - 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		
15,000.00	7,850.00	14,422.33	7,869.44	201.94	180.45	90.97	2,164.64	-7,622.70	2,348.03	1,965.94	382.09	6.145		
15,100.00	7,850.00	14,495.76	7,869.84	204.61	182.41	90.97	2,167.40	-7,696.07	2,351.88	1,965.25	386.64	6.083		
15,200.00	7,850.00	14,629.19	7,870.59	207.27	185.97	90.99	2,172.79	-7,829.39	2,356.17	1,963.21	392.95	5.996		
15,300.00	7,850.00	14,933.23	7,872.31	209.94	194.04	91.03	2,167.55	-8,133.28	2,353.99	1,951.40	402.59	5.847		
15,400.00	7,850.00	15,068.76	7,873.21	212.61	197.60	91.06	2,158.25	-8,268.49	2,347.11	1,938.77	408.34	5.748		
15,500.00	7,850.00	15,159.52	7,873.78	215.28	199.99	91.08	2,151.72	-8,359.02	2,340.03	1,926.49	413.54	5.659		
15,600.00	7,850.00	15,242.93	7,874.19	217.95	202.19	91.09	2,146.22	-8,442.24	2,333.54	1,914.90	418.64	5.574		
15,700.00	7,850.00	15,315.23	7,874.63	220.62	204.10	91.10	2,142.06	-8,514.42	2,327.91	1,904.34	423.58	5.496		
15,800.00	7,850.00	15,377.00	7,875.01	223.29	205.73	91.11	2,139.41	-8,576.13	2,323.75	1,895.48	428.27	5.426		
15,900.00	7,850.00	15,438.92	7,875.55	225.96	207.38	91.13	2,137.77	-8,638.03	2,321.23	1,888.37	432.87	5.362		
16,000.00	7,850.00	15,503.96	7,876.46	228.64	209.11	91.15	2,137.16	-8,703.06	2,320.38	1,882.95	437.43	5.305		
16,012.32	7,850.00	15,512.65	7,876.59	228.96	209.34	91.15	2,137.14	-8,711.74	2,320.37	1,882.37	438.00	5.298		
16,100.00	7,850.00	15,574.23	7,877.58	231.31	210.99	91.18	2,137.41	-8,773.31	2,320.86	1,878.83	442.03	5.251		
16,200.00	7,850.00	15,643.13	7,878.66	233.98	212.83	91.20	2,138.57	-8,842.20	2,322.65	1,876.14	446.52	5.202		
16,300.00	7,850.00	15,725.38	7,879.81	236.65	215.03	91.23	2,140.88	-8,924.41	2,325.57	1,874.23	451.34	5.153		
16,400.00	7,850.00	15,915.39	7,882.10	239.33	220.11	91.29	2,143.43	-9,114.36	2,327.17	1,868.13	459.04	5.070		
16,500.00	7,850.00	16,026.46	7,883.56	242.00	223.07	91.32	2,142.12	-9,225.42	2,326.09	1,861.47	464.63	5.006		
16,600.00	7,850.00	16,114.33	7,884.65	244.68	225.41	91.35	2,141.24	-9,313.28	2,325.21	1,855.51	469.70	4.950		
16,647.15	7,850.00	16,147.63	7,885.04	245.94	226.30	91.36	2,141.07	-9,346.57	2,325.03	1,853.14	471.89	4.927		
16,700.00	7,850.00	16,178.60	7,885.42	247.35	227.13	91.37	2,141.18	-9,377.54	2,325.28	1,851.11	474.17	4.904		
16,800.00	7,850.00	16,242.04	7,886.30	250.03	228.83	91.39	2,142.28	-9,440.97	2,327.10	1,848.58	478.52	4.863		
16,900.00	7,850.00	16,321.00	7,887.39	252.70	230.94	91.42	2,144.38	-9,519.89	2,329.91	1,846.67	483.24	4.821		
17,000.00	7,850.00	16,395.85	7,888.30	255.38	232.95	91.44	2,147.11	-9,594.69	2,333.72	1,845.94	487.78	4.784		
17,100.00	7,850.00	16,470.63	7,889.11	258.06	234.96	91.45	2,150.82	-9,669.37	2,338.78	1,846.51	492.27	4.751		
17,200.00	7,850.00	16,624.90	7,891.11	260.73	239.09	91.50	2,157.94	-9,823.46	2,343.70	1,844.30	499.40	4.693		
17,300.00	7,850.00	16,718.18	7,892.27	263.41	241.60	91.52	2,160.96	-9,916.67	2,347.06	1,842.51	504.54	4.652		
17,400.00	7,850.00	16,888.00	7,894.45	266.09	246.15	91.57	2,165.63	-10,086.41	2,350.51	1,838.67	511.84	4.592		
17,500.00	7,850.00	16,952.84	7,895.23	268.77	247.88	91.59	2,166.31	-10,151.24	2,351.73	1,835.46	516.26	4.555		
17,600.00	7,850.00	17,026.42	7,896.07	271.45	249.86	91.61	2,168.27	-10,224.79	2,354.47	1,833.63	520.84	4.521		
17,700.00	7,850.00	17,111.98	7,897.03	274.12	252.15	91.63	2,171.15	-10,310.29	2,357.95	1,832.21	525.74	4.485		
17,800.00	7,850.00	17,197.82	7,897.92	276.80	254.46	91.65	2,174.55	-10,396.06	2,362.02	1,831.39	530.63	4.451		
17,900.00	7,850.00	17,289.08	7,898.78	279.48	256.91	91.67	2,178.71	-10,487.22	2,366.68	1,830.99	535.69	4.418		
18,000.00	7,850.00	17,382.52	7,899.77	282.16	259.42	91.69	2,182.90	-10,580.56	2,371.30	1,830.48	540.82	4.385		
18,100.00	7,850.00	17,453.00	7,900.40	284.84	261.31	91.70	2,187.01	-10,650.92	2,377.15	1,832.04	545.11	4.361		
18,101.25	7,850.00	17,453.00	7,900.40	284.88	261.31	91.70	2,187.01	-10,650.92	2,377.23	1,832.10	545.13	4.361 SF		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 3-T4S-R65W - EXIST HZ PROPERTY RESERVE 4-65 3-4 2BH - 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	-38.07	1,345.27	-1,053.84	1,709.01					
100.00	100.00	78.75	78.75	0.13	0.19	-38.07	1,345.28	-1,053.83	1,708.90	1,708.58	0.33	5,235.300		
200.00	199.98	172.26	172.26	0.49	0.52	79.65	1,345.50	-1,053.99	1,708.87	1,707.86	1.01	1,695.784		
300.00	299.87	273.17	273.17	0.85	0.88	79.80	1,345.81	-1,054.26	1,708.45	1,706.73	1.72	990.647		
400.00	399.75	372.41	372.41	1.21	1.23	79.96	1,346.10	-1,054.53	1,707.99	1,705.54	2.44	698.910		
500.00	499.63	472.14	472.13	1.58	1.59	80.12	1,346.40	-1,054.89	1,707.59	1,704.43	3.17	539.233		
600.00	599.51	573.40	573.39	1.94	1.95	80.28	1,346.61	-1,055.23	1,707.12	1,703.23	3.90	438.227		
700.00	699.39	674.07	674.07	2.31	2.31	80.44	1,346.71	-1,055.68	1,706.65	1,702.03	4.62	369.330		
800.00	799.27	774.77	774.77	2.68	2.66	80.59	1,346.66	-1,056.17	1,706.10	1,700.76	5.35	319.173		
900.00	899.15	875.15	875.14	3.05	3.02	80.73	1,346.58	-1,056.70	1,705.56	1,699.49	6.07	281.033		
1,000.00	999.03	971.48	971.47	3.42	3.36	80.87	1,346.50	-1,057.29	1,705.07	1,698.29	6.78	251.500		
1,100.00	1,098.91	1,073.97	1,073.96	3.79	3.73	81.02	1,346.54	-1,057.93	1,704.70	1,697.19	7.51	226.883		
1,200.00	1,198.78	1,175.84	1,175.83	4.16	4.09	81.17	1,346.31	-1,058.61	1,704.16	1,695.92	8.24	206.722		
1,300.00	1,298.66	1,277.58	1,277.56	4.52	4.45	81.31	1,345.93	-1,059.32	1,703.52	1,694.55	8.97	189.867		
1,400.00	1,398.54	1,378.67	1,378.65	4.89	4.80	81.44	1,345.45	-1,059.98	1,702.79	1,693.09	9.70	175.580		
1,500.00	1,498.42	1,476.93	1,476.90	5.26	5.15	81.57	1,344.95	-1,060.74	1,702.11	1,691.69	10.42	163.428		
1,600.00	1,598.30	1,577.14	1,577.12	5.63	5.51	81.71	1,344.59	-1,061.38	1,701.48	1,690.34	11.14	152.735		
1,700.00	1,698.18	1,679.02	1,678.99	6.00	5.87	81.86	1,344.25	-1,061.88	1,700.79	1,688.92	11.87	143.288		
1,800.00	1,798.06	1,778.35	1,778.32	6.37	6.22	82.01	1,343.95	-1,062.13	1,700.00	1,687.42	12.59	135.037		
1,900.00	1,897.94	1,875.64	1,875.61	6.74	6.57	82.15	1,343.68	-1,062.66	1,699.41	1,686.11	13.30	127.738		
2,000.00	1,997.82	1,975.27	1,975.24	7.11	6.92	82.29	1,343.34	-1,063.36	1,698.89	1,684.86	14.03	121.099		
2,100.00	2,097.70	2,073.57	2,073.54	7.48	7.27	82.42	1,343.00	-1,064.14	1,698.41	1,683.66	14.75	115.150		
2,200.00	2,197.58	2,174.19	2,174.15	7.84	7.63	82.56	1,342.70	-1,065.01	1,698.02	1,682.54	15.48	109.705		
2,300.00	2,297.46	2,278.20	2,278.15	8.21	7.99	82.72	1,342.56	-1,065.30	1,697.43	1,681.23	16.20	104.758		
2,400.00	2,397.33	2,377.22	2,377.18	8.58	8.33	82.88	1,342.52	-1,065.30	1,696.78	1,679.87	16.91	100.323		
2,500.00	2,497.21	2,476.27	2,476.23	8.95	8.68	83.04	1,342.53	-1,065.38	1,696.24	1,678.61	17.63	96.214		
2,600.00	2,597.09	2,577.38	2,577.34	9.32	9.02	83.21	1,342.53	-1,065.37	1,695.64	1,677.30	18.34	92.445		
2,700.00	2,696.97	2,677.33	2,677.28	9.69	9.36	83.37	1,342.53	-1,065.36	1,695.05	1,676.01	19.04	89.005		
2,800.00	2,796.85	2,777.29	2,777.25	10.06	9.69	83.54	1,342.52	-1,065.29	1,694.45	1,674.71	19.75	85.800		
2,900.00	2,896.73	2,876.65	2,876.60	10.43	10.03	83.71	1,342.55	-1,065.23	1,693.90	1,673.44	20.46	82.800		
3,000.00	2,996.61	2,976.28	2,976.23	10.80	10.38	83.87	1,342.55	-1,065.25	1,693.37	1,672.20	21.17	79.980		
3,100.00	3,096.49	3,076.88	3,076.84	11.17	10.72	84.04	1,342.57	-1,065.23	1,692.86	1,670.97	21.89	77.334		
3,200.00	3,196.37	3,175.37	3,175.32	11.53	11.07	84.20	1,342.53	-1,065.26	1,692.35	1,669.75	22.60	74.875		
3,300.00	3,296.25	3,275.99	3,275.95	11.90	11.41	84.37	1,342.62	-1,065.24	1,691.91	1,668.60	23.32	72.559		
3,400.00	3,396.13	3,376.78	3,376.74	12.27	11.76	84.54	1,342.64	-1,065.17	1,691.42	1,667.39	24.03	70.388		
3,500.00	3,496.01	3,475.11	3,475.07	12.64	12.10	84.70	1,342.63	-1,065.17	1,690.95	1,666.21	24.74	68.349		
3,600.00	3,595.88	3,575.06	3,575.02	13.01	12.45	84.86	1,342.63	-1,065.27	1,690.56	1,665.09	25.46	66.392		
3,700.00	3,695.76	3,674.88	3,674.84	13.38	12.81	85.02	1,342.61	-1,065.40	1,690.17	1,663.98	26.19	64.543		
3,800.00	3,795.64	3,776.54	3,776.50	13.75	13.16	85.19	1,342.58	-1,065.41	1,689.74	1,662.83	26.91	62.795		
3,900.00	3,895.52	3,875.76	3,875.72	14.12	13.50	85.36	1,342.56	-1,065.39	1,689.31	1,661.69	27.62	61.170		
4,000.00	3,995.40	3,976.49	3,976.45	14.49	13.85	85.52	1,342.49	-1,065.38	1,688.84	1,660.51	28.33	59.606		
4,100.00	4,095.28	4,073.58	4,073.53	14.86	14.19	85.68	1,342.48	-1,065.45	1,688.50	1,659.45	29.04	58.137		
4,200.00	4,195.16	4,173.98	4,173.93	15.22	14.54	85.85	1,342.53	-1,065.55	1,688.23	1,658.47	29.77	56.715		
4,300.00	4,295.04	4,275.69	4,275.64	15.59	14.90	86.01	1,342.48	-1,065.64	1,687.88	1,657.39	30.50	55.349		
4,400.00	4,394.92	4,376.25	4,376.20	15.96	15.26	86.18	1,342.38	-1,065.69	1,687.49	1,656.27	31.22	54.054		
4,500.00	4,494.80	4,476.02	4,475.98	16.33	15.60	86.34	1,342.25	-1,065.71	1,687.07	1,655.13	31.94	52.827		
4,600.00	4,594.68	4,574.03	4,573.98	16.70	15.95	86.50	1,342.21	-1,065.71	1,686.73	1,654.09	32.65	51.669		
4,700.00	4,694.56	4,673.40	4,673.35	17.07	16.29	86.66	1,342.21	-1,065.86	1,686.51	1,653.15	33.36	50.555		
4,800.00	4,794.43	4,773.41	4,773.37	17.44	16.64	86.83	1,342.29	-1,065.82	1,686.29	1,652.21	34.07	49.489		
4,900.00	4,894.31	4,873.49	4,873.44	17.81	16.98	87.00	1,342.39	-1,065.78	1,686.08	1,651.29	34.79	48.469		
5,000.00	4,994.19	4,974.75	4,974.71	18.18	17.33	87.18	1,342.43	-1,065.72	1,685.84	1,650.34	35.50	47.483		
5,100.00	5,094.07	5,074.43	5,074.39	18.55	17.67	87.34	1,342.44	-1,065.63	1,685.56	1,649.35	36.22	46.539		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 3-T4S-R65W - EXIST HZ PROPERTY RESERVE 4-65 3-4 2BH - 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		
5,200.00	5,193.95	5,172.40	5,172.35	18.91	18.02	87.51	1,342.47	-1,065.62	1,685.37	1,648.44	36.93	45.639		
5,218.17	5,212.10	5,190.16	5,190.12	18.98	18.08	87.54	1,342.50	-1,065.61	1,685.35	1,648.29	37.06	45.479	CC	
5,300.00	5,293.83	5,247.02	5,246.97	19.28	18.27	87.65	1,343.19	-1,065.50	1,685.93	1,648.38	37.55	44.896		
5,400.00	5,393.71	5,319.83	5,319.74	19.65	18.53	87.82	1,345.49	-1,065.00	1,688.14	1,649.98	38.16	44.237		
5,500.00	5,493.59	5,395.18	5,394.93	20.02	18.79	88.08	1,349.97	-1,063.17	1,691.93	1,653.16	38.77	43.637		
5,600.00	5,593.47	5,482.45	5,481.74	20.39	19.09	88.48	1,357.64	-1,058.77	1,696.99	1,657.56	39.43	43.039		
5,700.00	5,693.35	5,690.26	5,686.56	20.76	19.81	89.96	1,378.49	-1,031.62	1,699.94	1,659.38	40.56	41.911		
5,800.00	5,793.23	5,812.24	5,805.36	21.13	20.24	91.09	1,389.25	-1,006.14	1,698.17	1,656.82	41.36	41.063		
5,900.00	5,893.11	5,909.64	5,899.82	21.50	20.60	92.04	1,398.23	-984.15	1,696.57	1,654.49	42.08	40.319		
6,000.00	5,992.99	6,000.13	5,987.65	21.87	20.93	92.92	1,406.47	-963.99	1,695.50	1,652.72	42.78	39.629		
6,061.11	6,054.02	6,052.83	6,038.89	22.09	21.13	93.42	1,411.31	-952.64	1,695.30	1,652.09	43.21	39.235		
6,100.00	6,092.86	6,085.36	6,070.46	22.24	21.25	93.74	1,414.48	-945.48	1,695.39	1,651.91	43.47	38.997		
6,200.00	6,192.74	6,166.28	6,148.75	22.60	21.57	94.56	1,423.14	-926.97	1,696.48	1,652.33	44.15	38.426		
6,300.00	6,292.62	6,249.18	6,228.73	22.97	21.89	95.42	1,433.06	-907.53	1,698.99	1,654.16	44.83	37.897		
6,400.00	6,392.50	6,339.58	6,315.84	23.34	22.26	96.38	1,444.27	-886.14	1,702.39	1,656.84	45.55	37.374		
6,500.00	6,492.38	6,420.20	6,393.29	23.71	22.59	97.25	1,454.95	-866.45	1,706.89	1,660.67	46.22	36.926		
6,600.00	6,592.26	6,487.64	6,457.75	24.08	22.87	98.01	1,465.00	-849.37	1,713.20	1,666.38	46.83	36.587		
6,700.00	6,692.14	6,557.97	6,524.59	24.45	23.18	98.83	1,476.78	-830.95	1,721.57	1,674.14	47.43	36.295		
6,800.00	6,792.02	6,628.38	6,591.10	24.82	23.49	99.68	1,489.72	-811.80	1,731.86	1,683.83	48.03	36.056		
6,900.00	6,891.90	6,698.15	6,656.31	25.19	23.81	100.57	1,503.88	-791.44	1,744.15	1,695.54	48.62	35.875		
7,000.00	6,991.78	6,781.10	6,733.01	25.56	24.21	101.68	1,521.84	-765.47	1,758.06	1,708.77	49.30	35.664		
7,100.00	7,091.66	6,872.11	6,816.27	25.93	24.67	102.96	1,542.18	-734.87	1,773.11	1,723.07	50.04	35.433		
7,200.00	7,191.54	6,956.25	6,892.49	26.29	25.11	104.18	1,561.37	-704.82	1,789.24	1,738.50	50.74	35.263		
7,300.00	7,291.41	7,032.74	6,961.13	26.66	25.53	105.31	1,579.30	-676.25	1,806.83	1,755.45	51.38	35.166		
7,400.00	7,390.63	7,099.79	7,020.76	27.05	25.91	83.78	1,595.64	-650.31	1,824.85	1,772.91	51.94	35.132		
7,500.00	7,486.41	7,157.83	7,072.87	27.49	26.24	80.30	1,610.21	-629.33	1,841.73	1,789.27	52.46	35.108		
7,600.00	7,575.82	7,196.79	7,108.49	27.98	26.44	78.51	1,620.31	-617.21	1,858.01	1,805.20	52.82	35.180		
7,700.00	7,656.17	7,233.90	7,143.23	28.54	26.63	77.31	1,630.31	-608.91	1,874.09	1,820.86	53.23	35.211		
7,800.00	7,724.99	7,259.00	7,167.05	29.19	26.76	76.09	1,637.25	-605.14	1,889.89	1,836.26	53.63	35.237		
7,900.00	7,780.22	7,289.46	7,196.07	29.99	26.89	75.21	1,645.99	-602.04	1,905.49	1,851.24	54.25	35.124		
8,000.00	7,820.15	7,305.80	7,211.61	30.95	26.96	74.07	1,650.88	-600.83	1,921.02	1,866.09	54.94	34.967		
8,100.00	7,843.59	7,315.02	7,220.37	32.08	27.00	72.81	1,653.69	-600.29	1,936.33	1,880.56	55.78	34.715		
8,200.00	7,850.00	7,315.49	7,220.82	33.25	27.01	71.59	1,653.83	-600.27	1,951.23	1,894.50	56.73	34.395		
8,300.00	7,850.00	8,038.63	7,785.91	34.77	28.96	88.72	1,787.04	-942.48	1,964.32	1,900.90	63.42	30.971		
8,400.00	7,850.00	8,140.20	7,821.00	36.34	29.58	89.74	1,790.62	-1,037.67	1,967.66	1,901.94	65.72	29.939		
8,500.00	7,850.00	8,271.29	7,847.02	38.03	30.75	90.50	1,793.19	-1,165.95	1,969.71	1,901.06	68.65	28.691		
8,600.00	7,850.00	8,487.80	7,854.86	39.84	33.35	90.73	1,791.40	-1,382.18	1,969.66	1,896.55	73.11	26.942		
8,700.00	7,850.00	8,580.00	7,855.92	41.74	34.69	90.76	1,786.08	-1,474.22	1,964.12	1,887.78	76.34	25.729		
8,800.00	7,850.00	8,642.09	7,856.50	43.72	35.67	90.78	1,783.21	-1,536.23	1,960.23	1,880.93	79.30	24.719		
8,869.03	7,850.00	8,674.00	7,856.77	45.14	36.17	90.79	1,783.00	-1,568.14	1,959.71	1,878.49	81.21	24.130		
8,900.00	7,850.00	8,674.00	7,856.77	45.78	36.17	90.79	1,783.00	-1,568.14	1,959.95	1,878.12	81.83	23.951		
9,000.00	7,850.00	8,722.98	7,857.26	47.90	37.01	90.80	1,784.17	-1,617.10	1,962.64	1,877.91	84.73	23.163		
9,100.00	7,850.00	8,769.00	7,857.89	50.08	37.81	90.82	1,786.78	-1,663.04	1,968.29	1,880.69	87.60	22.470		
9,200.00	7,850.00	8,967.15	7,860.67	52.30	41.52	90.89	1,797.13	-1,860.88	1,974.52	1,880.84	93.67	21.079		
9,300.00	7,850.00	9,087.94	7,862.38	54.57	43.95	90.94	1,798.94	-1,981.64	1,976.16	1,877.78	98.38	20.086		
9,400.00	7,850.00	9,232.93	7,864.62	56.87	46.98	91.01	1,798.53	-2,126.61	1,976.04	1,872.33	103.71	19.053		
9,500.00	7,850.00	9,347.70	7,866.58	59.21	49.47	91.07	1,796.18	-2,241.33	1,974.08	1,865.57	108.52	18.191		
9,600.00	7,850.00	9,425.51	7,867.99	61.58	51.19	91.11	1,794.86	-2,319.12	1,972.51	1,859.89	112.62	17.515		
9,674.84	7,850.00	9,480.36	7,869.07	63.37	52.42	91.14	1,794.51	-2,373.96	1,972.12	1,856.47	115.65	17.053		
9,700.00	7,850.00	9,498.68	7,869.42	63.97	52.83	91.15	1,794.52	-2,392.28	1,972.17	1,855.50	116.66	16.905		
9,800.00	7,850.00	9,564.29	7,870.65	66.38	54.33	91.18	1,795.17	-2,457.86	1,973.32	1,852.76	120.56	16.368		
9,900.00	7,850.00	9,629.14	7,871.76	68.82	55.82	91.21	1,797.10	-2,522.68	1,976.37	1,851.93	124.44	15.882		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 3-T4S-R65W - EXIST HZ PROPERTY RESERVE 4-65 3-4 2BH - 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		
10,000.00	7,850.00	9,726.23	7,873.40	71.27	58.09	91.26	1,800.92	-2,619.68	1,980.43	1,851.27	129.15	15.334		
10,100.00	7,850.00	9,932.58	7,876.30	73.75	63.00	91.34	1,803.08	-2,825.96	1,981.43	1,844.87	136.56	14.509		
10,181.87	7,850.00	9,987.80	7,877.12	75.78	64.32	91.37	1,802.64	-2,881.17	1,980.87	1,840.93	139.94	14.155		
10,200.00	7,850.00	9,997.00	7,877.26	76.23	64.54	91.37	1,802.64	-2,890.37	1,980.90	1,840.28	140.62	14.087		
10,300.00	7,850.00	9,997.00	7,877.26	78.73	64.54	91.37	1,802.64	-2,890.37	1,983.86	1,840.89	142.97	13.876		
10,400.00	7,850.00	10,041.01	7,877.93	81.25	65.61	91.39	1,804.46	-2,934.32	1,989.59	1,843.26	146.33	13.597		
10,500.00	7,850.00	10,091.00	7,878.63	83.77	66.82	91.40	1,810.82	-2,983.88	2,000.78	1,851.01	149.77	13.359		
10,600.00	7,850.00	10,374.00	7,883.22	86.30	73.78	91.53	1,823.92	-3,266.08	2,002.90	1,843.01	159.89	12.527		
10,700.00	7,850.00	10,374.00	7,883.22	88.85	73.78	91.53	1,823.92	-3,266.08	2,007.04	1,844.84	162.21	12.373		
10,800.00	7,850.00	10,435.84	7,884.08	91.40	75.32	91.55	1,827.66	-3,327.80	2,013.75	1,847.63	166.12	12.122		
10,900.00	7,850.00	10,639.26	7,888.55	93.96	80.43	91.66	1,840.28	-3,530.70	2,020.53	1,846.39	174.14	11.603		
11,000.00	7,850.00	10,997.24	7,893.36	96.53	89.41	91.82	1,824.17	-3,887.73	2,012.58	1,827.77	184.81	10.890		
11,100.00	7,850.00	11,061.69	7,894.15	99.10	91.02	91.84	1,818.61	-3,951.93	2,004.08	1,814.80	189.28	10.588		
11,200.00	7,850.00	11,193.29	7,895.91	101.68	94.33	91.90	1,806.54	-4,082.96	1,994.84	1,799.92	194.91	10.234		
11,300.00	7,850.00	11,238.94	7,896.50	104.27	95.49	91.93	1,802.89	-4,128.46	1,986.97	1,787.91	199.07	9.981		
11,400.00	7,850.00	11,285.59	7,897.07	106.86	96.67	91.94	1,800.42	-4,175.04	1,981.81	1,778.68	203.13	9.756		
11,500.00	7,850.00	11,333.26	7,897.60	109.45	97.89	91.96	1,799.17	-4,222.69	1,979.30	1,772.20	207.10	9.557		
11,547.30	7,850.00	11,357.00	7,897.83	110.68	98.50	91.97	1,799.01	-4,246.43	1,979.04	1,770.07	208.97	9.471		
11,600.00	7,850.00	11,387.76	7,898.14	112.06	99.30	91.98	1,799.16	-4,277.18	1,979.35	1,768.22	211.13	9.375		
11,700.00	7,850.00	11,451.00	7,898.84	114.66	100.93	92.00	1,800.43	-4,340.41	1,981.44	1,766.13	215.31	9.203		
11,800.00	7,850.00	11,597.72	7,900.80	117.27	104.73	92.05	1,801.77	-4,487.10	1,982.15	1,760.39	221.76	8.938		
11,900.00	7,850.00	11,678.59	7,901.75	119.88	106.83	92.08	1,802.59	-4,567.96	1,983.28	1,756.82	226.46	8.758		
12,000.00	7,850.00	11,810.77	7,903.16	122.50	110.26	92.12	1,804.22	-4,700.12	1,984.83	1,752.32	232.50	8.537		
12,043.91	7,850.00	11,853.69	7,903.54	123.65	111.38	92.13	1,804.05	-4,743.04	1,984.70	1,749.93	234.77	8.454		
12,100.00	7,850.00	11,892.43	7,903.92	125.12	112.39	92.14	1,804.17	-4,781.78	1,984.95	1,747.70	237.25	8.367		
12,200.00	7,850.00	12,027.75	7,905.34	127.74	115.92	92.18	1,804.71	-4,917.09	1,985.67	1,742.31	243.36	8.159		
12,204.95	7,850.00	12,037.05	7,905.43	127.87	116.16	92.18	1,804.61	-4,926.38	1,985.62	1,741.90	243.73	8.147		
12,300.00	7,850.00	12,071.27	7,905.80	130.37	117.05	92.19	1,805.07	-4,960.60	1,986.38	1,739.25	247.13	8.038		
12,400.00	7,850.00	12,112.00	7,906.26	133.00	118.12	92.20	1,806.22	-5,001.31	1,989.61	1,738.99	250.62	7.939		
12,500.00	7,850.00	12,151.75	7,906.71	135.63	119.16	92.21	1,808.53	-5,040.98	1,995.84	1,741.98	253.86	7.862		
12,600.00	7,850.00	12,206.00	7,907.27	138.26	120.58	92.22	1,814.23	-5,094.93	2,005.75	1,748.32	257.44	7.791		
12,700.00	7,850.00	12,227.62	7,907.48	140.90	121.14	92.23	1,817.16	-5,116.34	2,018.20	1,758.67	259.53	7.776		
12,800.00	7,850.00	12,300.00	7,908.28	143.53	123.03	92.24	1,828.03	-5,187.90	2,033.21	1,769.63	263.58	7.714		
12,900.00	7,850.00	12,634.03	7,911.80	146.17	131.81	92.30	1,855.26	-5,520.47	2,038.40	1,760.86	277.54	7.345		
13,000.00	7,850.00	12,773.33	7,913.38	148.82	135.48	92.34	1,859.09	-5,659.70	2,041.27	1,757.34	283.93	7.189		
13,100.00	7,850.00	12,950.23	7,915.82	151.46	140.14	92.41	1,858.15	-5,836.57	2,040.55	1,749.44	291.11	7.010		
13,200.00	7,850.00	13,074.77	7,917.75	154.10	143.41	92.47	1,854.89	-5,961.05	2,038.08	1,741.19	296.89	6.865		
13,300.00	7,850.00	13,182.74	7,919.40	156.75	146.25	92.52	1,851.09	-6,068.95	2,034.71	1,732.39	302.31	6.730		
13,400.00	7,850.00	13,274.54	7,920.64	159.40	148.66	92.56	1,847.99	-6,160.68	2,031.48	1,724.06	307.41	6.608		
13,500.00	7,850.00	13,369.05	7,921.90	162.05	151.15	92.60	1,845.16	-6,255.14	2,028.63	1,716.06	312.57	6.490		
13,600.00	7,850.00	13,465.08	7,923.15	164.70	153.68	92.64	1,842.38	-6,351.13	2,025.89	1,708.13	317.76	6.375		
13,700.00	7,850.00	13,700.00	7,925.73	167.36	159.85	92.72	1,834.18	-6,553.01	2,023.19	1,697.55	325.64	6.213		
13,800.00	7,850.00	13,811.00	7,927.22	170.01	162.74	92.78	1,820.51	-6,696.13	2,013.53	1,683.01	330.52	6.092		
13,900.00	7,850.00	13,877.67	7,927.76	172.66	164.48	92.81	1,814.46	-6,762.52	2,004.58	1,669.18	335.41	5.977		
14,000.00	7,850.00	13,948.54	7,928.33	175.32	166.33	92.83	1,809.13	-6,833.18	1,997.18	1,656.90	340.29	5.869		
14,100.00	7,850.00	14,000.00	7,928.84	177.98	167.68	92.85	1,805.84	-6,884.54	1,991.30	1,646.53	344.77	5.776		
14,200.00	7,850.00	14,066.28	7,929.39	180.64	169.43	92.87	1,802.98	-6,950.75	1,987.36	1,637.97	349.40	5.688		
14,300.00	7,850.00	14,116.66	7,929.61	183.30	170.77	92.88	1,802.23	-7,001.12	1,986.00	1,632.46	353.54	5.618		
14,303.94	7,850.00	14,118.60	7,929.62	183.40	170.82	92.88	1,802.23	-7,003.07	1,986.00	1,632.30	353.70	5.615		
14,400.00	7,850.00	14,166.09	7,929.76	185.96	172.08	92.88	1,802.76	-7,050.56	1,987.17	1,629.73	357.44	5.559		
14,500.00	7,850.00	14,215.22	7,929.87	188.62	173.39	92.88	1,804.54	-7,099.65	1,990.89	1,629.78	361.11	5.513		
14,600.00	7,850.00	14,263.99	7,929.97	191.28	174.68	92.88	1,807.56	-7,148.33	1,997.17	1,632.62	364.54	5.479		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 3-T4S-R65W - EXIST HZ PROPERTY RESERVE 4-65 3-4 2BH - 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		
14,700.00	7,850.00	14,344.19	7,930.15	193.95	176.82	92.88	1,814.25	-7,228.24	2,005.53	1,636.46	369.07	5.434		
14,800.00	7,850.00	14,457.81	7,930.50	196.61	179.85	92.87	1,823.53	-7,341.48	2,013.80	1,638.85	374.95	5.371		
14,900.00	7,850.00	14,589.08	7,931.06	199.28	183.35	92.88	1,832.82	-7,472.42	2,021.01	1,639.54	381.47	5.298		
15,000.00	7,850.00	14,691.15	7,931.34	201.94	186.07	92.88	1,838.27	-7,574.34	2,026.43	1,639.56	386.87	5.238		
15,100.00	7,850.00	14,756.00	7,931.48	204.61	187.80	92.87	1,843.31	-7,638.99	2,034.00	1,643.15	390.85	5.204		
15,200.00	7,850.00	15,172.23	7,933.54	207.27	198.84	92.93	1,845.74	-8,054.15	2,036.48	1,632.35	404.12	5.039		
15,300.00	7,850.00	15,246.41	7,933.90	209.94	200.80	92.94	1,840.57	-8,128.15	2,029.59	1,620.47	409.12	4.961		
15,400.00	7,850.00	15,322.00	7,934.41	212.61	202.79	92.96	1,835.78	-8,203.59	2,023.49	1,609.41	414.08	4.887		
15,500.00	7,850.00	15,392.23	7,934.82	215.28	204.65	92.98	1,832.27	-8,273.72	2,018.75	1,599.85	418.90	4.819		
15,600.00	7,850.00	15,452.25	7,934.98	217.95	206.25	92.99	1,830.59	-8,333.72	2,016.05	1,592.62	423.43	4.761		
15,700.00	7,850.00	15,515.47	7,935.21	220.62	207.93	93.00	1,830.08	-8,396.93	2,015.32	1,587.44	427.88	4.710		
15,742.90	7,850.00	15,569.57	7,935.45	221.77	209.37	93.00	1,829.93	-8,451.04	2,015.25	1,584.80	430.45	4.682		
15,800.00	7,850.00	15,635.43	7,935.75	223.29	211.13	93.01	1,829.38	-8,516.89	2,014.82	1,581.13	433.70	4.646		
15,900.00	7,850.00	15,724.84	7,936.24	225.96	213.51	93.03	1,828.49	-8,606.29	2,013.97	1,575.21	438.77	4.590		
15,920.75	7,850.00	15,738.45	7,936.32	226.52	213.87	93.03	1,828.45	-8,619.90	2,013.94	1,574.24	439.70	4.580		
16,000.00	7,850.00	15,794.00	7,936.65	228.64	215.36	93.04	1,828.78	-8,675.45	2,014.48	1,571.19	443.29	4.544		
16,100.00	7,850.00	15,867.01	7,937.07	231.31	217.31	93.05	1,830.15	-8,748.45	2,016.42	1,568.60	447.83	4.503		
16,200.00	7,850.00	15,936.19	7,937.46	233.98	219.16	93.06	1,832.28	-8,817.59	2,019.65	1,567.49	452.16	4.467		
16,300.00	7,850.00	16,007.22	7,937.90	236.65	221.06	93.06	1,835.66	-8,888.54	2,024.48	1,568.03	456.45	4.435		
16,400.00	7,850.00	16,088.05	7,938.28	239.33	223.23	93.07	1,840.34	-8,969.24	2,030.39	1,569.33	461.06	4.404		
16,500.00	7,850.00	16,161.78	7,938.76	242.00	225.20	93.07	1,845.45	-9,042.78	2,037.43	1,572.11	465.32	4.379		
16,600.00	7,850.00	16,334.41	7,939.99	244.68	229.83	93.09	1,855.47	-9,215.11	2,043.37	1,569.91	473.46	4.316		
16,700.00	7,850.00	16,465.63	7,940.83	247.35	233.34	93.11	1,859.61	-9,346.26	2,046.61	1,566.79	479.82	4.265		
16,800.00	7,850.00	16,511.83	7,941.16	250.03	234.58	93.11	1,861.52	-9,392.42	2,050.68	1,567.35	483.33	4.243		
16,900.00	7,850.00	16,579.97	7,941.60	252.70	236.41	93.12	1,865.79	-9,460.43	2,056.93	1,569.50	487.43	4.220		
17,000.00	7,850.00	16,705.12	7,942.36	255.38	239.76	93.13	1,873.58	-9,585.32	2,063.32	1,569.55	493.77	4.179		
17,100.00	7,850.00	17,056.27	7,944.48	258.06	249.13	93.19	1,871.36	-9,936.18	2,062.93	1,557.96	504.97	4.085		
17,200.00	7,850.00	17,155.15	7,945.04	260.73	251.75	93.22	1,864.35	-10,034.81	2,055.97	1,545.71	510.26	4.029		
17,300.00	7,850.00	17,210.00	7,945.40	263.41	253.20	93.23	1,860.93	-10,089.55	2,050.14	1,535.08	515.06	3.980		
17,400.00	7,850.00	17,274.34	7,945.84	266.09	254.92	93.25	1,858.18	-10,153.83	2,046.21	1,526.40	519.81	3.936		
17,500.00	7,850.00	17,449.55	7,946.90	268.77	259.58	93.29	1,851.25	-10,328.87	2,042.90	1,516.75	526.15	3.883		
17,600.00	7,850.00	17,532.63	7,947.50	271.45	261.78	93.32	1,845.67	-10,411.76	2,036.43	1,505.14	531.29	3.833		
17,700.00	7,850.00	17,587.00	7,947.89	274.12	263.23	93.33	1,843.21	-10,466.07	2,032.03	1,496.04	535.99	3.791		
17,800.00	7,850.00	17,635.63	7,948.21	276.80	264.53	93.34	1,842.17	-10,514.69	2,030.01	1,489.71	540.30	3.757		
17,830.38	7,850.00	17,650.49	7,948.30	277.62	264.92	93.34	1,842.09	-10,529.55	2,029.89	1,488.35	541.55	3.748		
17,900.00	7,850.00	17,681.00	7,948.47	279.48	265.74	93.35	1,842.29	-10,560.05	2,030.51	1,486.33	544.18	3.731		
18,000.00	7,850.00	17,746.19	7,948.82	282.16	267.49	93.36	1,843.92	-10,625.23	2,033.17	1,484.79	548.39	3.708 ES		
18,100.00	7,850.00	17,798.43	7,949.11	284.84	268.89	93.36	1,846.27	-10,677.41	2,037.88	1,485.96	551.92	3.692		
18,101.25	7,850.00	17,798.98	7,949.11	284.88	268.90	93.36	1,846.30	-10,677.96	2,037.95	1,486.00	551.95	3.692 SF		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 3-T4S-R65W - EXIST HZ PROPERTY RESERVE 4-65 3-4 2CH - 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	-37.00	1,345.27	-1,013.62	1,684.51					
100.00	100.00	75.22	75.22	0.13	0.18	-37.00	1,345.28	-1,013.72	1,684.47	1,684.15	0.31	5,352.007		
200.00	199.98	175.55	175.55	0.49	0.54	80.72	1,345.36	-1,014.17	1,684.52	1,683.49	1.02	1,643.964		
300.00	299.87	279.05	279.05	0.85	0.90	80.88	1,345.46	-1,014.30	1,683.93	1,682.18	1.75	962.497		
400.00	399.75	379.54	379.54	1.21	1.25	81.05	1,345.51	-1,014.23	1,683.16	1,680.69	2.46	683.648		
500.00	499.63	477.24	477.24	1.58	1.59	81.21	1,345.62	-1,014.19	1,682.46	1,679.29	3.17	530.486		
600.00	599.51	575.57	575.57	1.94	1.94	81.38	1,345.84	-1,014.23	1,681.92	1,678.03	3.89	432.422		
700.00	699.39	681.46	681.46	2.31	2.32	81.56	1,346.08	-1,014.13	1,681.32	1,676.69	4.63	363.100		
800.00	799.27	788.93	788.93	2.68	2.69	81.75	1,345.97	-1,013.56	1,680.22	1,674.85	5.37	312.926		
900.00	899.15	891.61	891.60	3.05	3.04	81.94	1,345.72	-1,012.73	1,678.84	1,672.75	6.09	275.581		
1,000.00	999.03	986.32	986.31	3.42	3.37	82.11	1,345.44	-1,012.12	1,677.54	1,670.75	6.79	247.077		
1,100.00	1,098.91	1,082.04	1,082.03	3.79	3.71	82.28	1,345.35	-1,011.73	1,676.56	1,669.07	7.49	223.726		
1,200.00	1,198.78	1,183.79	1,183.78	4.16	4.07	82.46	1,345.30	-1,011.36	1,675.66	1,667.44	8.22	203.829		
1,300.00	1,298.66	1,276.54	1,276.52	4.52	4.39	82.62	1,345.47	-1,011.05	1,674.98	1,666.06	8.92	187.804		
1,400.00	1,398.54	1,377.23	1,377.22	4.89	4.75	82.80	1,345.74	-1,010.84	1,674.46	1,664.81	9.65	173.595		
1,500.00	1,498.42	1,477.67	1,477.66	5.26	5.11	82.98	1,345.88	-1,010.70	1,673.88	1,663.51	10.37	161.382		
1,600.00	1,598.30	1,577.00	1,576.99	5.63	5.46	83.15	1,346.05	-1,010.62	1,673.38	1,662.28	11.09	150.832		
1,700.00	1,698.18	1,680.82	1,680.80	6.00	5.83	83.33	1,346.15	-1,010.41	1,672.76	1,660.93	11.83	141.372		
1,800.00	1,798.06	1,781.97	1,781.95	6.37	6.19	83.52	1,346.28	-1,009.76	1,671.94	1,659.38	12.56	133.104		
1,900.00	1,897.94	1,879.48	1,879.46	6.74	6.54	83.70	1,346.44	-1,009.24	1,671.23	1,657.95	13.28	125.868		
2,000.00	1,997.82	1,977.95	1,977.93	7.11	6.89	83.88	1,346.66	-1,008.83	1,670.65	1,656.65	14.00	119.349		
2,100.00	2,097.70	2,078.16	2,078.14	7.48	7.25	84.06	1,346.85	-1,008.52	1,670.12	1,655.40	14.72	113.422		
2,200.00	2,197.58	2,177.66	2,177.64	7.84	7.61	84.24	1,347.00	-1,008.24	1,669.59	1,654.14	15.45	108.070		
2,300.00	2,297.46	2,277.04	2,277.02	8.21	7.96	84.41	1,347.08	-1,008.13	1,669.11	1,652.94	16.17	103.222		
2,400.00	2,397.33	2,377.49	2,377.47	8.58	8.30	84.58	1,347.06	-1,008.16	1,668.65	1,651.76	16.88	98.825		
2,500.00	2,497.21	2,477.38	2,477.36	8.95	8.65	84.75	1,347.05	-1,008.13	1,668.16	1,650.56	17.60	94.777		
2,600.00	2,597.09	2,576.62	2,576.60	9.32	9.00	84.92	1,347.10	-1,008.09	1,667.73	1,649.41	18.32	91.023		
2,700.00	2,696.97	2,676.88	2,676.86	9.69	9.36	85.09	1,347.11	-1,008.09	1,667.31	1,648.27	19.05	87.540		
2,800.00	2,796.85	2,776.63	2,776.61	10.06	9.71	85.25	1,347.11	-1,008.08	1,666.90	1,647.13	19.77	84.318		
2,900.00	2,896.73	2,876.29	2,876.27	10.43	10.07	85.42	1,347.15	-1,008.05	1,666.51	1,646.02	20.49	81.321		
3,000.00	2,996.61	2,975.64	2,975.62	10.80	10.42	85.59	1,347.21	-1,008.02	1,666.16	1,644.95	21.21	78.544		
3,100.00	3,096.49	3,075.77	3,075.75	11.17	10.77	85.76	1,347.27	-1,008.03	1,665.85	1,643.91	21.93	75.950		
3,200.00	3,196.37	3,175.58	3,175.56	11.53	11.12	85.93	1,347.33	-1,007.99	1,665.52	1,642.87	22.65	73.526		
3,300.00	3,296.25	3,275.14	3,275.12	11.90	11.46	86.10	1,347.36	-1,008.04	1,665.23	1,641.87	23.36	71.273		
3,400.00	3,396.13	3,375.88	3,375.86	12.27	11.81	86.27	1,347.39	-1,008.07	1,664.95	1,640.87	24.08	69.135		
3,500.00	3,496.01	3,475.92	3,475.90	12.64	12.16	86.44	1,347.39	-1,008.07	1,664.64	1,639.83	24.80	67.112		
3,600.00	3,595.88	3,576.92	3,576.90	13.01	12.52	86.61	1,347.36	-1,008.06	1,664.31	1,638.78	25.52	65.203		
3,700.00	3,695.76	3,676.71	3,676.69	13.38	12.86	86.77	1,347.28	-1,008.07	1,663.96	1,637.72	26.23	63.429		
3,800.00	3,795.64	3,777.03	3,777.01	13.75	13.20	86.94	1,347.17	-1,008.11	1,663.61	1,636.67	26.94	61.749		
3,900.00	3,895.52	3,877.49	3,877.47	14.12	13.54	87.11	1,347.02	-1,008.13	1,663.24	1,635.59	27.65	60.149		
4,000.00	3,995.40	3,975.64	3,975.62	14.49	13.87	87.27	1,346.93	-1,008.16	1,662.94	1,634.58	28.35	58.648		
4,100.00	4,095.28	4,075.40	4,075.38	14.86	14.21	87.44	1,346.88	-1,008.21	1,662.69	1,633.63	29.06	57.212		
4,200.00	4,195.16	4,174.30	4,174.28	15.22	14.54	87.60	1,346.85	-1,008.27	1,662.48	1,632.72	29.77	55.849		
4,300.00	4,295.04	4,274.05	4,274.03	15.59	14.89	87.77	1,346.88	-1,008.41	1,662.38	1,631.90	30.48	54.545		
4,400.00	4,394.92	4,376.12	4,376.10	15.96	15.24	87.94	1,346.78	-1,008.50	1,662.15	1,630.95	31.20	53.281		
4,500.00	4,494.80	4,478.54	4,478.52	16.33	15.59	88.10	1,346.59	-1,008.60	1,661.87	1,629.95	31.92	52.070		
4,600.00	4,594.68	4,574.91	4,574.89	16.70	15.92	88.25	1,346.20	-1,008.80	1,661.47	1,628.85	32.62	50.937		
4,626.70	4,621.34	4,598.83	4,598.81	16.80	16.00	88.30	1,346.25	-1,008.74	1,661.45	1,628.65	32.80	50.654		
4,700.00	4,694.56	4,671.54	4,671.51	17.07	16.26	88.44	1,346.61	-1,008.44	1,661.51	1,628.18	33.33	49.856		
4,800.00	4,794.43	4,772.48	4,772.46	17.44	16.62	88.61	1,346.80	-1,008.35	1,661.50	1,627.45	34.05	48.795		
4,823.81	4,818.21	4,796.21	4,796.18	17.53	16.70	88.65	1,346.83	-1,008.34	1,661.50	1,627.28	34.22	48.550		
4,900.00	4,894.31	4,872.17	4,872.15	17.81	16.97	88.79	1,346.96	-1,008.30	1,661.51	1,626.74	34.77	47.784		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 3-T4S-R65W - EXIST HZ PROPERTY RESERVE 4-65 3-4 2CH - 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		
5,000.00	4,994.19	4,973.56	4,973.54	18.18	17.32	88.96	1,347.10	-1,008.24	1,661.50	1,626.01	35.49	46.811		
5,100.00	5,094.07	5,074.69	5,074.67	18.55	17.67	89.13	1,347.08	-1,008.26	1,661.41	1,625.20	36.21	45.880		
5,200.00	5,193.95	5,174.65	5,174.62	18.91	18.02	89.30	1,347.03	-1,008.24	1,661.30	1,624.37	36.93	44.987		
5,300.00	5,293.83	5,275.04	5,275.02	19.28	18.37	89.47	1,346.97	-1,008.23	1,661.18	1,623.54	37.65	44.126		
5,353.63	5,347.40	5,326.69	5,326.66	19.48	18.55	89.56	1,347.01	-1,008.12	1,661.15	1,623.12	38.02	43.687		
5,400.00	5,393.71	5,371.19	5,371.17	19.65	18.70	89.65	1,347.24	-1,007.78	1,661.17	1,622.82	38.35	43.316		
5,500.00	5,493.59	5,465.89	5,465.82	20.02	19.04	89.91	1,348.81	-1,005.43	1,661.45	1,622.40	39.05	42.543		
5,600.00	5,593.47	5,581.18	5,580.85	20.39	19.45	90.36	1,352.37	-998.76	1,661.55	1,621.72	39.83	41.716		
5,700.00	5,693.35	5,705.02	5,704.07	20.76	19.89	90.99	1,356.51	-987.23	1,660.32	1,619.69	40.63	40.863		
5,800.00	5,793.23	5,822.88	5,820.99	21.13	20.31	91.69	1,360.57	-972.91	1,658.11	1,616.69	41.41	40.039		
5,900.00	5,893.11	5,958.46	5,954.91	21.50	20.80	92.63	1,364.73	-952.23	1,654.43	1,612.19	42.24	39.167		
6,000.00	5,992.99	6,064.92	6,059.64	21.87	21.19	93.45	1,367.83	-933.37	1,649.85	1,606.86	42.99	38.375		
6,100.00	6,092.86	6,205.42	6,197.04	22.24	21.71	94.66	1,371.22	-904.31	1,643.98	1,600.15	43.83	37.508		
6,200.00	6,192.74	6,339.98	6,327.34	22.60	22.23	95.99	1,372.93	-870.77	1,635.74	1,591.09	44.66	36.630		
6,300.00	6,292.62	6,434.22	6,418.14	22.97	22.61	96.98	1,373.44	-845.55	1,626.74	1,581.33	45.41	35.824		
6,400.00	6,392.50	6,505.00	6,486.24	23.34	22.90	97.75	1,375.09	-826.35	1,619.64	1,573.53	46.11	35.123		
6,500.00	6,492.38	6,561.89	6,540.86	23.71	23.13	98.40	1,377.68	-810.65	1,614.91	1,568.14	46.77	34.529		
6,600.00	6,592.26	6,634.62	6,610.41	24.08	23.44	99.27	1,382.47	-789.94	1,612.47	1,565.00	47.46	33.975		
6,696.68	6,688.82	6,710.98	6,682.82	24.44	23.77	100.26	1,388.75	-766.53	1,611.64	1,563.49	48.15	33.471 CC		
6,700.00	6,692.14	6,713.36	6,685.06	24.45	23.78	100.29	1,388.97	-765.77	1,611.65	1,563.47	48.17	33.455		
6,800.00	6,792.02	6,788.00	6,755.20	24.82	24.11	101.32	1,396.54	-741.40	1,612.78	1,563.92	48.87	33.004		
6,900.00	6,891.90	6,852.10	6,814.92	25.19	24.41	102.24	1,404.26	-719.42	1,616.15	1,566.65	49.50	32.649		
7,000.00	6,991.78	6,936.69	6,893.11	25.56	24.81	103.51	1,415.77	-689.27	1,621.67	1,571.43	50.24	32.278		
7,100.00	7,091.66	7,033.48	6,983.00	25.93	25.28	104.92	1,428.43	-655.70	1,628.00	1,576.94	51.06	31.886		
7,200.00	7,191.54	7,116.24	7,061.74	26.29	25.66	105.93	1,438.18	-632.38	1,635.25	1,583.49	51.76	31.592		
7,300.00	7,291.41	7,188.49	7,132.85	26.66	25.96	106.44	1,445.60	-622.26	1,644.10	1,591.74	52.37	31.395		
7,400.00	7,390.63	7,260.00	7,203.77	27.05	26.23	85.04	1,453.49	-617.87	1,653.77	1,600.82	52.95	31.232		
7,500.00	7,486.41	7,306.56	7,249.98	27.49	26.39	81.70	1,459.15	-617.98	1,662.41	1,609.03	53.38	31.141		
7,600.00	7,575.82	7,376.12	7,318.61	27.98	26.60	80.79	1,468.08	-624.51	1,670.35	1,616.34	54.01	30.928		
7,700.00	7,656.17	7,494.76	7,431.26	28.54	26.91	81.18	1,478.10	-659.19	1,674.56	1,619.57	54.99	30.450		
7,800.00	7,724.99	7,543.00	7,474.33	29.19	27.02	81.18	1,480.89	-680.70	1,676.80	1,621.14	55.66	30.124		
7,900.00	7,780.22	7,605.67	7,527.28	29.99	27.17	81.64	1,485.00	-713.90	1,678.63	1,622.04	56.59	29.664		
8,000.00	7,820.15	7,638.00	7,553.12	30.95	27.25	81.79	1,487.74	-733.14	1,681.37	1,623.84	57.52	29.229		
8,100.00	7,843.59	7,686.46	7,589.91	32.08	27.39	82.32	1,492.76	-764.26	1,685.07	1,626.27	58.79	28.661		
8,200.00	7,850.00	7,957.09	7,743.27	33.35	28.61	87.06	1,508.02	-983.02	1,688.35	1,626.51	61.85	27.299		
8,300.00	7,850.00	8,015.00	7,760.08	34.77	29.01	87.62	1,506.74	-1,038.39	1,684.71	1,621.04	63.67	26.461		
8,375.02	7,850.00	8,051.19	7,767.04	35.95	29.32	87.86	1,506.57	-1,073.89	1,683.83	1,618.70	65.13	25.852		
8,400.00	7,850.00	8,063.39	7,768.76	36.34	29.42	87.92	1,506.67	-1,085.97	1,683.93	1,618.31	65.62	25.662		
8,500.00	7,850.00	8,121.15	7,772.77	38.03	29.93	88.06	1,508.16	-1,143.54	1,686.18	1,618.40	67.79	24.875		
8,600.00	7,850.00	8,330.61	7,774.01	39.84	32.34	88.10	1,507.93	-1,352.92	1,686.06	1,613.98	72.08	23.391		
8,700.00	7,850.00	8,414.34	7,774.96	41.74	33.50	88.13	1,505.58	-1,436.62	1,683.30	1,608.15	75.15	22.400		
8,800.00	7,850.00	8,496.25	7,776.48	43.72	34.75	88.18	1,504.22	-1,518.50	1,681.65	1,603.28	78.38	21.456		
8,900.00	7,850.00	8,600.38	7,778.72	45.78	36.48	88.25	1,502.87	-1,622.60	1,680.38	1,598.21	82.17	20.451		
9,000.00	7,850.00	8,702.20	7,780.97	47.90	38.28	88.33	1,501.24	-1,724.38	1,678.80	1,592.70	86.10	19.497		
9,100.00	7,850.00	8,793.15	7,783.04	50.08	39.99	88.40	1,500.13	-1,815.30	1,677.60	1,587.62	89.99	18.643		
9,200.00	7,850.00	8,887.19	7,785.07	52.30	41.83	88.47	1,499.26	-1,909.32	1,676.71	1,582.66	94.05	17.827		
9,261.35	7,850.00	8,938.10	7,786.17	53.69	42.86	88.51	1,499.08	-1,960.21	1,676.52	1,580.05	96.47	17.379		
9,300.00	7,850.00	8,971.24	7,786.89	54.57	43.53	88.53	1,499.14	-1,993.35	1,676.59	1,578.57	98.02	17.105		
9,400.00	7,850.00	9,068.92	7,789.10	56.87	45.58	88.61	1,499.70	-2,091.00	1,677.19	1,574.82	102.37	16.384		
9,500.00	7,850.00	9,186.57	7,791.63	59.21	48.12	88.69	1,498.88	-2,208.61	1,676.43	1,569.17	107.26	15.630		
9,537.05	7,850.00	9,213.87	7,792.12	60.09	48.71	88.71	1,498.79	-2,235.92	1,676.32	1,567.59	108.73	15.417		
9,600.00	7,850.00	9,242.00	7,792.56	61.58	49.33	88.72	1,498.86	-2,264.04	1,676.77	1,565.97	110.80	15.134		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 3-T4S-R65W - EXIST HZ PROPERTY RESERVE 4-65 3-4 2CH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,700.00	7,850.00	9,309.83	7,793.71	63.97	50.85	88.76	1,500.38	-2,331.84	1,679.30	1,564.66	114.64	14.649		
9,800.00	7,850.00	9,366.50	7,794.85	66.38	52.13	88.81	1,503.38	-2,388.42	1,684.61	1,566.42	118.19	14.254		
9,900.00	7,850.00	9,432.00	7,796.24	68.82	53.63	88.86	1,508.53	-2,453.70	1,692.39	1,570.44	121.95	13.878		
10,000.00	7,850.00	9,693.11	7,801.89	71.27	59.75	89.05	1,518.67	-2,714.42	1,696.50	1,565.54	130.96	12.954		
10,100.00	7,850.00	9,844.94	7,805.16	73.75	63.38	89.16	1,514.79	-2,866.15	1,693.96	1,556.96	137.00	12.365		
10,200.00	7,850.00	9,928.52	7,806.30	76.23	65.39	89.20	1,511.07	-2,949.64	1,689.72	1,548.19	141.54	11.938		
10,286.10	7,850.00	9,963.86	7,806.69	78.39	66.25	89.21	1,510.51	-2,984.97	1,688.43	1,543.85	144.58	11.678		
10,300.00	7,850.00	9,969.57	7,806.76	78.73	66.39	89.21	1,510.52	-2,990.68	1,688.46	1,543.40	145.06	11.639		
10,400.00	7,850.00	10,024.48	7,807.39	81.25	67.73	89.24	1,511.77	-3,045.57	1,690.57	1,541.73	148.84	11.358		
10,500.00	7,850.00	10,500.00	7,810.24	83.77	79.48	89.33	1,513.77	-3,258.16	1,692.92	1,529.78	163.14	10.377		
10,600.00	7,850.00	10,472.33	7,813.23	86.30	78.77	89.43	1,493.20	-3,492.29	1,682.64	1,518.46	164.19	10.248		
10,700.00	7,850.00	10,532.07	7,814.01	88.85	80.25	89.45	1,487.05	-3,551.69	1,672.37	1,503.83	168.54	9.923		
10,800.00	7,850.00	10,592.27	7,814.81	91.40	81.75	89.48	1,482.19	-3,611.69	1,664.39	1,491.54	172.85	9.629		
10,900.00	7,850.00	10,658.00	7,815.63	93.96	83.40	89.51	1,478.58	-3,677.32	1,658.86	1,481.65	177.22	9.361		
11,000.00	7,850.00	10,706.14	7,816.23	96.53	84.62	89.53	1,477.19	-3,725.44	1,655.86	1,474.74	181.12	9.142		
11,053.02	7,850.00	10,735.02	7,816.62	97.89	85.35	89.54	1,476.91	-3,754.31	1,655.40	1,472.18	183.22	9.035		
11,100.00	7,850.00	10,753.00	7,816.88	99.10	85.80	89.55	1,476.95	-3,772.29	1,655.66	1,470.83	184.83	8.958		
11,200.00	7,850.00	10,828.57	7,817.93	101.68	87.73	89.59	1,478.35	-3,847.84	1,657.68	1,468.42	189.27	8.759		
11,300.00	7,850.00	10,876.74	7,818.55	104.27	88.96	89.61	1,480.39	-3,895.96	1,662.17	1,469.38	192.79	8.622		
11,400.00	7,850.00	10,917.77	7,819.10	106.86	90.01	89.63	1,483.62	-3,936.86	1,670.11	1,474.24	195.88	8.526		
11,500.00	7,850.00	11,015.28	7,820.36	109.45	92.51	89.67	1,484.05	-4,033.79	1,680.87	1,479.93	200.94	8.365		
11,600.00	7,850.00	11,299.72	7,824.24	112.06	99.84	89.81	1,502.07	-4,317.88	1,681.11	1,469.24	211.87	7.935		
11,700.00	7,850.00	11,399.52	7,825.69	114.66	102.42	89.86	1,500.91	-4,417.67	1,680.03	1,462.98	217.05	7.740		
11,779.35	7,850.00	11,460.08	7,826.59	116.73	103.99	89.89	1,500.44	-4,478.22	1,679.51	1,458.81	220.70	7.610		
11,800.00	7,850.00	11,474.78	7,826.79	117.27	104.37	89.89	1,500.46	-4,492.92	1,679.55	1,457.93	221.61	7.579		
11,900.00	7,850.00	11,539.22	7,827.60	119.88	106.05	89.92	1,501.22	-4,557.35	1,680.86	1,455.04	225.82	7.443		
12,000.00	7,850.00	11,602.00	7,828.31	122.50	107.68	89.95	1,503.55	-4,620.07	1,684.58	1,454.69	229.89	7.328		
12,100.00	7,850.00	11,661.69	7,828.99	125.12	109.24	89.97	1,507.13	-4,679.65	1,690.57	1,456.83	233.74	7.233		
12,200.00	7,850.00	11,727.57	7,829.80	127.74	110.95	90.00	1,512.40	-4,745.31	1,698.64	1,460.94	237.71	7.146		
12,300.00	7,850.00	11,796.69	7,830.65	130.37	112.76	90.03	1,519.24	-4,814.09	1,708.61	1,466.89	241.72	7.069		
12,400.00	7,850.00	11,891.86	7,831.94	133.00	115.24	90.07	1,529.66	-4,908.67	1,719.65	1,472.89	246.76	6.969		
12,500.00	7,850.00	12,249.57	7,836.59	135.63	124.61	90.22	1,543.34	-5,265.63	1,724.39	1,464.40	259.99	6.632		
12,600.00	7,850.00	12,374.65	7,838.04	138.26	127.87	90.27	1,537.42	-5,390.57	1,719.74	1,454.02	265.72	6.472		
12,700.00	7,850.00	12,412.40	7,838.52	140.90	128.86	90.29	1,536.41	-5,428.30	1,716.58	1,446.90	269.68	6.365		
12,768.00	7,850.00	12,451.00	7,839.07	142.69	129.87	90.31	1,536.18	-5,466.90	1,716.12	1,443.60	272.52	6.297		
12,800.00	7,850.00	12,470.79	7,839.36	143.53	130.39	90.32	1,536.29	-5,486.68	1,716.30	1,442.42	273.88	6.267		
12,900.00	7,850.00	12,565.70	7,840.54	146.17	132.89	90.36	1,536.98	-5,581.58	1,717.12	1,438.10	279.02	6.154		
13,000.00	7,850.00	12,659.05	7,841.66	148.82	135.35	90.39	1,538.13	-5,674.92	1,718.45	1,434.34	284.11	6.049		
13,100.00	7,850.00	12,774.31	7,842.79	151.46	138.39	90.43	1,539.03	-5,790.17	1,719.30	1,429.50	289.81	5.933		
13,200.00	7,850.00	12,862.91	7,843.48	154.10	140.73	90.45	1,539.42	-5,878.77	1,719.87	1,425.10	294.78	5.834		
13,300.00	7,850.00	12,942.75	7,844.40	156.75	142.84	90.48	1,541.00	-5,958.58	1,721.89	1,422.41	299.48	5.750		
13,400.00	7,850.00	13,062.32	7,844.93	159.40	146.00	90.50	1,542.62	-6,078.14	1,723.27	1,417.93	305.34	5.644		
13,500.00	7,850.00	13,221.76	7,845.59	162.05	150.22	90.52	1,542.73	-6,237.56	1,723.83	1,411.70	312.13	5.523		
13,600.00	7,850.00	13,550.35	7,847.48	164.70	158.76	90.60	1,510.67	-6,564.16	1,712.32	1,392.62	319.70	5.356		
13,700.00	7,850.00	13,585.00	7,847.69	167.36	159.64	90.60	1,505.47	-6,598.42	1,698.24	1,373.41	324.82	5.228		
13,800.00	7,850.00	13,639.65	7,848.06	170.01	161.06	90.62	1,498.99	-6,652.68	1,687.08	1,357.32	329.76	5.116		
13,900.00	7,850.00	13,680.00	7,848.38	172.66	162.11	90.63	1,496.06	-6,692.92	1,679.79	1,345.52	334.27	5.025		
14,000.00	7,850.00	13,730.66	7,848.78	175.32	163.45	90.65	1,494.02	-6,743.53	1,675.76	1,337.12	338.64	4.949		
14,100.00	7,850.00	13,822.99	7,849.41	177.98	165.90	90.67	1,492.57	-6,835.84	1,674.21	1,330.44	343.77	4.870		
14,200.00	7,850.00	13,925.58	7,850.14	180.64	168.61	90.69	1,489.38	-6,938.38	1,671.18	1,322.05	349.13	4.787		
14,300.00	7,850.00	13,998.95	7,850.61	183.30	170.56	90.71	1,488.19	-7,011.74	1,669.64	1,315.83	353.81	4.719		
14,400.00	7,850.00	14,191.42	7,852.02	185.96	175.66	90.76	1,483.56	-7,204.10	1,668.47	1,307.54	360.93	4.623		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 3-T4S-R65W - EXIST HZ PROPERTY RESERVE 4-65 3-4 2CH - 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		
14,500.00	7,850.00	14,277.23	7,852.49	188.62	177.92	90.78	1,477.31	-7,289.69	1,661.46	1,295.44	366.02	4.539		
14,600.00	7,850.00	14,340.00	7,853.05	191.28	179.58	90.80	1,475.66	-7,352.42	1,658.26	1,287.60	370.66	4.474		
14,653.58	7,850.00	14,340.00	7,853.05	192.71	179.58	90.80	1,475.66	-7,352.42	1,657.39	1,285.16	372.23	4.453		
14,700.00	7,850.00	14,361.84	7,853.27	193.95	180.16	90.81	1,475.84	-7,374.26	1,657.78	1,283.79	373.99	4.433		
14,800.00	7,850.00	14,417.17	7,853.76	196.61	181.63	90.82	1,477.35	-7,429.57	1,660.61	1,282.79	377.81	4.395		
14,900.00	7,850.00	14,480.44	7,854.21	199.28	183.32	90.84	1,480.70	-7,492.74	1,665.96	1,284.25	381.71	4.364		
15,000.00	7,850.00	14,546.79	7,854.70	201.94	185.09	90.85	1,485.52	-7,558.92	1,673.31	1,287.75	385.56	4.340		
15,100.00	7,850.00	14,611.37	7,855.06	204.61	186.81	90.86	1,491.53	-7,623.22	1,682.71	1,293.54	389.18	4.324		
15,200.00	7,850.00	14,688.64	7,855.42	207.27	188.86	90.87	1,500.10	-7,700.00	1,693.88	1,300.55	393.33	4.307		
15,300.00	7,850.00	14,988.56	7,857.06	209.94	196.86	90.91	1,519.54	-7,999.06	1,701.89	1,295.16	406.72	4.184		
15,377.95	7,850.00	15,066.33	7,857.28	212.02	198.93	90.92	1,519.27	-8,076.83	1,701.69	1,290.82	410.88	4.142		
15,400.00	7,850.00	15,085.85	7,857.33	212.61	199.45	90.92	1,519.27	-8,096.35	1,701.71	1,289.72	411.98	4.131		
15,500.00	7,850.00	15,196.67	7,858.04	215.28	202.41	90.95	1,519.04	-8,207.17	1,701.61	1,284.01	417.60	4.075		
15,600.00	7,850.00	15,307.17	7,858.58	217.95	205.35	90.97	1,518.10	-8,317.67	1,700.86	1,277.67	423.19	4.019		
15,700.00	7,850.00	15,412.55	7,859.19	220.62	208.16	90.99	1,516.45	-8,423.03	1,699.38	1,270.73	428.65	3.964		
15,800.00	7,850.00	15,506.21	7,859.88	223.29	210.66	91.01	1,515.34	-8,516.68	1,698.28	1,264.45	433.84	3.915		
15,900.00	7,850.00	15,597.49	7,860.50	225.96	213.09	91.03	1,514.24	-8,607.94	1,697.21	1,258.25	438.96	3.866		
15,928.86	7,850.00	15,617.50	7,860.65	226.73	213.63	91.04	1,514.17	-8,627.96	1,697.13	1,256.87	440.27	3.855		
16,000.00	7,850.00	15,661.00	7,861.02	228.64	214.79	91.05	1,514.36	-8,671.46	1,697.59	1,254.33	443.27	3.830		
16,100.00	7,850.00	15,732.86	7,861.64	231.31	216.71	91.07	1,515.87	-8,743.30	1,699.86	1,252.18	447.68	3.797		
16,200.00	7,850.00	15,800.97	7,862.28	233.98	218.53	91.09	1,518.68	-8,811.34	1,704.08	1,252.26	451.82	3.772		
16,300.00	7,850.00	15,883.64	7,863.50	236.65	220.75	91.13	1,523.53	-8,893.86	1,710.00	1,253.56	456.44	3.746		
16,400.00	7,850.00	15,966.79	7,864.37	239.33	222.97	91.15	1,528.44	-8,976.86	1,716.12	1,255.08	461.05	3.722		
16,500.00	7,850.00	16,012.78	7,864.80	242.00	224.20	91.17	1,532.38	-9,022.67	1,724.79	1,261.07	463.72	3.719		
16,600.00	7,850.00	16,076.82	7,865.45	244.68	225.91	91.18	1,539.80	-9,086.28	1,736.32	1,269.28	467.04	3.718		
16,700.00	7,850.00	16,403.51	7,869.39	247.35	234.65	91.30	1,556.83	-9,412.12	1,740.70	1,258.88	481.82	3.613		
16,800.00	7,850.00	16,551.28	7,871.37	250.03	238.59	91.37	1,553.69	-9,559.84	1,738.75	1,250.64	488.12	3.562		
16,900.00	7,850.00	16,716.96	7,872.94	252.70	242.99	91.43	1,544.46	-9,725.25	1,733.25	1,239.09	494.16	3.507		
17,000.00	7,850.00	16,809.46	7,874.13	255.38	245.44	91.47	1,537.83	-9,817.50	1,726.20	1,226.77	499.42	3.456		
17,100.00	7,850.00	16,881.42	7,875.22	258.06	247.35	91.51	1,533.37	-9,889.31	1,720.13	1,215.64	504.49	3.410		
17,200.00	7,850.00	16,955.31	7,876.39	260.73	249.31	91.55	1,529.96	-9,963.11	1,715.64	1,206.17	509.47	3.368		
17,300.00	7,850.00	17,028.50	7,877.51	263.41	251.27	91.59	1,527.68	-10,036.26	1,712.66	1,198.34	514.32	3.330		
17,400.00	7,850.00	17,106.55	7,878.63	266.09	253.35	91.63	1,526.49	-10,114.29	1,711.23	1,192.05	519.18	3.296		
17,500.00	7,850.00	17,192.06	7,879.96	268.77	255.64	91.68	1,525.87	-10,199.78	1,710.66	1,186.51	524.15	3.264		
17,503.37	7,850.00	17,194.53	7,880.00	268.86	255.70	91.68	1,525.87	-10,202.26	1,710.66	1,186.35	524.31	3.263		
17,600.00	7,850.00	17,267.00	7,881.11	271.45	257.65	91.72	1,526.33	-10,274.72	1,711.39	1,182.61	528.78	3.236		
17,700.00	7,850.00	17,345.15	7,882.25	274.12	259.74	91.75	1,527.88	-10,352.84	1,713.49	1,180.08	533.41	3.212		
17,800.00	7,850.00	17,459.86	7,884.03	276.80	262.82	91.81	1,530.51	-10,467.51	1,715.94	1,176.69	539.24	3.182		
17,900.00	7,850.00	17,596.80	7,886.05	279.48	266.49	91.87	1,531.55	-10,604.43	1,716.88	1,171.24	545.65	3.147		
18,000.00	7,850.00	17,755.04	7,888.34	282.16	270.72	91.95	1,527.93	-10,762.60	1,714.66	1,162.51	552.15	3.105		
18,070.66	7,850.00	17,762.00	7,888.44	284.06	270.90	91.96	1,527.66	-10,769.55	1,713.21	1,158.61	554.61	3.089		
18,100.00	7,850.00	17,762.00	7,888.44	284.84	270.90	91.96	1,527.66	-10,769.55	1,713.47	1,158.15	555.32	3.086		
18,101.25	7,850.00	17,762.00	7,888.44	284.88	270.90	91.96	1,527.66	-10,769.55	1,713.49	1,158.14	555.35	3.085 ES, SF		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 3-T4S-R65W - EXIST HZ PROPERTY RESERVE 4-65 3-4 2DH - 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	-35.90	1,345.27	-973.97	1,660.95					
100.00	100.00	68.15	68.14	0.13	0.16	-35.91	1,345.31	-974.16	1,661.02	1,660.73	0.29	5,708.667		
200.00	199.98	160.74	160.73	0.49	0.49	81.77	1,345.66	-975.43	1,661.87	1,660.89	0.97	1,707.289		
300.00	299.87	260.59	260.57	0.85	0.85	81.90	1,346.16	-976.68	1,662.34	1,660.65	1.69	983.463		
400.00	399.75	364.23	364.20	1.21	1.22	82.05	1,346.65	-977.86	1,662.71	1,660.29	2.43	684.966		
500.00	499.63	466.29	466.26	1.58	1.58	82.20	1,347.01	-978.85	1,662.89	1,659.73	3.16	526.131		
600.00	599.51	570.28	570.25	1.94	1.96	82.36	1,347.42	-979.53	1,662.93	1,659.03	3.90	426.453		
700.00	699.39	671.73	671.69	2.31	2.31	82.54	1,347.88	-979.73	1,662.77	1,658.14	4.63	359.358		
800.00	799.27	773.12	773.08	2.68	2.67	82.71	1,348.28	-979.89	1,662.55	1,657.19	5.36	310.451		
900.00	899.15	875.25	875.21	3.05	3.04	82.89	1,348.58	-980.00	1,662.23	1,656.15	6.09	273.101		
985.86	984.90	954.91	954.87	3.37	3.32	83.02	1,348.88	-980.17	1,662.09	1,655.41	6.69	248.536		
1,000.00	999.03	968.19	968.15	3.42	3.37	83.04	1,348.96	-980.21	1,662.10	1,655.31	6.79	244.890		
1,100.00	1,098.91	1,063.08	1,063.03	3.79	3.71	83.21	1,349.64	-980.56	1,662.31	1,654.82	7.49	221.793		
1,200.00	1,198.78	1,166.43	1,166.39	4.16	4.08	83.39	1,350.54	-980.87	1,662.63	1,654.40	8.23	201.977		
1,300.00	1,298.66	1,266.77	1,266.72	4.52	4.43	83.57	1,351.30	-981.03	1,662.79	1,653.83	8.96	185.626		
1,400.00	1,398.54	1,360.79	1,360.73	4.89	4.77	83.74	1,352.18	-981.24	1,663.14	1,653.48	9.66	172.136		
1,500.00	1,498.42	1,466.58	1,466.52	5.26	5.15	83.93	1,353.17	-981.38	1,663.46	1,653.06	10.41	159.834		
1,600.00	1,598.30	1,564.70	1,564.64	5.63	5.50	84.11	1,353.99	-981.50	1,663.71	1,652.59	11.13	149.534		
1,700.00	1,698.18	1,663.36	1,663.29	6.00	5.85	84.29	1,354.97	-981.56	1,664.08	1,652.23	11.85	140.475		
1,800.00	1,798.06	1,763.83	1,763.76	6.37	6.20	84.48	1,356.06	-981.50	1,664.48	1,651.90	12.57	132.394		
1,900.00	1,897.94	1,863.13	1,863.05	6.74	6.56	84.67	1,357.07	-981.47	1,664.85	1,651.55	13.29	125.228		
2,000.00	1,997.82	1,960.56	1,960.48	7.11	6.91	84.84	1,358.02	-981.77	1,665.38	1,651.37	14.01	118.856		
2,100.00	2,097.70	2,060.26	2,060.17	7.48	7.26	85.01	1,358.92	-982.29	1,665.99	1,651.26	14.74	113.041		
2,200.00	2,197.58	2,161.00	2,160.90	7.84	7.62	85.18	1,359.75	-982.92	1,666.61	1,651.14	15.47	107.747		
2,300.00	2,297.46	2,284.64	2,284.54	8.21	8.06	85.39	1,360.36	-983.06	1,666.73	1,650.45	16.27	102.423		
2,400.00	2,397.33	2,464.79	2,464.50	8.58	8.67	85.59	1,358.91	-975.70	1,663.47	1,646.25	17.23	96.566		
2,500.00	2,497.21	2,578.95	2,578.43	8.95	9.05	86.19	1,354.97	-969.58	1,657.36	1,639.39	17.97	92.249		
2,600.00	2,597.09	2,677.36	2,676.64	9.32	9.38	86.40	1,350.45	-965.29	1,650.84	1,632.18	18.66	88.459		
2,700.00	2,696.97	2,767.35	2,766.46	9.69	9.68	86.63	1,347.16	-960.75	1,644.79	1,625.45	19.34	85.053		
2,800.00	2,796.85	2,856.39	2,855.32	10.06	9.98	86.90	1,344.92	-955.60	1,639.37	1,619.35	20.02	81.907		
2,900.00	2,896.73	2,952.83	2,951.57	10.43	10.32	87.21	1,343.35	-949.77	1,634.60	1,613.89	20.72	78.906		
3,000.00	2,996.61	3,064.37	3,062.90	10.80	10.70	87.54	1,340.56	-943.50	1,629.36	1,607.90	21.46	75.923		
3,100.00	3,096.49	3,152.06	3,150.44	11.17	11.01	87.78	1,337.88	-939.06	1,623.99	1,601.86	22.14	73.363		
3,200.00	3,196.37	3,222.57	3,220.87	11.53	11.25	87.96	1,336.35	-936.34	1,620.05	1,597.29	22.76	71.182		
3,300.00	3,296.25	3,295.00	3,293.29	11.90	11.50	88.11	1,335.77	-935.39	1,618.37	1,594.99	23.38	69.211		
3,400.00	3,396.13	3,378.50	3,376.79	12.27	11.79	88.24	1,335.68	-935.53	1,618.12	1,594.08	24.04	67.310		
3,402.82	3,398.94	3,381.36	3,379.66	12.28	11.80	88.25	1,335.68	-935.53	1,618.11	1,594.05	24.06	67.253		
3,500.00	3,496.01	3,477.17	3,475.46	12.64	12.13	88.41	1,335.60	-935.63	1,617.95	1,593.20	24.75	65.372		
3,600.00	3,595.88	3,579.41	3,577.70	13.01	12.48	88.59	1,335.55	-935.65	1,617.79	1,592.32	25.47	63.513		
3,700.00	3,695.76	3,675.43	3,673.72	13.38	12.81	88.75	1,335.52	-935.71	1,617.68	1,591.51	26.17	61.808		
3,744.39	3,740.10	3,721.13	3,719.42	13.54	12.97	88.83	1,335.53	-935.77	1,617.67	1,591.17	26.50	61.054		
3,800.00	3,795.64	3,777.93	3,776.22	13.75	13.17	88.93	1,335.50	-935.82	1,617.61	1,590.71	26.90	60.138		
3,900.00	3,895.52	3,878.01	3,876.30	14.12	13.51	89.10	1,335.44	-935.88	1,617.51	1,589.89	27.61	58.577		
4,000.00	3,995.40	3,981.45	3,979.74	14.49	13.87	89.26	1,334.96	-936.26	1,617.20	1,588.86	28.34	57.064		
4,100.00	4,095.28	4,077.46	4,075.75	14.86	14.20	89.42	1,334.75	-936.39	1,617.02	1,587.98	29.04	55.684		
4,200.00	4,195.16	4,177.23	4,175.52	15.22	14.54	89.59	1,334.74	-936.35	1,616.95	1,587.20	29.75	54.347		
4,300.00	4,295.04	4,277.32	4,275.61	15.59	14.89	89.76	1,334.61	-936.50	1,616.88	1,586.41	30.47	53.067		
4,400.00	4,394.92	4,378.76	4,377.04	15.96	15.24	89.93	1,334.51	-936.59	1,616.81	1,585.62	31.19	51.840		
4,500.00	4,494.80	4,486.70	4,484.99	16.33	15.61	90.12	1,334.15	-936.48	1,616.48	1,584.55	31.93	50.627		
4,600.00	4,594.68	4,582.03	4,580.31	16.70	15.94	90.28	1,333.49	-936.39	1,615.84	1,583.21	32.63	49.525		
4,700.00	4,694.56	4,676.99	4,675.27	17.07	16.27	90.44	1,333.33	-936.46	1,615.76	1,582.43	33.32	48.485		
4,709.96	4,704.50	4,686.91	4,685.19	17.11	16.30	90.45	1,333.33	-936.46	1,615.75	1,582.36	33.40	48.382		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 3-T4S-R65W - EXIST HZ PROPERTY RESERVE 4-65 3-4 2DH - 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		
4,776.22	4,770.69	4,753.08	4,751.36	17.35	16.53	90.57	1,333.29	-936.47	1,615.75	1,581.88	33.87	47.706		
4,800.00	4,794.43	4,776.86	4,775.14	17.44	16.61	90.61	1,333.28	-936.46	1,615.75	1,581.71	34.04	47.468		
4,900.00	4,894.31	4,874.88	4,873.16	17.81	16.95	90.78	1,333.28	-936.43	1,615.80	1,581.05	34.75	46.501		
5,000.00	4,994.19	4,974.92	4,973.21	18.18	17.30	90.96	1,333.39	-936.41	1,615.96	1,580.49	35.47	45.563		
5,100.00	5,094.07	5,075.88	5,074.16	18.55	17.66	91.13	1,333.41	-936.42	1,616.07	1,579.88	36.19	44.658		
5,200.00	5,193.95	5,176.94	5,175.22	18.91	18.01	91.31	1,333.36	-936.39	1,616.13	1,579.22	36.91	43.789		
5,300.00	5,293.83	5,275.48	5,273.76	19.28	18.35	91.48	1,333.28	-936.46	1,616.20	1,578.58	37.62	42.962		
5,400.00	5,393.71	5,376.11	5,374.39	19.65	18.70	91.65	1,333.22	-936.52	1,616.31	1,577.97	38.34	42.158		
5,500.00	5,493.59	5,479.67	5,477.95	20.02	19.06	91.83	1,333.12	-936.56	1,616.39	1,577.32	39.07	41.373		
5,600.00	5,593.47	5,646.83	5,645.05	20.39	19.64	92.19	1,330.99	-933.29	1,614.81	1,574.82	39.99	40.382		
5,700.00	5,693.35	5,774.33	5,772.20	20.76	20.09	92.62	1,327.06	-924.94	1,609.32	1,568.55	40.77	39.471		
5,800.00	5,793.23	5,867.12	5,864.59	21.13	20.42	93.02	1,324.98	-916.61	1,603.70	1,562.23	41.47	38.668		
5,900.00	5,893.11	5,978.47	5,975.33	21.50	20.81	93.57	1,323.04	-905.08	1,598.09	1,555.87	42.22	37.852		
6,000.00	5,992.99	6,213.39	6,207.42	21.87	21.67	94.98	1,313.40	-870.77	1,589.93	1,546.81	43.12	36.869		
6,100.00	6,092.86	6,392.51	6,381.58	22.24	22.35	96.30	1,294.65	-833.44	1,572.00	1,528.16	43.84	35.855		
6,200.00	6,192.74	6,489.27	6,475.21	22.60	22.73	97.06	1,282.90	-812.05	1,552.87	1,508.29	44.57	34.838		
6,300.00	6,292.62	6,589.90	6,572.34	22.97	23.13	97.92	1,271.18	-788.49	1,533.99	1,488.68	45.31	33.855		
6,400.00	6,392.50	6,712.41	6,689.74	23.34	23.64	99.11	1,256.77	-756.61	1,514.38	1,468.34	46.04	32.890		
6,500.00	6,492.38	6,820.52	6,792.98	23.71	24.11	100.21	1,242.90	-727.69	1,494.00	1,447.20	46.79	31.927		
6,600.00	6,592.26	6,922.90	6,890.76	24.08	24.56	101.24	1,228.53	-700.96	1,473.14	1,425.59	47.55	30.978		
6,700.00	6,692.14	7,007.16	6,971.22	24.45	24.94	102.12	1,216.87	-678.83	1,452.87	1,404.52	48.34	30.053		
6,800.00	6,792.02	7,086.09	7,046.62	24.82	25.30	102.98	1,207.01	-657.66	1,434.10	1,384.96	49.14	29.183		
6,900.00	6,891.90	7,176.89	7,133.84	25.19	25.70	103.92	1,195.43	-635.29	1,416.21	1,366.28	49.93	28.364		
7,000.00	6,991.78	7,242.48	7,197.99	25.56	25.98	104.36	1,186.29	-625.37	1,400.07	1,349.37	50.70	27.616		
7,100.00	7,091.66	7,260.00	7,215.27	25.93	26.05	104.42	1,183.74	-624.09	1,387.53	1,336.12	51.41	26.991		
7,200.00	7,191.54	7,308.60	7,263.55	26.29	26.22	104.52	1,178.51	-622.71	1,378.95	1,326.91	52.04	26.497		
7,300.00	7,291.41	7,354.00	7,308.90	26.66	26.38	104.55	1,177.06	-623.90	1,376.46	1,323.86	52.61	26.165		
7,340.06	7,331.35	7,354.00	7,308.90	26.82	26.38	89.10	1,177.06	-623.90	1,376.16	1,323.41	52.76	26.085		
7,400.00	7,390.63	7,354.00	7,308.90	27.05	26.38	83.41	1,177.06	-623.90	1,377.02	1,324.11	52.91	26.024		
7,500.00	7,486.41	7,418.30	7,372.78	27.49	26.57	80.75	1,178.35	-630.73	1,377.70	1,324.21	53.49	25.758		
7,600.00	7,575.82	7,448.00	7,401.95	27.98	26.66	79.87	1,179.60	-636.21	1,378.97	1,325.09	53.88	25.594		
7,700.00	7,656.17	7,498.98	7,451.23	28.54	26.79	79.93	1,183.15	-648.66	1,380.69	1,326.23	54.46	25.353		
7,800.00	7,724.99	7,543.00	7,492.82	29.19	26.91	80.23	1,187.89	-662.28	1,383.82	1,328.70	55.11	25.109		
7,900.00	7,780.22	7,785.71	7,696.58	29.99	27.54	84.43	1,191.68	-789.72	1,379.13	1,321.96	57.17	24.124		
8,000.00	7,820.15	7,842.99	7,734.87	30.95	27.71	85.81	1,188.59	-832.16	1,371.55	1,313.20	58.35	23.507		
8,100.00	7,843.59	7,893.87	7,764.58	32.08	27.90	87.12	1,186.84	-873.41	1,365.92	1,306.20	59.71	22.875		
8,200.00	7,850.00	7,947.68	7,791.30	33.35	28.14	88.38	1,186.19	-920.08	1,362.86	1,301.58	61.28	22.239		
8,244.83	7,850.00	7,973.68	7,802.77	33.99	28.28	88.86	1,186.27	-943.42	1,362.51	1,300.44	62.08	21.949		
8,300.00	7,850.00	8,014.00	7,818.73	34.77	28.50	89.53	1,186.87	-980.43	1,363.04	1,299.95	63.10	21.602		
8,400.00	7,850.00	8,127.56	7,846.00	36.34	29.30	90.68	1,188.36	-1,090.31	1,364.59	1,299.06	65.53	20.825		
8,500.00	7,850.00	8,231.73	7,851.60	38.03	30.29	90.91	1,189.29	-1,194.24	1,365.66	1,297.43	68.23	20.015		
8,600.00	7,850.00	8,388.00	7,852.55	39.84	32.09	90.95	1,186.21	-1,350.46	1,363.72	1,291.83	71.89	18.969		
8,700.00	7,850.00	8,487.03	7,853.94	41.74	33.46	91.01	1,182.32	-1,449.40	1,359.90	1,284.73	75.17	18.091		
8,800.00	7,850.00	8,566.96	7,855.33	43.72	34.69	91.07	1,179.83	-1,529.27	1,356.91	1,278.52	78.38	17.311		
8,900.00	7,850.00	8,649.72	7,856.30	45.78	36.05	91.12	1,178.41	-1,612.02	1,355.30	1,273.50	81.79	16.570		
9,000.00	7,850.00	8,744.82	7,858.25	47.90	37.72	91.20	1,177.65	-1,707.09	1,354.62	1,269.04	85.58	15.830		
9,100.00	7,850.00	8,849.76	7,860.60	50.08	39.66	91.30	1,176.70	-1,812.01	1,353.85	1,264.14	89.71	15.092		
9,151.27	7,850.00	8,882.90	7,861.40	51.22	40.30	91.33	1,176.44	-1,845.13	1,353.58	1,262.12	91.46	14.800 CC		
9,200.00	7,850.00	8,907.20	7,861.88	52.30	40.78	91.35	1,176.71	-1,869.43	1,354.19	1,261.22	92.97	14.566		
9,300.00	7,850.00	8,958.00	7,862.54	54.57	41.78	91.38	1,178.70	-1,920.18	1,358.19	1,262.12	96.07	14.138		
9,400.00	7,850.00	9,025.99	7,863.35	56.87	43.16	91.41	1,183.39	-1,988.00	1,365.18	1,265.58	99.59	13.708		
9,500.00	7,850.00	9,163.06	7,865.82	59.21	46.04	91.50	1,193.17	-2,124.69	1,372.64	1,267.66	104.98	13.075		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 3-T4S-R65W - EXIST HZ PROPERTY RESERVE 4-65 3-4 2DH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,600.00	7,850.00	9,313.10	7,868.70	61.58	49.31	91.62	1,199.22	-2,274.57	1,377.11	1,266.32	110.79	12.430		
9,700.00	7,850.00	9,424.21	7,870.80	63.97	51.81	91.70	1,200.12	-2,385.66	1,378.02	1,262.33	115.70	11.911		
9,800.00	7,850.00	9,470.09	7,871.44	66.38	52.85	91.73	1,201.26	-2,431.51	1,380.79	1,261.81	118.98	11.605		
9,900.00	7,850.00	9,526.00	7,872.35	68.82	54.13	91.76	1,205.46	-2,487.25	1,387.91	1,265.47	122.44	11.336		
10,000.00	7,850.00	9,563.95	7,873.03	71.27	55.01	91.78	1,209.75	-2,524.95	1,398.60	1,273.36	125.23	11.168		
10,100.00	7,850.00	9,622.16	7,874.06	73.75	56.36	91.81	1,217.78	-2,582.60	1,412.50	1,283.93	128.57	10.986		
10,200.00	7,850.00	10,009.08	7,881.93	76.23	65.59	92.11	1,237.18	-2,968.04	1,417.58	1,275.94	141.64	10.008		
10,300.00	7,850.00	10,208.58	7,885.92	78.73	70.41	92.30	1,219.01	-3,166.63	1,408.11	1,259.81	148.30	9.495		
10,400.00	7,850.00	10,322.81	7,888.24	81.25	73.17	92.42	1,203.93	-3,279.84	1,395.00	1,241.59	153.41	9.094		
10,500.00	7,850.00	10,396.06	7,889.89	83.77	74.95	92.50	1,194.79	-3,352.49	1,382.77	1,224.81	157.96	8.754		
10,600.00	7,850.00	10,469.00	7,890.92	86.30	76.75	92.56	1,187.80	-3,425.08	1,373.14	1,210.63	162.51	8.450		
10,700.00	7,850.00	10,501.74	7,891.26	88.85	77.57	92.58	1,185.77	-3,457.76	1,366.60	1,200.38	166.23	8.221		
10,800.00	7,850.00	10,563.00	7,892.33	91.40	79.10	92.62	1,184.98	-3,518.99	1,364.78	1,194.42	170.36	8.011		
10,820.40	7,850.00	10,563.00	7,892.33	91.92	79.10	92.62	1,184.98	-3,518.99	1,364.63	1,193.77	170.86	7.987		
10,900.00	7,850.00	10,598.43	7,893.10	93.96	79.99	92.65	1,185.85	-3,554.40	1,366.29	1,192.65	173.63	7.869		
11,000.00	7,850.00	10,671.01	7,894.55	96.53	81.83	92.71	1,188.91	-3,626.90	1,370.63	1,192.79	177.85	7.707		
11,100.00	7,850.00	10,766.65	7,896.26	99.10	84.26	92.77	1,193.91	-3,722.39	1,376.03	1,193.23	182.80	7.527		
11,200.00	7,850.00	10,863.94	7,897.86	101.68	86.74	92.82	1,199.20	-3,819.53	1,381.63	1,193.80	187.83	7.356		
11,300.00	7,850.00	10,957.75	7,899.40	104.27	89.14	92.88	1,204.67	-3,913.16	1,387.62	1,194.87	192.75	7.199		
11,400.00	7,850.00	11,058.19	7,901.29	106.86	91.72	92.94	1,210.61	-4,013.42	1,393.70	1,195.80	197.90	7.042		
11,500.00	7,850.00	11,151.20	7,903.04	109.45	94.11	93.00	1,216.31	-4,106.24	1,400.01	1,197.20	202.81	6.903		
11,600.00	7,850.00	11,249.02	7,904.80	112.06	96.64	93.06	1,222.97	-4,203.81	1,406.99	1,199.09	207.90	6.768		
11,700.00	7,850.00	11,446.72	7,907.98	114.66	101.75	93.17	1,228.96	-4,401.33	1,410.12	1,194.00	216.12	6.525		
11,800.00	7,850.00	11,800.00	7,910.45	117.27	110.88	93.28	1,226.59	-4,537.16	1,408.53	1,180.75	227.78	6.184		
11,900.00	7,850.00	11,689.91	7,912.31	119.88	108.04	93.37	1,222.03	-4,644.34	1,404.40	1,176.89	227.51	6.173		
12,000.00	7,850.00	11,888.91	7,914.37	122.50	113.18	93.48	1,211.78	-4,843.00	1,401.19	1,166.89	234.30	5.980		
12,100.00	7,850.00	12,006.13	7,915.36	125.12	116.18	93.55	1,197.96	-4,959.40	1,389.43	1,149.83	239.60	5.799		
12,200.00	7,850.00	12,074.00	7,915.90	127.74	117.92	93.59	1,190.93	-5,026.90	1,379.15	1,134.71	244.44	5.642		
12,300.00	7,850.00	12,141.06	7,916.44	130.37	119.66	93.63	1,185.54	-5,093.74	1,371.18	1,122.01	249.18	5.503		
12,400.00	7,850.00	12,206.36	7,916.96	133.00	121.36	93.66	1,181.64	-5,158.92	1,365.41	1,111.65	253.76	5.381		
12,500.00	7,850.00	12,262.00	7,917.36	135.63	122.81	93.68	1,179.82	-5,214.53	1,362.42	1,104.45	257.97	5.281		
12,547.21	7,850.00	12,293.27	7,917.60	136.87	123.63	93.69	1,179.48	-5,245.80	1,362.04	1,102.02	260.02	5.238		
12,600.00	7,850.00	12,322.38	7,917.85	138.26	124.39	93.70	1,179.69	-5,274.91	1,362.50	1,100.42	262.08	5.199		
12,700.00	7,850.00	12,405.54	7,918.68	140.90	126.58	93.73	1,182.16	-5,358.02	1,365.48	1,098.70	266.78	5.118		
12,800.00	7,850.00	12,495.03	7,919.54	143.53	128.93	93.76	1,184.54	-5,447.48	1,368.34	1,096.67	271.67	5.037		
12,900.00	7,850.00	12,561.41	7,920.15	146.17	130.68	93.78	1,187.68	-5,513.78	1,373.24	1,097.58	275.67	4.982		
13,000.00	7,850.00	12,621.99	7,920.71	148.82	132.27	93.79	1,192.20	-5,574.19	1,380.84	1,101.59	279.25	4.945		
13,100.00	7,850.00	12,692.99	7,921.40	151.46	134.14	93.80	1,199.34	-5,644.82	1,390.98	1,107.84	283.14	4.913		
13,200.00	7,850.00	12,772.74	7,922.20	154.10	136.24	93.80	1,208.70	-5,724.02	1,402.82	1,115.44	287.38	4.881		
13,300.00	7,850.00	12,896.35	7,923.40	156.75	139.49	93.81	1,223.74	-5,846.70	1,415.28	1,121.42	293.86	4.816		
13,400.00	7,850.00	13,272.54	7,925.47	159.40	149.38	93.90	1,221.04	-6,222.08	1,410.29	1,103.17	307.12	4.592		
13,500.00	7,850.00	13,396.22	7,925.54	162.05	152.60	93.94	1,208.77	-6,345.15	1,400.43	1,087.93	312.50	4.481		
13,600.00	7,850.00	13,441.74	7,925.59	164.70	153.79	93.95	1,204.86	-6,390.51	1,391.92	1,074.66	317.26	4.387		
13,700.00	7,850.00	13,490.00	7,925.64	167.36	155.06	93.96	1,202.58	-6,438.71	1,387.24	1,065.60	321.64	4.313		
13,800.00	7,850.00	13,550.62	7,925.70	170.01	156.66	93.96	1,201.71	-6,499.32	1,385.85	1,059.89	325.97	4.252		
13,801.93	7,850.00	13,551.84	7,925.70	170.06	156.70	93.96	1,201.71	-6,500.54	1,385.85	1,059.81	326.05	4.250		
13,900.00	7,850.00	13,614.09	7,925.78	172.66	158.35	93.97	1,202.47	-6,562.78	1,387.13	1,056.99	330.14	4.202		
14,000.00	7,850.00	13,679.00	7,925.93	175.32	160.07	93.96	1,204.93	-6,627.64	1,391.01	1,056.86	334.14	4.163		
14,100.00	7,850.00	13,809.25	7,926.29	177.98	163.53	93.97	1,209.47	-6,757.81	1,394.45	1,053.88	340.57	4.094		
14,200.00	7,850.00	13,895.16	7,926.41	180.64	165.81	93.96	1,212.28	-6,843.68	1,397.83	1,052.46	345.37	4.047		
14,300.00	7,850.00	14,007.02	7,926.56	183.30	168.79	93.95	1,217.00	-6,955.43	1,402.22	1,051.11	351.11	3.994		
14,400.00	7,850.00	14,185.31	7,926.75	185.96	173.52	93.96	1,216.46	-7,133.69	1,401.63	1,043.00	358.63	3.908		

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 PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

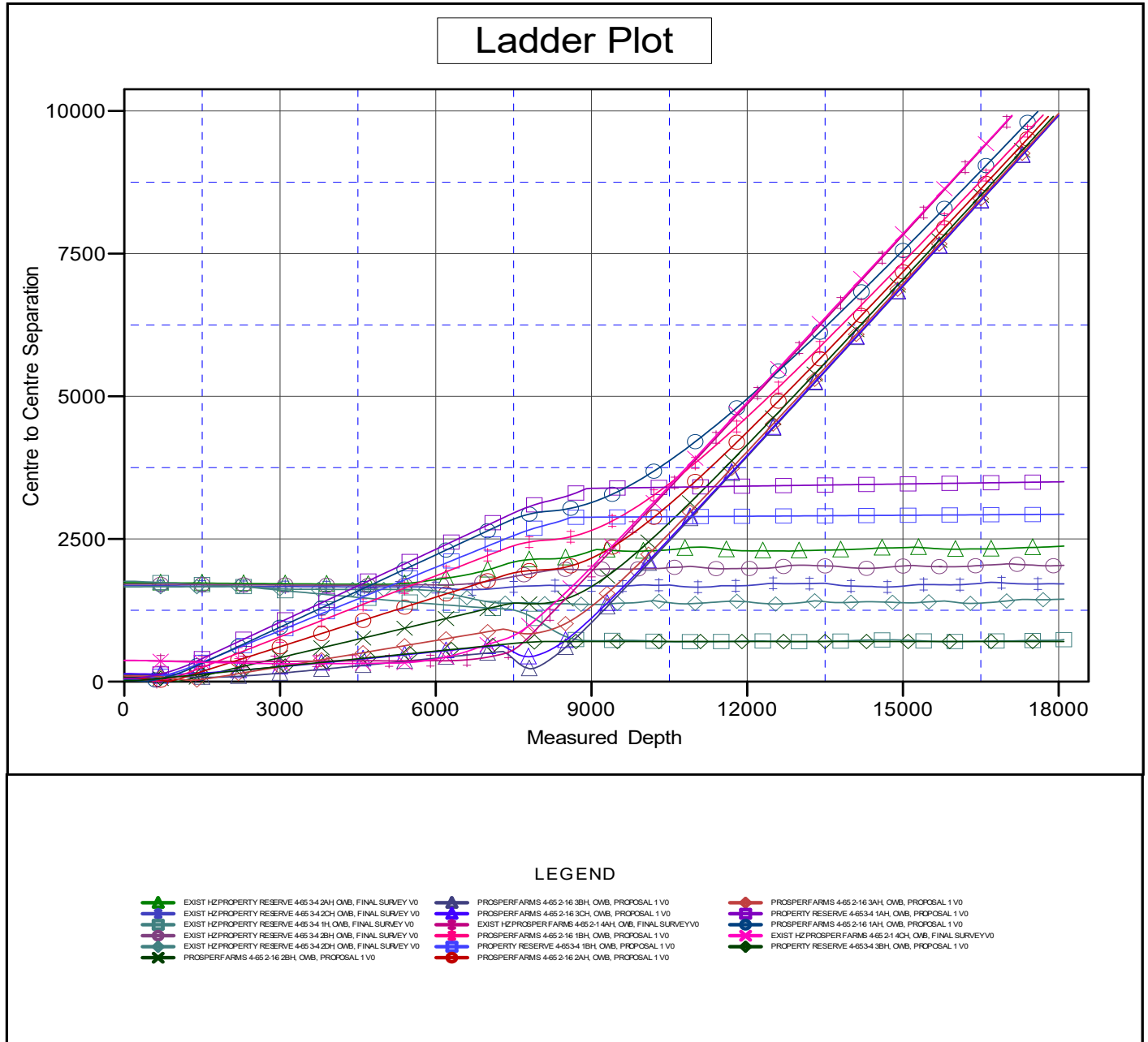
Offset Design SEC 3-T4S-R65W - EXIST HZ PROPERTY RESERVE 4-65 3-4 2DH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	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		
14,500.00	7,850.00	14,294.25	7,927.01	188.62	176.41	93.98	1,213.13	-7,242.59	1,398.67	1,034.57	364.10	3.841		
14,600.00	7,850.00	14,384.38	7,927.13	191.28	178.80	94.00	1,210.34	-7,332.67	1,395.70	1,026.51	369.19	3.780		
14,700.00	7,850.00	14,480.84	7,927.30	193.95	181.36	94.01	1,208.34	-7,429.11	1,393.72	1,019.31	374.42	3.722		
14,800.00	7,850.00	14,608.40	7,927.45	196.61	184.74	94.03	1,204.26	-7,556.60	1,390.65	1,010.40	380.25	3.657		
14,900.00	7,850.00	14,704.66	7,927.59	199.28	187.29	94.04	1,200.13	-7,652.77	1,386.47	1,000.99	385.48	3.597		
15,000.00	7,850.00	14,789.16	7,927.72	201.94	189.54	94.06	1,197.17	-7,737.22	1,383.08	992.59	390.49	3.542		
15,100.00	7,850.00	14,859.45	7,927.77	204.61	191.41	94.06	1,195.76	-7,807.49	1,381.23	986.13	395.10	3.496		
15,125.67	7,850.00	14,876.22	7,927.78	205.29	191.85	94.06	1,195.69	-7,824.27	1,381.15	984.92	396.23	3.486		
15,200.00	7,850.00	14,906.00	7,927.81	207.27	192.65	94.07	1,195.84	-7,854.04	1,382.04	983.31	398.73	3.466		
15,300.00	7,850.00	14,965.63	7,927.86	209.94	194.24	94.06	1,197.96	-7,913.63	1,386.10	983.72	402.38	3.445		
15,400.00	7,850.00	15,045.19	7,927.93	212.61	196.36	94.05	1,204.27	-7,992.94	1,393.87	987.13	406.74	3.427		
15,500.00	7,850.00	15,198.45	7,928.19	215.28	200.45	94.03	1,212.22	-8,145.98	1,398.94	984.50	414.43	3.376		
15,600.00	7,850.00	15,266.99	7,928.24	217.95	202.28	94.02	1,215.51	-8,214.44	1,403.82	985.37	418.44	3.355		
15,700.00	7,850.00	15,379.47	7,928.33	220.62	205.29	94.01	1,222.03	-8,326.73	1,409.73	985.40	424.33	3.322		
15,800.00	7,850.00	15,671.82	7,928.16	223.29	213.07	94.00	1,221.46	-8,618.80	1,412.69	978.74	433.96	3.255		
15,900.00	7,850.00	15,781.85	7,928.24	225.96	215.97	94.03	1,211.56	-8,728.39	1,403.81	964.58	439.23	3.196		
16,000.00	7,850.00	15,944.00	7,929.33	228.64	220.22	94.13	1,193.03	-8,889.44	1,392.67	948.75	443.92	3.137		
16,100.00	7,850.00	15,983.88	7,929.47	231.31	221.26	94.15	1,188.00	-8,928.99	1,380.73	931.03	449.70	3.070		
16,200.00	7,850.00	16,039.00	7,929.74	233.98	222.71	94.17	1,185.04	-8,984.02	1,374.33	919.47	454.85	3.021		
16,300.00	7,850.00	16,056.12	7,929.84	236.65	223.17	94.18	1,184.91	-9,001.13	1,371.57	912.87	458.70	2.990		
16,306.21	7,850.00	16,059.79	7,929.86	236.82	223.27	94.18	1,184.90	-9,004.80	1,371.56	912.60	458.96	2.988		
16,400.00	7,850.00	16,115.19	7,930.09	239.33	224.75	94.19	1,185.61	-9,060.20	1,372.87	910.18	462.69	2.967		
16,500.00	7,850.00	16,184.08	7,930.25	242.00	226.59	94.19	1,188.36	-9,129.03	1,376.91	910.17	466.74	2.950		
16,600.00	7,850.00	16,263.99	7,930.32	244.68	228.73	94.17	1,193.06	-9,208.80	1,382.83	911.70	471.13	2.935		
16,700.00	7,850.00	16,352.55	7,930.43	247.35	231.10	94.16	1,199.06	-9,297.15	1,389.69	913.80	475.89	2.920		
16,800.00	7,850.00	16,440.59	7,930.39	250.03	233.46	94.14	1,205.87	-9,384.93	1,397.47	916.87	480.60	2.908		
16,900.00	7,850.00	16,536.23	7,930.31	252.70	236.02	94.11	1,213.73	-9,480.26	1,405.75	920.03	485.72	2.894		
17,000.00	7,850.00	16,628.14	7,930.48	255.38	238.48	94.09	1,221.55	-9,571.83	1,414.35	923.74	490.61	2.883		
17,100.00	7,850.00	16,712.34	7,930.64	258.06	240.73	94.08	1,229.55	-9,655.64	1,423.92	928.90	495.02	2.876		
17,200.00	7,850.00	16,822.66	7,931.63	260.73	243.68	94.09	1,240.33	-9,765.43	1,433.84	932.84	501.00	2.862		
17,300.00	7,850.00	16,996.87	7,933.88	263.41	248.35	94.14	1,252.19	-9,939.20	1,441.01	930.94	510.07	2.825		
17,400.00	7,850.00	17,198.44	7,936.07	266.09	253.74	94.23	1,251.57	-10,140.71	1,440.11	921.80	518.31	2.778		
17,500.00	7,850.00	17,289.48	7,937.20	268.77	256.17	94.28	1,249.03	-10,231.71	1,437.50	914.05	523.45	2.746		
17,600.00	7,850.00	17,375.20	7,938.21	271.45	258.46	94.33	1,247.18	-10,317.40	1,435.55	907.09	528.47	2.716		
17,657.04	7,850.00	17,413.49	7,938.65	272.97	259.49	94.35	1,246.86	-10,355.69	1,435.18	904.15	531.04	2.703		
17,700.00	7,850.00	17,442.33	7,938.99	274.12	260.26	94.36	1,246.95	-10,384.52	1,435.39	902.48	532.91	2.693		
17,800.00	7,850.00	17,522.42	7,939.93	276.80	262.41	94.39	1,248.24	-10,464.59	1,437.15	899.58	537.57	2.673		
17,900.00	7,850.00	17,608.19	7,940.90	279.48	264.71	94.42	1,250.58	-10,550.33	1,440.04	897.69	542.36	2.655		
18,000.00	7,850.00	17,706.04	7,942.01	282.16	267.34	94.46	1,253.92	-10,648.12	1,443.62	896.02	547.60	2.636		
18,100.00	7,850.00	17,817.01	7,943.31	284.84	270.31	94.50	1,257.26	-10,759.03	1,446.80	893.46	553.34	2.615		
18,101.25	7,850.00	17,818.43	7,943.32	284.88	270.35	94.50	1,257.30	-10,760.44	1,446.84	893.42	553.42	2.614 ES, SF		

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<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' @ 5657.11usft  
 Offset Depths are relative to Offset Datum  
 Central Meridian is 105.500000°W

Coordinates are relative to: PROPERTY RESERVE 4-65 3-4 4AH  
 Coordinate System is US State Plane 1983, Colorado Central Zone  
 Grid Convergence at Surface is: 0.54°



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



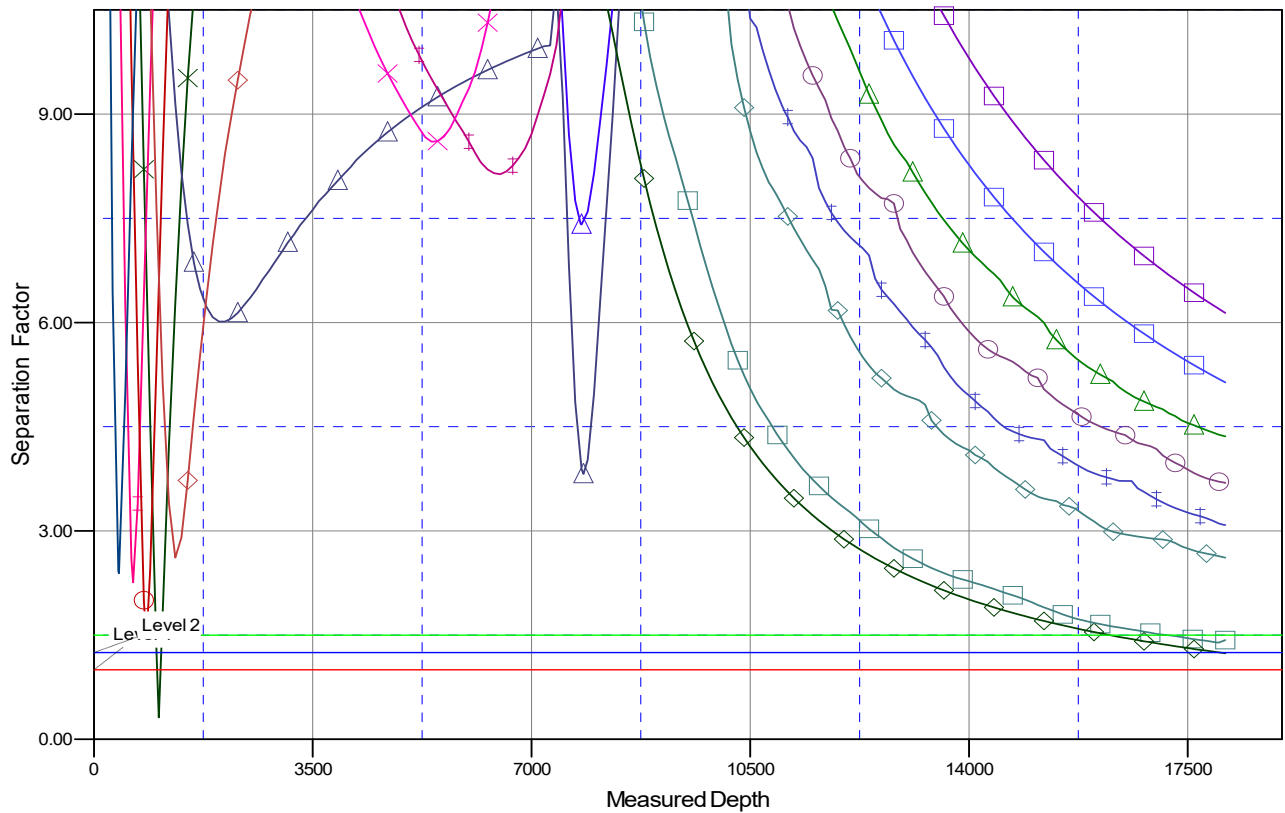
## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.11usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.11usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<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' @ 5657.11usft  
 Offset Depths are relative to Offset Datum  
 Central Meridian is 105.500000°W

Coordinates are relative to: PROPERTY RESERVE 4-65 3-4 4AH  
 Coordinate System is US State Plane 1983, Colorado Central Zone  
 Grid Convergence at Surface is: 0.54°

### Separation Factor Plot



#### LEGEND

<ul style="list-style-type: none"> <li>EXIST HZ PROPERTY RESERVE 4-65 3-4 2AH OMB, FINAL SURVEY V0</li> <li>EXIST HZ PROPERTY RESERVE 4-65 3-4 2CH OMB, FINAL SURVEY V0</li> <li>EXIST HZ PROPERTY RESERVE 4-65 3-4 1H OMB, FINAL SURVEY V0</li> <li>EXIST HZ PROPERTY RESERVE 4-65 3-4 2BH OMB, FINAL SURVEY V0</li> <li>EXIST HZ PROPERTY RESERVE 4-65 3-4 2DH OMB, FINAL SURVEY V0</li> <li>PROSPERFARMS 4-65 2-16 2BH OMB, PROPOSAL 1 V0</li> </ul>	<ul style="list-style-type: none"> <li>PROSPERFARMS 4-65 2-16 3BH OMB, PROPOSAL 1 V0</li> <li>PROSPERFARMS 4-65 2-16 3CH OMB, PROPOSAL 1 V0</li> <li>EXIST HZ PROSPERFARMS 4-65 2-1 4AH OMB, FINAL SURVEY V0</li> <li>PROSPERFARMS 4-65 2-16 1BH OMB, PROPOSAL 1 V0</li> <li>PROPERTY RESERVE 4-65 3-4 1BH OMB, PROPOSAL 1 V0</li> <li>PROSPERFARMS 4-65 2-16 2AH OMB, PROPOSAL 1 V0</li> </ul>	<ul style="list-style-type: none"> <li>PROSPERFARMS 4-65 2-16 3AH OMB, PROPOSAL 1 V0</li> <li>PROPERTY RESERVE 4-65 3-4 1AH OMB, PROPOSAL 1 V0</li> <li>PROSPERFARMS 4-65 2-16 1AH OMB, PROPOSAL 1 V0</li> <li>EXIST HZ PROSPERFARMS 4-65 2-1 4CH OMB, FINAL SURVEY V0</li> <li>PROPERTY RESERVE 4-65 3-4 3BH OMB, PROPOSAL 1 V0</li> </ul>
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