

# **CRESTONE PEAK RESOURCES**

**ARAPAHOE COUNTY**

**SEC 2-T4S-R65W**

**PROPERTY RESERVE 4-65 3-4 3BH**

**OWB**

**PROPOSAL 1**

## **Anticollision Report**

**12 August, 2022**

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<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>	8/12/2022		
<b>From (usft)</b>	<b>To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
0.00	18,046.30	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	0.00	26.36	390.92			
EXIST HZ PROSPER FARMS 4-65 2-1 4AH - OWB - FIN	6,900.00	6,879.09	900.63	852.02	18.529	SF
EXIST HZ PROSPER FARMS 4-65 2-1 4CH - OWB - FIN	0.00	27.25	393.32			
EXIST HZ PROSPER FARMS 4-65 2-1 4CH - OWB - FIN	200.00	227.04	393.55	392.44	355.485	ES
EXIST HZ PROSPER FARMS 4-65 2-1 4CH - OWB - FIN	5,500.00	5,467.32	791.21	752.50	20.439	SF
PROPERTY RESERVE 4-65 3-4 1AH - OWB - PROPOS	100.00	99.80	39.71	39.44	147.835	CC, ES
PROPERTY RESERVE 4-65 3-4 1AH - OWB - PROPOS	18,046.30	18,650.33	2,802.97	2,232.06	4.910	SF
PROPERTY RESERVE 4-65 3-4 1BH - OWB - PROPOS	200.00	199.90	19.67	18.69	19.961	CC
PROPERTY RESERVE 4-65 3-4 1BH - OWB - PROPOS	300.00	299.22	19.95	18.24	11.718	ES
PROPERTY RESERVE 4-65 3-4 1BH - OWB - PROPOS	18,046.30	18,563.50	2,234.44	1,664.16	3.918	SF
PROPERTY RESERVE 4-65 3-4 4AH - OWB - PROPOS	100.00	100.10	20.03	19.77	74.482	CC, ES
PROPERTY RESERVE 4-65 3-4 4AH - OWB - PROPOS	18,046.30	18,074.48	703.24	136.36	1.241	Level 2, SF
PROSPER FARMS 4-65 2-1-6 1AH - OWB - PROPOSAL	735.71	738.83	0.33	-4.79	0.065	Level 1, CC, ES, SF
PROSPER FARMS 4-65 2-1-6 1BH - OWB - PROPOSAL	989.39	996.57	6.32	-0.87	0.879	Level 1, CC, ES, SF
PROSPER FARMS 4-65 2-1-6 2AH - OWB - PROPOSAL	1,210.88	1,222.34	22.28	13.25	2.468	CC, ES, SF
PROSPER FARMS 4-65 2-1-6 2BH - OWB - PROPOSAL	1,547.78	1,560.68	56.07	44.39	4.800	CC, ES
PROSPER FARMS 4-65 2-1-6 2BH - OWB - PROPOSAL	1,700.00	1,711.52	59.70	46.85	4.647	SF
PROSPER FARMS 4-65 2-1-6 3AH - OWB - PROPOSAL	200.00	200.50	120.21	119.22	121.720	CC
PROSPER FARMS 4-65 2-1-6 3AH - OWB - PROPOSAL	7,789.21	7,833.85	146.68	86.85	2.452	ES
PROSPER FARMS 4-65 2-1-6 3AH - OWB - PROPOSAL	7,800.00	7,830.17	147.03	86.97	2.448	SF
PROSPER FARMS 4-65 2-1-6 3BH - OWB - PROPOSAL	200.00	200.40	140.24	139.25	142.053	CC, ES
PROSPER FARMS 4-65 2-1-6 3BH - OWB - PROPOSAL	7,820.01	7,822.89	466.02	406.27	7.800	SF
PROSPER FARMS 4-65 2-1-6 3CH - OWB - PROPOSA	200.00	200.30	160.28	159.29	162.411	CC, ES
PROSPER FARMS 4-65 2-1-6 3CH - OWB - PROPOSA	8,000.00	7,688.05	1,140.68	1,080.27	18.880	SF

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<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 -	10,587.02	9,650.55	1,401.71	1,256.42	9.648	CC
EXIST HZ PROPERTY RESERVE 4-65 3-4 1H - OWB -	17,917.63	16,991.30	1,426.00	900.10	2.712	ES, SF
EXIST HZ PROPERTY RESERVE 4-65 3-4 2AH - OWB	5,513.05	5,371.00	1,325.85	1,287.48	34.554	CC
EXIST HZ PROPERTY RESERVE 4-65 3-4 2AH - OWB	17,900.00	17,373.16	1,674.85	1,136.88	3.113	ES
EXIST HZ PROPERTY RESERVE 4-65 3-4 2AH - OWB	18,046.30	17,490.33	1,683.68	1,138.94	3.091	SF
EXIST HZ PROPERTY RESERVE 4-65 3-4 2BH - OWB	6,906.20	6,823.80	1,165.06	1,115.83	23.665	CC
EXIST HZ PROPERTY RESERVE 4-65 3-4 2BH - OWB	17,900.00	17,730.21	1,342.05	799.49	2.474	ES
EXIST HZ PROPERTY RESERVE 4-65 3-4 2BH - OWB	18,046.30	17,820.18	1,349.41	801.32	2.462	SF
EXIST HZ PROPERTY RESERVE 4-65 3-4 2CH - OWB	11,004.06	10,736.00	957.00	774.01	5.230	CC
EXIST HZ PROPERTY RESERVE 4-65 3-4 2CH - OWB	18,046.30	17,762.00	1,020.95	469.57	1.852	ES, SF
EXIST HZ PROPERTY RESERVE 4-65 3-4 2DH - OWB	9,081.30	8,874.98	660.88	571.06	7.358	CC
EXIST HZ PROPERTY RESERVE 4-65 3-4 2DH - OWB	18,046.30	17,834.40	765.13	224.78	1.416	Level 3, ES, SF

<b>Offset Design</b> 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	Vertical	Measured	Vertical	Semi Major Axis		Highside	Offset Wellbore Centre		Distance				Warning
Measured Depth (usft)	Depth (usft)	Depth (usft)	Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	26.36	26.36	0.00	0.03	-179.36	-390.90	-4.34	390.92				
100.00	100.00	124.32	124.30	0.13	0.29	-179.07	-391.51	-6.36	391.58	391.15	0.42	924.975	
200.00	200.00	224.48	224.42	0.49	0.65	-178.71	-392.26	-8.83	392.38	391.23	1.14	343.463	
300.00	299.98	324.62	324.53	0.85	1.01	-145.05	-392.97	-11.28	394.57	392.71	1.86	211.782	
400.00	399.84	424.66	424.54	1.22	1.37	-145.08	-393.62	-13.65	399.57	396.98	2.59	154.346	
500.00	499.52	524.21	524.06	1.58	1.73	-145.37	-394.29	-15.97	406.80	403.48	3.32	122.714	
600.00	599.20	624.04	623.85	1.96	2.09	-145.66	-394.94	-18.46	414.15	410.11	4.04	102.548	
700.00	698.87	723.77	723.55	2.33	2.45	-145.95	-395.60	-20.90	421.52	416.76	4.76	88.489	
800.00	798.54	823.44	823.19	2.71	2.82	-146.22	-396.23	-23.39	428.88	423.39	5.49	78.132	
900.00	898.22	922.31	922.03	3.09	3.17	-146.50	-396.94	-25.72	436.34	430.12	6.21	70.239	
1,000.00	997.89	1,019.15	1,018.85	3.47	3.52	-146.81	-398.01	-27.60	444.19	437.26	6.92	64.151	
1,100.00	1,097.57	1,117.74	1,117.42	3.85	3.87	-147.28	-399.65	-28.31	452.62	444.98	7.64	59.266	
1,200.00	1,197.24	1,218.66	1,218.33	4.23	4.22	-147.73	-401.25	-29.04	461.00	452.64	8.36	55.143	
1,300.00	1,296.91	1,318.69	1,318.34	4.61	4.58	-148.14	-402.60	-29.97	469.17	460.09	9.08	51.658	
1,400.00	1,396.59	1,418.42	1,418.06	4.99	4.94	-148.54	-403.90	-30.92	477.33	467.52	9.80	48.686	
1,500.00	1,496.26	1,517.66	1,517.29	5.37	5.29	-148.91	-405.24	-31.91	485.53	475.01	10.52	46.133	
1,600.00	1,595.93	1,617.17	1,616.78	5.75	5.65	-149.28	-406.63	-32.83	493.82	482.58	11.25	43.912	
1,700.00	1,695.61	1,717.22	1,716.82	6.13	6.01	-149.66	-407.95	-33.57	502.06	490.10	11.97	41.950	
1,800.00	1,795.28	1,816.81	1,816.40	6.51	6.36	-150.04	-409.23	-34.17	510.30	497.61	12.69	40.218	
1,900.00	1,894.95	1,916.25	1,915.83	6.89	6.72	-150.42	-410.52	-34.71	518.57	505.16	13.41	38.677	
2,000.00	1,994.63	2,015.98	2,015.55	7.27	7.07	-150.78	-411.84	-35.24	526.88	512.75	14.13	37.294	
2,100.00	2,094.30	2,115.88	2,115.44	7.65	7.43	-151.15	-413.09	-35.71	535.15	520.31	14.85	36.040	
2,200.00	2,193.97	2,214.72	2,214.27	8.03	7.78	-151.48	-414.32	-36.29	543.44	527.87	15.57	34.911	
2,300.00	2,293.65	2,313.06	2,312.58	8.41	8.14	-151.71	-415.94	-37.71	552.05	535.77	16.28	33.903	
2,400.00	2,393.32	2,411.61	2,411.12	8.79	8.49	-151.99	-417.53	-38.69	560.69	543.69	17.00	32.981	
2,500.00	2,492.99	2,510.57	2,510.05	9.17	8.85	-152.25	-419.62	-39.62	569.83	552.11	17.72	32.161	
2,600.00	2,592.67	2,611.53	2,611.00	9.55	9.20	-152.64	-421.11	-39.34	578.49	560.05	18.44	31.379	
2,700.00	2,692.34	2,710.94	2,710.35	9.93	9.54	-153.29	-422.51	-36.27	587.43	568.30	19.13	30.703	
2,800.00	2,792.01	2,811.53	2,810.90	10.31	9.87	-153.91	-423.61	-33.36	596.11	576.28	19.83	30.058	
2,900.00	2,891.69	2,911.20	2,910.53	10.69	10.21	-154.46	-424.74	-30.88	604.84	584.31	20.53	29.462	
3,000.00	2,991.36	3,010.50	3,009.79	11.07	10.54	-154.98	-425.86	-28.67	613.57	592.34	21.23	28.904	

CC - Min centre to center distance or convergent 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 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
3,100.00	3,091.03	3,109.06	3,108.32	11.45	10.88	-155.49	-427.03	-26.28	622.45	600.53	21.92	28.392		
3,200.00	3,190.71	3,213.58	3,212.76	11.83	11.23	-156.16	-427.80	-22.26	631.18	608.53	22.64	27.874		
3,300.00	3,290.38	3,313.29	3,312.36	12.21	11.57	-156.87	-427.79	-17.58	639.39	616.05	23.34	27.395		
3,400.00	3,390.05	3,413.39	3,412.36	12.59	11.90	-157.53	-427.82	-13.22	647.68	623.64	24.04	26.943		
3,500.00	3,489.73	3,511.07	3,509.97	12.97	12.24	-158.10	-428.06	-9.63	656.11	631.38	24.73	26.531		
3,600.00	3,589.40	3,613.99	3,612.84	13.35	12.59	-158.64	-428.26	-6.31	664.48	639.03	25.45	26.113		
3,700.00	3,689.07	3,711.12	3,709.93	13.73	12.92	-159.10	-428.56	-3.68	672.89	646.75	26.14	25.744		
3,800.00	3,788.75	3,811.34	3,810.13	14.12	13.27	-159.52	-428.95	-1.41	681.32	654.48	26.85	25.379		
3,900.00	3,888.42	3,913.39	3,912.15	14.50	13.62	-159.92	-429.57	0.68	689.97	662.41	27.56	25.032		
4,000.00	3,988.09	4,025.11	4,023.83	14.88	14.00	-160.43	-428.00	3.41	696.73	668.41	28.32	24.604		
4,100.00	4,087.77	4,121.43	4,120.12	15.26	14.33	-160.81	-426.62	5.26	703.43	674.42	29.01	24.252		
4,200.00	4,187.44	4,219.48	4,218.16	15.64	14.66	-161.14	-425.74	6.60	710.54	680.84	29.70	23.923		
4,300.00	4,287.11	4,319.17	4,317.84	16.02	15.00	-161.43	-425.07	7.42	717.75	687.35	30.40	23.607		
4,400.00	4,386.79	4,415.56	4,414.22	16.40	15.33	-161.68	-424.61	7.95	725.10	694.00	31.09	23.319		
4,500.00	4,486.46	4,510.46	4,509.12	16.78	15.66	-161.87	-424.92	8.11	733.13	701.34	31.78	23.066		
4,600.00	4,586.14	4,608.83	4,607.49	17.16	16.01	-162.01	-425.88	7.66	741.62	709.13	32.49	22.824		
4,700.00	4,685.81	4,709.08	4,707.73	17.54	16.37	-162.20	-426.64	7.88	750.09	716.88	33.21	22.586		
4,800.00	4,785.48	4,824.72	4,823.37	17.92	16.77	-162.44	-426.46	8.16	757.75	723.75	33.99	22.291		
4,900.00	4,885.16	4,928.55	4,927.19	18.30	17.12	-162.65	-424.73	7.85	763.77	729.05	34.71	22.003		
5,000.00	4,984.83	5,025.06	5,023.68	18.68	17.45	-162.83	-423.14	7.53	769.81	734.41	35.40	21.744		
5,100.00	5,084.50	5,121.31	5,119.93	19.06	17.78	-163.01	-421.95	7.40	776.31	740.21	36.09	21.509		
5,200.00	5,184.18	5,221.37	5,219.98	19.44	18.12	-163.24	-420.77	7.81	783.03	746.23	36.80	21.279		
5,300.00	5,283.85	5,324.16	5,322.74	19.82	18.47	-163.53	-419.02	8.97	789.47	751.95	37.52	21.044		
5,400.00	5,383.52	5,422.93	5,421.49	20.21	18.81	-163.82	-417.19	10.22	795.82	757.61	38.22	20.824		
5,500.00	5,483.20	5,521.91	5,520.45	20.59	19.15	-164.09	-415.56	11.40	802.38	763.46	38.92	20.617		
5,600.00	5,582.87	5,625.50	5,624.02	20.97	19.51	-164.36	-413.73	12.41	808.77	769.12	39.64	20.402		
5,700.00	5,682.54	5,727.68	5,726.17	21.35	19.86	-164.62	-411.38	13.13	814.58	774.22	40.36	20.184		
5,800.00	5,782.22	5,825.30	5,823.77	21.73	20.20	-164.86	-409.26	13.80	820.53	779.47	41.06	19.986		
5,900.00	5,881.89	5,926.78	5,925.23	22.11	20.55	-165.08	-407.26	14.32	826.62	784.85	41.77	19.790		
6,000.00	5,981.56	6,035.92	6,034.33	22.49	20.93	-165.30	-404.52	14.27	832.05	789.54	42.51	19.571		
6,100.00	6,081.24	6,143.08	6,141.41	22.87	21.30	-165.51	-400.65	13.92	836.35	793.10	43.25	19.338		
6,200.00	6,180.91	6,233.05	6,231.32	23.25	21.61	-165.73	-397.28	14.29	840.78	796.85	43.92	19.143		
6,300.00	6,280.58	6,325.08	6,323.27	23.63	21.93	-166.08	-394.26	16.71	846.38	801.78	44.60	18.978		
6,400.00	6,380.26	6,422.35	6,420.40	24.01	22.27	-166.54	-391.11	20.91	852.64	807.35	45.30	18.824		
6,500.00	6,479.93	6,511.18	6,509.04	24.39	22.58	-167.04	-388.36	25.99	859.59	813.64	45.95	18.706		
6,600.00	6,579.60	6,596.07	6,593.67	24.77	22.88	-167.57	-386.54	32.33	868.12	821.54	46.58	18.637		
6,700.00	6,679.28	6,686.00	6,683.24	25.15	23.20	-168.19	-385.57	40.30	878.23	831.00	47.23	18.595		
6,800.00	6,778.95	6,779.55	6,776.30	25.53	23.53	-168.88	-384.78	49.84	889.19	841.29	47.90	18.564		
6,900.00	6,878.62	6,879.09	6,875.12	25.92	23.89	-169.71	-383.59	61.68	900.63	852.02	48.61	18.529 SF		
7,000.00	6,978.30	6,964.59	6,959.73	26.30	24.20	-170.54	-381.89	73.87	912.55	863.33	49.22	18.541		
7,100.00	7,077.97	7,052.13	7,045.83	26.68	24.52	-171.54	-380.43	89.55	926.47	876.64	49.84	18.591		
7,200.00	7,177.64	7,153.07	7,144.73	27.06	24.89	-172.80	-377.98	109.63	940.98	890.42	50.56	18.612		
7,300.00	7,277.20	7,250.55	7,239.91	27.44	25.26	-174.13	-374.36	130.35	956.17	904.92	51.26	18.655		
7,400.00	7,374.70	7,337.97	7,325.28	27.87	25.59	-175.67	-371.32	148.93	978.90	927.01	51.89	18.864		
7,500.00	7,467.14	7,403.08	7,388.83	28.34	25.84	-177.39	-369.43	162.97	1,011.43	959.08	52.35	19.321		
7,600.00	7,551.72	7,443.88	7,428.28	28.86	26.01	-179.25	-368.50	173.26	1,055.45	1,002.87	52.58	20.075		
7,700.00	7,625.87	7,471.98	7,455.06	29.46	26.12	-181.24	-367.65	181.76	1,110.38	1,057.70	52.68	21.076		
7,800.00	7,687.33	7,507.00	7,487.86	30.18	26.26	-183.34	-366.32	193.94	1,174.77	1,121.83	52.95	22.188		
7,900.00	7,734.24	7,507.00	7,487.86	31.04	26.26	-185.54	-366.32	193.94	1,245.42	1,192.51	52.91	23.539		
8,000.00	7,765.16	7,507.00	7,487.86	32.07	26.26	-187.84	-366.32	193.94	1,320.21	1,267.21	53.00	24.909		
8,100.00	7,779.17	7,507.00	7,487.86	33.26	26.26	-190.19	-366.32	193.94	1,396.40	1,343.17	53.23	26.234		
8,200.00	7,780.00	7,471.04	7,454.17	34.59	26.12	-192.66	-367.68	181.45	1,471.68	1,418.53	53.15	27.687		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
8,300.00	7,780.00	7,459.37	7,443.09	36.06	26.07	-67.35	-368.05	177.80	1,549.74	1,496.36	53.38	29.033		
8,400.00	7,780.00	7,448.87	7,433.06	37.67	26.03	-66.80	-368.36	174.69	1,629.98	1,576.37	53.61	30.402		
8,500.00	7,780.00	7,412.00	7,397.50	39.41	25.88	-64.88	-369.24	165.03	1,712.80	1,659.22	53.58	31.968		
8,600.00	7,780.00	7,412.00	7,397.50	41.24	25.88	-64.88	-369.24	165.03	1,796.28	1,742.36	53.91	33.318		
8,700.00	7,780.00	7,412.00	7,397.50	43.17	25.88	-64.88	-369.24	165.03	1,881.36	1,827.14	54.22	34.696		
8,800.00	7,780.00	7,412.00	7,397.50	45.18	25.88	-64.88	-369.24	165.03	1,967.85	1,913.34	54.52	36.097		
8,900.00	7,780.00	7,412.00	7,397.50	47.25	25.88	-64.88	-369.24	165.03	2,055.57	2,000.79	54.79	37.521		
9,000.00	7,780.00	7,399.00	7,384.85	49.39	25.83	-64.21	-369.52	162.04	2,144.26	2,089.33	54.93	39.033		
9,100.00	7,780.00	7,390.57	7,376.64	51.58	25.79	-63.78	-369.73	160.16	2,233.83	2,178.72	55.11	40.534		
9,200.00	7,780.00	7,379.00	7,365.35	53.81	25.75	-63.20	-370.06	157.65	2,324.17	2,268.92	55.25	42.066		
9,300.00	7,780.00	7,368.12	7,354.72	56.09	25.71	-62.65	-370.38	155.34	2,415.18	2,359.79	55.39	43.605		
9,400.00	7,780.00	7,347.93	7,335.00	58.40	25.63	-61.66	-371.01	151.05	2,506.72	2,451.27	55.45	45.205		
9,500.00	7,780.00	7,327.74	7,315.29	60.74	25.55	-60.69	-371.66	146.76	2,598.72	2,543.21	55.51	46.812		
9,600.00	7,780.00	7,307.55	7,295.57	63.11	25.48	-59.74	-372.33	142.47	2,691.13	2,635.56	55.57	48.426		
9,700.00	7,780.00	7,287.58	7,276.07	65.51	25.40	-58.82	-373.02	138.23	2,783.91	2,728.28	55.63	50.046		
9,800.00	7,780.00	7,266.04	7,255.04	67.93	25.32	-57.85	-373.79	133.65	2,877.02	2,821.35	55.67	51.680		
9,900.00	7,780.00	7,244.43	7,233.93	70.37	25.24	-56.90	-374.58	129.04	2,970.43	2,914.72	55.71	53.319		
10,000.00	7,780.00	7,222.74	7,212.76	72.82	25.15	-55.96	-375.39	124.42	3,064.10	3,008.35	55.75	54.963		
10,100.00	7,780.00	7,200.98	7,191.51	75.30	25.07	-55.05	-376.23	119.77	3,158.01	3,102.23	55.78	56.611		
10,200.00	7,780.00	7,182.36	7,173.34	77.79	25.00	-54.29	-376.95	115.79	3,252.15	3,196.31	55.84	58.245		
10,300.00	7,780.00	7,167.27	7,158.60	80.29	24.95	-53.68	-377.50	112.60	3,346.52	3,290.62	55.90	59.862		
10,400.00	7,780.00	7,152.53	7,144.20	82.80	24.89	-53.09	-378.00	109.52	3,441.12	3,385.15	55.97	61.481		
10,500.00	7,780.00	7,138.15	7,130.14	85.32	24.84	-52.52	-378.44	106.55	3,535.94	3,479.90	56.04	63.101		
10,600.00	7,780.00	7,124.11	7,116.39	87.86	24.79	-51.98	-378.84	103.68	3,630.95	3,574.85	56.10	64.722		
10,700.00	7,780.00	7,110.39	7,102.96	90.40	24.73	-51.45	-379.20	100.92	3,726.14	3,669.98	56.16	66.345		
10,800.00	7,780.00	7,096.00	7,088.86	92.95	24.68	-50.91	-379.54	98.05	3,821.51	3,765.29	56.22	67.974		
10,900.00	7,780.00	7,096.00	7,088.86	95.51	24.68	-50.91	-379.54	98.05	3,917.08	3,860.73	56.35	69.517		
11,000.00	7,780.00	7,073.37	7,066.68	98.08	24.60	-50.07	-380.02	93.62	4,012.75	3,956.39	56.36	71.202		
11,100.00	7,780.00	7,062.00	7,055.52	100.66	24.56	-49.66	-380.25	91.43	4,108.60	4,052.17	56.42	72.819		
11,200.00	7,780.00	7,050.87	7,044.60	103.24	24.51	-49.25	-380.46	89.31	4,204.59	4,148.10	56.49	74.436		
11,300.00	7,780.00	7,039.99	7,033.91	105.82	24.47	-48.87	-380.66	87.26	4,300.71	4,244.16	56.55	76.052		
11,400.00	7,780.00	7,029.34	7,023.45	108.41	24.43	-48.49	-380.84	85.27	4,396.96	4,340.35	56.61	77.669		
11,500.00	7,780.00	7,018.91	7,013.21	111.01	24.40	-48.13	-381.02	83.35	4,493.33	4,436.66	56.67	79.285		
11,600.00	7,780.00	7,002.00	6,996.58	113.61	24.33	-47.54	-381.28	80.27	4,589.83	4,533.12	56.70	80.943		
11,700.00	7,780.00	7,002.00	6,996.58	116.21	24.33	-47.54	-381.28	80.27	4,686.42	4,629.61	56.81	82.494		
11,800.00	7,780.00	7,002.00	6,996.58	118.82	24.33	-47.54	-381.28	80.27	4,783.14	4,726.23	56.91	84.044		
11,900.00	7,780.00	7,002.00	6,996.58	121.43	24.33	-47.54	-381.28	80.27	4,880.00	4,822.99	57.01	85.596		
12,000.00	7,780.00	7,002.00	6,996.58	124.05	24.33	-47.54	-381.28	80.27	4,976.99	4,919.88	57.11	87.148		
12,100.00	7,780.00	7,002.00	6,996.58	126.67	24.33	-47.54	-381.28	80.27	5,074.09	5,016.88	57.21	88.699		
12,200.00	7,780.00	7,002.00	6,996.58	129.29	24.33	-47.54	-381.28	80.27	5,171.30	5,114.00	57.30	90.251		
12,300.00	7,780.00	6,970.53	6,965.59	131.92	24.22	-46.49	-381.78	74.84	5,268.27	5,211.01	57.26	91.999		
12,400.00	7,780.00	6,966.05	6,961.16	134.54	24.20	-46.34	-381.86	74.11	5,365.59	5,308.25	57.34	93.577		
12,500.00	7,780.00	6,961.67	6,956.85	137.17	24.19	-46.20	-381.94	73.40	5,462.98	5,405.57	57.41	95.153		
12,600.00	7,780.00	6,957.42	6,952.65	139.81	24.17	-46.06	-382.02	72.72	5,560.46	5,502.97	57.49	96.728		
12,700.00	7,780.00	6,953.27	6,948.55	142.44	24.16	-45.92	-382.09	72.07	5,658.01	5,600.45	57.56	98.301		
12,800.00	7,780.00	6,949.22	6,944.55	145.08	24.14	-45.79	-382.17	71.44	5,755.64	5,698.00	57.63	99.871		
12,900.00	7,780.00	6,945.28	6,940.66	147.72	24.13	-45.67	-382.24	70.83	5,853.33	5,795.63	57.70	101.440		
13,000.00	7,780.00	6,941.43	6,936.86	150.36	24.11	-45.54	-382.32	70.25	5,951.09	5,893.32	57.77	103.007		
13,100.00	7,780.00	6,908.00	6,903.77	153.00	23.99	-44.50	-383.01	65.48	6,049.21	5,991.47	57.74	104.771		
13,200.00	7,780.00	6,908.00	6,903.77	155.65	23.99	-44.50	-383.01	65.48	6,147.03	6,089.20	57.82	106.308		
13,300.00	7,780.00	6,908.00	6,903.77	158.29	23.99	-44.50	-383.01	65.48	6,244.91	6,187.01	57.91	107.843		
13,400.00	7,780.00	6,908.00	6,903.77	160.94	23.99	-44.50	-383.01	65.48	6,342.87	6,284.88	57.99	109.377		

CC - Min centre to center distance or convergent 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 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
13,500.00	7,780.00	6,908.00	6,903.77	163.59	23.99	-44.50	-383.01	65.48	6,440.88	6,382.81	58.07	110.908		
13,600.00	7,780.00	6,908.00	6,903.77	166.24	23.99	-44.50	-383.01	65.48	6,538.96	6,480.80	58.16	112.437		
13,700.00	7,780.00	6,908.00	6,903.77	168.90	23.99	-44.50	-383.01	65.48	6,637.09	6,578.85	58.24	113.963		
13,800.00	7,780.00	6,908.00	6,903.77	171.55	23.99	-44.50	-383.01	65.48	6,735.28	6,676.96	58.32	115.488		
13,900.00	7,780.00	6,908.00	6,903.77	174.20	23.99	-44.50	-383.01	65.48	6,833.52	6,775.12	58.40	117.010		
14,000.00	7,780.00	6,908.00	6,903.77	176.86	23.99	-44.50	-383.01	65.48	6,931.81	6,873.33	58.48	118.529		
14,100.00	7,780.00	6,908.00	6,903.77	179.52	23.99	-44.50	-383.01	65.48	7,030.15	6,971.59	58.56	120.046		
14,200.00	7,780.00	6,908.00	6,903.77	182.18	23.99	-44.50	-383.01	65.48	7,128.53	7,069.89	58.64	121.560		
14,300.00	7,780.00	6,908.00	6,903.77	184.83	23.99	-44.50	-383.01	65.48	7,226.96	7,168.24	58.72	123.071		
14,400.00	7,780.00	6,884.32	6,880.31	187.49	23.91	-43.78	-383.49	62.35	7,325.35	7,266.62	58.72	124.740		
14,500.00	7,780.00	6,878.85	6,874.88	190.16	23.89	-43.62	-383.59	61.65	7,423.81	7,365.03	58.79	126.283		
14,600.00	7,780.00	6,873.46	6,869.54	192.82	23.87	-43.46	-383.68	60.96	7,522.31	7,463.46	58.85	127.823		
14,700.00	7,780.00	6,868.17	6,864.29	195.48	23.85	-43.30	-383.77	60.28	7,620.84	7,561.93	58.91	129.359		
14,800.00	7,780.00	6,862.96	6,859.12	198.14	23.83	-43.15	-383.86	59.63	7,719.40	7,660.42	58.98	130.891		
14,900.00	7,780.00	6,857.83	6,854.04	200.81	23.81	-43.00	-383.94	58.99	7,817.99	7,758.95	59.04	132.420		
15,000.00	7,780.00	6,852.79	6,849.04	203.47	23.80	-42.85	-384.01	58.36	7,916.60	7,857.50	59.10	133.945		
15,100.00	7,780.00	6,847.84	6,844.12	206.14	23.78	-42.70	-384.08	57.75	8,015.24	7,956.07	59.17	135.467		
15,200.00	7,780.00	6,842.96	6,839.28	208.81	23.76	-42.56	-384.15	57.16	8,113.91	8,054.67	59.23	136.984		
15,300.00	7,780.00	6,838.15	6,834.51	211.48	23.74	-42.43	-384.21	56.58	8,212.60	8,153.30	59.30	138.498		
15,400.00	7,780.00	6,813.00	6,809.53	214.14	23.65	-41.71	-384.48	53.61	8,311.38	8,252.08	59.30	140.160		
15,500.00	7,780.00	6,813.00	6,809.53	216.81	23.65	-41.71	-384.48	53.61	8,410.09	8,350.71	59.38	141.632		
15,600.00	7,780.00	6,813.00	6,809.53	219.48	23.65	-41.71	-384.48	53.61	8,508.83	8,449.37	59.46	143.100		
15,700.00	7,780.00	6,813.00	6,809.53	222.15	23.65	-41.71	-384.48	53.61	8,607.61	8,548.06	59.54	144.565		
15,800.00	7,780.00	6,813.00	6,809.53	224.82	23.65	-41.71	-384.48	53.61	8,706.41	8,646.78	59.62	146.025		
15,900.00	7,780.00	6,813.00	6,809.53	227.49	23.65	-41.71	-384.48	53.61	8,805.23	8,745.53	59.70	147.483		
16,000.00	7,780.00	6,813.00	6,809.53	230.16	23.65	-41.71	-384.48	53.61	8,904.09	8,844.30	59.78	148.936		
16,100.00	7,780.00	6,813.00	6,809.53	232.84	23.65	-41.71	-384.48	53.61	9,002.97	8,943.10	59.87	150.385		
16,200.00	7,780.00	6,813.00	6,809.53	235.51	23.65	-41.71	-384.48	53.61	9,101.87	9,041.92	59.95	151.831		
16,300.00	7,780.00	6,813.00	6,809.53	238.18	23.65	-41.71	-384.48	53.61	9,200.80	9,140.77	60.03	153.272		
16,400.00	7,780.00	6,813.00	6,809.53	240.86	23.65	-41.71	-384.48	53.61	9,299.75	9,239.64	60.11	154.710		
16,500.00	7,780.00	6,784.05	6,780.77	243.53	23.55	-40.91	-384.74	50.34	9,398.60	9,338.50	60.11	156.365		
16,600.00	7,780.00	6,779.81	6,776.55	246.20	23.53	-40.80	-384.77	49.87	9,497.56	9,437.39	60.18	157.828		
16,700.00	7,780.00	6,775.62	6,772.39	248.88	23.52	-40.68	-384.81	49.41	9,596.54	9,536.29	60.25	159.286		
16,800.00	7,780.00	6,771.49	6,768.28	251.55	23.50	-40.57	-384.85	48.96	9,695.53	9,635.21	60.32	160.740		
16,900.00	7,780.00	6,767.40	6,764.22	254.23	23.49	-40.46	-384.88	48.52	9,794.54	9,734.15	60.39	162.189		
17,000.00	7,780.00	6,763.38	6,760.22	256.91	23.48	-40.36	-384.92	48.09	9,893.56	9,833.10	60.46	163.634		
17,100.00	7,780.00	6,759.40	6,756.26	259.58	23.46	-40.25	-384.95	47.66	9,992.60	9,932.06	60.53	165.075		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	27.25	27.25	0.00	0.04	-173.58	-390.86	-43.95	393.32					
100.00	100.00	126.99	126.98	0.13	0.26	-173.40	-390.86	-45.21	393.47	393.08	0.39	1,010.873		
200.00	200.00	227.04	227.03	0.49	0.61	-173.20	-390.78	-46.61	393.55	392.44	1.11	355.485 ES		
300.00	299.98	326.80	326.77	0.85	0.97	-139.74	-390.80	-47.82	395.05	393.23	1.82	216.579		
400.00	399.84	426.68	426.65	1.22	1.33	-140.02	-390.85	-48.89	399.23	396.68	2.55	156.765		
500.00	499.52	527.49	527.45	1.58	1.69	-140.60	-390.84	-49.72	405.39	402.11	3.27	123.795		
600.00	599.20	627.60	627.56	1.96	2.05	-141.24	-390.59	-50.28	411.47	407.47	4.00	102.932		
700.00	698.87	727.33	727.29	2.33	2.41	-141.84	-390.31	-50.93	417.59	412.86	4.72	88.455		
800.00	798.54	827.81	827.76	2.71	2.77	-142.41	-389.95	-51.68	423.66	418.21	5.45	77.771		
900.00	898.22	926.26	926.22	3.09	3.12	-142.94	-389.65	-52.53	429.85	423.68	6.17	69.692		
1,000.00	997.89	1,025.93	1,025.88	3.47	3.48	-143.47	-389.48	-53.38	436.20	429.31	6.89	63.283		
1,100.00	1,097.57	1,125.56	1,125.50	3.85	3.83	-144.00	-389.35	-54.05	442.62	435.00	7.62	58.105		
1,200.00	1,197.24	1,224.93	1,224.87	4.23	4.19	-144.56	-389.23	-54.42	449.08	440.74	8.34	53.846		
1,300.00	1,296.91	1,324.07	1,324.01	4.61	4.54	-145.11	-389.30	-54.69	455.77	446.71	9.06	50.305		
1,400.00	1,396.59	1,423.51	1,423.46	4.99	4.90	-145.65	-389.36	-54.95	462.48	452.70	9.78	47.286		
1,500.00	1,496.26	1,522.36	1,522.31	5.37	5.24	-146.17	-389.59	-55.20	469.41	458.91	10.50	44.726		
1,600.00	1,595.93	1,621.21	1,621.16	5.75	5.59	-146.69	-389.97	-55.34	476.53	465.32	11.20	42.535		
1,700.00	1,695.61	1,721.43	1,721.37	6.13	5.93	-147.21	-390.43	-55.38	483.76	471.84	11.92	40.600		
1,800.00	1,795.28	1,821.09	1,821.03	6.51	6.28	-147.70	-390.77	-55.55	490.91	478.28	12.63	38.869		
1,900.00	1,894.95	1,921.20	1,921.14	6.89	6.63	-148.17	-391.09	-55.76	498.07	484.72	13.35	37.312		
2,000.00	1,994.63	2,021.23	2,021.17	7.27	6.99	-148.64	-391.31	-55.94	505.18	491.11	14.07	35.907		
2,100.00	2,094.30	2,121.50	2,121.44	7.65	7.35	-149.09	-391.45	-56.15	512.22	497.43	14.79	34.627		
2,200.00	2,193.97	2,221.32	2,221.26	8.03	7.70	-149.51	-391.52	-56.45	519.23	503.71	15.52	33.465		
2,300.00	2,293.65	2,321.39	2,321.33	8.41	8.06	-149.91	-391.56	-56.88	526.22	509.98	16.24	32.403		
2,400.00	2,393.32	2,421.29	2,421.23	8.79	8.42	-150.30	-391.51	-57.31	533.15	516.18	16.96	31.431		
2,500.00	2,492.99	2,520.63	2,520.57	9.17	8.77	-150.68	-391.48	-57.70	540.13	522.45	17.68	30.545		
2,600.00	2,592.67	2,619.70	2,619.64	9.55	9.13	-151.06	-391.54	-58.03	547.22	528.82	18.40	29.737		
2,700.00	2,692.34	2,719.45	2,719.39	9.93	9.49	-151.42	-391.68	-58.39	554.42	535.30	19.12	28.991		
2,800.00	2,792.01	2,819.78	2,819.71	10.31	9.85	-151.77	-391.75	-58.90	561.55	541.70	19.85	28.292		
2,900.00	2,891.69	2,919.82	2,919.75	10.69	10.20	-152.10	-391.73	-59.48	568.60	548.03	20.57	27.640		
3,000.00	2,991.36	3,013.54	3,013.48	11.07	10.53	-152.43	-392.04	-59.68	576.07	554.81	21.26	27.100		
3,100.00	3,091.03	3,110.39	3,110.31	11.45	10.86	-152.84	-393.20	-59.00	584.50	562.56	21.95	26.635		
3,200.00	3,190.71	3,210.94	3,210.85	11.83	11.20	-153.27	-394.47	-58.11	593.06	570.41	22.65	26.185		
3,300.00	3,290.38	3,309.68	3,309.58	12.21	11.53	-153.67	-395.66	-57.35	601.57	578.23	23.35	25.769		
3,400.00	3,390.05	3,411.41	3,411.30	12.59	11.88	-154.07	-396.81	-56.63	610.05	585.99	24.06	25.358		
3,500.00	3,489.73	3,509.06	3,508.95	12.97	12.21	-154.44	-397.89	-55.95	618.51	593.76	24.75	24.990		
3,600.00	3,589.40	3,609.44	3,609.31	13.35	12.56	-154.81	-399.09	-55.26	627.09	601.63	25.46	24.632		
3,700.00	3,689.07	3,711.48	3,711.35	13.73	12.91	-155.16	-400.04	-54.71	635.40	609.22	26.18	24.275		
3,800.00	3,788.75	3,811.34	3,811.20	14.12	13.25	-155.51	-400.73	-54.10	643.52	616.64	26.88	23.940		
3,900.00	3,888.42	3,910.29	3,910.15	14.50	13.59	-155.85	-401.48	-53.40	651.74	624.16	27.58	23.630		
4,000.00	3,988.09	4,009.89	4,009.74	14.88	13.94	-156.17	-402.26	-52.93	659.97	631.68	28.29	23.330		
4,100.00	4,087.77	4,108.70	4,108.55	15.26	14.28	-156.45	-403.18	-52.69	668.33	639.34	29.00	23.050		
4,200.00	4,187.44	4,207.70	4,207.55	15.64	14.63	-156.71	-404.21	-52.61	676.77	647.07	29.71	22.783		
4,300.00	4,287.11	4,306.49	4,306.33	16.02	14.98	-156.97	-405.36	-52.54	685.36	654.95	30.42	22.534		
4,400.00	4,386.79	4,405.88	4,405.70	16.40	15.33	-157.16	-406.70	-53.07	694.03	662.89	31.13	22.294		
4,500.00	4,486.46	4,505.20	4,505.02	16.78	15.69	-157.32	-408.14	-53.99	702.72	670.87	31.85	22.064		
4,600.00	4,586.14	4,604.63	4,604.42	17.16	16.04	-157.50	-409.56	-54.61	711.46	678.90	32.57	21.847		
4,700.00	4,685.81	4,705.20	4,704.99	17.54	16.39	-157.74	-410.82	-54.50	720.18	686.89	33.28	21.638		
4,800.00	4,785.48	4,806.34	4,806.12	17.92	16.75	-158.04	-411.72	-53.63	728.71	694.71	34.00	21.433		
4,900.00	4,885.16	4,907.11	4,906.88	18.30	17.09	-158.32	-412.45	-52.86	737.06	702.35	34.71	21.234		
5,000.00	4,984.83	5,006.96	5,006.73	18.68	17.44	-158.60	-413.05	-52.05	745.33	709.91	35.42	21.044		
5,100.00	5,084.50	5,107.91	5,107.68	19.06	17.79	-158.89	-413.53	-51.11	753.53	717.40	36.13	20.857		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
5,200.00	5,184.18	5,209.02	5,208.78	19.44	18.13	-159.20	-413.76	-49.93	761.55	724.71	36.84	20.673		
5,300.00	5,283.85	5,306.66	5,306.41	19.82	18.46	-159.51	-413.84	-48.56	769.49	731.96	37.53	20.504		
5,400.00	5,383.52	5,384.33	5,384.06	20.21	18.73	-159.73	-415.20	-47.41	779.11	741.00	38.11	20.443		
5,500.00	5,483.20	5,467.32	5,466.95	20.59	19.03	-159.97	-418.66	-45.64	791.21	752.50	38.71	20.439 SF		
5,600.00	5,582.87	5,551.42	5,550.86	20.97	19.32	-160.26	-423.53	-42.65	805.24	765.94	39.30	20.488		
5,700.00	5,682.54	5,635.00	5,634.12	21.35	19.62	-160.57	-429.77	-38.99	821.12	781.24	39.88	20.589		
5,800.00	5,782.22	5,715.74	5,714.41	21.73	19.91	-160.88	-437.20	-34.74	838.92	798.49	40.42	20.753		
5,900.00	5,881.89	5,795.36	5,793.38	22.11	20.19	-161.15	-446.38	-30.46	858.97	818.02	40.94	20.979		
6,000.00	5,981.56	5,882.57	5,879.68	22.49	20.51	-161.38	-458.15	-26.14	880.80	839.26	41.54	21.206		
6,100.00	6,081.24	5,982.68	5,978.75	22.87	20.88	-161.68	-471.36	-20.53	902.54	860.28	42.26	21.356		
6,200.00	6,180.91	6,055.00	6,050.20	23.25	21.14	-161.89	-481.67	-16.11	925.55	882.86	42.69	21.681		
6,300.00	6,280.58	6,127.40	6,121.40	23.63	21.42	-162.08	-493.91	-11.56	951.14	908.04	43.10	22.068		
6,400.00	6,380.26	6,199.89	6,192.28	24.01	21.69	-162.23	-508.31	-6.70	979.52	936.02	43.50	22.518		
6,500.00	6,479.93	6,273.26	6,263.67	24.39	21.98	-162.40	-524.29	-1.13	1,009.98	966.08	43.90	23.006		
6,600.00	6,579.60	6,345.17	6,333.25	24.77	22.26	-162.57	-541.42	4.98	1,042.62	998.34	44.28	23.548		
6,700.00	6,679.28	6,427.94	6,412.99	25.15	22.59	-162.76	-562.29	12.55	1,076.75	1,031.95	44.80	24.035		
6,800.00	6,778.95	6,511.92	6,493.63	25.53	22.94	-163.03	-583.80	21.77	1,111.81	1,066.47	45.34	24.522		
6,900.00	6,878.62	6,583.96	6,562.46	25.92	23.24	-163.36	-602.39	32.08	1,148.08	1,102.37	45.71	25.115		
7,000.00	6,978.30	6,676.70	6,650.48	26.30	23.63	-163.89	-626.93	47.94	1,185.85	1,139.48	46.38	25.571		
7,100.00	7,077.97	6,778.34	6,747.33	26.68	24.08	-164.41	-652.80	64.66	1,222.56	1,175.40	47.16	25.922		
7,200.00	7,177.64	6,895.43	6,859.33	27.06	24.59	-164.88	-682.39	81.75	1,258.66	1,210.51	48.15	26.139		
7,300.00	7,277.20	6,981.41	6,941.89	27.44	24.98	-136.19	-703.75	92.65	1,294.19	1,245.45	48.74	26.552		
7,400.00	7,374.70	7,072.82	7,029.61	27.87	25.39	-116.62	-727.63	102.08	1,334.11	1,284.67	49.44	26.982		
7,500.00	7,467.14	7,161.27	7,114.59	28.34	25.80	-108.75	-750.74	110.39	1,377.96	1,327.79	50.17	27.466		
7,600.00	7,551.72	7,224.04	7,174.88	28.86	26.09	-102.79	-767.31	115.89	1,425.71	1,375.05	50.66	28.143		
7,700.00	7,625.87	7,269.19	7,218.10	29.46	26.30	-96.95	-779.57	120.44	1,477.87	1,426.83	51.05	28.952		
7,800.00	7,687.33	7,330.87	7,277.06	30.18	26.60	-91.89	-796.24	127.40	1,533.42	1,481.64	51.78	29.615		
7,900.00	7,734.24	7,382.74	7,326.86	31.04	26.84	-86.58	-809.38	133.62	1,591.01	1,538.46	52.54	30.280		
8,000.00	7,765.16	7,405.16	7,348.43	32.07	26.95	-80.09	-814.83	136.38	1,650.18	1,597.06	53.12	31.067		
8,100.00	7,779.17	7,406.45	7,349.67	33.26	26.95	-72.97	-815.14	136.54	1,709.79	1,656.19	53.59	31.903		
8,200.00	7,780.00	7,393.32	7,337.04	34.59	26.89	-70.34	-811.95	134.92	1,769.51	1,715.51	54.01	32.763		
8,300.00	7,780.00	7,375.50	7,319.90	36.06	26.81	-69.62	-807.60	132.73	1,832.42	1,778.02	54.41	33.680		
8,400.00	7,780.00	7,358.28	7,303.36	37.67	26.73	-68.93	-803.29	130.65	1,898.41	1,843.59	54.82	34.630		
8,500.00	7,780.00	7,341.62	7,287.37	39.41	26.65	-68.26	-799.04	128.66	1,967.16	1,911.92	55.24	35.614		
8,600.00	7,780.00	7,325.50	7,271.93	41.24	26.57	-67.61	-794.84	126.78	2,038.40	1,982.76	55.65	36.631		
8,700.00	7,780.00	7,309.90	7,256.99	43.17	26.50	-66.98	-790.70	124.98	2,111.90	2,055.85	56.05	37.682		
8,800.00	7,780.00	7,294.79	7,242.54	45.18	26.43	-66.38	-786.62	123.27	2,187.41	2,130.98	56.43	38.765		
8,900.00	7,780.00	7,281.00	7,229.37	47.25	26.36	-65.83	-782.83	121.73	2,264.75	2,207.95	56.80	39.872		
9,000.00	7,780.00	7,281.00	7,229.37	49.39	26.36	-65.83	-782.83	121.73	2,343.77	2,286.47	57.30	40.904		
9,100.00	7,780.00	7,281.00	7,229.37	51.58	26.36	-65.83	-782.83	121.73	2,424.35	2,366.58	57.77	41.965		
9,200.00	7,780.00	7,262.64	7,211.83	53.81	26.27	-65.09	-777.77	119.74	2,506.20	2,448.18	58.02	43.197		
9,300.00	7,780.00	7,257.01	7,206.45	56.09	26.25	-64.87	-776.23	119.16	2,589.35	2,530.97	58.38	44.355		
9,400.00	7,780.00	7,251.56	7,201.24	58.40	26.22	-64.65	-774.74	118.59	2,673.64	2,614.93	58.72	45.535		
9,500.00	7,780.00	7,246.27	7,196.17	60.74	26.20	-64.44	-773.30	118.06	2,758.96	2,699.93	59.03	46.735		
9,600.00	7,780.00	7,241.13	7,191.26	63.11	26.17	-64.24	-771.91	117.54	2,845.22	2,785.89	59.33	47.954		
9,700.00	7,780.00	7,236.15	7,186.48	65.51	26.15	-64.04	-770.56	117.05	2,932.33	2,872.72	59.61	49.191		
9,800.00	7,780.00	7,231.30	7,181.85	67.93	26.13	-63.85	-769.26	116.58	3,020.23	2,960.35	59.87	50.443		
9,900.00	7,780.00	7,226.60	7,177.34	70.37	26.11	-63.67	-767.99	116.13	3,108.84	3,048.72	60.12	51.709		
10,000.00	7,780.00	7,222.03	7,172.95	72.82	26.08	-63.48	-766.77	115.70	3,198.11	3,137.75	60.35	52.989		
10,100.00	7,780.00	7,217.58	7,168.69	75.30	26.06	-63.31	-765.58	115.29	3,287.98	3,227.41	60.57	54.280		
10,200.00	7,780.00	7,213.25	7,164.54	77.79	26.04	-63.14	-764.42	114.89	3,378.42	3,317.64	60.78	55.583		
10,300.00	7,780.00	7,209.04	7,160.50	80.29	26.02	-62.97	-763.30	114.51	3,469.36	3,408.39	60.98	56.896		

CC - Min centre to center distance or convergent 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 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
10,400.00	7,780.00	7,187.00	7,139.32	82.80	25.92	-62.11	-757.48	112.59	3,560.88	3,499.90	60.99	58.388		
10,500.00	7,780.00	10,500.00	7,146.77	85.32	41.48	-62.41	-759.51	113.30	3,652.70	3,577.78	74.92	48.755		
10,600.00	7,780.00	10,600.00	7,138.08	87.86	41.96	-62.06	-757.15	112.48	3,744.94	3,669.42	75.52	49.588		
10,700.00	7,780.00	10,700.00	7,129.39	90.40	42.43	-61.71	-754.78	111.66	3,837.56	3,761.44	76.12	50.417		
10,800.00	7,780.00	7,199.90	7,151.73	92.95	25.98	-62.62	-760.87	113.66	3,930.55	3,868.64	61.91	63.485		
10,900.00	7,780.00	7,181.66	7,134.19	95.51	25.89	-61.90	-756.08	112.15	4,023.89	3,961.97	61.92	64.987		
11,000.00	7,780.00	7,162.13	7,115.42	98.08	25.80	-61.15	-750.97	110.47	4,117.50	4,055.59	61.91	66.512		
11,100.00	7,780.00	7,141.19	7,095.29	100.66	25.71	-60.34	-745.48	108.61	4,211.36	4,149.48	61.88	68.062		
11,200.00	7,780.00	7,118.67	7,073.65	103.24	25.60	-59.48	-739.60	106.53	4,305.45	4,243.63	61.82	69.640		
11,300.00	7,780.00	7,094.38	7,050.32	105.82	25.49	-58.56	-733.26	104.21	4,399.75	4,338.00	61.75	71.247		
11,400.00	7,780.00	7,078.81	7,035.37	108.41	25.42	-57.97	-729.20	102.68	4,494.26	4,432.50	61.76	72.770		
11,500.00	7,780.00	7,063.46	7,020.63	111.01	25.35	-57.40	-725.19	101.15	4,588.96	4,527.20	61.76	74.298		
11,600.00	7,780.00	7,047.74	7,005.53	113.61	25.28	-56.81	-721.08	99.57	4,683.86	4,622.10	61.76	75.837		
11,700.00	7,780.00	11,700.00	6,917.21	116.21	47.26	-53.49	-697.45	89.27	4,778.80	4,698.52	80.28	59.525		
11,800.00	7,780.00	6,790.44	6,758.87	118.82	24.13	-47.91	-655.91	66.51	4,873.72	4,813.96	59.77	81.547		
11,900.00	7,780.00	6,689.09	6,662.26	121.43	23.69	-44.75	-630.12	50.05	4,968.33	4,909.29	59.04	84.156		
12,000.00	7,780.00	6,637.98	6,613.71	124.05	23.47	-43.22	-616.78	41.25	5,062.93	5,004.19	58.74	86.188		
12,100.00	7,780.00	6,621.00	6,597.62	126.67	23.40	-42.72	-612.24	38.28	5,157.61	5,098.87	58.74	87.806		
12,200.00	7,780.00	6,621.00	6,597.62	129.29	23.40	-42.72	-612.24	38.28	5,252.47	5,193.59	58.88	89.212		
12,300.00	7,780.00	6,621.00	6,597.62	131.92	23.40	-42.72	-612.24	38.28	5,347.52	5,288.51	59.01	90.621		
12,400.00	7,780.00	6,621.00	6,597.62	134.54	23.40	-42.72	-612.24	38.28	5,442.75	5,383.61	59.14	92.032		
12,500.00	7,780.00	6,621.00	6,597.62	137.17	23.40	-42.72	-612.24	38.28	5,538.14	5,478.87	59.27	93.445		
12,600.00	7,780.00	6,621.00	6,597.62	139.81	23.40	-42.72	-612.24	38.28	5,633.70	5,574.31	59.39	94.861		
12,700.00	7,780.00	6,621.00	6,597.62	142.44	23.40	-42.72	-612.24	38.28	5,729.40	5,669.89	59.51	96.277		
12,800.00	7,780.00	6,585.59	6,564.01	145.08	23.25	-41.70	-602.82	32.34	5,824.84	5,765.51	59.34	98.164		
12,900.00	7,780.00	6,581.44	6,560.06	147.72	23.23	-41.58	-601.73	31.68	5,920.73	5,861.31	59.42	99.641		
13,000.00	7,780.00	6,577.39	6,556.21	150.36	23.21	-41.46	-600.67	31.04	6,016.75	5,957.24	59.50	101.118		
13,100.00	7,780.00	6,573.43	6,552.44	153.00	23.19	-41.35	-599.63	30.43	6,112.88	6,053.29	59.58	102.595		
13,200.00	7,780.00	6,569.56	6,548.75	155.65	23.18	-41.24	-598.62	29.83	6,209.12	6,149.46	59.66	104.073		
13,300.00	7,780.00	6,565.78	6,545.14	158.29	23.16	-41.14	-597.63	29.26	6,305.47	6,245.73	59.74	105.550		
13,400.00	7,780.00	6,562.08	6,541.61	160.94	23.15	-41.03	-596.67	28.70	6,401.92	6,342.10	59.82	107.026		
13,500.00	7,780.00	6,527.00	6,508.08	163.59	23.00	-40.06	-587.65	23.74	6,498.79	6,439.14	59.65	108.953		
13,600.00	7,780.00	6,527.00	6,508.08	166.24	23.00	-40.06	-587.65	23.74	6,595.37	6,535.61	59.75	110.380		
13,700.00	7,780.00	6,527.00	6,508.08	168.90	23.00	-40.06	-587.65	23.74	6,692.04	6,632.19	59.85	111.806		
13,800.00	7,780.00	6,527.00	6,508.08	171.55	23.00	-40.06	-587.65	23.74	6,788.82	6,728.87	59.96	113.232		
13,900.00	7,780.00	6,527.00	6,508.08	174.20	23.00	-40.06	-587.65	23.74	6,885.69	6,825.63	60.05	114.657		
14,000.00	7,780.00	6,527.00	6,508.08	176.86	23.00	-40.06	-587.65	23.74	6,982.64	6,922.49	60.15	116.082		
14,100.00	7,780.00	6,527.00	6,508.08	179.52	23.00	-40.06	-587.65	23.74	7,079.69	7,019.44	60.25	117.505		
14,200.00	7,780.00	6,527.00	6,508.08	182.18	23.00	-40.06	-587.65	23.74	7,176.81	7,116.46	60.35	118.928		
14,300.00	7,780.00	6,527.00	6,508.08	184.83	23.00	-40.06	-587.65	23.74	7,274.01	7,213.57	60.44	120.349		
14,400.00	7,780.00	6,527.00	6,508.08	187.49	23.00	-40.06	-587.65	23.74	7,371.28	7,310.75	60.53	121.769		
14,500.00	7,780.00	6,527.00	6,508.08	190.16	23.00	-40.06	-587.65	23.74	7,468.63	7,408.00	60.63	123.188		
14,600.00	7,780.00	6,527.00	6,508.08	192.82	23.00	-40.06	-587.65	23.74	7,566.05	7,505.33	60.72	124.605		
14,700.00	7,780.00	6,527.00	6,508.08	195.48	23.00	-40.06	-587.65	23.74	7,663.53	7,602.72	60.81	126.021		
14,800.00	7,780.00	6,527.00	6,508.08	198.14	23.00	-40.06	-587.65	23.74	7,761.08	7,700.17	60.90	127.434		
14,900.00	7,780.00	6,527.00	6,508.08	200.81	23.00	-40.06	-587.65	23.74	7,858.68	7,797.69	60.99	128.846		
15,000.00	7,780.00	6,527.00	6,508.08	203.47	23.00	-40.06	-587.65	23.74	7,956.35	7,895.27	61.08	130.256		
15,100.00	7,780.00	6,527.00	6,508.08	206.14	23.00	-40.06	-587.65	23.74	8,054.08	7,992.91	61.17	131.664		
15,200.00	7,780.00	6,527.00	6,508.08	208.81	23.00	-40.06	-587.65	23.74	8,151.86	8,090.60	61.26	133.070		
15,300.00	7,780.00	6,527.00	6,508.08	211.48	23.00	-40.06	-587.65	23.74	8,249.69	8,188.34	61.35	134.474		
15,400.00	7,780.00	6,527.00	6,508.08	214.14	23.00	-40.06	-587.65	23.74	8,347.58	8,286.14	61.44	135.875		
15,500.00	7,780.00	6,527.00	6,508.08	216.81	23.00	-40.06	-587.65	23.74	8,445.51	8,383.99	61.52	137.274		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference 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							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	7,780.00	6,527.00	6,508.08	219.48	23.00	-40.06	-587.65	23.74	8,543.49	8,481.88	61.61	138.671	
15,700.00	7,780.00	6,491.08	6,473.64	222.15	22.85	-39.09	-578.48	19.21	8,641.18	8,579.74	61.44	140.646	
15,800.00	7,780.00	6,488.51	6,471.17	224.82	22.84	-39.02	-577.83	18.91	8,739.20	8,677.70	61.51	142.083	
15,900.00	7,780.00	6,485.98	6,468.75	227.49	22.83	-38.95	-577.18	18.61	8,837.27	8,775.69	61.58	143.517	
16,000.00	7,780.00	6,483.50	6,466.37	230.16	22.82	-38.88	-576.55	18.32	8,935.37	8,873.73	61.65	144.947	
16,100.00	7,780.00	6,481.06	6,464.03	232.84	22.81	-38.82	-575.92	18.04	9,033.52	8,971.80	61.71	146.375	
16,200.00	7,780.00	6,478.67	6,461.73	235.51	22.80	-38.76	-575.31	17.77	9,131.70	9,069.91	61.78	147.800	
16,300.00	7,780.00	6,476.32	6,459.47	238.18	22.79	-38.69	-574.71	17.51	9,229.91	9,168.06	61.85	149.221	
16,400.00	7,780.00	6,474.01	6,457.26	240.86	22.78	-38.63	-574.11	17.25	9,328.16	9,266.24	61.92	150.640	
16,500.00	7,780.00	6,471.73	6,455.07	243.53	22.77	-38.57	-573.53	16.99	9,426.45	9,364.45	61.99	152.055	
16,600.00	7,780.00	6,469.50	6,452.93	246.20	22.76	-38.51	-572.96	16.75	9,524.77	9,462.70	62.06	153.467	
16,700.00	7,780.00	6,432.00	6,416.89	248.88	22.61	-37.53	-563.33	12.93	9,623.44	9,561.55	61.89	155.497	
16,800.00	7,780.00	6,432.00	6,416.89	251.55	22.61	-37.53	-563.33	12.93	9,721.78	9,659.81	61.97	156.867	
16,900.00	7,780.00	6,432.00	6,416.89	254.23	22.61	-37.53	-563.33	12.93	9,820.16	9,758.10	62.06	158.233	
17,000.00	7,780.00	6,432.00	6,416.89	256.91	22.61	-37.53	-563.33	12.93	9,918.57	9,856.42	62.15	159.597	

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	0.20	-0.20	0.00	0.00	0.41	39.71	0.28	39.71					
100.00	100.00	99.80	99.80	0.13	0.13	0.41	39.71	0.28	39.71	39.44	0.27	147.835 CC, ES		
200.00	200.00	198.41	198.39	0.49	0.49	0.15	41.39	0.11	41.41	40.42	0.99	41.861		
300.00	299.98	296.86	296.70	0.85	0.85	34.06	46.43	-0.42	45.08	43.38	1.70	26.444		
400.00	399.84	395.15	394.63	1.22	1.22	36.23	54.81	-1.30	49.31	46.89	2.42	20.396		
500.00	499.52	493.21	491.98	1.58	1.60	39.12	66.50	-2.52	54.88	51.74	3.14	17.496		
600.00	599.20	590.83	588.44	1.96	2.01	40.85	81.42	-4.07	63.74	59.87	3.86	16.496		
700.00	698.87	687.80	683.68	2.33	2.44	41.51	99.47	-5.96	75.91	71.32	4.59	16.535		
800.00	798.54	783.89	777.41	2.71	2.89	41.46	120.51	-8.15	91.32	86.00	5.32	17.181		
900.00	898.22	878.91	869.35	3.09	3.38	41.02	144.38	-10.64	109.92	103.89	6.03	18.215		
1,000.00	997.89	972.67	959.23	3.47	3.89	40.38	170.88	-13.41	131.67	124.93	6.74	19.533		
1,100.00	1,097.57	1,064.99	1,046.84	3.85	4.44	39.67	199.83	-16.43	156.51	149.07	7.44	21.022		
1,200.00	1,197.24	1,155.73	1,131.99	4.23	5.01	38.96	231.00	-19.68	184.39	176.25	8.14	22.659		
1,300.00	1,296.91	1,244.74	1,214.52	4.61	5.60	38.29	264.17	-23.14	215.23	206.41	8.82	24.409		
1,400.00	1,396.59	1,334.51	1,296.73	4.99	6.23	37.66	300.02	-26.88	248.78	239.26	9.52	26.143		
1,500.00	1,496.26	1,428.46	1,382.54	5.37	6.91	37.13	338.07	-30.85	282.95	272.68	10.27	27.540		
1,600.00	1,595.93	1,522.41	1,468.35	5.75	7.60	36.71	376.12	-34.83	317.14	306.10	11.04	28.735		
1,700.00	1,695.61	1,616.36	1,554.16	6.13	8.29	36.37	414.18	-38.80	351.34	339.54	11.80	29.768		
1,800.00	1,795.28	1,710.31	1,639.97	6.51	8.99	36.10	452.23	-42.77	385.55	372.98	12.57	30.669		
1,900.00	1,894.95	1,804.27	1,725.77	6.89	9.69	35.87	490.28	-46.74	419.76	406.42	13.34	31.462		
2,000.00	1,994.63	1,898.22	1,811.58	7.27	10.39	35.67	528.34	-50.71	453.99	439.87	14.11	32.164		
2,100.00	2,094.30	2,007.83	1,897.39	7.65	11.21	35.50	566.39	-54.68	488.21	473.25	14.96	32.632		
2,200.00	2,193.97	2,086.12	1,983.20	8.03	11.80	35.35	604.44	-58.65	522.44	506.77	15.66	33.351		
2,300.00	2,293.65	2,180.07	2,069.01	8.41	12.50	35.23	642.50	-62.62	556.67	540.23	16.44	33.858		
2,400.00	2,393.32	2,274.03	2,154.82	8.79	13.21	35.11	680.55	-66.59	590.90	573.68	17.22	34.316		
2,500.00	2,492.99	2,367.98	2,240.63	9.17	13.92	35.01	718.60	-70.57	625.14	607.14	18.00	34.734		
2,600.00	2,592.67	2,461.93	2,326.44	9.55	14.63	34.92	756.66	-74.54	659.37	640.59	18.78	35.115		
2,700.00	2,692.34	2,555.88	2,412.25	9.93	15.34	34.84	794.71	-78.51	693.61	674.05	19.56	35.465		
2,800.00	2,792.01	2,649.83	2,498.05	10.31	16.05	34.76	832.76	-82.48	727.85	707.51	20.34	35.787		
2,900.00	2,891.69	2,743.79	2,583.86	10.69	16.76	34.70	870.82	-86.45	762.09	740.97	21.12	36.084		
3,000.00	2,991.36	2,837.74	2,669.67	11.07	17.48	34.64	908.87	-90.42	796.33	774.43	21.90	36.359		
3,100.00	3,091.03	2,931.69	2,755.48	11.45	18.19	34.58	946.92	-94.39	830.57	807.89	22.68	36.615		
3,200.00	3,190.71	3,025.64	2,841.29	11.83	18.90	34.53	984.98	-98.36	864.81	841.34	23.47	36.852		
3,300.00	3,290.38	3,119.59	2,927.10	12.21	19.61	34.48	1,023.03	-102.33	899.05	874.80	24.25	37.074		
3,400.00	3,390.05	3,213.55	3,012.91	12.59	20.33	34.43	1,061.08	-106.31	933.30	908.26	25.03	37.282		
3,500.00	3,489.73	3,307.50	3,098.72	12.97	21.04	34.39	1,099.14	-110.28	967.54	941.72	25.82	37.476		
3,600.00	3,589.40	3,401.45	3,184.52	13.35	21.76	34.35	1,137.19	-114.25	1,001.78	975.18	26.60	37.659		
3,700.00	3,689.07	3,495.40	3,270.33	13.73	22.47	34.32	1,175.24	-118.22	1,036.03	1,008.64	27.39	37.830		
3,800.00	3,788.75	3,589.35	3,356.14	14.12	23.18	34.28	1,213.30	-122.19	1,070.27	1,042.10	28.17	37.992		
3,900.00	3,888.42	3,683.31	3,441.95	14.50	23.90	34.25	1,251.35	-126.16	1,104.52	1,075.56	28.96	38.145		
4,000.00	3,988.09	3,777.26	3,527.76	14.88	24.61	34.22	1,289.40	-130.13	1,138.76	1,109.02	29.74	38.289		
4,100.00	4,087.77	3,871.21	3,613.57	15.26	25.33	34.20	1,327.46	-134.10	1,173.01	1,142.48	30.53	38.425		
4,200.00	4,187.44	3,965.16	3,699.38	15.64	26.04	34.17	1,365.51	-138.07	1,207.25	1,175.94	31.31	38.555		
4,300.00	4,287.11	4,059.11	3,785.19	16.02	26.76	34.14	1,403.56	-142.05	1,241.50	1,209.40	32.10	38.678		
4,400.00	4,386.79	4,153.07	3,871.00	16.40	27.47	34.12	1,441.62	-146.02	1,275.74	1,242.86	32.88	38.794		
4,500.00	4,486.46	4,247.02	3,956.80	16.78	28.19	34.10	1,479.67	-149.99	1,309.99	1,276.32	33.67	38.905		
4,600.00	4,586.14	4,340.97	4,042.61	17.16	28.91	34.08	1,517.72	-153.96	1,344.24	1,309.78	34.46	39.011		
4,700.00	4,685.81	4,434.92	4,128.42	17.54	29.62	34.06	1,555.78	-157.93	1,378.48	1,343.24	35.24	39.112		
4,800.00	4,785.48	4,528.87	4,214.23	17.92	30.34	34.04	1,593.83	-161.90	1,412.73	1,376.70	36.03	39.208		
4,900.00	4,885.16	4,622.83	4,300.04	18.30	31.05	34.02	1,631.88	-165.87	1,446.98	1,410.16	36.82	39.299		
5,000.00	4,984.83	4,716.78	4,385.85	18.68	31.77	34.00	1,669.93	-169.84	1,481.22	1,443.62	37.61	39.387		
5,100.00	5,084.50	4,810.73	4,471.66	19.06	32.48	33.98	1,707.99	-173.81	1,515.47	1,477.08	38.39	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 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	5,184.18	4,904.68	4,557.47	19.44	33.20	33.97	1,746.04	-177.79	1,549.72	1,510.54	39.18	39.552		
5,300.00	5,283.85	5,001.37	4,643.27	19.82	33.94	33.95	1,784.09	-181.76	1,583.97	1,543.98	39.98	39.616		
5,400.00	5,383.52	5,107.41	4,729.08	20.21	34.75	33.94	1,822.15	-185.73	1,618.21	1,577.39	40.83	39.635		
5,500.00	5,483.20	5,186.54	4,814.89	20.59	35.35	33.92	1,860.20	-189.70	1,652.46	1,610.91	41.55	39.773		
5,600.00	5,582.87	5,280.49	4,900.70	20.97	36.06	33.91	1,898.25	-193.67	1,686.71	1,644.37	42.34	39.841		
5,700.00	5,682.54	5,374.44	4,986.51	21.35	36.78	33.90	1,936.31	-197.64	1,720.96	1,677.83	43.12	39.907		
5,800.00	5,782.22	5,468.39	5,072.32	21.73	37.50	33.89	1,974.36	-201.61	1,755.20	1,711.29	43.91	39.970		
5,900.00	5,881.89	5,562.35	5,158.13	22.11	38.21	33.87	2,012.41	-205.58	1,789.45	1,744.75	44.70	40.030		
6,000.00	5,981.56	5,656.30	5,243.94	22.49	38.93	33.86	2,050.47	-209.55	1,823.70	1,778.21	45.49	40.089		
6,100.00	6,081.24	5,750.25	5,329.75	22.87	39.65	33.85	2,088.52	-213.52	1,857.95	1,811.66	46.28	40.145		
6,200.00	6,180.91	5,844.20	5,415.55	23.25	40.36	33.84	2,126.57	-217.50	1,892.19	1,845.12	47.07	40.199		
6,300.00	6,280.58	5,938.15	5,501.36	23.63	41.08	33.83	2,164.63	-221.47	1,926.44	1,878.58	47.86	40.251		
6,400.00	6,380.26	6,032.11	5,587.17	24.01	41.80	33.82	2,202.68	-225.44	1,960.69	1,912.04	48.65	40.301		
6,500.00	6,479.93	6,126.06	5,672.98	24.39	42.51	33.81	2,240.73	-229.41	1,994.94	1,945.50	49.44	40.350		
6,600.00	6,579.60	6,220.01	5,758.79	24.77	43.23	33.80	2,278.79	-233.38	2,029.19	1,978.95	50.23	40.397		
6,700.00	6,679.28	6,313.96	5,844.60	25.15	43.95	33.79	2,316.84	-237.35	2,063.43	2,012.41	51.02	40.442		
6,800.00	6,778.95	6,407.91	5,930.41	25.53	44.66	33.78	2,354.89	-241.32	2,097.68	2,045.87	51.81	40.486		
6,900.00	6,878.62	6,501.87	6,016.22	25.92	45.38	33.78	2,392.95	-245.29	2,131.93	2,079.33	52.60	40.528		
7,000.00	6,978.30	6,604.18	6,102.02	26.30	46.16	33.77	2,431.00	-249.26	2,166.18	2,112.75	53.43	40.539		
7,100.00	7,077.97	6,689.77	6,187.83	26.68	46.81	33.76	2,469.05	-253.24	2,200.43	2,146.24	54.19	40.609		
7,200.00	7,177.64	6,783.72	6,273.64	27.06	47.53	33.75	2,507.11	-257.21	2,234.68	2,179.70	54.98	40.647		
7,300.00	7,277.20	6,877.63	6,359.42	27.44	48.25	59.58	2,545.14	-261.18	2,268.92	2,213.14	55.78	40.677		
7,400.00	7,374.70	6,970.22	6,443.97	27.87	48.95	72.63	2,582.64	-265.09	2,302.86	2,246.20	56.66	40.643		
7,500.00	7,467.14	7,058.74	6,524.83	28.34	49.63	74.53	2,618.50	-268.83	2,335.85	2,278.22	57.64	40.527		
7,600.00	7,551.72	7,140.52	6,599.52	28.86	50.25	74.35	2,651.62	-272.29	2,367.56	2,308.84	58.72	40.320		
7,700.00	7,625.87	7,213.07	6,665.78	29.46	50.80	73.53	2,681.00	-275.35	2,397.90	2,337.97	59.93	40.009		
7,800.00	7,687.33	7,274.18	6,721.59	30.18	51.27	72.40	2,705.76	-277.94	2,426.93	2,365.62	61.31	39.585		
7,900.00	7,734.24	7,322.00	6,765.27	31.04	51.64	71.01	2,725.12	-279.96	2,454.75	2,391.89	62.86	39.049		
8,000.00	7,765.16	7,355.07	6,795.47	32.07	51.89	69.33	2,738.52	-281.36	2,481.37	2,416.79	64.59	38.420		
8,100.00	7,779.17	7,372.39	6,811.29	33.26	52.02	67.35	2,745.54	-282.09	2,506.63	2,440.20	66.42	37.736		
8,200.00	7,780.00	7,377.36	6,815.83	34.59	52.06	66.74	2,747.55	-282.30	2,531.51	2,463.18	68.34	37.044		
8,300.00	7,780.00	7,381.55	6,819.66	36.06	52.09	66.84	2,749.24	-282.48	2,559.80	2,489.44	70.36	36.381		
8,400.00	7,780.00	7,385.74	6,823.48	37.67	52.12	66.94	2,750.94	-282.65	2,591.63	2,519.17	72.46	35.767		
8,500.00	7,780.00	7,389.93	6,827.31	39.41	52.15	67.04	2,752.64	-282.83	2,626.87	2,552.27	74.60	35.213		
8,600.00	7,780.00	7,405.88	6,831.14	41.24	52.28	67.13	2,754.34	-283.01	2,665.40	2,588.58	76.82	34.697		
8,700.00	7,780.00	9,304.78	7,780.00	43.17	66.04	90.00	3,187.97	-1,418.78	2,684.50	2,594.18	90.32	29.722		
8,800.00	7,780.00	9,404.77	7,780.00	45.18	67.05	90.00	3,189.15	-1,518.76	2,685.77	2,591.58	94.19	28.513		
8,900.00	7,780.00	9,504.76	7,780.00	47.25	68.15	90.00	3,190.32	-1,618.75	2,687.04	2,588.82	98.22	27.358		
9,000.00	7,780.00	9,604.75	7,780.00	49.39	69.34	90.00	3,191.50	-1,718.73	2,688.30	2,585.94	102.37	26.262		
9,100.00	7,780.00	9,704.74	7,780.00	51.58	70.63	90.00	3,192.68	-1,818.72	2,689.57	2,582.95	106.62	25.225		
9,200.00	7,780.00	9,804.74	7,780.00	53.81	72.00	90.00	3,193.85	-1,918.70	2,690.84	2,579.86	110.98	24.247		
9,300.00	7,780.00	9,904.73	7,780.00	56.09	73.45	90.00	3,195.03	-2,018.69	2,692.11	2,576.69	115.42	23.325		
9,400.00	7,780.00	10,004.72	7,780.00	58.40	74.99	90.00	3,196.21	-2,118.67	2,693.37	2,573.44	119.94	22.456		
9,500.00	7,780.00	10,104.71	7,780.00	60.74	76.60	90.00	3,197.38	-2,218.66	2,694.64	2,570.12	124.53	21.639		
9,600.00	7,780.00	10,204.70	7,780.00	63.11	78.29	90.00	3,198.56	-2,318.64	2,695.91	2,566.73	129.18	20.870		
9,700.00	7,780.00	10,304.70	7,780.00	65.51	80.05	90.00	3,199.73	-2,418.63	2,697.18	2,563.30	133.88	20.146		
9,800.00	7,780.00	10,404.69	7,780.00	67.93	81.87	90.00	3,200.91	-2,518.61	2,698.44	2,559.81	138.64	19.464		
9,900.00	7,780.00	10,504.68	7,780.00	70.37	83.75	90.00	3,202.09	-2,618.60	2,699.71	2,556.28	143.43	18.822		
10,000.00	7,780.00	10,604.67	7,780.00	72.82	85.68	90.00	3,203.26	-2,718.58	2,700.98	2,552.71	148.27	18.216		
10,100.00	7,780.00	10,704.66	7,780.00	75.30	87.67	90.00	3,204.44	-2,818.57	2,702.25	2,549.10	153.15	17.644		
10,200.00	7,780.00	10,804.66	7,780.00	77.79	89.70	90.00	3,205.62	-2,918.55	2,703.51	2,545.46	158.06	17.104		
10,300.00	7,780.00	10,904.65	7,780.00	80.29	91.77	90.00	3,206.79	-3,018.54	2,704.78	2,541.78	163.00	16.594		

CC - Min centre to center distance or convergent 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 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	7,780.00	11,004.64	7,780.00	82.80	93.89	90.00	3,207.97	-3,118.52	2,706.05	2,538.08	167.97	16.111		
10,500.00	7,780.00	11,104.63	7,780.00	85.32	96.04	90.00	3,209.15	-3,218.51	2,707.32	2,534.36	172.96	15.653		
10,600.00	7,780.00	11,204.62	7,780.00	87.86	98.22	90.00	3,210.32	-3,318.49	2,708.59	2,530.61	177.97	15.219		
10,700.00	7,780.00	11,304.62	7,780.00	90.40	100.43	90.00	3,211.50	-3,418.48	2,709.85	2,526.84	183.01	14.807		
10,800.00	7,780.00	11,404.61	7,780.00	92.95	102.68	90.00	3,212.68	-3,518.46	2,711.12	2,523.05	188.07	14.416		
10,900.00	7,780.00	11,504.60	7,780.00	95.51	104.94	90.00	3,213.85	-3,618.45	2,712.39	2,519.25	193.14	14.044		
11,000.00	7,780.00	11,604.59	7,780.00	98.08	107.24	90.00	3,215.03	-3,718.43	2,713.66	2,515.42	198.23	13.689		
11,100.00	7,780.00	11,704.58	7,780.00	100.66	109.55	90.00	3,216.20	-3,818.42	2,714.92	2,511.58	203.34	13.352		
11,200.00	7,780.00	11,804.58	7,780.00	103.24	111.89	90.00	3,217.38	-3,918.40	2,716.19	2,507.73	208.46	13.030		
11,300.00	7,780.00	11,904.57	7,780.00	105.82	114.24	90.00	3,218.56	-4,018.39	2,717.46	2,503.87	213.59	12.723		
11,400.00	7,780.00	12,004.56	7,780.00	108.41	116.61	90.00	3,219.73	-4,118.37	2,718.73	2,499.99	218.74	12.429		
11,500.00	7,780.00	12,104.55	7,780.00	111.01	119.00	90.00	3,220.91	-4,218.36	2,719.99	2,496.10	223.90	12.148		
11,600.00	7,780.00	12,204.54	7,780.00	113.61	121.40	90.00	3,222.09	-4,318.34	2,721.26	2,492.20	229.06	11.880		
11,700.00	7,780.00	12,304.54	7,780.00	116.21	123.82	90.00	3,223.26	-4,418.33	2,722.53	2,488.29	234.24	11.623		
11,800.00	7,780.00	12,404.53	7,780.00	118.82	126.25	90.00	3,224.44	-4,518.31	2,723.80	2,484.37	239.43	11.376		
11,900.00	7,780.00	12,504.52	7,780.00	121.43	128.69	90.00	3,225.62	-4,618.30	2,725.06	2,480.44	244.62	11.140		
12,000.00	7,780.00	12,604.51	7,780.00	124.05	131.14	90.00	3,226.79	-4,718.28	2,726.33	2,476.50	249.83	10.913		
12,100.00	7,780.00	12,704.50	7,780.00	126.67	133.61	90.00	3,227.97	-4,818.27	2,727.60	2,472.56	255.04	10.695		
12,200.00	7,780.00	12,804.50	7,780.00	129.29	136.08	90.00	3,229.14	-4,918.25	2,728.87	2,468.61	260.26	10.485		
12,300.00	7,780.00	12,904.49	7,780.00	131.92	138.56	90.00	3,230.32	-5,018.24	2,730.13	2,464.65	265.49	10.284		
12,400.00	7,780.00	13,004.48	7,780.00	134.54	141.06	90.00	3,231.50	-5,118.22	2,731.40	2,460.68	270.72	10.089		
12,500.00	7,780.00	13,104.47	7,780.00	137.17	143.56	90.00	3,232.67	-5,218.21	2,732.67	2,456.71	275.96	9.903		
12,600.00	7,780.00	13,204.46	7,780.00	139.81	146.06	90.00	3,233.85	-5,318.19	2,733.94	2,452.74	281.20	9.722		
12,700.00	7,780.00	13,304.46	7,780.00	142.44	148.58	90.00	3,235.03	-5,418.18	2,735.20	2,448.75	286.45	9.549		
12,800.00	7,780.00	13,404.45	7,780.00	145.08	151.10	90.00	3,236.20	-5,518.16	2,736.47	2,444.77	291.70	9.381		
12,900.00	7,780.00	13,504.44	7,780.00	147.72	153.63	90.00	3,237.38	-5,618.15	2,737.74	2,440.77	296.96	9.219		
13,000.00	7,780.00	13,604.43	7,780.00	150.36	156.17	90.00	3,238.56	-5,718.13	2,739.01	2,436.78	302.23	9.063		
13,100.00	7,780.00	13,704.42	7,780.00	153.00	158.71	90.00	3,239.73	-5,818.12	2,740.27	2,432.78	307.50	8.912		
13,200.00	7,780.00	13,804.41	7,780.00	155.65	161.26	90.00	3,240.91	-5,918.10	2,741.54	2,428.77	312.77	8.765		
13,300.00	7,780.00	13,904.41	7,780.00	158.29	163.81	90.00	3,242.08	-6,018.09	2,742.81	2,424.76	318.04	8.624		
13,400.00	7,780.00	14,004.40	7,780.00	160.94	166.37	90.00	3,243.26	-6,118.07	2,744.08	2,420.75	323.32	8.487		
13,500.00	7,780.00	14,104.39	7,780.00	163.59	168.93	90.00	3,244.44	-6,218.06	2,745.34	2,416.73	328.61	8.354		
13,600.00	7,780.00	14,204.38	7,780.00	166.24	171.49	90.00	3,245.61	-6,318.04	2,746.61	2,412.72	333.90	8.226		
13,700.00	7,780.00	14,304.37	7,780.00	168.90	174.06	90.00	3,246.79	-6,418.03	2,747.88	2,408.69	339.19	8.101		
13,800.00	7,780.00	14,404.37	7,780.00	171.55	176.64	90.00	3,247.97	-6,518.01	2,749.15	2,404.67	344.48	7.981		
13,900.00	7,780.00	14,504.36	7,780.00	174.20	179.22	90.00	3,249.14	-6,618.00	2,750.41	2,400.64	349.77	7.863		
14,000.00	7,780.00	14,604.35	7,780.00	176.86	181.80	90.00	3,250.32	-6,717.98	2,751.68	2,396.61	355.07	7.750		
14,100.00	7,780.00	14,704.34	7,780.00	179.52	184.39	90.00	3,251.50	-6,817.97	2,752.95	2,392.57	360.38	7.639		
14,200.00	7,780.00	14,804.33	7,780.00	182.18	186.97	90.00	3,252.67	-6,917.95	2,754.22	2,388.54	365.68	7.532		
14,300.00	7,780.00	14,904.33	7,780.00	184.83	189.57	90.00	3,253.85	-7,017.94	2,755.48	2,384.50	370.99	7.427		
14,400.00	7,780.00	15,004.32	7,780.00	187.49	192.16	90.00	3,255.03	-7,117.93	2,756.75	2,380.46	376.30	7.326		
14,500.00	7,780.00	15,104.31	7,780.00	190.16	194.76	90.00	3,256.20	-7,217.91	2,758.02	2,376.41	381.61	7.227		
14,600.00	7,780.00	15,204.30	7,780.00	192.82	197.36	90.00	3,257.38	-7,317.90	2,759.29	2,372.37	386.92	7.131		
14,700.00	7,780.00	15,304.29	7,780.00	195.48	199.97	90.00	3,258.55	-7,417.88	2,760.55	2,368.32	392.24	7.038		
14,800.00	7,780.00	15,404.29	7,780.00	198.14	202.57	90.00	3,259.73	-7,517.87	2,761.82	2,364.27	397.55	6.947		
14,900.00	7,780.00	15,504.28	7,780.00	200.81	205.18	90.00	3,260.91	-7,617.85	2,763.09	2,360.22	402.87	6.858		
15,000.00	7,780.00	15,604.27	7,780.00	203.47	207.79	90.00	3,262.08	-7,717.84	2,764.36	2,356.16	408.19	6.772		
15,100.00	7,780.00	15,704.26	7,780.00	206.14	210.41	90.00	3,263.26	-7,817.82	2,765.62	2,352.11	413.52	6.688		
15,200.00	7,780.00	15,804.25	7,780.00	208.81	213.02	90.00	3,264.44	-7,917.81	2,766.89	2,348.05	418.84	6.606		
15,300.00	7,780.00	15,904.25	7,780.00	211.48	215.64	90.00	3,265.61	-8,017.79	2,768.16	2,343.99	424.17	6.526		
15,400.00	7,780.00	16,004.24	7,780.00	214.14	218.26	90.00	3,266.79	-8,117.78	2,769.43	2,339.93	429.50	6.448		
15,500.00	7,780.00	16,104.23	7,780.00	216.81	220.88	90.00	3,267.97	-8,217.76	2,770.69	2,335.87	434.83	6.372		

CC - Min centre to center distance or convergent 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 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	7,780.00	16,204.22	7,780.00	219.48	223.50	90.00	3,269.14	-8,317.75	2,771.96	2,331.80	440.16	6.298		
15,700.00	7,780.00	16,304.21	7,780.00	222.15	226.13	90.00	3,270.32	-8,417.73	2,773.23	2,327.74	445.49	6.225		
15,800.00	7,780.00	16,404.21	7,780.00	224.82	228.76	90.00	3,271.49	-8,517.72	2,774.50	2,323.67	450.82	6.154		
15,900.00	7,780.00	16,504.20	7,780.00	227.49	231.39	90.00	3,272.67	-8,617.70	2,775.76	2,319.61	456.16	6.085		
16,000.00	7,780.00	16,604.19	7,780.00	230.16	234.02	90.00	3,273.85	-8,717.69	2,777.03	2,315.54	461.49	6.017		
16,100.00	7,780.00	16,704.18	7,780.00	232.84	236.65	90.00	3,275.02	-8,817.67	2,778.30	2,311.47	466.83	5.951		
16,200.00	7,780.00	16,804.17	7,780.00	235.51	239.28	90.00	3,276.20	-8,917.66	2,779.57	2,307.40	472.17	5.887		
16,300.00	7,780.00	16,904.17	7,780.00	238.18	241.92	90.00	3,277.38	-9,017.64	2,780.83	2,303.32	477.51	5.824		
16,400.00	7,780.00	17,004.16	7,780.00	240.86	244.55	90.00	3,278.55	-9,117.63	2,782.10	2,299.25	482.85	5.762		
16,500.00	7,780.00	17,104.15	7,780.00	243.53	247.19	90.00	3,279.73	-9,217.61	2,783.37	2,295.18	488.19	5.701		
16,600.00	7,780.00	17,204.14	7,780.00	246.20	249.83	90.00	3,280.91	-9,317.60	2,784.64	2,291.10	493.54	5.642		
16,700.00	7,780.00	17,304.13	7,780.00	248.88	252.47	90.00	3,282.08	-9,417.58	2,785.90	2,287.02	498.88	5.584		
16,800.00	7,780.00	17,404.13	7,780.00	251.55	255.11	90.00	3,283.26	-9,517.57	2,787.17	2,282.95	504.23	5.528		
16,900.00	7,780.00	17,504.12	7,780.00	254.23	257.76	90.00	3,284.44	-9,617.55	2,788.44	2,278.87	509.57	5.472		
17,000.00	7,780.00	17,604.11	7,780.00	256.91	260.40	90.00	3,285.61	-9,717.54	2,789.71	2,274.79	514.92	5.418		
17,100.00	7,780.00	17,704.10	7,780.00	259.58	263.04	90.00	3,286.79	-9,817.52	2,790.97	2,270.71	520.27	5.365		
17,200.00	7,780.00	17,804.09	7,780.00	262.26	265.69	90.00	3,287.96	-9,917.51	2,792.24	2,266.63	525.61	5.312		
17,300.00	7,780.00	17,904.09	7,780.00	264.94	268.34	90.00	3,289.14	-10,017.49	2,793.51	2,262.55	530.96	5.261		
17,400.00	7,780.00	18,004.08	7,780.00	267.61	270.99	90.00	3,290.32	-10,117.48	2,794.78	2,258.46	536.31	5.211		
17,500.00	7,780.00	18,104.07	7,780.00	270.29	273.63	90.00	3,291.49	-10,217.46	2,796.04	2,254.38	541.66	5.162		
17,600.00	7,780.00	18,204.06	7,780.00	272.97	276.28	90.00	3,292.67	-10,317.45	2,797.31	2,250.29	547.02	5.114		
17,700.00	7,780.00	18,304.05	7,780.00	275.65	278.94	90.00	3,293.85	-10,417.43	2,798.58	2,246.21	552.37	5.067		
17,800.00	7,780.00	18,404.05	7,780.00	278.33	281.59	90.00	3,295.02	-10,517.42	2,799.85	2,242.12	557.72	5.020		
17,900.00	7,780.00	18,504.04	7,780.00	281.01	284.24	90.00	3,296.20	-10,617.40	2,801.11	2,238.04	563.08	4.975		
18,000.00	7,780.00	18,604.03	7,780.00	283.69	286.89	90.00	3,297.38	-10,717.39	2,802.38	2,233.95	568.43	4.930		
18,046.30	7,780.00	18,650.33	7,780.00	284.93	288.12	90.00	3,297.92	-10,763.68	2,802.97	2,232.06	570.91	4.910 SF		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	0.10	-0.10	0.00	0.00	0.00	19.67	0.00	19.67					
100.00	100.00	100.10	99.90	0.13	0.13	0.00	19.67	0.00	19.67	19.40	0.27	73.067		
200.00	200.00	199.90	199.90	0.49	0.49	0.00	19.67	0.00	19.67	18.69	0.99	19.961 CC		
300.00	299.98	299.22	299.20	0.85	0.85	35.57	21.38	-0.21	19.95	18.24	1.70	11.718 ES		
400.00	399.84	398.50	398.34	1.22	1.21	41.59	26.49	-0.84	20.93	18.51	2.42	8.649		
500.00	499.52	497.70	497.17	1.58	1.58	48.80	35.01	-1.89	23.56	20.42	3.14	7.494		
600.00	599.20	596.69	595.42	1.96	1.96	51.60	46.89	-3.35	29.48	25.60	3.88	7.603		
700.00	698.87	695.22	692.76	2.33	2.36	51.15	62.05	-5.21	38.53	33.92	4.61	8.356		
800.00	798.54	793.08	788.85	2.71	2.79	49.27	80.39	-7.46	50.70	45.36	5.34	9.493		
900.00	898.22	890.04	883.39	3.09	3.24	47.05	101.76	-10.09	66.04	59.98	6.06	10.892		
1,000.00	997.89	985.90	976.08	3.47	3.72	44.92	125.99	-13.07	84.58	77.80	6.78	12.478		
1,100.00	1,097.57	1,080.46	1,066.66	3.85	4.23	43.05	152.91	-16.38	106.31	98.83	7.48	14.220		
1,200.00	1,197.24	1,173.55	1,154.92	4.23	4.77	41.44	182.28	-19.99	131.19	123.01	8.17	16.050		
1,300.00	1,296.91	1,266.91	1,242.50	4.61	5.35	40.07	214.37	-23.94	158.93	150.05	8.88	17.895		
1,400.00	1,396.59	1,362.75	1,332.22	4.99	5.96	39.04	247.83	-28.05	187.30	177.66	9.63	19.445		
1,500.00	1,496.26	1,458.60	1,421.94	5.37	6.57	38.28	281.30	-32.17	215.71	205.32	10.39	20.766		
1,600.00	1,595.93	1,554.44	1,511.65	5.75	7.20	37.70	314.77	-36.28	244.14	232.99	11.15	21.902		
1,700.00	1,695.61	1,650.29	1,601.37	6.13	7.83	37.24	348.24	-40.39	272.60	260.69	11.91	22.890		
1,800.00	1,795.28	1,746.14	1,691.09	6.51	8.46	36.86	381.71	-44.51	301.06	288.39	12.67	23.756		
1,900.00	1,894.95	1,841.98	1,780.81	6.89	9.10	36.55	415.17	-48.62	329.54	316.10	13.44	24.521		
2,000.00	1,994.63	1,937.83	1,870.53	7.27	9.73	36.29	448.64	-52.74	358.03	343.82	14.21	25.201		
2,100.00	2,094.30	2,033.67	1,960.24	7.65	10.37	36.07	482.11	-56.85	386.52	371.54	14.98	25.809		
2,200.00	2,193.97	2,129.52	2,049.96	8.03	11.02	35.88	515.58	-60.97	415.01	399.27	15.75	26.357		
2,300.00	2,293.65	2,225.36	2,139.68	8.41	11.66	35.71	549.05	-65.08	443.51	427.00	16.52	26.852		
2,400.00	2,393.32	2,321.21	2,229.40	8.79	12.30	35.57	582.51	-69.20	472.02	454.73	17.29	27.301		
2,500.00	2,492.99	2,417.05	2,319.12	9.17	12.95	35.44	615.98	-73.31	500.52	482.46	18.06	27.711		
2,600.00	2,592.67	2,512.90	2,408.83	9.55	13.59	35.32	649.45	-77.43	529.03	510.19	18.84	28.087		
2,700.00	2,692.34	2,608.74	2,498.55	9.93	14.24	35.22	682.92	-81.54	557.54	537.93	19.61	28.432		
2,800.00	2,792.01	2,704.59	2,588.27	10.31	14.89	35.12	716.39	-85.65	586.05	565.66	20.38	28.751		
2,900.00	2,891.69	2,800.44	2,677.99	10.69	15.54	35.04	749.85	-89.77	614.56	593.40	21.16	29.045		
3,000.00	2,991.36	2,903.72	2,767.71	11.07	16.24	34.96	783.32	-93.88	643.07	621.11	21.97	29.275		
3,100.00	3,091.03	2,992.13	2,857.42	11.45	16.83	34.89	816.79	-98.00	671.59	648.88	22.71	29.573		
3,200.00	3,190.71	3,087.97	2,947.14	11.83	17.48	34.82	850.26	-102.11	700.10	676.61	23.49	29.810		
3,300.00	3,290.38	3,183.82	3,036.86	12.21	18.13	34.76	883.72	-106.23	728.62	704.35	24.26	30.031		
3,400.00	3,390.05	3,279.66	3,126.58	12.59	18.78	34.71	917.19	-110.34	757.13	732.09	25.04	30.239		
3,500.00	3,489.73	3,375.51	3,216.30	12.97	19.43	34.66	950.66	-114.46	785.65	759.83	25.82	30.433		
3,600.00	3,589.40	3,471.35	3,306.01	13.35	20.08	34.61	984.13	-118.57	814.17	787.57	26.59	30.616		
3,700.00	3,689.07	3,567.20	3,395.73	13.73	20.73	34.56	1,017.60	-122.69	842.68	815.31	27.37	30.788		
3,800.00	3,788.75	3,663.04	3,485.45	14.12	21.39	34.52	1,051.06	-126.80	871.20	843.05	28.15	30.951		
3,900.00	3,888.42	3,758.89	3,575.17	14.50	22.04	34.48	1,084.53	-130.91	899.72	870.80	28.93	31.105		
4,000.00	3,988.09	3,854.74	3,664.89	14.88	22.69	34.44	1,118.00	-135.03	928.24	898.54	29.70	31.250		
4,100.00	4,087.77	3,950.58	3,754.60	15.26	23.34	34.41	1,151.47	-139.14	956.76	926.28	30.48	31.388		
4,200.00	4,187.44	4,046.43	3,844.32	15.64	23.99	34.38	1,184.94	-143.26	985.28	954.02	31.26	31.518		
4,300.00	4,287.11	4,142.27	3,934.04	16.02	24.64	34.35	1,218.40	-147.37	1,013.80	981.76	32.04	31.643		
4,400.00	4,386.79	4,238.12	4,023.76	16.40	25.29	34.32	1,251.87	-151.49	1,042.32	1,009.50	32.82	31.761		
4,500.00	4,486.46	4,333.96	4,113.48	16.78	25.95	34.29	1,285.34	-155.60	1,070.84	1,037.24	33.60	31.873		
4,600.00	4,586.14	4,429.81	4,203.19	17.16	26.60	34.26	1,318.81	-159.72	1,099.36	1,064.98	34.38	31.980		
4,700.00	4,685.81	4,525.65	4,292.91	17.54	27.25	34.24	1,352.28	-163.83	1,127.88	1,092.73	35.16	32.083		
4,800.00	4,785.48	4,621.50	4,382.63	17.92	27.90	34.22	1,385.74	-167.95	1,156.40	1,120.47	35.93	32.181		
4,900.00	4,885.16	4,717.34	4,472.35	18.30	28.55	34.19	1,419.21	-172.06	1,184.92	1,148.21	36.71	32.274		
5,000.00	4,984.83	4,813.19	4,562.07	18.68	29.21	34.17	1,452.68	-176.17	1,213.44	1,175.95	37.49	32.364		
5,100.00	5,084.50	4,909.04	4,651.78	19.06	29.86	34.15	1,486.15	-180.29	1,241.97	1,203.69	38.27	32.449		

CC - Min centre to center distance or convergent 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 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	5,184.18	5,004.88	4,741.50	19.44	30.51	34.13	1,519.62	-184.40	1,270.49	1,231.43	39.05	32.532		
5,300.00	5,283.85	5,100.73	4,831.22	19.82	31.16	34.11	1,553.08	-188.52	1,299.01	1,259.17	39.83	32.610		
5,400.00	5,383.52	5,196.57	4,920.94	20.21	31.82	34.10	1,586.55	-192.63	1,327.53	1,286.92	40.61	32.686		
5,500.00	5,483.20	5,307.58	5,010.66	20.59	32.57	34.08	1,620.02	-196.75	1,356.05	1,314.59	41.46	32.706		
5,600.00	5,582.87	5,388.26	5,100.37	20.97	33.12	34.06	1,653.49	-200.86	1,384.57	1,342.40	42.18	32.829		
5,700.00	5,682.54	5,484.11	5,190.09	21.35	33.78	34.05	1,686.96	-204.98	1,413.10	1,370.14	42.96	32.896		
5,800.00	5,782.22	5,579.95	5,279.81	21.73	34.43	34.03	1,720.42	-209.09	1,441.62	1,397.88	43.74	32.961		
5,900.00	5,881.89	5,675.80	5,369.53	22.11	35.08	34.02	1,753.89	-213.21	1,470.14	1,425.62	44.52	33.024		
6,000.00	5,981.56	5,771.64	5,459.25	22.49	35.73	34.00	1,787.36	-217.32	1,498.66	1,453.36	45.30	33.084		
6,100.00	6,081.24	5,867.49	5,548.96	22.87	36.39	33.99	1,820.83	-221.43	1,527.19	1,481.11	46.08	33.142		
6,200.00	6,180.91	5,963.34	5,638.68	23.25	37.04	33.98	1,854.30	-225.55	1,555.71	1,508.85	46.86	33.198		
6,300.00	6,280.58	6,059.18	5,728.40	23.63	37.69	33.96	1,887.76	-229.66	1,584.23	1,536.59	47.64	33.252		
6,400.00	6,380.26	6,155.03	5,818.12	24.01	38.35	33.95	1,921.23	-233.78	1,612.75	1,564.33	48.42	33.304		
6,500.00	6,479.93	6,250.87	5,907.84	24.39	39.00	33.94	1,954.70	-237.89	1,641.28	1,592.07	49.21	33.355		
6,600.00	6,579.60	6,346.72	5,997.55	24.77	39.65	33.93	1,988.17	-242.01	1,669.80	1,619.81	49.99	33.404		
6,700.00	6,679.28	6,442.56	6,087.27	25.15	40.31	33.92	2,021.64	-246.12	1,698.32	1,647.55	50.77	33.451		
6,800.00	6,778.95	6,538.41	6,176.99	25.53	40.96	33.91	2,055.10	-250.24	1,726.85	1,675.29	51.55	33.497		
6,900.00	6,878.62	6,634.25	6,266.71	25.92	41.61	33.90	2,088.57	-254.35	1,755.37	1,703.03	52.33	33.541		
7,000.00	6,978.30	6,730.10	6,356.43	26.30	42.27	33.89	2,122.04	-258.47	1,783.89	1,730.77	53.12	33.584		
7,100.00	7,077.97	6,825.94	6,446.14	26.68	42.92	33.88	2,155.51	-262.58	1,812.42	1,758.52	53.90	33.626		
7,200.00	7,177.64	6,921.79	6,535.86	27.06	43.57	33.87	2,188.98	-266.70	1,840.94	1,786.26	54.68	33.666		
7,300.00	7,277.20	7,017.59	6,625.54	27.44	44.22	60.00	2,222.43	-270.81	1,869.47	1,813.99	55.48	33.699		
7,400.00	7,374.70	7,112.04	6,713.95	27.87	44.87	73.77	2,255.41	-274.86	1,897.81	1,841.45	56.36	33.675		
7,500.00	7,467.14	7,202.35	6,798.48	28.34	45.48	76.43	2,286.94	-278.74	1,925.58	1,868.24	57.34	33.581		
7,600.00	7,551.72	7,285.77	6,876.57	28.86	46.05	76.96	2,316.07	-282.32	1,952.73	1,894.29	58.45	33.411		
7,700.00	7,625.87	7,359.77	6,945.84	29.46	46.56	76.76	2,341.91	-285.50	1,979.51	1,919.81	59.70	33.159		
7,800.00	7,687.33	7,422.10	7,004.19	30.18	46.98	76.10	2,363.68	-288.17	2,006.28	1,945.15	61.13	32.822		
7,900.00	7,734.24	7,470.87	7,049.84	31.04	47.31	74.97	2,380.71	-290.27	2,033.39	1,970.64	62.74	32.408		
8,000.00	7,765.16	7,504.60	7,081.41	32.07	47.54	73.31	2,392.48	-291.71	2,061.03	1,996.50	64.53	31.939		
8,100.00	7,779.17	7,522.26	7,097.94	33.26	47.66	71.06	2,398.65	-292.47	2,089.10	2,022.68	66.43	31.450		
8,200.00	7,780.00	7,527.31	7,102.67	34.59	47.70	70.34	2,400.42	-292.69	2,118.29	2,049.92	68.37	30.981		
8,300.00	7,780.00	7,531.57	7,106.66	36.06	47.73	70.46	2,401.90	-292.87	2,151.51	2,081.11	70.40	30.562		
8,400.00	7,780.00	8,917.35	7,850.00	37.67	57.04	91.84	2,683.03	-1,140.10	2,180.25	2,101.96	78.29	27.849		
8,500.00	7,780.00	9,017.35	7,850.00	39.41	57.92	91.84	2,683.50	-1,240.09	2,180.81	2,099.15	81.66	26.705		
8,600.00	7,780.00	9,117.34	7,850.00	41.24	58.90	91.84	2,683.97	-1,340.09	2,181.37	2,096.13	85.24	25.590		
8,700.00	7,780.00	9,217.34	7,850.00	43.17	59.98	91.84	2,684.44	-1,440.09	2,181.94	2,092.93	89.01	24.514		
8,800.00	7,780.00	9,317.34	7,850.00	45.18	61.17	91.84	2,684.91	-1,540.08	2,182.50	2,089.57	92.93	23.485		
8,900.00	7,780.00	9,417.34	7,850.00	47.25	62.46	91.84	2,685.38	-1,640.08	2,183.06	2,086.07	96.99	22.508		
9,000.00	7,780.00	9,517.34	7,850.00	49.39	63.85	91.84	2,685.85	-1,740.08	2,183.62	2,082.44	101.18	21.582		
9,100.00	7,780.00	9,617.34	7,850.00	51.58	65.34	91.84	2,686.32	-1,840.08	2,184.18	2,078.71	105.47	20.709		
9,200.00	7,780.00	9,717.33	7,850.00	53.81	66.91	91.84	2,686.79	-1,940.07	2,184.74	2,074.88	109.86	19.886		
9,300.00	7,780.00	9,817.33	7,850.00	56.09	68.57	91.84	2,687.27	-2,040.07	2,185.31	2,070.97	114.34	19.113		
9,400.00	7,780.00	9,917.33	7,850.00	58.40	70.31	91.84	2,687.74	-2,140.07	2,185.87	2,066.98	118.89	18.386		
9,500.00	7,780.00	10,017.33	7,850.00	60.74	72.12	91.84	2,688.21	-2,240.07	2,186.43	2,062.92	123.51	17.703		
9,600.00	7,780.00	10,117.33	7,850.00	63.11	74.00	91.84	2,688.68	-2,340.06	2,186.99	2,058.81	128.18	17.061		
9,700.00	7,780.00	10,217.33	7,850.00	65.51	75.94	91.84	2,689.15	-2,440.06	2,187.55	2,054.64	132.91	16.458		
9,800.00	7,780.00	10,317.32	7,850.00	67.93	77.94	91.84	2,689.62	-2,540.06	2,188.12	2,050.42	137.69	15.891		
9,900.00	7,780.00	10,417.32	7,850.00	70.37	79.98	91.84	2,690.09	-2,640.05	2,188.68	2,046.16	142.51	15.358		
10,000.00	7,780.00	10,517.32	7,850.00	72.82	82.07	91.83	2,690.56	-2,740.05	2,189.24	2,041.86	147.38	14.855		
10,100.00	7,780.00	10,617.32	7,850.00	75.30	84.20	91.83	2,691.03	-2,840.05	2,189.80	2,037.53	152.27	14.381		
10,200.00	7,780.00	10,717.32	7,850.00	77.79	86.37	91.83	2,691.50	-2,940.05	2,190.36	2,033.16	157.20	13.934		
10,300.00	7,780.00	10,817.32	7,850.00	80.29	88.58	91.83	2,691.98	-3,040.04	2,190.92	2,028.77	162.16	13.511		

CC - Min centre to center distance or convergent 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 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	7,780.00	10,917.32	7,850.00	82.80	90.82	91.83	2,692.45	-3,140.04	2,191.49	2,024.34	167.14	13.112		
10,500.00	7,780.00	11,017.31	7,850.00	85.32	93.08	91.83	2,692.92	-3,240.04	2,192.05	2,019.90	172.15	12.733		
10,600.00	7,780.00	11,117.31	7,850.00	87.86	95.37	91.83	2,693.39	-3,340.04	2,192.61	2,015.43	177.18	12.375		
10,700.00	7,780.00	11,217.31	7,850.00	90.40	97.69	91.83	2,693.86	-3,440.03	2,193.17	2,010.94	182.23	12.035		
10,800.00	7,780.00	11,317.31	7,850.00	92.95	100.03	91.83	2,694.33	-3,540.03	2,193.73	2,006.44	187.30	11.713		
10,900.00	7,780.00	11,417.31	7,850.00	95.51	102.39	91.83	2,694.80	-3,640.03	2,194.30	2,001.91	192.38	11.406		
11,000.00	7,780.00	11,517.31	7,850.00	98.08	104.77	91.83	2,695.27	-3,740.03	2,194.86	1,997.37	197.49	11.114		
11,100.00	7,780.00	11,617.30	7,850.00	100.66	107.16	91.83	2,695.74	-3,840.02	2,195.42	1,992.82	202.60	10.836		
11,200.00	7,780.00	11,717.30	7,850.00	103.24	109.57	91.83	2,696.22	-3,940.02	2,195.98	1,988.25	207.73	10.571		
11,300.00	7,780.00	11,817.30	7,850.00	105.82	112.00	91.83	2,696.69	-4,040.02	2,196.54	1,983.67	212.88	10.318		
11,400.00	7,780.00	11,917.30	7,850.00	108.41	114.43	91.83	2,697.16	-4,140.01	2,197.10	1,979.07	218.03	10.077		
11,500.00	7,780.00	12,017.30	7,850.00	111.01	116.89	91.83	2,697.63	-4,240.01	2,197.67	1,974.47	223.20	9.846		
11,600.00	7,780.00	12,117.30	7,850.00	113.61	119.35	91.83	2,698.10	-4,340.01	2,198.23	1,969.86	228.37	9.626		
11,700.00	7,780.00	12,217.30	7,850.00	116.21	121.82	91.83	2,698.57	-4,440.01	2,198.79	1,965.23	233.56	9.414		
11,800.00	7,780.00	12,317.29	7,850.00	118.82	124.31	91.83	2,699.04	-4,540.00	2,199.35	1,960.60	238.75	9.212		
11,900.00	7,780.00	12,417.29	7,850.00	121.43	126.80	91.83	2,699.51	-4,640.00	2,199.91	1,955.96	243.95	9.018		
12,000.00	7,780.00	12,517.29	7,850.00	124.05	129.30	91.83	2,699.98	-4,740.00	2,200.48	1,951.31	249.16	8.831		
12,100.00	7,780.00	12,617.29	7,850.00	126.67	131.82	91.83	2,700.45	-4,840.00	2,201.04	1,946.66	254.38	8.653		
12,200.00	7,780.00	12,717.29	7,850.00	129.29	134.33	91.82	2,700.93	-4,939.99	2,201.60	1,941.99	259.61	8.481		
12,300.00	7,780.00	12,817.29	7,850.00	131.92	136.86	91.82	2,701.40	-5,039.99	2,202.16	1,937.32	264.84	8.315		
12,400.00	7,780.00	12,917.28	7,850.00	134.54	139.39	91.82	2,701.87	-5,139.99	2,202.72	1,932.65	270.07	8.156		
12,500.00	7,780.00	13,017.28	7,850.00	137.17	141.93	91.82	2,702.34	-5,239.98	2,203.28	1,927.97	275.32	8.003		
12,600.00	7,780.00	13,117.28	7,850.00	139.81	144.48	91.82	2,702.81	-5,339.98	2,203.85	1,923.28	280.56	7.855		
12,700.00	7,780.00	13,217.28	7,850.00	142.44	147.03	91.82	2,703.28	-5,439.98	2,204.41	1,918.59	285.82	7.713		
12,800.00	7,780.00	13,317.28	7,850.00	145.08	149.59	91.82	2,703.75	-5,539.98	2,204.97	1,913.89	291.07	7.575		
12,900.00	7,780.00	13,417.28	7,850.00	147.72	152.15	91.82	2,704.22	-5,639.97	2,205.53	1,909.19	296.34	7.443		
13,000.00	7,780.00	13,517.27	7,850.00	150.36	154.72	91.82	2,704.69	-5,739.97	2,206.09	1,904.49	301.60	7.315		
13,100.00	7,780.00	13,617.27	7,850.00	153.00	157.29	91.82	2,705.17	-5,839.97	2,206.66	1,899.78	306.88	7.191		
13,200.00	7,780.00	13,717.27	7,850.00	155.65	159.86	91.82	2,705.64	-5,939.97	2,207.22	1,895.07	312.15	7.071		
13,300.00	7,780.00	13,817.27	7,850.00	158.29	162.44	91.82	2,706.11	-6,039.96	2,207.78	1,890.35	317.43	6.955		
13,400.00	7,780.00	13,917.27	7,850.00	160.94	165.03	91.82	2,706.58	-6,139.96	2,208.34	1,885.63	322.71	6.843		
13,500.00	7,780.00	14,017.27	7,850.00	163.59	167.62	91.82	2,707.05	-6,239.96	2,208.90	1,880.91	328.00	6.735		
13,600.00	7,780.00	14,117.27	7,850.00	166.24	170.21	91.82	2,707.52	-6,339.96	2,209.46	1,876.18	333.29	6.629		
13,700.00	7,780.00	14,217.26	7,850.00	168.90	172.80	91.82	2,707.99	-6,439.95	2,210.03	1,871.45	338.58	6.527		
13,800.00	7,780.00	14,317.26	7,850.00	171.55	175.40	91.82	2,708.46	-6,539.95	2,210.59	1,866.72	343.87	6.429		
13,900.00	7,780.00	14,417.26	7,850.00	174.20	178.00	91.82	2,708.93	-6,639.95	2,211.15	1,861.98	349.17	6.333		
14,000.00	7,780.00	14,517.26	7,850.00	176.86	180.60	91.82	2,709.41	-6,739.94	2,211.71	1,857.24	354.47	6.239		
14,100.00	7,780.00	14,617.26	7,850.00	179.52	183.21	91.82	2,709.88	-6,839.94	2,212.27	1,852.50	359.77	6.149		
14,200.00	7,780.00	14,717.26	7,850.00	182.18	185.82	91.82	2,710.35	-6,939.94	2,212.84	1,847.76	365.08	6.061		
14,300.00	7,780.00	14,817.25	7,850.00	184.83	188.43	91.81	2,710.82	-7,039.94	2,213.40	1,843.01	370.39	5.976		
14,400.00	7,780.00	14,917.25	7,850.00	187.49	191.05	91.81	2,711.29	-7,139.93	2,213.96	1,838.26	375.70	5.893		
14,500.00	7,780.00	15,017.25	7,850.00	190.16	193.66	91.81	2,711.76	-7,239.93	2,214.52	1,833.51	381.01	5.812		
14,600.00	7,780.00	15,117.25	7,850.00	192.82	196.28	91.81	2,712.23	-7,339.93	2,215.08	1,828.76	386.32	5.734		
14,700.00	7,780.00	15,217.25	7,850.00	195.48	198.90	91.81	2,712.70	-7,439.93	2,215.64	1,824.01	391.64	5.657		
14,800.00	7,780.00	15,317.25	7,850.00	198.14	201.52	91.81	2,713.17	-7,539.92	2,216.21	1,819.25	396.96	5.583		
14,900.00	7,780.00	15,417.24	7,850.00	200.81	204.15	91.81	2,713.64	-7,639.92	2,216.77	1,814.49	402.28	5.511		
15,000.00	7,780.00	15,517.24	7,850.00	203.47	206.78	91.81	2,714.12	-7,739.92	2,217.33	1,809.73	407.60	5.440		
15,100.00	7,780.00	15,617.24	7,850.00	206.14	209.40	91.81	2,714.59	-7,839.92	2,217.89	1,804.97	412.92	5.371		
15,200.00	7,780.00	15,717.24	7,850.00	208.81	212.03	91.81	2,715.06	-7,939.91	2,218.45	1,800.21	418.24	5.304		
15,300.00	7,780.00	15,817.24	7,850.00	211.48	214.67	91.81	2,715.53	-8,039.91	2,219.02	1,795.44	423.57	5.239		
15,400.00	7,780.00	15,917.24	7,850.00	214.14	217.30	91.81	2,716.00	-8,139.91	2,219.58	1,790.68	428.90	5.175		
15,500.00	7,780.00	16,017.24	7,850.00	216.81	219.94	91.81	2,716.47	-8,239.90	2,220.14	1,785.91	434.23	5.113		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<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 1BH - 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	
15,600.00	7,780.00	16,117.23	7,850.00	219.48	222.57	91.81	2,716.94	-8,339.90	2,220.70	1,781.14	439.56	5.052	
15,700.00	7,780.00	16,217.23	7,850.00	222.15	225.21	91.81	2,717.41	-8,439.90	2,221.26	1,776.37	444.89	4.993	
15,800.00	7,780.00	16,317.23	7,850.00	224.82	227.85	91.81	2,717.88	-8,539.90	2,221.82	1,771.60	450.22	4.935	
15,900.00	7,780.00	16,417.23	7,850.00	227.49	230.49	91.81	2,718.36	-8,639.89	2,222.39	1,766.83	455.56	4.878	
16,000.00	7,780.00	16,517.23	7,850.00	230.16	233.13	91.81	2,718.83	-8,739.89	2,222.95	1,762.06	460.89	4.823	
16,100.00	7,780.00	16,617.23	7,850.00	232.84	235.78	91.81	2,719.30	-8,839.89	2,223.51	1,757.28	466.23	4.769	
16,200.00	7,780.00	16,717.22	7,850.00	235.51	238.42	91.81	2,719.77	-8,939.89	2,224.07	1,752.50	471.57	4.716	
16,300.00	7,780.00	16,817.22	7,850.00	238.18	241.07	91.81	2,720.24	-9,039.88	2,224.63	1,747.73	476.91	4.665	
16,400.00	7,780.00	16,917.22	7,850.00	240.86	243.71	91.81	2,720.71	-9,139.88	2,225.20	1,742.95	482.25	4.614	
16,500.00	7,780.00	17,017.22	7,850.00	243.53	246.36	91.80	2,721.18	-9,239.88	2,225.76	1,738.17	487.59	4.565	
16,600.00	7,780.00	17,117.22	7,850.00	246.20	249.01	91.80	2,721.65	-9,339.87	2,226.32	1,733.39	492.93	4.517	
16,700.00	7,780.00	17,217.22	7,850.00	248.88	251.66	91.80	2,722.12	-9,439.87	2,226.88	1,728.61	498.27	4.469	
16,800.00	7,780.00	17,317.21	7,850.00	251.55	254.31	91.80	2,722.60	-9,539.87	2,227.44	1,723.83	503.62	4.423	
16,900.00	7,780.00	17,417.21	7,850.00	254.23	256.96	91.80	2,723.07	-9,639.87	2,228.00	1,719.04	508.96	4.378	
17,000.00	7,780.00	17,517.21	7,850.00	256.91	259.61	91.80	2,723.54	-9,739.86	2,228.57	1,714.26	514.31	4.333	
17,100.00	7,780.00	17,617.21	7,850.00	259.58	262.27	91.80	2,724.01	-9,839.86	2,229.13	1,709.48	519.65	4.290	
17,200.00	7,780.00	17,717.21	7,850.00	262.26	264.92	91.80	2,724.48	-9,939.86	2,229.69	1,704.69	525.00	4.247	
17,300.00	7,780.00	17,817.21	7,850.00	264.94	267.58	91.80	2,724.95	-10,039.86	2,230.25	1,699.90	530.35	4.205	
17,400.00	7,780.00	17,917.21	7,850.00	267.61	270.23	91.80	2,725.42	-10,139.85	2,230.81	1,695.12	535.70	4.164	
17,500.00	7,780.00	18,017.20	7,850.00	270.29	272.89	91.80	2,725.89	-10,239.85	2,231.38	1,690.33	541.05	4.124	
17,600.00	7,780.00	18,117.20	7,850.00	272.97	275.55	91.80	2,726.36	-10,339.85	2,231.94	1,685.54	546.40	4.085	
17,700.00	7,780.00	18,217.20	7,850.00	275.65	278.21	91.80	2,726.83	-10,439.85	2,232.50	1,680.75	551.75	4.046	
17,800.00	7,780.00	18,317.20	7,850.00	278.33	280.87	91.80	2,727.31	-10,539.84	2,233.06	1,675.96	557.10	4.008	
17,900.00	7,780.00	18,417.20	7,850.00	281.01	283.53	91.80	2,727.78	-10,639.84	2,233.62	1,671.17	562.45	3.971	
18,000.00	7,780.00	18,517.20	7,850.00	283.69	286.19	91.80	2,728.25	-10,739.84	2,234.18	1,666.38	567.80	3.935	
18,046.30	7,780.00	18,563.50	7,850.00	284.93	287.42	91.80	2,728.47	-10,786.14	2,234.44	1,664.16	570.28	3.918 SF	

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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 4AH - 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	180.00	-20.03	0.00	20.03					
100.00	100.00	100.10	100.10	0.13	0.13	180.00	-20.03	0.00	20.03	19.77	0.27	74.482	CC, ES	
200.00	200.00	199.76	199.74	0.49	0.49	-175.70	-20.79	-1.56	20.85	19.87	0.98	21.283		
300.00	299.98	300.57	299.29	0.85	0.85	-135.12	-22.88	-5.86	24.83	23.13	1.70	14.592		
400.00	399.84	400.81	398.91	1.22	1.21	-134.18	-25.15	-10.56	31.71	29.28	2.43	13.053		
500.00	499.52	501.21	498.38	1.58	1.58	-136.34	-27.43	-15.25	40.48	37.32	3.16	12.798		
600.00	599.20	601.62	597.84	1.96	1.95	-137.90	-29.70	-19.94	49.42	45.53	3.89	12.691		
700.00	698.87	702.02	697.29	2.33	2.33	-138.97	-31.97	-24.63	58.38	53.76	4.63	12.617		
800.00	798.54	802.43	796.75	2.71	2.70	-139.76	-34.25	-29.32	67.36	62.00	5.36	12.563		
900.00	898.22	902.84	896.21	3.09	3.07	-140.37	-36.52	-34.01	76.35	70.25	6.10	12.522		
1,000.00	997.89	1,003.25	995.66	3.47	3.44	-140.84	-38.79	-38.70	85.34	78.51	6.83	12.490		
1,100.00	1,097.57	1,096.35	1,095.12	3.85	3.78	-141.23	-41.07	-43.39	94.34	86.80	7.54	12.509		
1,200.00	1,197.24	1,204.06	1,194.57	4.23	4.18	-141.55	-43.34	-48.08	103.34	95.04	8.30	12.443		
1,300.00	1,296.91	1,304.47	1,294.03	4.61	4.55	-141.82	-45.61	-52.77	112.35	103.30	9.04	12.425		
1,400.00	1,396.59	1,404.88	1,393.49	4.99	4.93	-142.04	-47.89	-57.46	121.35	111.57	9.78	12.410		
1,500.00	1,496.26	1,505.28	1,492.94	5.37	5.30	-142.24	-50.16	-62.15	130.36	119.84	10.51	12.398		
1,600.00	1,595.93	1,605.69	1,592.40	5.75	5.67	-142.41	-52.43	-66.84	139.37	128.12	11.25	12.386		
1,700.00	1,695.61	1,706.10	1,691.85	6.13	6.04	-142.56	-54.71	-71.53	148.38	136.39	11.99	12.376		
1,800.00	1,795.28	1,806.51	1,791.31	6.51	6.41	-142.70	-56.98	-76.22	157.39	144.67	12.73	12.368		
1,900.00	1,894.95	1,906.91	1,890.77	6.89	6.78	-142.81	-59.25	-80.91	166.40	152.94	13.46	12.360		
2,000.00	1,994.63	2,007.32	1,990.22	7.27	7.16	-142.92	-61.53	-85.60	175.42	161.22	14.20	12.353		
2,100.00	2,094.30	2,107.73	2,089.68	7.65	7.53	-143.02	-63.80	-90.29	184.43	169.49	14.94	12.347		
2,200.00	2,193.97	2,208.14	2,189.13	8.03	7.90	-143.10	-66.07	-94.98	193.44	177.77	15.67	12.341		
2,300.00	2,293.65	2,308.54	2,288.59	8.41	8.27	-143.18	-68.35	-99.67	202.46	186.05	16.41	12.336		
2,400.00	2,393.32	2,408.95	2,388.05	8.79	8.64	-143.26	-70.62	-104.36	211.47	194.32	17.15	12.331		
2,500.00	2,492.99	2,509.36	2,487.50	9.17	9.01	-143.32	-72.89	-109.05	220.49	202.60	17.89	12.327		
2,600.00	2,592.67	2,609.77	2,586.96	9.55	9.39	-143.38	-75.17	-113.74	229.50	210.88	18.62	12.323		
2,700.00	2,692.34	2,689.83	2,686.41	9.93	9.68	-143.44	-77.44	-118.43	238.52	219.23	19.29	12.367		
2,800.00	2,792.01	2,789.42	2,785.87	10.31	10.05	-143.49	-79.72	-123.12	247.53	227.51	20.02	12.364		
2,900.00	2,891.69	2,889.01	2,885.33	10.69	10.42	-143.54	-81.99	-127.81	256.55	235.80	20.76	12.361		
3,000.00	2,991.36	2,988.60	2,984.78	11.07	10.79	-143.59	-84.26	-132.50	265.57	244.08	21.49	12.358		
3,100.00	3,091.03	3,088.20	3,084.24	11.45	11.16	-143.63	-86.54	-137.19	274.58	252.36	22.22	12.355		
3,200.00	3,190.71	3,187.79	3,183.69	11.83	11.53	-143.67	-88.81	-141.88	283.60	260.64	22.96	12.353		
3,300.00	3,290.38	3,287.38	3,283.15	12.21	11.89	-143.71	-91.08	-146.57	292.62	268.92	23.69	12.350		
3,400.00	3,390.05	3,386.97	3,382.61	12.59	12.26	-143.74	-93.36	-151.26	301.63	277.20	24.43	12.348		
3,500.00	3,489.73	3,486.57	3,482.06	12.97	12.63	-143.78	-95.63	-155.95	310.65	285.49	25.16	12.346		
3,600.00	3,589.40	3,586.16	3,581.52	13.35	13.00	-143.81	-97.90	-160.64	319.67	293.77	25.90	12.344		
3,700.00	3,689.07	3,685.75	3,680.97	13.73	13.37	-143.84	-100.18	-165.33	328.68	302.05	26.63	12.342		
3,800.00	3,788.75	3,785.34	3,780.43	14.12	13.74	-143.86	-102.45	-170.02	337.70	310.33	27.37	12.340		
3,900.00	3,888.42	3,884.94	3,879.89	14.50	14.11	-143.89	-104.72	-174.71	346.72	318.62	28.10	12.339		
4,000.00	3,988.09	3,984.53	3,979.34	14.88	14.48	-143.92	-107.00	-179.40	355.73	326.90	28.83	12.337		
4,100.00	4,087.77	4,084.12	4,078.80	15.26	14.84	-143.94	-109.27	-184.08	364.75	335.18	29.57	12.336		
4,200.00	4,187.44	4,183.71	4,178.25	15.64	15.21	-143.96	-111.54	-188.77	373.77	343.46	30.30	12.334		
4,300.00	4,287.11	4,283.31	4,277.71	16.02	15.58	-143.98	-113.82	-193.46	382.79	351.75	31.04	12.333		
4,400.00	4,386.79	4,382.90	4,377.17	16.40	15.95	-144.01	-116.09	-198.15	391.80	360.03	31.77	12.331		
4,500.00	4,486.46	4,482.49	4,476.62	16.78	16.32	-144.03	-118.36	-202.84	400.82	368.31	32.51	12.330		
4,600.00	4,586.14	4,582.08	4,576.08	17.16	16.69	-144.04	-120.64	-207.53	409.84	376.60	33.24	12.329		
4,700.00	4,685.81	4,681.68	4,675.53	17.54	17.06	-144.06	-122.91	-212.22	418.86	384.88	33.98	12.328		
4,800.00	4,785.48	4,781.27	4,774.99	17.92	17.43	-144.08	-125.18	-216.91	427.87	393.16	34.71	12.327		
4,900.00	4,885.16	4,880.86	4,874.45	18.30	17.79	-144.10	-127.46	-221.60	436.89	401.45	35.45	12.326		
5,000.00	4,984.83	4,980.45	4,973.90	18.68	18.16	-144.11	-129.73	-226.29	445.91	409.73	36.18	12.325		
5,100.00	5,084.50	5,080.05	5,073.36	19.06	18.53	-144.13	-132.00	-230.98	454.93	418.01	36.92	12.324		

CC - Min centre to center distance or convergent 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 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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 4AH - 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	5,184.18	5,179.64	5,172.82	19.44	18.90	-144.14	-134.28	-235.67	463.94	426.29	37.65	12.323		
5,300.00	5,283.85	5,279.23	5,272.27	19.82	19.27	-144.16	-136.55	-240.36	472.96	434.58	38.38	12.322		
5,400.00	5,383.52	5,378.82	5,371.73	20.21	19.64	-144.17	-138.82	-245.05	481.98	442.86	39.12	12.321		
5,500.00	5,483.20	5,478.42	5,471.18	20.59	20.01	-144.18	-141.10	-249.74	491.00	451.14	39.85	12.320		
5,600.00	5,582.87	5,578.01	5,570.64	20.97	20.38	-144.20	-143.37	-254.43	500.01	459.43	40.59	12.319		
5,700.00	5,682.54	5,677.60	5,670.10	21.35	20.74	-144.21	-145.64	-259.12	509.03	467.71	41.32	12.318		
5,800.00	5,782.22	5,777.19	5,769.55	21.73	21.11	-144.22	-147.92	-263.81	518.05	475.99	42.06	12.318		
5,900.00	5,881.89	5,876.79	5,869.01	22.11	21.48	-144.23	-150.19	-268.50	527.07	484.28	42.79	12.317		
6,000.00	5,981.56	5,976.38	5,968.46	22.49	21.85	-144.24	-152.46	-273.19	536.09	492.56	43.53	12.316		
6,100.00	6,081.24	6,075.97	6,067.92	22.87	22.22	-144.25	-154.74	-277.88	545.10	500.84	44.26	12.315		
6,200.00	6,180.91	6,175.56	6,167.38	23.25	22.59	-144.26	-157.01	-282.57	554.12	509.13	45.00	12.315		
6,300.00	6,280.58	6,275.16	6,266.83	23.63	22.96	-144.27	-159.28	-287.26	563.14	517.41	45.73	12.314		
6,400.00	6,380.26	6,374.75	6,366.29	24.01	23.33	-144.28	-161.56	-291.95	572.16	525.69	46.47	12.313		
6,500.00	6,479.93	6,474.34	6,465.74	24.39	23.69	-144.29	-163.83	-296.64	581.18	533.97	47.20	12.313		
6,600.00	6,579.60	6,573.93	6,565.20	24.77	24.06	-144.30	-166.10	-301.33	590.19	542.26	47.94	12.312		
6,700.00	6,679.28	6,673.53	6,664.66	25.15	24.43	-144.31	-168.38	-306.02	599.21	550.54	48.67	12.312		
6,800.00	6,778.95	6,773.12	6,764.11	25.53	24.80	-144.32	-170.65	-310.71	608.23	558.82	49.41	12.311		
6,900.00	6,878.62	6,872.71	6,863.57	25.92	25.17	-144.33	-172.92	-315.40	617.25	567.11	50.14	12.310		
7,000.00	6,978.30	6,972.30	6,963.02	26.30	25.54	-144.33	-175.20	-320.09	626.27	575.39	50.88	12.310		
7,100.00	7,077.97	7,071.90	7,062.48	26.68	25.91	-144.34	-177.47	-324.78	635.28	583.67	51.61	12.309		
7,200.00	7,177.64	7,171.49	7,161.94	27.06	26.28	-144.35	-179.75	-329.47	644.30	591.96	52.35	12.309		
7,300.00	7,277.20	7,271.04	7,261.35	27.44	26.64	-116.73	-182.02	-334.16	653.25	600.17	53.08	12.306		
7,400.00	7,374.70	7,368.46	7,358.43	27.87	27.01	-100.80	-184.24	-341.33	661.75	607.89	53.86	12.288		
7,500.00	7,467.14	7,466.68	7,453.97	28.34	27.43	-96.70	-186.44	-363.51	670.08	615.34	54.73	12.242		
7,600.00	7,551.72	7,567.68	7,546.78	28.86	27.92	-95.16	-188.59	-402.96	678.05	622.30	55.76	12.161		
7,700.00	7,625.87	7,671.71	7,633.61	29.46	28.49	-94.60	-190.62	-459.96	685.42	628.46	56.96	12.034		
7,800.00	7,687.33	7,778.88	7,710.78	30.18	29.18	-94.52	-192.45	-534.08	691.88	633.48	58.40	11.847		
7,900.00	7,734.24	7,889.17	7,774.38	31.04	30.05	-94.71	-193.98	-623.96	697.17	637.01	60.17	11.587		
8,000.00	7,765.16	8,002.38	7,820.54	32.07	31.15	-95.05	-195.12	-727.12	701.02	638.70	62.32	11.249		
8,100.00	7,779.17	8,118.06	7,845.87	33.26	32.49	-95.48	-195.80	-839.79	703.18	638.30	64.88	10.838		
8,200.00	7,780.00	8,228.18	7,850.00	34.59	33.95	-95.70	-195.99	-949.75	703.58	635.87	67.71	10.391		
8,300.00	7,780.00	8,328.18	7,850.00	36.06	35.43	-95.70	-196.08	-1,049.75	703.58	632.88	70.69	9.953		
8,400.00	7,780.00	8,428.18	7,850.00	37.67	37.03	-95.70	-196.16	-1,149.75	703.57	629.63	73.94	9.515		
8,500.00	7,780.00	8,528.18	7,850.00	39.41	38.77	-95.70	-196.25	-1,249.75	703.57	626.14	77.43	9.087		
8,600.00	7,780.00	8,628.18	7,850.00	41.24	40.60	-95.70	-196.34	-1,349.75	703.56	622.45	81.12	8.673		
8,700.00	7,780.00	8,728.18	7,850.00	43.17	42.53	-95.70	-196.43	-1,449.75	703.56	618.57	84.99	8.278		
8,800.00	7,780.00	8,828.18	7,850.00	45.18	44.54	-95.70	-196.51	-1,549.75	703.56	614.54	89.01	7.904		
8,900.00	7,780.00	8,928.18	7,850.00	47.25	46.62	-95.70	-196.60	-1,649.75	703.55	610.38	93.18	7.551		
9,000.00	7,780.00	9,028.18	7,850.00	49.39	48.76	-95.70	-196.69	-1,749.75	703.55	606.10	97.45	7.219		
9,100.00	7,780.00	9,128.18	7,850.00	51.58	50.95	-95.70	-196.78	-1,849.75	703.55	601.71	101.83	6.909		
9,200.00	7,780.00	9,228.18	7,850.00	53.81	53.19	-95.70	-196.86	-1,949.75	703.54	597.24	106.31	6.618		
9,300.00	7,780.00	9,328.18	7,850.00	56.09	55.47	-95.70	-196.95	-2,049.75	703.54	592.69	110.86	6.346		
9,400.00	7,780.00	9,428.18	7,850.00	58.40	57.78	-95.70	-197.04	-2,149.75	703.54	588.06	115.48	6.092		
9,500.00	7,780.00	9,528.18	7,850.00	60.74	60.13	-95.70	-197.13	-2,249.75	703.53	583.38	120.16	5.855		
9,600.00	7,780.00	9,628.18	7,850.00	63.11	62.50	-95.70	-197.21	-2,349.75	703.53	578.64	124.90	5.633		
9,700.00	7,780.00	9,728.18	7,850.00	65.51	64.90	-95.70	-197.30	-2,449.75	703.53	573.85	129.68	5.425		
9,800.00	7,780.00	9,828.18	7,850.00	67.93	67.32	-95.70	-197.39	-2,549.75	703.52	569.01	134.51	5.230		
9,900.00	7,780.00	9,928.18	7,850.00	70.37	69.76	-95.70	-197.48	-2,649.75	703.52	564.14	139.38	5.047		
10,000.00	7,780.00	10,028.18	7,850.00	72.82	72.22	-95.70	-197.56	-2,749.75	703.52	559.23	144.28	4.876		
10,100.00	7,780.00	10,128.18	7,850.00	75.30	74.70	-95.70	-197.65	-2,849.75	703.51	554.29	149.22	4.715		
10,200.00	7,780.00	10,228.18	7,850.00	77.79	77.19	-95.70	-197.74	-2,949.75	703.51	549.33	154.18	4.563		
10,300.00	7,780.00	10,328.18	7,850.00	80.29	79.69	-95.70	-197.83	-3,049.75	703.51	544.33	159.17	4.420		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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 4AH - 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	7,780.00	10,428.18	7,850.00	82.80	82.21	-95.70	-197.92	-3,149.75	703.50	539.32	164.19	4.285		
10,500.00	7,780.00	10,528.18	7,850.00	85.32	84.74	-95.70	-198.00	-3,249.75	703.50	534.28	169.22	4.157		
10,600.00	7,780.00	10,628.18	7,850.00	87.86	87.27	-95.70	-198.09	-3,349.75	703.50	529.22	174.28	4.037		
10,700.00	7,780.00	10,728.18	7,850.00	90.40	89.82	-95.70	-198.18	-3,449.75	703.49	524.14	179.35	3.922		
10,800.00	7,780.00	10,828.18	7,850.00	92.95	92.37	-95.70	-198.27	-3,549.75	703.49	519.05	184.44	3.814		
10,900.00	7,780.00	10,928.18	7,850.00	95.51	94.94	-95.70	-198.35	-3,649.75	703.49	513.94	189.55	3.711		
11,000.00	7,780.00	11,028.18	7,850.00	98.08	97.50	-95.70	-198.44	-3,749.75	703.48	508.82	194.66	3.614		
11,100.00	7,780.00	11,128.18	7,850.00	100.66	100.08	-95.70	-198.53	-3,849.75	703.48	503.68	199.80	3.521		
11,200.00	7,780.00	11,228.18	7,850.00	103.24	102.66	-95.70	-198.62	-3,949.75	703.48	498.54	204.94	3.433		
11,300.00	7,780.00	11,328.18	7,850.00	105.82	105.25	-95.70	-198.70	-4,049.75	703.47	493.38	210.09	3.348		
11,400.00	7,780.00	11,428.18	7,850.00	108.41	107.84	-95.70	-198.79	-4,149.75	703.47	488.21	215.26	3.268		
11,500.00	7,780.00	11,528.18	7,850.00	111.01	110.44	-95.70	-198.88	-4,249.75	703.47	483.03	220.43	3.191		
11,600.00	7,780.00	11,628.18	7,850.00	113.61	113.04	-95.70	-198.97	-4,349.75	703.46	477.85	225.61	3.118		
11,700.00	7,780.00	11,728.18	7,850.00	116.21	115.65	-95.70	-199.05	-4,449.75	703.46	472.65	230.81	3.048		
11,800.00	7,780.00	11,828.18	7,850.00	118.82	118.26	-95.70	-199.14	-4,549.75	703.46	467.45	236.01	2.981		
11,900.00	7,780.00	11,928.18	7,850.00	121.43	120.87	-95.70	-199.23	-4,649.75	703.45	462.24	241.21	2.916		
12,000.00	7,780.00	12,028.18	7,850.00	124.05	123.49	-95.70	-199.32	-4,749.75	703.45	457.02	246.42	2.855		
12,100.00	7,780.00	12,128.18	7,850.00	126.67	126.11	-95.70	-199.40	-4,849.75	703.44	451.80	251.64	2.795		
12,200.00	7,780.00	12,228.18	7,850.00	129.29	128.73	-95.70	-199.49	-4,949.75	703.44	446.57	256.87	2.739		
12,300.00	7,780.00	12,328.18	7,850.00	131.92	131.36	-95.70	-199.58	-5,049.75	703.44	441.34	262.10	2.684		
12,400.00	7,780.00	12,428.18	7,850.00	134.54	133.99	-95.70	-199.67	-5,149.75	703.43	436.10	267.34	2.631		
12,500.00	7,780.00	12,528.18	7,850.00	137.17	136.62	-95.70	-199.75	-5,249.75	703.43	430.85	272.58	2.581		
12,600.00	7,780.00	12,628.18	7,850.00	139.81	139.25	-95.70	-199.84	-5,349.75	703.43	425.60	277.82	2.532		
12,700.00	7,780.00	12,728.18	7,850.00	142.44	141.89	-95.70	-199.93	-5,449.75	703.42	420.35	283.07	2.485		
12,800.00	7,780.00	12,828.18	7,850.00	145.08	144.53	-95.70	-200.02	-5,549.75	703.42	415.09	288.33	2.440		
12,900.00	7,780.00	12,928.18	7,850.00	147.72	147.17	-95.70	-200.10	-5,649.75	703.42	409.83	293.59	2.396		
13,000.00	7,780.00	13,028.18	7,850.00	150.36	149.81	-95.70	-200.19	-5,749.75	703.41	404.56	298.85	2.354		
13,100.00	7,780.00	13,128.18	7,850.00	153.00	152.45	-95.70	-200.28	-5,849.75	703.41	399.30	304.12	2.313		
13,200.00	7,780.00	13,228.18	7,850.00	155.65	155.10	-95.70	-200.37	-5,949.75	703.41	394.02	309.38	2.274		
13,300.00	7,780.00	13,328.18	7,850.00	158.29	157.75	-95.70	-200.46	-6,049.75	703.40	388.75	314.66	2.235		
13,400.00	7,780.00	13,428.18	7,850.00	160.94	160.40	-95.70	-200.54	-6,149.75	703.40	383.47	319.93	2.199		
13,500.00	7,780.00	13,528.18	7,850.00	163.59	163.05	-95.70	-200.63	-6,249.75	703.40	378.19	325.21	2.163		
13,600.00	7,780.00	13,628.18	7,850.00	166.24	165.70	-95.70	-200.72	-6,349.75	703.39	372.90	330.49	2.128		
13,700.00	7,780.00	13,728.18	7,850.00	168.90	168.35	-95.70	-200.81	-6,449.75	703.39	367.61	335.78	2.095		
13,800.00	7,780.00	13,828.18	7,850.00	171.55	171.01	-95.70	-200.89	-6,549.75	703.39	362.32	341.06	2.062		
13,900.00	7,780.00	13,928.18	7,850.00	174.20	173.66	-95.70	-200.98	-6,649.75	703.38	357.03	346.35	2.031		
14,000.00	7,780.00	14,028.18	7,850.00	176.86	176.32	-95.70	-201.07	-6,749.75	703.38	351.74	351.64	2.000		
14,100.00	7,780.00	14,128.18	7,850.00	179.52	178.98	-95.70	-201.16	-6,849.75	703.38	346.44	356.93	1.971		
14,200.00	7,780.00	14,228.18	7,850.00	182.18	181.63	-95.70	-201.24	-6,949.75	703.37	341.14	362.23	1.942		
14,300.00	7,780.00	14,328.18	7,850.00	184.83	184.29	-95.70	-201.33	-7,049.75	703.37	335.84	367.53	1.914		
14,400.00	7,780.00	14,428.18	7,850.00	187.49	186.96	-95.70	-201.42	-7,149.75	703.37	330.54	372.83	1.887		
14,500.00	7,780.00	14,528.18	7,850.00	190.16	189.62	-95.70	-201.51	-7,249.74	703.36	325.24	378.13	1.860		
14,600.00	7,780.00	14,628.18	7,850.00	192.82	192.28	-95.70	-201.59	-7,349.74	703.36	319.93	383.43	1.834		
14,700.00	7,780.00	14,728.18	7,850.00	195.48	194.94	-95.70	-201.68	-7,449.74	703.36	314.62	388.73	1.809		
14,800.00	7,780.00	14,828.18	7,850.00	198.14	197.61	-95.70	-201.77	-7,549.74	703.35	309.31	394.04	1.785		
14,900.00	7,780.00	14,928.18	7,850.00	200.81	200.27	-95.70	-201.86	-7,649.74	703.35	304.00	399.35	1.761		
15,000.00	7,780.00	15,028.18	7,850.00	203.47	202.94	-95.70	-201.94	-7,749.74	703.35	298.69	404.66	1.738		
15,100.00	7,780.00	15,128.18	7,850.00	206.14	205.61	-95.70	-202.03	-7,849.74	703.34	293.37	409.97	1.716		
15,200.00	7,780.00	15,228.18	7,850.00	208.81	208.27	-95.70	-202.12	-7,949.74	703.34	288.06	415.28	1.694		
15,300.00	7,780.00	15,328.18	7,850.00	211.48	210.94	-95.70	-202.21	-8,049.74	703.34	282.74	420.59	1.672		
15,400.00	7,780.00	15,428.18	7,850.00	214.14	213.61	-95.70	-202.29	-8,149.74	703.33	277.42	425.91	1.651		
15,500.00	7,780.00	15,528.18	7,850.00	216.81	216.28	-95.70	-202.38	-8,249.74	703.33	272.11	431.22	1.631		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<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 4AH - 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	
15,600.00	7,780.00	15,628.18	7,850.00	219.48	218.95	-95.70	-202.47	-8,349.74	703.32	266.78	436.54	1.611	
15,700.00	7,780.00	15,728.18	7,850.00	222.15	221.62	-95.70	-202.56	-8,449.74	703.32	261.46	441.86	1.592	
15,800.00	7,780.00	15,828.18	7,850.00	224.82	224.29	-95.70	-202.64	-8,549.74	703.32	256.14	447.18	1.573	
15,900.00	7,780.00	15,928.18	7,850.00	227.49	226.96	-95.70	-202.73	-8,649.74	703.31	250.82	452.50	1.554	
16,000.00	7,780.00	16,028.18	7,850.00	230.16	229.63	-95.70	-202.82	-8,749.74	703.31	245.49	457.82	1.536	
16,100.00	7,780.00	16,128.18	7,850.00	232.84	232.31	-95.70	-202.91	-8,849.74	703.31	240.17	463.14	1.519	
16,200.00	7,780.00	16,228.18	7,850.00	235.51	234.98	-95.70	-203.00	-8,949.74	703.30	234.84	468.46	1.501	
16,300.00	7,780.00	16,328.18	7,850.00	238.18	237.65	-95.70	-203.08	-9,049.74	703.30	229.51	473.79	1.484	Level 3
16,400.00	7,780.00	16,428.18	7,850.00	240.86	240.33	-95.70	-203.17	-9,149.74	703.30	224.18	479.11	1.468	Level 3
16,500.00	7,780.00	16,528.18	7,850.00	243.53	243.00	-95.70	-203.26	-9,249.74	703.29	218.86	484.44	1.452	Level 3
16,600.00	7,780.00	16,628.18	7,850.00	246.20	245.68	-95.70	-203.35	-9,349.74	703.29	213.52	489.77	1.436	Level 3
16,700.00	7,780.00	16,728.18	7,850.00	248.88	248.35	-95.70	-203.43	-9,449.74	703.29	208.19	495.09	1.421	Level 3
16,800.00	7,780.00	16,828.18	7,850.00	251.55	251.03	-95.70	-203.52	-9,549.74	703.28	202.86	500.42	1.405	Level 3
16,900.00	7,780.00	16,928.18	7,850.00	254.23	253.70	-95.70	-203.61	-9,649.74	703.28	197.53	505.75	1.391	Level 3
17,000.00	7,780.00	17,028.18	7,850.00	256.91	256.38	-95.70	-203.70	-9,749.74	703.28	192.20	511.08	1.376	Level 3
17,100.00	7,780.00	17,128.18	7,850.00	259.58	259.06	-95.70	-203.78	-9,849.74	703.27	186.86	516.41	1.362	Level 3
17,200.00	7,780.00	17,228.18	7,850.00	262.26	261.73	-95.70	-203.87	-9,949.74	703.27	181.53	521.74	1.348	Level 3
17,300.00	7,780.00	17,328.18	7,850.00	264.94	264.41	-95.70	-203.96	-10,049.74	703.27	176.19	527.07	1.334	Level 3
17,400.00	7,780.00	17,428.18	7,850.00	267.61	267.09	-95.70	-204.05	-10,149.74	703.26	170.86	532.41	1.321	Level 3
17,500.00	7,780.00	17,528.18	7,850.00	270.29	269.77	-95.70	-204.13	-10,249.74	703.26	165.52	537.74	1.308	Level 3
17,600.00	7,780.00	17,628.18	7,850.00	272.97	272.44	-95.70	-204.22	-10,349.74	703.26	160.18	543.07	1.295	Level 3
17,700.00	7,780.00	17,728.18	7,850.00	275.65	275.12	-95.70	-204.31	-10,449.74	703.25	154.85	548.41	1.282	Level 3
17,800.00	7,780.00	17,828.18	7,850.00	278.33	277.80	-95.70	-204.40	-10,549.74	703.25	149.51	553.74	1.270	Level 3
17,900.00	7,780.00	17,928.18	7,850.00	281.01	280.48	-95.70	-204.48	-10,649.74	703.25	144.17	559.08	1.258	Level 3
18,000.00	7,780.00	18,028.18	7,850.00	283.69	283.16	-95.70	-204.57	-10,749.74	703.24	138.83	564.41	1.246	Level 2
18,046.30	7,780.00	18,074.48	7,850.00	284.93	284.40	-95.70	-204.61	-10,796.05	703.24	136.36	566.88	1.241	Level 2, SF

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	0.90	-0.90	0.00	0.00	180.00	-40.07	0.00	40.07					
100.00	100.00	99.10	99.10	0.13	0.13	180.00	-40.07	0.00	40.07	39.80	0.27	149.712		
200.00	200.00	200.41	200.39	0.49	0.50	-179.30	-38.37	-0.47	38.40	37.40	1.00	38.555		
300.00	299.98	301.58	301.42	0.85	0.87	-145.08	-33.24	-1.90	34.79	33.07	1.72	20.207		
400.00	399.84	402.60	402.04	1.22	1.24	-145.92	-24.69	-4.28	30.67	28.23	2.45	12.544		
500.00	499.52	503.42	502.08	1.58	1.64	-148.18	-12.75	-7.60	25.41	22.24	3.17	8.011		
600.00	599.20	603.78	601.19	1.96	2.06	-149.65	2.50	-11.84	16.93	13.03	3.91	4.335		
700.00	698.87	703.45	699.00	2.33	2.51	-148.38	20.94	-16.97	5.07	0.43	4.64	1.092 Level 2		
735.71	734.46	738.83	733.55	2.47	2.68	-62.61	28.27	-19.01	0.33	-4.79	5.12	0.065 Level 1, CC, ES, SF		
800.00	798.54	802.20	795.19	2.71	2.99	24.82	42.43	-22.95	10.19	4.84	5.35	1.904		
900.00	898.22	899.81	889.46	3.09	3.49	25.17	66.79	-29.73	28.77	22.69	6.07	4.736		
1,000.00	997.89	996.07	981.53	3.47	4.03	24.75	93.84	-37.26	50.63	43.85	6.79	7.462		
1,100.00	1,097.57	1,090.80	1,071.17	3.85	4.61	24.28	123.36	-45.47	75.72	68.23	7.49	10.110		
1,200.00	1,197.24	1,183.84	1,158.17	4.23	5.21	23.85	155.11	-54.31	103.94	95.76	8.18	12.703		
1,300.00	1,296.91	1,275.04	1,242.36	4.61	5.84	23.47	188.85	-63.70	135.23	126.36	8.86	15.255		
1,400.00	1,396.59	1,367.30	1,326.59	4.99	6.50	23.14	225.15	-73.80	168.99	159.40	9.58	17.637		
1,500.00	1,496.26	1,461.33	1,412.32	5.37	7.20	22.91	262.36	-84.15	203.01	192.67	10.34	19.639		
1,600.00	1,595.93	1,555.37	1,498.05	5.75	7.90	22.74	299.58	-94.51	237.03	225.93	11.10	21.361		
1,700.00	1,695.61	1,649.40	1,583.78	6.13	8.61	22.62	336.79	-104.86	271.05	259.19	11.86	22.856		
1,800.00	1,795.28	1,743.43	1,669.52	6.51	9.32	22.52	374.00	-115.21	305.08	292.45	12.62	24.165		
1,900.00	1,894.95	1,837.46	1,755.25	6.89	10.04	22.45	411.22	-125.57	339.10	325.71	13.39	25.321		
2,000.00	1,994.63	1,931.49	1,840.98	7.27	10.75	22.38	448.43	-135.92	373.13	358.97	14.16	26.347		
2,100.00	2,094.30	2,025.53	1,926.71	7.65	11.47	22.33	485.64	-146.28	407.16	392.22	14.93	27.265		
2,200.00	2,193.97	2,119.56	2,012.44	8.03	12.19	22.29	522.86	-156.63	441.18	425.48	15.71	28.091		
2,300.00	2,293.65	2,213.59	2,098.18	8.41	12.91	22.25	560.07	-166.99	475.21	458.73	16.48	28.837		
2,400.00	2,393.32	2,307.62	2,183.91	8.79	13.64	22.21	597.28	-177.34	509.24	491.98	17.25	29.514		
2,500.00	2,492.99	2,401.66	2,269.64	9.17	14.36	22.19	634.50	-187.70	543.26	525.24	18.03	30.132		
2,600.00	2,592.67	2,504.31	2,355.37	9.55	15.15	22.16	671.71	-198.05	577.29	558.45	18.85	30.633		
2,700.00	2,692.34	2,589.72	2,441.11	9.93	15.81	22.14	708.92	-208.40	611.32	591.74	19.58	31.217		
2,800.00	2,792.01	2,683.75	2,526.84	10.31	16.54	22.12	746.14	-218.76	645.35	624.99	20.36	31.696		
2,900.00	2,891.69	2,777.79	2,612.57	10.69	17.27	22.10	783.35	-229.11	679.37	658.24	21.14	32.139		
3,000.00	2,991.36	2,871.82	2,698.30	11.07	17.99	22.08	820.56	-239.47	713.40	691.48	21.92	32.549		
3,100.00	3,091.03	2,965.85	2,784.04	11.45	18.72	22.07	857.78	-249.82	747.43	724.73	22.70	32.931		
3,200.00	3,190.71	3,059.88	2,869.77	11.83	19.45	22.05	894.99	-260.18	781.46	757.98	23.48	33.287		
3,300.00	3,290.38	3,153.92	2,955.50	12.21	20.18	22.04	932.21	-270.53	815.49	791.23	24.26	33.619		
3,400.00	3,390.05	3,247.95	3,041.23	12.59	20.91	22.03	969.42	-280.89	849.51	824.48	25.04	33.931		
3,500.00	3,489.73	3,341.98	3,126.96	12.97	21.64	22.02	1,006.63	-291.24	883.54	857.72	25.82	34.223		
3,600.00	3,589.40	3,436.01	3,212.70	13.35	22.37	22.01	1,043.85	-301.60	917.57	890.97	26.60	34.497		
3,700.00	3,689.07	3,530.05	3,298.43	13.73	23.10	22.00	1,081.06	-311.95	951.60	924.22	27.38	34.755		
3,800.00	3,788.75	3,624.08	3,384.16	14.12	23.83	21.99	1,118.27	-322.30	985.62	957.46	28.16	34.999		
3,900.00	3,888.42	3,718.11	3,469.89	14.50	24.56	21.98	1,155.49	-332.66	1,019.65	990.71	28.94	35.229		
4,000.00	3,988.09	3,812.14	3,555.63	14.88	25.29	21.98	1,192.70	-343.01	1,053.68	1,023.95	29.73	35.447		
4,100.00	4,087.77	3,906.17	3,641.36	15.26	26.02	21.97	1,229.91	-353.37	1,087.71	1,057.20	30.51	35.653		
4,200.00	4,187.44	4,000.21	3,727.09	15.64	26.75	21.96	1,267.13	-363.72	1,121.74	1,090.45	31.29	35.849		
4,300.00	4,287.11	4,105.76	3,812.82	16.02	27.57	21.96	1,304.34	-374.08	1,155.76	1,123.64	32.13	35.975		
4,400.00	4,386.79	4,188.27	3,898.56	16.40	28.21	21.95	1,341.55	-384.43	1,189.79	1,156.94	32.86	36.212		
4,500.00	4,486.46	4,282.30	3,984.29	16.78	28.94	21.95	1,378.77	-394.79	1,223.82	1,190.18	33.64	36.380		
4,600.00	4,586.14	4,376.34	4,070.02	17.16	29.67	21.94	1,415.98	-405.14	1,257.85	1,223.42	34.42	36.540		
4,700.00	4,685.81	4,470.37	4,155.75	17.54	30.40	21.94	1,453.19	-415.49	1,291.88	1,256.67	35.21	36.694		
4,800.00	4,785.48	4,564.40	4,241.49	17.92	31.14	21.93	1,490.41	-425.85	1,325.90	1,289.91	35.99	36.840		
4,900.00	4,885.16	4,658.43	4,327.22	18.30	31.87	21.93	1,527.62	-436.20	1,359.93	1,323.16	36.78	36.980		
5,000.00	4,984.83	4,752.47	4,412.95	18.68	32.60	21.92	1,564.83	-446.56	1,393.96	1,356.40	37.56	37.113		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	5,084.50	4,846.50	4,498.68	19.06	33.33	21.92	1,602.05	-456.91	1,427.99	1,389.64	38.34	37.241		
5,200.00	5,184.18	4,940.53	4,584.41	19.44	34.06	21.92	1,639.26	-467.27	1,462.02	1,422.89	39.13	37.364		
5,300.00	5,283.85	5,034.56	4,670.15	19.82	34.79	21.91	1,676.47	-477.62	1,496.04	1,456.13	39.91	37.482		
5,400.00	5,383.52	5,128.60	4,755.88	20.21	35.53	21.91	1,713.69	-487.98	1,530.07	1,489.37	40.70	37.595		
5,500.00	5,483.20	5,222.63	4,841.61	20.59	36.26	21.90	1,750.90	-498.33	1,564.10	1,522.62	41.48	37.704		
5,600.00	5,582.87	5,316.66	4,927.34	20.97	36.99	21.90	1,788.11	-508.68	1,598.13	1,555.86	42.27	37.808		
5,700.00	5,682.54	5,410.69	5,013.08	21.35	37.72	21.90	1,825.33	-519.04	1,632.16	1,589.10	43.06	37.909		
5,800.00	5,782.22	5,504.72	5,098.81	21.73	38.45	21.90	1,862.54	-529.39	1,666.18	1,622.34	43.84	38.005		
5,900.00	5,881.89	5,598.76	5,184.54	22.11	39.18	21.89	1,899.75	-539.75	1,700.21	1,655.58	44.63	38.098		
6,000.00	5,981.56	5,707.21	5,270.27	22.49	40.03	21.89	1,936.97	-550.10	1,734.24	1,688.76	45.48	38.132		
6,100.00	6,081.24	5,786.82	5,356.01	22.87	40.65	21.89	1,974.18	-560.46	1,768.27	1,722.07	46.20	38.275		
6,200.00	6,180.91	5,880.85	5,441.74	23.25	41.38	21.88	2,011.39	-570.81	1,802.30	1,755.31	46.99	38.358		
6,300.00	6,280.58	5,974.89	5,527.47	23.63	42.11	21.88	2,048.61	-581.17	1,836.32	1,788.55	47.77	38.439		
6,400.00	6,380.26	6,068.92	5,613.20	24.01	42.85	21.88	2,085.82	-591.52	1,870.35	1,821.79	48.56	38.517		
6,500.00	6,479.93	6,162.95	5,698.93	24.39	43.58	21.88	2,123.03	-601.88	1,904.38	1,855.03	49.35	38.592		
6,600.00	6,579.60	6,256.98	5,784.67	24.77	44.31	21.88	2,160.25	-612.23	1,938.41	1,888.27	50.13	38.665		
6,700.00	6,679.28	6,351.02	5,870.40	25.15	45.04	21.87	2,197.46	-622.58	1,972.44	1,921.51	50.92	38.735		
6,800.00	6,778.95	6,445.05	5,956.13	25.53	45.77	21.87	2,234.68	-632.94	2,006.46	1,954.76	51.71	38.803		
6,900.00	6,878.62	6,539.08	6,041.86	25.92	46.51	21.87	2,271.89	-643.29	2,040.49	1,988.00	52.50	38.869		
7,000.00	6,978.30	6,633.11	6,127.60	26.30	47.24	21.87	2,309.10	-653.65	2,074.52	2,021.24	53.28	38.933		
7,100.00	7,077.97	6,727.15	6,213.33	26.68	47.97	21.87	2,346.32	-664.00	2,108.55	2,054.48	54.07	38.994		
7,200.00	7,177.64	6,821.18	6,299.06	27.06	48.70	21.86	2,383.53	-674.36	2,142.58	2,087.71	54.86	39.054		
7,300.00	7,277.20	6,915.28	6,384.86	27.44	49.44	21.86	2,420.77	-684.72	2,176.28	2,120.62	55.66	39.101		
7,400.00	7,374.70	7,009.05	6,470.35	27.87	50.17	21.86	2,457.88	-695.04	2,206.85	2,150.33	56.52	39.047		
7,500.00	7,467.14	7,100.10	6,553.18	28.34	50.88	21.86	2,493.83	-705.05	2,233.23	2,175.77	57.46	38.866		
7,600.00	7,551.72	7,185.08	6,630.84	28.86	51.54	21.86	2,527.54	-714.43	2,255.28	2,196.79	58.50	38.553		
7,700.00	7,625.87	7,261.99	6,700.96	29.46	52.14	21.86	2,557.98	-722.90	2,273.26	2,213.59	59.67	38.096		
7,800.00	7,687.33	7,328.30	6,761.42	30.18	52.65	21.86	2,584.22	-730.20	2,287.65	2,226.63	61.02	37.488		
7,900.00	7,734.24	7,381.99	6,810.37	31.04	53.07	21.86	2,605.47	-736.11	2,299.09	2,236.50	62.59	36.733		
8,000.00	7,765.16	7,421.44	6,846.34	32.07	53.38	21.86	2,621.08	-740.45	2,308.20	2,243.82	64.38	35.853		
8,100.00	7,779.17	7,445.44	6,868.22	33.26	53.57	21.86	2,630.58	-743.10	2,315.48	2,249.12	66.36	34.895		
8,200.00	7,780.00	7,457.19	6,878.93	34.59	53.66	21.86	2,635.23	-744.39	2,322.59	2,254.11	68.48	33.916		
8,300.00	7,780.00	7,468.16	6,888.94	36.06	53.74	21.86	2,639.57	-745.60	2,333.64	2,262.85	70.78	32.969		
8,400.00	7,780.00	7,479.14	6,898.94	37.67	53.83	21.86	2,643.92	-746.81	2,348.85	2,275.62	73.22	32.078		
8,500.00	7,780.00	7,509.89	6,908.95	39.41	54.07	21.86	2,648.26	-748.02	2,368.14	2,292.27	75.86	31.216		
8,600.00	7,780.00	7,501.09	6,918.96	41.24	54.00	21.86	2,652.60	-749.23	2,391.40	2,313.06	78.34	30.525		
8,700.00	7,780.00	7,512.06	6,928.96	43.17	54.09	21.86	2,656.95	-750.43	2,418.53	2,337.59	80.95	29.878		
8,800.00	7,780.00	7,523.04	6,938.97	45.18	54.17	21.86	2,661.29	-751.64	2,449.40	2,365.86	83.54	29.321		
8,900.00	7,780.00	7,534.02	6,948.98	47.25	54.26	21.86	2,665.64	-752.85	2,483.86	2,397.77	86.09	28.851		
9,000.00	7,780.00	7,544.99	6,958.99	49.39	54.34	21.86	2,669.98	-754.06	2,521.77	2,433.19	88.59	28.466		
9,100.00	7,780.00	7,555.97	6,968.99	51.58	54.43	21.86	2,674.32	-755.27	2,562.98	2,471.97	91.01	28.161		
9,200.00	7,780.00	7,566.94	6,979.00	53.81	54.51	21.86	2,678.67	-756.48	2,607.33	2,513.98	93.35	27.930		
9,300.00	7,780.00	7,577.92	6,989.01	56.09	54.60	21.86	2,683.01	-757.69	2,654.66	2,559.06	95.60	27.769		
9,400.00	7,780.00	7,588.89	6,999.01	58.40	54.68	21.86	2,687.35	-758.89	2,704.82	2,607.07	97.74	27.672		
9,500.00	7,780.00	7,600.13	7,009.02	60.74	54.77	21.86	2,691.70	-760.10	2,757.65	2,657.85	99.79	27.634		
9,600.00	7,780.00	7,610.85	7,019.03	63.11	54.85	21.86	2,696.04	-761.31	2,812.99	2,711.26	101.73	27.650		
9,700.00	7,780.00	7,621.82	7,029.03	65.51	54.94	21.86	2,700.38	-762.52	2,870.72	2,767.14	103.58	27.716		
9,800.00	7,780.00	7,632.80	7,039.04	67.93	55.03	21.86	2,704.73	-763.73	2,930.68	2,825.36	105.32	27.826		
9,900.00	7,780.00	7,643.77	7,049.05	70.37	55.11	21.86	2,709.07	-764.94	2,992.74	2,885.77	106.97	27.978		
10,000.00	7,780.00	7,654.75	7,059.05	72.82	55.20	21.86	2,713.42	-766.15	3,056.77	2,948.25	108.52	28.167		
10,100.00	7,780.00	7,665.72	7,069.06	75.30	55.28	21.86	2,717.76	-767.35	3,122.65	3,012.66	109.99	28.390		
10,200.00	7,780.00	7,676.70	7,079.07	77.79	55.37	21.86	2,722.10	-768.56	3,190.27	3,078.90	111.37	28.645		

CC - Min centre to center distance or convergent 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 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	7,780.00	7,687.67	7,089.07	80.29	55.45	72.75	2,726.45	-769.77	3,259.52	3,146.85	112.68	28.928		
10,400.00	7,780.00	7,698.65	7,099.08	82.80	55.54	73.02	2,730.79	-770.98	3,330.30	3,216.40	113.90	29.238		
10,500.00	7,780.00	7,709.63	7,109.09	85.32	55.62	73.28	2,735.13	-772.19	3,402.51	3,287.44	115.06	29.571		
10,600.00	7,780.00	7,720.60	7,119.09	87.86	55.71	73.55	2,739.48	-773.40	3,476.06	3,359.90	116.16	29.926		
10,700.00	7,780.00	7,731.58	7,129.10	90.40	55.80	73.82	2,743.82	-774.61	3,550.87	3,433.68	117.19	30.301		
10,800.00	7,780.00	7,742.55	7,139.11	92.95	55.88	74.08	2,748.16	-775.81	3,626.86	3,508.70	118.16	30.694		
10,900.00	7,780.00	7,753.53	7,149.11	95.51	55.97	74.35	2,752.51	-777.02	3,703.96	3,584.87	119.08	31.104		
11,000.00	7,780.00	7,764.50	7,159.12	98.08	56.05	74.61	2,756.85	-778.23	3,782.10	3,662.14	119.96	31.529		
11,100.00	7,780.00	7,775.48	7,169.13	100.66	56.14	74.88	2,761.19	-779.44	3,861.21	3,740.43	120.78	31.968		
11,200.00	7,780.00	7,786.45	7,179.13	103.24	56.22	75.14	2,765.54	-780.65	3,941.25	3,819.68	121.57	32.420		
11,300.00	7,780.00	7,797.43	7,189.14	105.82	56.31	75.40	2,769.88	-781.86	4,022.15	3,899.84	122.31	32.884		
11,400.00	7,780.00	7,808.41	7,199.15	108.41	56.39	75.67	2,774.23	-783.07	4,103.86	3,980.84	123.02	33.359		
11,500.00	7,780.00	7,806.29	7,197.22	111.01	56.38	75.62	2,773.39	-782.83	4,186.36	4,062.88	123.48	33.904		
11,600.00	7,780.00	7,806.29	7,197.22	113.61	56.38	75.62	2,773.39	-782.83	4,269.60	4,145.67	123.94	34.450		
11,700.00	7,780.00	7,806.29	7,197.22	116.21	56.38	75.62	2,773.39	-782.83	4,353.55	4,229.19	124.37	35.006		
11,800.00	7,780.00	7,806.29	7,197.22	118.82	56.38	75.62	2,773.39	-782.83	4,438.17	4,313.40	124.77	35.572		
11,900.00	7,780.00	7,806.29	7,197.22	121.43	56.38	75.62	2,773.39	-782.83	4,523.41	4,398.27	125.14	36.147		
12,000.00	7,780.00	7,806.29	7,197.22	124.05	56.38	75.62	2,773.39	-782.83	4,609.25	4,483.76	125.49	36.731		
12,100.00	7,780.00	7,806.29	7,197.22	126.67	56.38	75.62	2,773.39	-782.83	4,695.65	4,569.83	125.81	37.322		
12,200.00	7,780.00	7,806.29	7,197.22	129.29	56.38	75.62	2,773.39	-782.83	4,782.57	4,656.46	126.12	37.921		
12,300.00	7,780.00	7,806.29	7,197.22	131.92	56.38	75.62	2,773.39	-782.83	4,870.00	4,743.60	126.41	38.527		
12,400.00	7,780.00	7,806.29	7,197.22	134.54	56.38	75.62	2,773.39	-782.83	4,957.91	4,831.24	126.67	39.139		
12,500.00	7,780.00	7,806.29	7,197.22	137.17	56.38	75.62	2,773.39	-782.83	5,046.26	4,919.34	126.92	39.758		
12,600.00	7,780.00	7,806.29	7,197.22	139.81	56.38	75.62	2,773.39	-782.83	5,135.05	5,007.88	127.16	40.382		
12,700.00	7,780.00	7,806.29	7,197.22	142.44	56.38	75.62	2,773.39	-782.83	5,224.23	5,096.85	127.38	41.012		
12,800.00	7,780.00	7,806.29	7,197.22	145.08	56.38	75.62	2,773.39	-782.83	5,313.81	5,186.21	127.59	41.647		
12,900.00	7,780.00	7,806.29	7,197.22	147.72	56.38	75.62	2,773.39	-782.83	5,403.74	5,275.96	127.79	42.287		
13,000.00	7,780.00	7,806.29	7,197.22	150.36	56.38	75.62	2,773.39	-782.83	5,494.03	5,366.06	127.97	42.931		
13,100.00	7,780.00	7,806.29	7,197.22	153.00	56.38	75.62	2,773.39	-782.83	5,584.65	5,456.50	128.15	43.580		
13,200.00	7,780.00	7,826.15	7,215.36	155.65	56.53	76.09	2,781.26	-784.68	5,675.23	5,546.57	128.66	44.111		
13,300.00	7,780.00	7,826.89	7,216.03	158.29	56.53	76.11	2,781.56	-784.73	5,766.44	5,637.61	128.83	44.762		
13,400.00	7,780.00	7,827.60	7,216.68	160.94	56.54	76.13	2,781.84	-784.79	5,857.93	5,728.94	128.99	45.415		
13,500.00	7,780.00	7,828.29	7,217.31	163.59	56.54	76.15	2,782.11	-784.84	5,949.69	5,820.56	129.14	46.073		
13,600.00	7,780.00	7,828.95	7,217.92	166.24	56.55	76.16	2,782.38	-784.88	6,041.72	5,912.44	129.28	46.733		
13,700.00	7,780.00	7,829.60	7,218.51	168.90	56.55	76.18	2,782.63	-784.93	6,133.99	6,004.57	129.42	47.397		
13,800.00	7,780.00	7,830.22	7,219.08	171.55	56.56	76.19	2,782.88	-784.97	6,226.50	6,096.96	129.55	48.063		
13,900.00	7,780.00	7,850.00	7,237.20	174.20	56.71	76.67	2,790.75	-785.99	6,319.57	6,189.57	130.00	48.611		
14,000.00	7,780.00	7,850.00	7,237.20	176.86	56.71	76.67	2,790.75	-785.99	6,412.51	6,282.40	130.11	49.285		
14,100.00	7,780.00	7,850.00	7,237.20	179.52	56.71	76.67	2,790.75	-785.99	6,505.66	6,375.44	130.21	49.961		
14,200.00	7,780.00	7,850.00	7,237.20	182.18	56.71	76.67	2,790.75	-785.99	6,599.01	6,468.69	130.31	50.640		
14,300.00	7,780.00	7,850.00	7,237.20	184.83	56.71	76.67	2,790.75	-785.99	6,692.55	6,562.14	130.41	51.321		
14,400.00	7,780.00	7,850.00	7,237.20	187.49	56.71	76.67	2,790.75	-785.99	6,786.27	6,655.77	130.50	52.003		
14,500.00	7,780.00	7,850.00	7,237.20	190.16	56.71	76.67	2,790.75	-785.99	6,880.17	6,749.59	130.58	52.688		
14,600.00	7,780.00	7,850.00	7,237.20	192.82	56.71	76.67	2,790.75	-785.99	6,974.24	6,843.58	130.66	53.375		
14,700.00	7,780.00	7,850.00	7,237.20	195.48	56.71	76.67	2,790.75	-785.99	7,068.47	6,937.73	130.74	54.064		
14,800.00	7,780.00	7,850.00	7,237.20	198.14	56.71	76.67	2,790.75	-785.99	7,162.86	7,032.05	130.82	54.754		
14,900.00	7,780.00	7,850.00	7,237.20	200.81	56.71	76.67	2,790.75	-785.99	7,257.40	7,126.51	130.89	55.446		
15,000.00	7,780.00	7,850.00	7,237.20	203.47	56.71	76.67	2,790.75	-785.99	7,352.09	7,221.13	130.96	56.140		
15,100.00	7,780.00	7,850.00	7,237.20	206.14	56.71	76.67	2,790.75	-785.99	7,446.91	7,315.88	131.03	56.834		
15,200.00	7,780.00	7,850.00	7,237.20	208.81	56.71	76.67	2,790.75	-785.99	7,541.87	7,410.78	131.09	57.531		
15,300.00	7,780.00	7,850.00	7,237.20	211.48	56.71	76.67	2,790.75	-785.99	7,636.95	7,505.80	131.16	58.228		
15,400.00	7,780.00	7,850.00	7,237.20	214.14	56.71	76.67	2,790.75	-785.99	7,732.16	7,600.95	131.22	58.927		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	7,780.00	7,850.00	7,237.20	216.81	56.71	76.67	2,790.75	-785.99	7,827.49	7,696.22	131.28	59.626		
15,600.00	7,780.00	7,850.00	7,237.20	219.48	56.71	76.67	2,790.75	-785.99	7,922.94	7,791.61	131.33	60.327		
15,700.00	7,780.00	7,850.00	7,237.20	222.15	56.71	76.67	2,790.75	-785.99	8,018.49	7,887.11	131.39	61.029		
15,800.00	7,780.00	7,850.00	7,237.20	224.82	56.71	76.67	2,790.75	-785.99	8,114.16	7,982.71	131.44	61.732		
15,900.00	7,780.00	7,850.00	7,237.20	227.49	56.71	76.67	2,790.75	-785.99	8,209.92	8,078.43	131.49	62.436		
16,000.00	7,780.00	7,850.00	7,237.20	230.16	56.71	76.67	2,790.75	-785.99	8,305.79	8,174.24	131.54	63.140		
16,100.00	7,780.00	7,850.00	7,237.20	232.84	56.71	76.67	2,790.75	-785.99	8,401.75	8,270.16	131.59	63.846		
16,200.00	7,780.00	7,850.00	7,237.20	235.51	56.71	76.67	2,790.75	-785.99	8,497.81	8,366.16	131.64	64.552		
16,300.00	7,780.00	7,850.00	7,237.20	238.18	56.71	76.67	2,790.75	-785.99	8,593.95	8,462.26	131.69	65.259		
16,400.00	7,780.00	7,850.00	7,237.20	240.86	56.71	76.67	2,790.75	-785.99	8,690.18	8,558.45	131.74	65.966		
16,500.00	7,780.00	7,850.00	7,237.20	243.53	56.71	76.67	2,790.75	-785.99	8,786.50	8,654.72	131.78	66.674		
16,600.00	7,780.00	7,850.00	7,237.20	246.20	56.71	76.67	2,790.75	-785.99	8,882.90	8,751.07	131.83	67.383		
16,700.00	7,780.00	7,850.00	7,237.20	248.88	56.71	76.67	2,790.75	-785.99	8,979.37	8,847.50	131.87	68.092		
16,800.00	7,780.00	7,850.00	7,237.20	251.55	56.71	76.67	2,790.75	-785.99	9,075.93	8,944.01	131.91	68.801		
16,900.00	7,780.00	7,850.00	7,237.20	254.23	56.71	76.67	2,790.75	-785.99	9,172.55	9,040.60	131.96	69.511		
17,000.00	7,780.00	7,850.00	7,237.20	256.91	56.71	76.67	2,790.75	-785.99	9,269.25	9,137.25	132.00	70.222		
17,100.00	7,780.00	7,850.00	7,237.20	259.58	56.71	76.67	2,790.75	-785.99	9,366.02	9,233.98	132.04	70.933		
17,200.00	7,780.00	7,850.00	7,237.20	262.26	56.71	76.67	2,790.75	-785.99	9,462.85	9,330.77	132.08	71.644		
17,300.00	7,780.00	7,850.00	7,237.20	264.94	56.71	76.67	2,790.75	-785.99	9,559.75	9,427.63	132.12	72.355		
17,400.00	7,780.00	7,850.00	7,237.20	267.61	56.71	76.67	2,790.75	-785.99	9,656.72	9,524.55	132.16	73.067		
17,500.00	7,780.00	7,850.00	7,237.20	270.29	56.71	76.67	2,790.75	-785.99	9,753.74	9,621.54	132.20	73.779		
17,600.00	7,780.00	7,850.00	7,237.20	272.97	56.71	76.67	2,790.75	-785.99	9,850.83	9,718.58	132.24	74.491		
17,700.00	7,780.00	7,850.00	7,237.20	275.65	56.71	76.67	2,790.75	-785.99	9,947.97	9,815.69	132.28	75.203		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	0.80	-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	200.00	199.20	199.20	0.49	0.49	-179.73	-60.10	-0.28	60.11	59.12	0.98	61.149		
300.00	299.98	301.20	301.18	0.85	0.86	-146.69	-58.41	-0.86	59.90	58.20	1.71	35.056		
400.00	399.84	403.21	403.04	1.22	1.23	-147.83	-53.29	-2.63	59.26	56.83	2.44	24.327		
500.00	499.52	505.17	504.60	1.58	1.61	-149.36	-44.75	-5.57	57.53	54.36	3.17	18.176		
600.00	599.20	606.93	605.56	1.96	2.00	-150.08	-32.82	-9.68	52.56	48.66	3.90	13.483		
700.00	698.87	708.23	705.57	2.33	2.42	-149.75	-17.59	-14.92	44.18	39.55	4.63	9.536		
800.00	798.54	808.82	804.25	2.71	2.86	-147.49	0.83	-21.27	32.46	27.09	5.37	6.041		
900.00	898.22	908.47	901.27	3.09	3.33	-138.27	22.30	-28.66	17.70	11.55	6.16	2.876		
989.39	987.32	996.57	986.34	3.43	3.79	-69.95	43.93	-36.11	6.32	-0.87	7.19	0.879	Level 1, CC, ES, SF	
1,000.00	997.89	1,006.95	996.32	3.47	3.84	-51.67	46.64	-37.05	6.67	-0.51	7.18	0.930	Level 1	
1,100.00	1,097.57	1,104.06	1,089.13	3.85	4.38	4.47	73.65	-46.35	24.95	17.48	7.47	3.339		
1,200.00	1,197.24	1,199.59	1,179.43	4.23	4.95	11.61	103.12	-56.50	49.78	41.62	8.16	6.104		
1,300.00	1,296.91	1,304.44	1,269.47	4.61	5.60	14.02	134.52	-67.32	76.89	67.97	8.93	8.613		
1,400.00	1,396.59	1,408.22	1,359.73	4.99	6.27	15.18	166.03	-78.17	104.11	94.40	9.71	10.723		
1,500.00	1,496.26	1,487.99	1,449.98	5.37	6.79	15.86	197.55	-89.02	131.34	120.95	10.39	12.637		
1,600.00	1,595.93	1,584.20	1,540.23	5.75	7.42	16.30	229.06	-99.88	158.59	147.44	11.15	14.224		
1,700.00	1,695.61	1,680.41	1,630.49	6.13	8.05	16.62	260.57	-110.73	185.84	173.93	11.91	15.607		
1,800.00	1,795.28	1,776.62	1,720.74	6.51	8.69	16.85	292.09	-121.59	213.10	200.43	12.67	16.822		
1,900.00	1,894.95	1,872.83	1,810.99	6.89	9.33	17.03	323.60	-132.44	240.36	226.93	13.43	17.898		
2,000.00	1,994.63	1,969.04	1,901.24	7.27	9.97	17.18	355.11	-143.29	267.62	253.42	14.19	18.857		
2,100.00	2,094.30	2,065.25	1,991.50	7.65	10.62	17.30	386.62	-154.15	294.88	279.92	14.96	19.716		
2,200.00	2,193.97	2,161.46	2,081.75	8.03	11.26	17.39	418.14	-165.00	322.14	306.42	15.72	20.491		
2,300.00	2,293.65	2,257.67	2,172.00	8.41	11.91	17.48	449.65	-175.86	349.41	332.92	16.49	21.193		
2,400.00	2,393.32	2,353.88	2,262.26	8.79	12.56	17.55	481.16	-186.71	376.67	359.42	17.25	21.831		
2,500.00	2,492.99	2,450.09	2,352.51	9.17	13.21	17.61	512.68	-197.56	403.93	385.91	18.02	22.415		
2,600.00	2,592.67	2,546.30	2,442.76	9.55	13.86	17.66	544.19	-208.42	431.20	412.41	18.79	22.950		
2,700.00	2,692.34	2,642.51	2,533.01	9.93	14.51	17.71	575.70	-219.27	458.46	438.91	19.56	23.442		
2,800.00	2,792.01	2,738.72	2,623.27	10.31	15.16	17.75	607.22	-230.13	485.73	465.40	20.33	23.897		
2,900.00	2,891.69	2,834.93	2,713.52	10.69	15.81	17.79	638.73	-240.98	513.00	491.90	21.10	24.318		
3,000.00	2,991.36	2,931.14	2,803.77	11.07	16.46	17.82	670.24	-251.83	540.26	518.40	21.86	24.709		
3,100.00	3,091.03	3,027.36	2,894.03	11.45	17.11	17.85	701.76	-262.69	567.53	544.89	22.63	25.074		
3,200.00	3,190.71	3,123.57	2,984.28	11.83	17.77	17.88	733.27	-273.54	594.79	571.39	23.40	25.413		
3,300.00	3,290.38	3,219.78	3,074.53	12.21	18.42	17.90	764.78	-284.40	622.06	597.89	24.18	25.731		
3,400.00	3,390.05	3,315.99	3,164.78	12.59	19.07	17.93	796.30	-295.25	649.33	624.38	24.95	26.029		
3,500.00	3,489.73	3,412.20	3,255.04	12.97	19.73	17.95	827.81	-306.10	676.59	650.88	25.72	26.309		
3,600.00	3,589.40	3,508.41	3,345.29	13.35	20.38	17.97	859.32	-316.96	703.86	677.37	26.49	26.573		
3,700.00	3,689.07	3,604.62	3,435.54	13.73	21.03	17.98	890.84	-327.81	731.13	703.87	27.26	26.821		
3,800.00	3,788.75	3,700.83	3,525.80	14.12	21.69	18.00	922.35	-338.67	758.39	730.36	28.03	27.055		
3,900.00	3,888.42	3,802.96	3,616.05	14.50	22.38	18.02	953.86	-349.52	785.66	756.83	28.83	27.252		
4,000.00	3,988.09	3,906.75	3,706.30	14.88	23.09	18.03	985.37	-360.37	812.93	783.29	29.63	27.432		
4,100.00	4,087.77	3,989.46	3,796.55	15.26	23.65	18.04	1,016.89	-371.23	840.20	809.85	30.35	27.686		
4,200.00	4,187.44	4,085.67	3,886.81	15.64	24.31	18.06	1,048.40	-382.08	867.46	836.34	31.12	27.875		
4,300.00	4,287.11	4,181.88	3,977.06	16.02	24.96	18.07	1,079.91	-392.94	894.73	862.84	31.89	28.054		
4,400.00	4,386.79	4,278.09	4,067.31	16.40	25.62	18.08	1,111.43	-403.79	922.00	889.33	32.67	28.226		
4,500.00	4,486.46	4,374.30	4,157.57	16.78	26.27	18.09	1,142.94	-414.64	949.26	915.83	33.44	28.389		
4,600.00	4,586.14	4,470.51	4,247.82	17.16	26.93	18.10	1,174.45	-425.50	976.53	942.32	34.21	28.544		
4,700.00	4,685.81	4,566.72	4,338.07	17.54	27.58	18.11	1,205.97	-436.35	1,003.80	968.81	34.98	28.693		
4,800.00	4,785.48	4,662.94	4,428.33	17.92	28.24	18.12	1,237.48	-447.21	1,031.07	995.31	35.76	28.835		
4,900.00	4,885.16	4,759.15	4,518.58	18.30	28.90	18.13	1,268.99	-458.06	1,058.33	1,021.80	36.53	28.971		
5,000.00	4,984.83	4,855.36	4,608.83	18.68	29.55	18.14	1,300.51	-468.91	1,085.60	1,048.30	37.30	29.101		

CC - Min centre to center distance or convergent 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 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	5,084.50	4,951.57	4,699.08	19.06	30.21	18.14	1,332.02	-479.77	1,112.87	1,074.79	38.08	29.226		
5,200.00	5,184.18	5,047.78	4,789.34	19.44	30.86	18.15	1,363.53	-490.62	1,140.13	1,101.28	38.85	29.345		
5,300.00	5,283.85	5,143.99	4,879.59	19.82	31.52	18.16	1,395.05	-501.48	1,167.40	1,127.78	39.63	29.460		
5,400.00	5,383.52	5,240.20	4,969.84	20.21	32.18	18.16	1,426.56	-512.33	1,194.67	1,154.27	40.40	29.571		
5,500.00	5,483.20	5,336.41	5,060.10	20.59	32.83	18.17	1,458.07	-523.18	1,221.94	1,180.76	41.17	29.677		
5,600.00	5,582.87	5,432.62	5,150.35	20.97	33.49	18.18	1,489.58	-534.04	1,249.20	1,207.25	41.95	29.779		
5,700.00	5,682.54	5,528.83	5,240.60	21.35	34.14	18.18	1,521.10	-544.89	1,276.47	1,233.75	42.72	29.877		
5,800.00	5,782.22	5,625.04	5,330.85	21.73	34.80	18.19	1,552.61	-555.75	1,303.74	1,260.24	43.50	29.972		
5,900.00	5,881.89	5,721.25	5,421.11	22.11	35.46	18.19	1,584.12	-566.60	1,331.01	1,286.73	44.27	30.064		
6,000.00	5,981.56	5,817.46	5,511.36	22.49	36.11	18.20	1,615.64	-577.45	1,358.27	1,313.23	45.05	30.152		
6,100.00	6,081.24	5,913.67	5,601.61	22.87	36.77	18.20	1,647.15	-588.31	1,385.54	1,339.72	45.82	30.237		
6,200.00	6,180.91	6,009.88	5,691.87	23.25	37.43	18.21	1,678.66	-599.16	1,412.81	1,366.21	46.60	30.319		
6,300.00	6,280.58	6,106.09	5,782.12	23.63	38.08	18.21	1,710.18	-610.02	1,440.08	1,392.70	47.37	30.399		
6,400.00	6,380.26	6,202.30	5,872.37	24.01	38.74	18.22	1,741.69	-620.87	1,467.34	1,419.19	48.15	30.476		
6,500.00	6,479.93	6,301.49	5,962.62	24.39	39.41	18.22	1,773.20	-631.72	1,494.61	1,445.67	48.94	30.542		
6,600.00	6,579.60	6,394.73	6,052.88	24.77	40.05	18.23	1,804.72	-642.58	1,521.88	1,472.18	49.70	30.622		
6,700.00	6,679.28	6,509.06	6,143.13	25.15	40.83	18.23	1,836.23	-653.43	1,549.15	1,498.59	50.55	30.643		
6,800.00	6,778.95	6,587.15	6,233.38	25.53	41.36	18.23	1,867.74	-664.29	1,576.41	1,525.16	51.25	30.759		
6,900.00	6,878.62	6,683.36	6,323.64	25.92	42.02	18.24	1,899.26	-675.14	1,603.68	1,551.65	52.03	30.824		
7,000.00	6,978.30	6,779.57	6,413.89	26.30	42.68	18.24	1,930.77	-686.00	1,630.95	1,578.15	52.80	30.888		
7,100.00	7,077.97	6,875.78	6,504.14	26.68	43.33	18.24	1,962.28	-696.85	1,658.22	1,604.64	53.58	30.949		
7,200.00	7,177.64	6,971.99	6,594.40	27.06	43.99	18.25	1,993.80	-707.70	1,685.48	1,631.13	54.36	31.009		
7,300.00	7,277.20	7,068.28	6,684.72	27.44	44.65	18.25	2,025.33	-718.57	1,712.32	1,657.18	55.14	31.055		
7,400.00	7,374.70	7,164.22	6,774.72	27.87	45.30	18.25	2,056.76	-729.39	1,735.22	1,679.24	55.98	30.995		
7,500.00	7,467.14	7,257.18	6,861.93	28.34	45.94	18.25	2,087.21	-739.88	1,753.25	1,696.34	56.91	30.809		
7,600.00	7,551.72	7,344.34	6,943.69	28.86	46.53	18.24	2,115.76	-749.71	1,766.71	1,708.78	57.94	30.494		
7,700.00	7,625.87	7,423.04	7,017.52	29.46	47.07	18.25	2,141.54	-758.59	1,776.34	1,717.23	59.11	30.050		
7,800.00	7,687.33	7,490.91	7,081.18	30.18	47.53	18.25	2,163.76	-766.24	1,783.18	1,722.68	60.50	29.476		
7,900.00	7,734.24	7,545.86	7,132.73	31.04	47.91	18.25	2,181.76	-772.44	1,788.38	1,726.25	62.13	28.784		
8,000.00	7,765.16	7,586.24	7,170.61	32.07	48.18	18.25	2,194.99	-777.00	1,793.06	1,729.03	64.03	28.005		
8,100.00	7,779.17	7,610.82	7,193.67	33.26	48.35	18.25	2,203.04	-779.77	1,798.09	1,731.94	66.14	27.185		
8,200.00	7,780.00	7,622.87	7,204.97	34.59	48.43	18.25	2,206.99	-781.13	1,805.04	1,736.62	68.42	26.383		
8,300.00	7,780.00	7,634.12	7,215.52	36.06	48.51	18.25	2,210.67	-782.40	1,817.19	1,746.33	70.86	25.644		
8,400.00	7,780.00	7,645.37	7,226.08	37.67	48.59	18.25	2,214.36	-783.67	1,834.66	1,761.24	73.41	24.990		
8,500.00	7,780.00	7,656.62	7,236.63	39.41	48.66	18.25	2,218.04	-784.94	1,857.28	1,781.27	76.02	24.433		
8,600.00	7,780.00	7,667.87	7,247.19	41.24	48.74	18.25	2,221.73	-786.21	1,884.88	1,806.26	78.62	23.976		
8,700.00	7,780.00	7,667.47	7,246.81	43.17	48.74	18.25	2,221.59	-786.16	1,917.27	1,836.23	81.04	23.659		
8,800.00	7,780.00	7,677.34	7,256.08	45.18	48.80	18.25	2,224.83	-787.19	1,954.19	1,870.70	83.49	23.407		
8,900.00	7,780.00	7,681.17	7,259.68	47.25	48.83	18.25	2,226.09	-787.55	1,995.43	1,909.67	85.76	23.267		
9,000.00	7,780.00	7,684.50	7,262.81	49.39	48.85	18.25	2,227.18	-787.83	2,040.74	1,952.83	87.90	23.215		
9,100.00	7,780.00	7,687.42	7,265.55	51.58	48.87	18.25	2,228.14	-788.07	2,089.83	1,999.93	89.90	23.245		
9,200.00	7,780.00	7,690.00	7,267.98	53.81	48.89	18.25	2,228.99	-788.26	2,142.46	2,050.70	91.76	23.349		
9,300.00	7,780.00	7,700.00	7,277.41	56.09	48.95	18.25	2,232.27	-788.91	2,198.42	2,104.85	93.57	23.495		
9,400.00	7,780.00	7,700.00	7,277.41	58.40	48.95	18.25	2,232.27	-788.91	2,257.36	2,162.25	95.11	23.734		
9,500.00	7,780.00	7,700.00	7,277.41	60.74	48.95	18.25	2,232.27	-788.91	2,319.11	2,222.59	96.52	24.027		
9,600.00	7,780.00	7,700.00	7,277.41	63.11	48.95	18.25	2,232.27	-788.91	2,383.46	2,285.65	97.80	24.370		
9,700.00	7,780.00	7,700.00	7,277.41	65.51	48.95	18.25	2,232.27	-788.91	2,450.20	2,351.23	98.97	24.757		
9,800.00	7,780.00	7,700.00	7,277.41	67.93	48.95	18.25	2,232.27	-788.91	2,519.14	2,419.11	100.03	25.185		
9,900.00	7,780.00	7,700.00	7,277.41	70.37	48.95	18.25	2,232.27	-788.91	2,590.11	2,489.13	100.98	25.649		
10,000.00	7,780.00	7,700.00	7,277.41	72.82	48.95	18.25	2,232.27	-788.91	2,662.95	2,561.10	101.85	26.146		
10,100.00	7,780.00	7,700.00	7,277.41	75.30	48.95	18.25	2,232.27	-788.91	2,737.50	2,634.86	102.63	26.673		
10,200.00	7,780.00	7,700.00	7,277.41	77.79	48.95	18.25	2,232.27	-788.91	2,813.63	2,710.28	103.34	27.227		

CC - Min centre to center distance or convergent 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 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	7,780.00	7,700.00	7,277.41	80.29	48.95	73.81	2,232.27	-788.91	2,891.21	2,787.23	103.98	27.805		
10,400.00	7,780.00	7,700.00	7,277.41	82.80	48.95	73.81	2,232.27	-788.91	2,970.13	2,865.58	104.56	28.407		
10,500.00	7,780.00	7,700.00	7,277.41	85.32	48.95	73.81	2,232.27	-788.91	3,050.29	2,945.22	105.08	29.028		
10,600.00	7,780.00	7,700.00	7,277.41	87.86	48.95	73.81	2,232.27	-788.91	3,131.60	3,026.05	105.55	29.669		
10,700.00	7,780.00	7,700.00	7,277.41	90.40	48.95	73.81	2,232.27	-788.91	3,213.95	3,107.98	105.98	30.326		
10,800.00	7,780.00	7,700.00	7,277.41	92.95	48.95	73.81	2,232.27	-788.91	3,297.29	3,190.92	106.36	31.000		
10,900.00	7,780.00	7,700.00	7,277.41	95.51	48.95	73.81	2,232.27	-788.91	3,381.53	3,274.81	106.72	31.687		
11,000.00	7,780.00	7,700.00	7,277.41	98.08	48.95	73.81	2,232.27	-788.91	3,466.60	3,359.57	107.03	32.388		
11,100.00	7,780.00	7,700.00	7,277.41	100.66	48.95	73.81	2,232.27	-788.91	3,552.45	3,445.13	107.32	33.101		
11,200.00	7,780.00	7,700.00	7,277.41	103.24	48.95	73.81	2,232.27	-788.91	3,639.03	3,531.45	107.58	33.826		
11,300.00	7,780.00	7,700.00	7,277.41	105.82	48.95	73.81	2,232.27	-788.91	3,726.28	3,618.46	107.82	34.560		
11,400.00	7,780.00	7,700.00	7,277.41	108.41	48.95	73.81	2,232.27	-788.91	3,814.15	3,706.11	108.04	35.305		
11,500.00	7,780.00	7,700.00	7,277.41	111.01	48.95	73.81	2,232.27	-788.91	3,902.61	3,794.37	108.23	36.058		
11,600.00	7,780.00	7,700.00	7,277.41	113.61	48.95	73.81	2,232.27	-788.91	3,991.61	3,883.20	108.41	36.819		
11,700.00	7,780.00	7,700.00	7,277.41	116.21	48.95	73.81	2,232.27	-788.91	4,081.12	3,972.54	108.58	37.588		
11,800.00	7,780.00	7,700.00	7,277.41	118.82	48.95	73.81	2,232.27	-788.91	4,171.11	4,062.38	108.73	38.363		
11,900.00	7,780.00	7,700.00	7,277.41	121.43	48.95	73.81	2,232.27	-788.91	4,261.54	4,152.68	108.86	39.146		
12,000.00	7,780.00	7,700.00	7,277.41	124.05	48.95	73.81	2,232.27	-788.91	4,352.40	4,243.41	108.99	39.934		
12,100.00	7,780.00	7,700.00	7,277.41	126.67	48.95	73.81	2,232.27	-788.91	4,443.64	4,334.54	109.10	40.729		
12,200.00	7,780.00	7,700.00	7,277.41	129.29	48.95	73.81	2,232.27	-788.91	4,535.26	4,426.05	109.21	41.528		
12,300.00	7,780.00	7,700.00	7,277.41	131.92	48.95	73.81	2,232.27	-788.91	4,627.22	4,517.91	109.31	42.332		
12,400.00	7,780.00	7,700.00	7,277.41	134.54	48.95	73.81	2,232.27	-788.91	4,719.51	4,610.11	109.40	43.141		
12,500.00	7,780.00	7,700.00	7,277.41	137.17	48.95	73.81	2,232.27	-788.91	4,812.11	4,702.63	109.48	43.954		
12,600.00	7,780.00	7,700.00	7,277.41	139.81	48.95	73.81	2,232.27	-788.91	4,905.00	4,795.44	109.56	44.771		
12,700.00	7,780.00	7,700.00	7,277.41	142.44	48.95	73.81	2,232.27	-788.91	4,998.16	4,888.53	109.63	45.592		
12,800.00	7,780.00	7,700.00	7,277.41	145.08	48.95	73.81	2,232.27	-788.91	5,091.58	4,981.89	109.69	46.416		
12,900.00	7,780.00	7,700.00	7,277.41	147.72	48.95	73.81	2,232.27	-788.91	5,185.25	5,075.49	109.75	47.244		
13,000.00	7,780.00	7,700.00	7,277.41	150.36	48.95	73.81	2,232.27	-788.91	5,279.15	5,169.34	109.81	48.074		
13,100.00	7,780.00	7,700.00	7,277.41	153.00	48.95	73.81	2,232.27	-788.91	5,373.27	5,263.40	109.87	48.908		
13,200.00	7,780.00	7,700.00	7,277.41	155.65	48.95	73.81	2,232.27	-788.91	5,467.60	5,357.68	109.92	49.744		
13,300.00	7,780.00	7,700.00	7,277.41	158.29	48.95	73.81	2,232.27	-788.91	5,562.12	5,452.16	109.96	50.582		
13,400.00	7,780.00	7,700.00	7,277.41	160.94	48.95	73.81	2,232.27	-788.91	5,656.84	5,546.83	110.01	51.423		
13,500.00	7,780.00	7,700.00	7,277.41	163.59	48.95	73.81	2,232.27	-788.91	5,751.73	5,641.68	110.05	52.265		
13,600.00	7,780.00	7,700.00	7,277.41	166.24	48.95	73.81	2,232.27	-788.91	5,846.80	5,736.71	110.09	53.110		
13,700.00	7,780.00	7,700.00	7,277.41	168.90	48.95	73.81	2,232.27	-788.91	5,942.02	5,831.90	110.13	53.957		
13,800.00	7,780.00	7,700.00	7,277.41	171.55	48.95	73.81	2,232.27	-788.91	6,037.40	5,927.24	110.16	54.805		
13,900.00	7,780.00	7,700.00	7,277.41	174.20	48.95	73.81	2,232.27	-788.91	6,132.93	6,022.73	110.20	55.655		
14,000.00	7,780.00	7,700.00	7,277.41	176.86	48.95	73.81	2,232.27	-788.91	6,228.60	6,118.37	110.23	56.506		
14,100.00	7,780.00	7,700.00	7,277.41	179.52	48.95	73.81	2,232.27	-788.91	6,324.40	6,214.14	110.26	57.359		
14,200.00	7,780.00	7,700.00	7,277.41	182.18	48.95	73.81	2,232.27	-788.91	6,420.33	6,310.04	110.29	58.213		
14,300.00	7,780.00	7,700.00	7,277.41	184.83	48.95	73.81	2,232.27	-788.91	6,516.38	6,406.06	110.32	59.068		
14,400.00	7,780.00	7,700.00	7,277.41	187.49	48.95	73.81	2,232.27	-788.91	6,612.55	6,502.20	110.35	59.924		
14,500.00	7,780.00	7,700.00	7,277.41	190.16	48.95	73.81	2,232.27	-788.91	6,708.83	6,598.46	110.38	60.781		
14,600.00	7,780.00	7,700.00	7,277.41	192.82	48.95	73.81	2,232.27	-788.91	6,805.22	6,694.82	110.40	61.639		
14,700.00	7,780.00	7,700.00	7,277.41	195.48	48.95	73.81	2,232.27	-788.91	6,901.71	6,791.28	110.43	62.498		
14,800.00	7,780.00	7,700.00	7,277.41	198.14	48.95	73.81	2,232.27	-788.91	6,998.30	6,887.85	110.46	63.358		
14,900.00	7,780.00	7,700.00	7,277.41	200.81	48.95	73.81	2,232.27	-788.91	7,094.99	6,984.51	110.48	64.218		
15,000.00	7,780.00	7,700.00	7,277.41	203.47	48.95	73.81	2,232.27	-788.91	7,191.76	7,081.26	110.51	65.079		
15,100.00	7,780.00	7,700.00	7,277.41	206.14	48.95	73.81	2,232.27	-788.91	7,288.63	7,178.09	110.53	65.940		
15,200.00	7,780.00	7,700.00	7,277.41	208.81	48.95	73.81	2,232.27	-788.91	7,385.57	7,275.01	110.56	66.802		
15,300.00	7,780.00	7,700.00	7,277.41	211.48	48.95	73.81	2,232.27	-788.91	7,482.60	7,372.01	110.58	67.665		
15,400.00	7,780.00	7,722.91	7,299.02	214.14	49.10	74.53	2,239.81	-789.75	7,579.22	7,468.28	110.95	68.315		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Minimum Separation	Separation Factor			
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	+N/-S (usft)	+E/-W (usft)	(usft)	(usft)	(usft)			
15,500.00	7,780.00	7,723.02	7,299.13	216.81	49.10	74.54	2,239.85	-789.75	7,676.40	7,565.43	110.97	69.175		
15,600.00	7,780.00	7,723.13	7,299.24	219.48	49.10	74.54	2,239.88	-789.75	7,773.64	7,662.64	111.00	70.034		
15,700.00	7,780.00	7,723.24	7,299.34	222.15	49.10	74.55	2,239.92	-789.75	7,870.96	7,759.93	111.02	70.894		
15,800.00	7,780.00	7,723.35	7,299.44	224.82	49.10	74.55	2,239.96	-789.75	7,968.34	7,857.29	111.05	71.755		
15,900.00	7,780.00	7,723.45	7,299.54	227.49	49.10	74.55	2,239.99	-789.75	8,065.78	7,954.70	111.08	72.615		
16,000.00	7,780.00	7,723.55	7,299.63	230.16	49.10	74.56	2,240.02	-789.76	8,163.29	8,052.18	111.10	73.475		
16,100.00	7,780.00	7,723.65	7,299.73	232.84	49.10	74.56	2,240.05	-789.76	8,260.85	8,149.72	111.13	74.336		
16,200.00	7,780.00	7,723.75	7,299.82	235.51	49.10	74.56	2,240.09	-789.76	8,358.48	8,247.32	111.16	75.196		
16,300.00	7,780.00	7,723.84	7,299.91	238.18	49.10	74.56	2,240.12	-789.76	8,456.16	8,344.97	111.18	76.056		
16,400.00	7,780.00	7,723.94	7,299.99	240.86	49.10	74.57	2,240.15	-789.76	8,553.89	8,442.68	111.21	76.916		
16,500.00	7,780.00	7,724.03	7,300.08	243.53	49.10	74.57	2,240.18	-789.76	8,651.67	8,540.44	111.24	77.777		
16,600.00	7,780.00	7,724.11	7,300.16	246.20	49.10	74.57	2,240.21	-789.76	8,749.51	8,638.24	111.27	78.636		
16,700.00	7,780.00	7,724.20	7,300.24	248.88	49.10	74.58	2,240.24	-789.77	8,847.39	8,736.10	111.29	79.496		
16,800.00	7,780.00	7,724.28	7,300.32	251.55	49.10	74.58	2,240.26	-789.77	8,945.32	8,834.00	111.32	80.356		
16,900.00	7,780.00	7,724.37	7,300.40	254.23	49.11	74.58	2,240.29	-789.77	9,043.29	8,931.94	111.35	81.215		
17,000.00	7,780.00	7,724.45	7,300.48	256.91	49.11	74.58	2,240.32	-789.77	9,141.31	9,029.93	111.38	82.074		
17,100.00	7,780.00	7,724.53	7,300.55	259.58	49.11	74.59	2,240.34	-789.77	9,239.37	9,127.97	111.41	82.933		
17,200.00	7,780.00	7,724.61	7,300.63	262.26	49.11	74.59	2,240.37	-789.77	9,337.48	9,226.04	111.44	83.791		
17,300.00	7,780.00	7,724.68	7,300.70	264.94	49.11	74.59	2,240.39	-789.77	9,435.62	9,324.15	111.47	84.649		
17,400.00	7,780.00	7,724.76	7,300.77	267.61	49.11	74.59	2,240.42	-789.77	9,533.80	9,422.30	111.50	85.506		
17,500.00	7,780.00	7,724.83	7,300.84	270.29	49.11	74.60	2,240.44	-789.77	9,632.02	9,520.49	111.53	86.364		
17,600.00	7,780.00	7,724.90	7,300.91	272.97	49.11	74.60	2,240.47	-789.77	9,730.27	9,618.71	111.56	87.220		
17,700.00	7,780.00	7,724.97	7,300.97	275.65	49.11	74.60	2,240.49	-789.78	9,828.56	9,716.97	111.59	88.076		
17,800.00	7,780.00	7,725.04	7,301.04	278.33	49.11	74.60	2,240.51	-789.78	9,926.89	9,815.26	111.62	88.932		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	0.70	-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	200.00	200.70	199.30	0.49	0.50	-179.80	-80.14	-0.28	80.14	79.15	0.99	81.088		
300.00	299.98	299.28	299.28	0.85	0.85	-147.03	-80.14	-0.28	81.60	79.90	1.70	47.983		
400.00	399.84	401.93	401.91	1.22	1.22	-148.49	-78.49	-1.03	84.41	81.98	2.43	34.746		
500.00	499.52	504.74	504.57	1.58	1.59	-149.90	-73.48	-3.31	86.23	83.07	3.16	27.289		
600.00	599.20	607.60	607.01	1.96	1.97	-150.47	-65.12	-7.12	84.89	81.00	3.89	21.809		
700.00	698.87	710.26	708.86	2.33	2.36	-150.16	-53.45	-12.44	80.20	75.57	4.63	17.325		
800.00	798.54	812.46	809.73	2.71	2.78	-148.75	-38.54	-19.23	72.20	66.83	5.37	13.447		
900.00	898.22	913.94	909.25	3.09	3.22	-145.61	-20.50	-27.44	61.03	54.91	6.12	9.973		
1,000.00	997.89	1,014.45	1,007.07	3.47	3.69	-138.93	0.52	-37.01	47.11	40.21	6.91	6.822		
1,100.00	1,097.57	1,113.77	1,102.87	3.85	4.19	-122.76	24.34	-47.86	31.90	24.08	7.82	4.079		
1,200.00	1,197.24	1,211.69	1,196.79	4.23	4.72	-83.29	49.55	-59.35	22.39	13.45	8.94	2.505		
1,210.88	1,208.08	1,222.34	1,207.00	4.27	4.77	-77.67	52.30	-60.60	22.28	13.25	9.03	2.468 CC, ES, SF		
1,300.00	1,296.91	1,309.54	1,290.64	4.61	5.25	-38.78	74.76	-70.83	28.87	19.48	9.39	3.074		
1,400.00	1,396.59	1,407.40	1,384.49	4.99	5.80	-17.97	99.97	-82.31	44.88	35.02	9.86	4.551		
1,500.00	1,496.26	1,505.25	1,478.35	5.37	6.35	-8.58	125.17	-93.79	63.59	53.08	10.51	6.053		
1,600.00	1,595.93	1,603.11	1,572.20	5.75	6.91	-3.52	150.38	-105.27	83.20	71.99	11.21	7.422		
1,700.00	1,695.61	1,700.96	1,666.05	6.13	7.47	-0.40	175.59	-116.75	103.19	91.25	11.94	8.644		
1,800.00	1,795.28	1,798.82	1,759.91	6.51	8.03	1.71	200.79	-128.23	123.39	110.71	12.68	9.734		
1,900.00	1,894.95	1,896.67	1,853.76	6.89	8.59	3.22	226.00	-139.71	143.70	130.28	13.42	10.707		
2,000.00	1,994.63	1,994.53	1,947.62	7.27	9.16	4.36	251.21	-151.19	164.08	149.91	14.17	11.581		
2,100.00	2,094.30	2,107.62	2,041.47	7.65	9.82	5.25	276.41	-162.67	184.51	169.53	14.98	12.317		
2,200.00	2,193.97	2,209.76	2,135.32	8.03	10.42	5.96	301.62	-174.15	204.97	189.22	15.75	13.015		
2,300.00	2,293.65	2,288.10	2,229.18	8.41	10.87	6.54	326.83	-185.63	225.46	209.04	16.42	13.729		
2,400.00	2,393.32	2,385.95	2,323.03	8.79	11.45	7.02	352.03	-197.11	245.97	228.79	17.18	14.320		
2,500.00	2,492.99	2,483.81	2,416.88	9.17	12.02	7.43	377.24	-208.59	266.49	248.56	17.93	14.862		
2,600.00	2,592.67	2,581.66	2,510.74	9.55	12.59	7.78	402.45	-220.07	287.02	268.34	18.69	15.360		
2,700.00	2,692.34	2,679.52	2,604.59	9.93	13.17	8.09	427.65	-231.55	307.57	288.12	19.44	15.819		
2,800.00	2,792.01	2,777.37	2,698.44	10.31	13.74	8.36	452.86	-243.03	328.12	307.92	20.20	16.244		
2,900.00	2,891.69	2,875.23	2,792.30	10.69	14.32	8.59	478.07	-254.51	348.67	327.72	20.96	16.639		
3,000.00	2,991.36	2,973.08	2,886.15	11.07	14.90	8.80	503.27	-265.99	369.23	347.52	21.71	17.005		
3,100.00	3,091.03	3,070.94	2,980.00	11.45	15.47	8.99	528.48	-277.47	389.80	367.33	22.47	17.347		
3,200.00	3,190.71	3,168.79	3,073.86	11.83	16.05	9.15	553.69	-288.95	410.36	387.14	23.23	17.667		
3,300.00	3,290.38	3,266.65	3,167.71	12.21	16.63	9.31	578.89	-300.43	430.94	406.95	23.99	17.966		
3,400.00	3,390.05	3,364.50	3,261.56	12.59	17.21	9.44	604.10	-311.91	451.51	426.76	24.74	18.247		
3,500.00	3,489.73	3,462.36	3,355.42	12.97	17.78	9.57	629.31	-323.39	472.08	446.58	25.50	18.511		
3,600.00	3,589.40	3,560.21	3,449.27	13.35	18.36	9.68	654.51	-334.87	492.66	466.40	26.26	18.760		
3,700.00	3,689.07	3,658.07	3,543.12	13.73	18.94	9.79	679.72	-346.35	513.24	486.22	27.02	18.995		
3,800.00	3,788.75	3,755.92	3,636.98	14.12	19.52	9.89	704.93	-357.83	533.82	506.05	27.78	19.217		
3,900.00	3,888.42	3,853.78	3,730.83	14.50	20.10	9.98	730.13	-369.31	554.41	525.87	28.54	19.427		
4,000.00	3,988.09	3,951.63	3,824.68	14.88	20.67	10.06	755.34	-380.79	574.99	545.69	29.30	19.626		
4,100.00	4,087.77	4,049.49	3,918.54	15.26	21.25	10.14	780.55	-392.27	595.58	565.52	30.06	19.815		
4,200.00	4,187.44	4,147.34	4,012.39	15.64	21.83	10.22	805.75	-403.75	616.16	585.35	30.82	19.995		
4,300.00	4,287.11	4,245.20	4,106.24	16.02	22.41	10.28	830.96	-415.23	636.75	605.17	31.58	20.166		
4,400.00	4,386.79	4,343.05	4,200.10	16.40	22.99	10.35	856.17	-426.71	657.34	625.00	32.34	20.329		
4,500.00	4,486.46	4,440.91	4,293.95	16.78	23.57	10.41	881.37	-438.19	677.93	644.83	33.10	20.484		
4,600.00	4,586.14	4,538.76	4,387.81	17.16	24.15	10.47	906.58	-449.67	698.51	664.66	33.86	20.632		
4,700.00	4,685.81	4,636.62	4,481.66	17.54	24.73	10.52	931.79	-461.15	719.10	684.49	34.62	20.774		
4,800.00	4,785.48	4,734.48	4,575.51	17.92	25.31	10.57	956.99	-472.63	739.69	704.32	35.38	20.910		
4,900.00	4,885.16	4,832.33	4,669.37	18.30	25.89	10.62	982.20	-484.11	760.29	724.15	36.14	21.040		
5,000.00	4,984.83	4,930.19	4,763.22	18.68	26.47	10.66	1,007.41	-495.59	780.88	743.98	36.90	21.164		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	5,084.50	5,028.04	4,857.07	19.06	27.05	10.71	1,032.61	-507.07	801.47	763.81	37.66	21.284		
5,200.00	5,184.18	5,125.90	4,950.93	19.44	27.63	10.75	1,057.82	-518.55	822.06	783.64	38.42	21.398		
5,300.00	5,283.85	5,223.75	5,044.78	19.82	28.21	10.79	1,083.03	-530.03	842.65	803.48	39.18	21.508		
5,400.00	5,383.52	5,321.61	5,138.63	20.21	28.79	10.82	1,108.23	-541.51	863.25	823.31	39.94	21.614		
5,500.00	5,483.20	5,419.46	5,232.49	20.59	29.37	10.86	1,133.44	-552.99	883.84	843.14	40.70	21.716		
5,600.00	5,582.87	5,517.32	5,326.34	20.97	29.95	10.89	1,158.65	-564.47	904.43	862.97	41.46	21.814		
5,700.00	5,682.54	5,615.17	5,420.19	21.35	30.53	10.92	1,183.85	-575.95	925.03	882.81	42.22	21.909		
5,800.00	5,782.22	5,713.03	5,514.05	21.73	31.11	10.95	1,209.06	-587.43	945.62	902.64	42.98	22.000		
5,900.00	5,881.89	5,810.88	5,607.90	22.11	31.69	10.98	1,234.27	-598.91	966.22	922.47	43.74	22.088		
6,000.00	5,981.56	5,908.74	5,701.75	22.49	32.27	11.01	1,259.47	-610.39	986.81	942.31	44.50	22.173		
6,100.00	6,081.24	6,006.59	5,795.61	22.87	32.85	11.04	1,284.68	-621.87	1,007.41	962.14	45.27	22.255		
6,200.00	6,180.91	6,104.45	5,889.46	23.25	33.43	11.06	1,309.89	-633.35	1,028.00	981.97	46.03	22.334		
6,300.00	6,280.58	6,202.30	5,983.31	23.63	34.01	11.09	1,335.09	-644.83	1,048.60	1,001.81	46.79	22.411		
6,400.00	6,380.26	6,300.16	6,077.17	24.01	34.59	11.11	1,360.30	-656.31	1,069.19	1,021.64	47.55	22.485		
6,500.00	6,479.93	6,398.01	6,171.02	24.39	35.17	11.14	1,385.51	-667.79	1,089.79	1,041.48	48.31	22.557		
6,600.00	6,579.60	6,495.87	6,264.87	24.77	35.75	11.16	1,410.71	-679.27	1,110.38	1,061.31	49.07	22.627		
6,700.00	6,679.28	6,606.28	6,358.73	25.15	36.41	11.18	1,435.92	-690.75	1,130.98	1,081.09	49.89	22.671		
6,800.00	6,778.95	6,708.42	6,452.58	25.53	37.01	11.20	1,461.13	-702.23	1,151.57	1,100.91	50.67	22.729		
6,900.00	6,878.62	6,789.43	6,546.43	25.92	37.49	11.22	1,486.33	-713.71	1,172.17	1,120.81	51.36	22.823		
7,000.00	6,978.30	6,887.29	6,640.29	26.30	38.07	11.24	1,511.54	-725.19	1,192.77	1,140.65	52.12	22.885		
7,100.00	7,077.97	6,985.14	6,734.14	26.68	38.65	11.26	1,536.75	-736.67	1,213.36	1,160.48	52.88	22.944		
7,200.00	7,177.64	7,083.00	6,828.00	27.06	39.23	11.28	1,561.95	-748.15	1,233.96	1,180.32	53.65	23.002		
7,300.00	7,277.20	7,180.94	6,921.93	27.44	39.82	37.96	1,587.18	-759.63	1,253.94	1,199.53	54.41	23.045		
7,400.00	7,374.70	7,278.56	7,015.56	27.87	40.39	53.55	1,612.33	-771.09	1,268.39	1,213.16	55.23	22.967		
7,500.00	7,467.14	7,373.20	7,106.33	28.34	40.96	58.71	1,636.71	-782.19	1,276.44	1,220.34	56.11	22.750		
7,600.00	7,551.72	7,531.21	7,258.43	28.86	41.83	64.33	1,677.43	-791.57	1,278.05	1,220.47	57.58	22.195		
7,700.00	7,625.87	7,680.22	7,399.46	29.46	42.38	71.46	1,714.67	-763.29	1,271.03	1,211.87	59.16	21.484		
7,800.00	7,687.33	7,731.78	7,446.02	30.18	42.52	75.01	1,726.84	-744.82	1,264.35	1,203.76	60.60	20.865		
7,899.92	7,734.20	7,740.57	7,453.79	31.04	42.54	76.06	1,728.86	-741.24	1,261.90	1,199.78	62.12	20.313		
7,900.00	7,734.24	7,740.57	7,453.79	31.04	42.54	76.06	1,728.86	-741.24	1,261.90	1,199.77	62.12	20.313		
8,000.00	7,765.16	7,728.71	7,443.29	32.07	42.51	75.52	1,726.13	-746.04	1,264.33	1,200.53	63.80	19.818		
8,100.00	7,779.17	7,705.68	7,422.64	33.26	42.46	73.94	1,720.74	-754.71	1,271.17	1,205.54	65.63	19.369		
8,200.00	7,780.00	7,678.95	7,398.30	34.59	42.38	72.52	1,714.37	-763.69	1,282.47	1,214.87	67.61	18.970		
8,300.00	7,780.00	7,657.70	7,378.67	36.06	42.32	71.61	1,709.22	-769.98	1,300.62	1,230.90	69.72	18.656		
8,400.00	7,780.00	7,640.78	7,362.88	37.67	42.26	70.87	1,705.06	-774.46	1,325.68	1,253.82	71.86	18.447		
8,500.00	7,780.00	7,627.00	7,349.94	39.41	42.22	70.27	1,701.66	-777.74	1,357.38	1,283.42	73.96	18.352		
8,600.00	7,780.00	7,615.58	7,339.16	41.24	42.18	69.77	1,698.82	-780.22	1,395.34	1,319.38	75.96	18.370		
8,700.00	7,780.00	7,600.00	7,324.38	43.17	42.12	69.09	1,694.91	-783.24	1,439.13	1,361.42	77.71	18.519		
8,800.00	7,780.00	7,600.00	7,324.38	45.18	42.12	69.09	1,694.91	-783.24	1,488.20	1,408.70	79.50	18.719		
8,900.00	7,780.00	7,600.00	7,324.38	47.25	42.12	69.09	1,694.91	-783.24	1,542.20	1,461.10	81.10	19.016		
9,000.00	7,780.00	7,584.53	7,309.64	49.39	42.06	68.41	1,691.02	-785.82	1,600.43	1,518.16	82.27	19.454		
9,100.00	7,780.00	7,579.12	7,304.46	51.58	42.04	68.17	1,689.65	-786.63	1,662.66	1,579.24	83.41	19.933		
9,200.00	7,780.00	7,574.32	7,299.87	53.81	42.02	67.96	1,688.43	-787.31	1,728.39	1,643.98	84.41	20.477		
9,300.00	7,780.00	7,570.04	7,295.78	56.09	42.00	67.77	1,687.34	-787.87	1,797.24	1,711.98	85.26	21.080		
9,400.00	7,780.00	7,566.21	7,292.10	58.40	41.98	67.60	1,686.37	-788.35	1,868.89	1,782.90	85.99	21.733		
9,500.00	7,780.00	7,550.00	7,276.53	60.74	41.92	66.89	1,682.24	-790.11	1,943.17	1,856.74	86.43	22.482		
9,600.00	7,780.00	7,550.00	7,276.53	63.11	41.92	66.89	1,682.24	-790.11	2,019.45	1,932.43	87.01	23.208		
9,700.00	7,780.00	7,550.00	7,276.53	65.51	41.92	66.89	1,682.24	-790.11	2,097.72	2,010.21	87.51	23.971		
9,800.00	7,780.00	7,550.00	7,276.53	67.93	41.92	66.89	1,682.24	-790.11	2,177.77	2,089.84	87.93	24.766		
9,900.00	7,780.00	7,550.00	7,276.53	70.37	41.92	66.89	1,682.24	-790.11	2,259.42	2,171.12	88.29	25.589		
10,000.00	7,780.00	7,550.00	7,276.53	72.82	41.92	66.89	1,682.24	-790.11	2,342.48	2,253.88	88.60	26.438		
10,100.00	7,780.00	7,550.00	7,276.53	75.30	41.92	66.89	1,682.24	-790.11	2,426.83	2,337.96	88.86	27.309		

CC - Min centre to center distance or convergent 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 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
10,200.00	7,780.00	7,550.00	7,276.53	77.79	41.92	66.89	1,682.24	-790.11	2,512.32	2,423.23	89.09	28.201		
10,300.00	7,780.00	7,550.00	7,276.53	80.29	41.92	66.89	1,682.24	-790.11	2,598.85	2,509.57	89.28	29.110		
10,400.00	7,780.00	7,550.00	7,276.53	82.80	41.92	66.89	1,682.24	-790.11	2,686.31	2,596.88	89.44	30.036		
10,500.00	7,780.00	7,550.00	7,276.53	85.32	41.92	66.89	1,682.24	-790.11	2,774.63	2,685.05	89.57	30.976		
10,600.00	7,780.00	7,550.00	7,276.53	87.86	41.92	66.89	1,682.24	-790.11	2,863.71	2,774.02	89.69	31.929		
10,700.00	7,780.00	7,550.00	7,276.53	90.40	41.92	66.89	1,682.24	-790.11	2,953.49	2,863.70	89.79	32.894		
10,800.00	7,780.00	7,550.00	7,276.53	92.95	41.92	66.89	1,682.24	-790.11	3,043.90	2,954.03	89.87	33.869		
10,900.00	7,780.00	7,550.00	7,276.53	95.51	41.92	66.89	1,682.24	-790.11	3,134.90	3,044.96	89.94	34.854		
11,000.00	7,780.00	7,550.00	7,276.53	98.08	41.92	66.89	1,682.24	-790.11	3,226.43	3,136.43	90.00	35.848		
11,100.00	7,780.00	7,550.00	7,276.53	100.66	41.92	66.89	1,682.24	-790.11	3,318.45	3,228.40	90.05	36.850		
11,200.00	7,780.00	7,550.00	7,276.53	103.24	41.92	66.89	1,682.24	-790.11	3,410.92	3,320.83	90.10	37.859		
11,300.00	7,780.00	7,550.00	7,276.53	105.82	41.92	66.89	1,682.24	-790.11	3,503.81	3,413.68	90.13	38.874		
11,400.00	7,780.00	7,550.00	7,276.53	108.41	41.92	66.89	1,682.24	-790.11	3,597.07	3,506.91	90.16	39.895		
11,500.00	7,780.00	7,550.00	7,276.53	111.01	41.92	66.89	1,682.24	-790.11	3,690.69	3,600.50	90.19	40.922		
11,600.00	7,780.00	7,528.72	7,256.02	113.61	41.82	65.95	1,676.79	-791.72	3,784.21	3,694.26	89.95	42.072		
11,700.00	7,780.00	7,527.94	7,255.27	116.21	41.81	65.92	1,676.59	-791.76	3,878.42	3,788.47	89.96	43.115		
11,800.00	7,780.00	7,527.20	7,254.55	118.82	41.81	65.88	1,676.40	-791.80	3,972.92	3,882.96	89.96	44.162		
11,900.00	7,780.00	7,526.49	7,253.87	121.43	41.80	65.85	1,676.22	-791.84	4,067.68	3,977.71	89.97	45.212		
12,000.00	7,780.00	7,525.81	7,253.21	124.05	41.80	65.82	1,676.04	-791.87	4,162.68	4,072.71	89.97	46.266		
12,100.00	7,780.00	7,525.16	7,252.59	126.67	41.80	65.79	1,675.87	-791.91	4,257.91	4,167.94	89.98	47.323		
12,200.00	7,780.00	7,524.54	7,251.99	129.29	41.80	65.77	1,675.72	-791.94	4,353.36	4,263.38	89.98	48.383		
12,300.00	7,780.00	7,523.95	7,251.41	131.92	41.79	65.74	1,675.56	-791.97	4,449.00	4,359.02	89.98	49.445		
12,400.00	7,780.00	7,523.38	7,250.86	134.54	41.79	65.71	1,675.42	-792.00	4,544.83	4,454.85	89.98	50.510		
12,500.00	7,780.00	7,522.83	7,250.34	137.17	41.79	65.69	1,675.28	-792.02	4,640.84	4,550.86	89.98	51.576		
12,600.00	7,780.00	7,522.30	7,249.83	139.81	41.78	65.67	1,675.14	-792.05	4,737.01	4,647.03	89.98	52.645		
12,700.00	7,780.00	7,521.80	7,249.34	142.44	41.78	65.65	1,675.01	-792.07	4,833.34	4,743.36	89.98	53.715		
12,800.00	7,780.00	7,500.00	7,228.28	145.08	41.68	64.69	1,669.40	-792.64	4,930.24	4,840.51	89.73	54.948		
12,900.00	7,780.00	7,500.00	7,228.28	147.72	41.68	64.69	1,669.40	-792.64	5,026.83	4,937.09	89.73	56.020		
13,000.00	7,780.00	7,500.00	7,228.28	150.36	41.68	64.69	1,669.40	-792.64	5,123.55	5,033.81	89.74	57.093		
13,100.00	7,780.00	7,500.00	7,228.28	153.00	41.68	64.69	1,669.40	-792.64	5,220.39	5,130.64	89.75	58.166		
13,200.00	7,780.00	7,500.00	7,228.28	155.65	41.68	64.69	1,669.40	-792.64	5,317.35	5,227.60	89.76	59.241		
13,300.00	7,780.00	7,500.00	7,228.28	158.29	41.68	64.69	1,669.40	-792.64	5,414.43	5,324.66	89.77	60.317		
13,400.00	7,780.00	7,500.00	7,228.28	160.94	41.68	64.69	1,669.40	-792.64	5,511.60	5,421.83	89.78	61.393		
13,500.00	7,780.00	7,500.00	7,228.28	163.59	41.68	64.69	1,669.40	-792.64	5,608.88	5,519.09	89.79	62.470		
13,600.00	7,780.00	7,500.00	7,228.28	166.24	41.68	64.69	1,669.40	-792.64	5,706.25	5,616.45	89.80	63.547		
13,700.00	7,780.00	7,500.00	7,228.28	168.90	41.68	64.69	1,669.40	-792.64	5,803.71	5,713.90	89.81	64.624		
13,800.00	7,780.00	7,500.00	7,228.28	171.55	41.68	64.69	1,669.40	-792.64	5,901.25	5,811.44	89.82	65.702		
13,900.00	7,780.00	7,500.00	7,228.28	174.20	41.68	64.69	1,669.40	-792.64	5,998.88	5,909.05	89.83	66.780		
14,000.00	7,780.00	7,500.00	7,228.28	176.86	41.68	64.69	1,669.40	-792.64	6,096.58	6,006.74	89.84	67.858		
14,100.00	7,780.00	7,500.00	7,228.28	179.52	41.68	64.69	1,669.40	-792.64	6,194.36	6,104.50	89.86	68.935		
14,200.00	7,780.00	7,500.00	7,228.28	182.18	41.68	64.69	1,669.40	-792.64	6,292.20	6,202.33	89.87	70.013		
14,300.00	7,780.00	7,500.00	7,228.28	184.83	41.68	64.69	1,669.40	-792.64	6,390.12	6,300.23	89.89	71.091		
14,400.00	7,780.00	7,500.00	7,228.28	187.49	41.68	64.69	1,669.40	-792.64	6,488.09	6,398.19	89.90	72.168		
14,500.00	7,780.00	7,500.00	7,228.28	190.16	41.68	64.69	1,669.40	-792.64	6,586.13	6,496.21	89.92	73.245		
14,600.00	7,780.00	7,500.00	7,228.28	192.82	41.68	64.69	1,669.40	-792.64	6,684.22	6,594.29	89.94	74.322		
14,700.00	7,780.00	7,500.00	7,228.28	195.48	41.68	64.69	1,669.40	-792.64	6,782.38	6,692.42	89.95	75.398		
14,800.00	7,780.00	7,500.00	7,228.28	198.14	41.68	64.69	1,669.40	-792.64	6,880.58	6,790.61	89.97	76.473		
14,900.00	7,780.00	7,500.00	7,228.28	200.81	41.68	64.69	1,669.40	-792.64	6,978.83	6,888.84	89.99	77.548		
15,000.00	7,780.00	7,500.00	7,228.28	203.47	41.68	64.69	1,669.40	-792.64	7,077.14	6,987.12	90.01	78.623		
15,100.00	7,780.00	7,500.00	7,228.28	206.14	41.68	64.69	1,669.40	-792.64	7,175.49	7,085.45	90.04	79.697		
15,200.00	7,780.00	7,500.00	7,228.28	208.81	41.68	64.69	1,669.40	-792.64	7,273.88	7,183.83	90.06	80.770		
15,300.00	7,780.00	7,500.00	7,228.28	211.48	41.68	64.69	1,669.40	-792.64	7,372.32	7,282.24	90.08	81.842		

CC - Min centre to center distance or convergent 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 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
15,400.00	7,780.00	7,500.00	7,228.28	214.14	41.68	64.69	1,669.40	-792.64	7,470.80	7,380.70	90.10	82.913		
15,500.00	7,780.00	7,500.00	7,228.28	216.81	41.68	64.69	1,669.40	-792.64	7,569.32	7,479.20	90.13	83.984		
15,600.00	7,780.00	7,500.00	7,228.28	219.48	41.68	64.69	1,669.40	-792.64	7,667.88	7,577.73	90.15	85.054		
15,700.00	7,780.00	7,500.00	7,228.28	222.15	41.68	64.69	1,669.40	-792.64	7,766.48	7,676.30	90.18	86.122		
15,800.00	7,780.00	7,500.00	7,228.28	224.82	41.68	64.69	1,669.40	-792.64	7,865.11	7,774.90	90.21	87.190		
15,900.00	7,780.00	7,500.00	7,228.28	227.49	41.68	64.69	1,669.40	-792.64	7,963.77	7,873.54	90.23	88.257		
16,000.00	7,780.00	7,500.00	7,228.28	230.16	41.68	64.69	1,669.40	-792.64	8,062.47	7,972.21	90.26	89.322		
16,100.00	7,780.00	7,500.00	7,228.28	232.84	41.68	64.69	1,669.40	-792.64	8,161.20	8,070.91	90.29	90.387		
16,200.00	7,780.00	7,500.00	7,228.28	235.51	41.68	64.69	1,669.40	-792.64	8,259.96	8,169.64	90.32	91.450		
16,300.00	7,780.00	7,500.00	7,228.28	238.18	41.68	64.69	1,669.40	-792.64	8,358.75	8,268.40	90.35	92.513		
16,400.00	7,780.00	7,500.00	7,228.28	240.86	41.68	64.69	1,669.40	-792.64	8,457.57	8,367.19	90.38	93.574		
16,500.00	7,780.00	7,500.00	7,228.28	243.53	41.68	64.69	1,669.40	-792.64	8,556.42	8,466.00	90.42	94.634		
16,600.00	7,780.00	7,500.00	7,228.28	246.20	41.68	64.69	1,669.40	-792.64	8,655.29	8,564.84	90.45	95.692		
16,700.00	7,780.00	7,500.00	7,228.28	248.88	41.68	64.69	1,669.40	-792.64	8,754.19	8,663.70	90.48	96.749		
16,800.00	7,780.00	7,500.00	7,228.28	251.55	41.68	64.69	1,669.40	-792.64	8,853.11	8,762.59	90.52	97.805		
16,900.00	7,780.00	7,500.00	7,228.28	254.23	41.68	64.69	1,669.40	-792.64	8,952.05	8,861.50	90.55	98.860		
17,000.00	7,780.00	7,500.00	7,228.28	256.91	41.68	64.69	1,669.40	-792.64	9,051.02	8,960.43	90.59	99.913		
17,100.00	7,780.00	7,500.00	7,228.28	259.58	41.68	64.69	1,669.40	-792.64	9,150.02	9,059.39	90.63	100.965		
17,200.00	7,780.00	7,500.00	7,228.28	262.26	41.68	64.69	1,669.40	-792.64	9,249.03	9,158.37	90.66	102.015		
17,300.00	7,780.00	7,500.00	7,228.28	264.94	41.68	64.69	1,669.40	-792.64	9,348.06	9,257.36	90.70	103.064		
17,400.00	7,780.00	7,500.00	7,228.28	267.61	41.68	64.69	1,669.40	-792.64	9,447.12	9,356.38	90.74	104.112		
17,500.00	7,780.00	7,500.00	7,228.28	270.29	41.68	64.69	1,669.40	-792.64	9,546.19	9,455.41	90.78	105.158		
17,600.00	7,780.00	7,500.00	7,228.28	272.97	41.68	64.69	1,669.40	-792.64	9,645.29	9,554.47	90.82	106.202		
17,700.00	7,780.00	7,500.00	7,228.28	275.65	41.68	64.69	1,669.40	-792.64	9,744.40	9,653.54	90.86	107.245		
17,800.00	7,780.00	7,500.00	7,228.28	278.33	41.68	64.69	1,669.40	-792.64	9,843.53	9,752.63	90.90	108.286		
17,900.00	7,780.00	7,500.00	7,228.28	281.01	41.68	64.69	1,669.40	-792.64	9,942.68	9,851.73	90.95	109.326		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	0.60	-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	200.00	200.60	199.40	0.49	0.50	-179.84	-100.17	-0.28	100.17	99.19	0.99	101.396		
300.00	299.98	300.62	299.38	0.85	0.85	-146.94	-100.17	-0.28	101.63	99.93	1.71	59.596		
400.00	399.84	399.24	399.24	1.22	1.21	-148.43	-100.17	-0.28	106.06	103.63	2.42	43.765		
500.00	499.52	502.39	502.37	1.58	1.58	-150.12	-98.65	-1.29	111.34	108.18	3.15	35.303		
600.00	599.20	605.89	605.71	1.96	1.95	-150.81	-94.02	-4.38	113.70	109.81	3.88	29.269		
700.00	698.87	709.45	708.85	2.33	2.33	-150.56	-86.27	-9.53	112.92	108.30	4.62	24.438		
800.00	798.54	812.82	811.39	2.71	2.72	-149.33	-75.45	-16.73	109.03	103.66	5.36	20.329		
900.00	898.22	915.71	912.93	3.09	3.14	-146.91	-61.63	-25.92	102.16	96.05	6.11	16.709		
1,000.00	997.89	1,017.87	1,013.09	3.47	3.58	-142.82	-44.91	-37.04	92.62	85.74	6.88	13.457		
1,100.00	1,097.57	1,116.97	1,109.90	3.85	4.03	-137.13	-27.24	-48.80	82.32	74.63	7.69	10.705		
1,200.00	1,197.24	1,216.07	1,206.69	4.23	4.49	-129.92	-9.57	-60.55	73.04	64.50	8.54	8.555		
1,300.00	1,296.91	1,315.16	1,303.48	4.61	4.95	-120.84	8.10	-72.31	65.24	55.81	9.43	6.919		
1,400.00	1,396.59	1,414.25	1,400.27	4.99	5.43	-109.69	25.76	-84.06	59.50	49.14	10.35	5.746		
1,500.00	1,496.26	1,513.34	1,497.06	5.37	5.91	-96.81	43.43	-95.82	56.44	45.17	11.27	5.009		
1,547.78	1,543.88	1,560.68	1,543.31	5.55	6.14	-90.33	51.87	-101.43	56.07	44.39	11.68	4.800 CC, ES		
1,600.00	1,595.93	1,612.43	1,593.85	5.75	6.39	-83.25	61.10	-107.57	56.51	44.40	12.11	4.667		
1,700.00	1,695.61	1,711.52	1,690.64	6.13	6.87	-70.42	78.77	-119.32	59.70	46.85	12.85	4.647 SF		
1,800.00	1,795.28	1,810.61	1,787.44	6.51	7.36	-59.37	96.44	-131.08	65.55	52.04	13.51	4.853		
1,900.00	1,894.95	1,909.70	1,884.23	6.89	7.85	-50.37	114.11	-142.83	73.43	59.29	14.14	5.193		
2,000.00	1,994.63	2,008.79	1,981.02	7.27	8.34	-43.24	131.77	-154.58	82.75	67.99	14.77	5.603		
2,100.00	2,094.30	2,107.88	2,077.81	7.65	8.83	-37.61	149.44	-166.34	93.10	77.68	15.42	6.039		
2,200.00	2,193.97	2,206.97	2,174.60	8.03	9.32	-33.14	167.11	-178.09	104.16	88.08	16.08	6.479		
2,300.00	2,293.65	2,306.06	2,271.39	8.41	9.82	-29.53	184.78	-189.85	115.73	98.97	16.75	6.907		
2,400.00	2,393.32	2,405.15	2,368.18	8.79	10.31	-26.59	202.45	-201.60	127.67	110.22	17.44	7.319		
2,500.00	2,492.99	2,504.24	2,464.97	9.17	10.80	-24.15	220.12	-213.35	139.88	121.74	18.14	7.710		
2,600.00	2,592.67	2,603.33	2,561.77	9.55	11.30	-22.11	237.79	-225.11	152.31	133.46	18.85	8.080		
2,700.00	2,692.34	2,702.42	2,658.56	9.93	11.80	-20.37	255.45	-236.86	164.90	145.33	19.56	8.428		
2,800.00	2,792.01	2,801.51	2,755.35	10.31	12.29	-18.89	273.12	-248.62	177.61	157.33	20.28	8.757		
2,900.00	2,891.69	2,900.60	2,852.14	10.69	12.79	-17.60	290.79	-260.37	190.43	169.42	21.01	9.066		
3,000.00	2,991.36	3,000.31	2,948.93	11.07	13.29	-16.47	308.46	-272.12	203.33	181.59	21.73	9.356		
3,100.00	3,091.03	3,101.22	3,045.72	11.45	13.79	-15.48	326.13	-283.88	216.30	193.83	22.47	9.626		
3,200.00	3,190.71	3,202.13	3,142.51	11.83	14.30	-14.60	343.80	-295.63	229.32	206.11	23.21	9.882		
3,300.00	3,290.38	3,296.96	3,239.30	12.21	14.78	-13.82	361.46	-307.39	242.39	218.47	23.92	10.133		
3,400.00	3,390.05	3,403.95	3,336.10	12.59	15.32	-13.12	379.13	-319.14	255.50	230.82	24.69	10.350		
3,500.00	3,489.73	3,504.86	3,432.89	12.97	15.82	-12.48	396.80	-330.89	268.65	243.22	25.43	10.565		
3,600.00	3,589.40	3,605.77	3,529.68	13.35	16.33	-11.90	414.47	-342.65	281.83	255.65	26.17	10.768		
3,700.00	3,689.07	3,706.68	3,626.47	13.73	16.84	-11.38	432.14	-354.40	295.03	268.11	26.92	10.961		
3,800.00	3,788.75	3,807.59	3,723.26	14.12	17.35	-10.90	449.81	-366.15	308.25	280.59	27.66	11.143		
3,900.00	3,888.42	3,891.50	3,820.05	14.50	17.77	-10.46	467.48	-377.91	321.49	293.15	28.34	11.344		
4,000.00	3,988.09	4,009.41	3,916.84	14.88	18.36	-10.06	485.14	-389.66	334.75	305.60	29.15	11.482		
4,100.00	4,087.77	4,089.68	4,013.63	15.26	18.77	-9.68	502.81	-401.42	348.03	318.21	29.82	11.671		
4,200.00	4,187.44	4,188.77	4,110.43	15.64	19.27	-9.33	520.48	-413.17	361.32	330.76	30.56	11.823		
4,300.00	4,287.11	4,287.86	4,207.22	16.02	19.76	-9.01	538.15	-424.92	374.62	343.32	31.30	11.968		
4,400.00	4,386.79	4,386.95	4,304.01	16.40	20.26	-8.71	555.82	-436.68	387.93	355.89	32.04	12.106		
4,500.00	4,486.46	4,486.04	4,400.80	16.78	20.76	-8.43	573.49	-448.43	401.25	368.47	32.79	12.239		
4,600.00	4,586.14	4,585.13	4,497.59	17.16	21.26	-8.17	591.15	-460.19	414.58	381.06	33.53	12.366		
4,700.00	4,685.81	4,684.22	4,594.38	17.54	21.76	-7.92	608.82	-471.94	427.92	393.65	34.27	12.487		
4,800.00	4,785.48	4,783.31	4,691.17	17.92	22.26	-7.69	626.49	-483.69	441.27	406.26	35.01	12.603		
4,900.00	4,885.16	4,882.40	4,787.96	18.30	22.76	-7.48	644.16	-495.45	454.62	418.87	35.75	12.715		
5,000.00	4,984.83	4,981.49	4,884.76	18.68	23.26	-7.27	661.83	-507.20	467.98	431.48	36.50	12.822		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	5,084.50	5,080.58	4,981.55	19.06	23.76	-7.08	679.50	-518.96	481.34	444.10	37.24	12.925		
5,200.00	5,184.18	5,179.68	5,078.34	19.44	24.26	-6.89	697.17	-530.71	494.71	456.73	37.98	13.024		
5,300.00	5,283.85	5,278.77	5,175.13	19.82	24.76	-6.72	714.83	-542.46	508.09	469.36	38.73	13.119		
5,400.00	5,383.52	5,377.86	5,271.92	20.21	25.26	-6.55	732.50	-554.22	521.46	481.99	39.47	13.211		
5,500.00	5,483.20	5,476.95	5,368.71	20.59	25.76	-6.40	750.17	-565.97	534.85	494.63	40.22	13.300		
5,600.00	5,582.87	5,576.04	5,465.50	20.97	26.26	-6.25	767.84	-577.73	548.23	507.27	40.96	13.385		
5,700.00	5,682.54	5,675.13	5,562.29	21.35	26.76	-6.11	785.51	-589.48	561.62	519.92	41.70	13.467		
5,800.00	5,782.22	5,774.22	5,659.09	21.73	27.26	-5.97	803.18	-601.23	575.01	532.57	42.45	13.546		
5,900.00	5,881.89	5,873.31	5,755.88	22.11	27.76	-5.84	820.84	-612.99	588.41	545.22	43.19	13.623		
6,000.00	5,981.56	5,972.40	5,852.67	22.49	28.26	-5.72	838.51	-624.74	601.81	557.87	43.94	13.697		
6,100.00	6,081.24	6,071.49	5,949.46	22.87	28.76	-5.60	856.18	-636.49	615.21	570.53	44.68	13.769		
6,200.00	6,180.91	6,170.58	6,046.25	23.25	29.26	-5.49	873.85	-648.25	628.61	583.19	45.43	13.838		
6,300.00	6,280.58	6,269.67	6,143.04	23.63	29.76	-5.38	891.52	-660.00	642.02	595.85	46.17	13.905		
6,400.00	6,380.26	6,368.76	6,239.83	24.01	30.26	-5.28	909.19	-671.76	655.42	608.51	46.92	13.970		
6,500.00	6,479.93	6,467.85	6,336.62	24.39	30.76	-5.18	926.85	-683.51	668.83	621.17	47.66	14.033		
6,600.00	6,579.60	6,566.94	6,433.42	24.77	31.26	-5.08	944.52	-695.26	682.25	633.84	48.41	14.094		
6,700.00	6,679.28	6,666.03	6,530.21	25.15	31.76	-4.99	962.19	-707.02	695.66	646.51	49.15	14.153		
6,800.00	6,778.95	6,765.12	6,627.00	25.53	32.27	-4.90	979.86	-718.77	709.08	659.18	49.90	14.211		
6,900.00	6,878.62	6,864.21	6,723.79	25.92	32.77	-4.82	997.53	-730.53	722.49	671.85	50.64	14.267		
7,000.00	6,978.30	6,963.30	6,820.58	26.30	33.27	-4.74	1,015.20	-742.28	735.91	684.52	51.39	14.321		
7,100.00	7,077.97	7,062.39	6,917.37	26.68	33.77	-4.66	1,032.87	-754.03	749.33	697.20	52.13	14.374		
7,200.00	7,177.64	7,161.48	7,014.16	27.06	34.27	-4.58	1,050.53	-765.79	762.75	709.87	52.88	14.425		
7,300.00	7,277.20	7,260.65	7,111.04	27.44	34.77	-4.50	1,068.22	-777.55	775.16	721.53	53.62	14.456		
7,400.00	7,374.70	7,359.51	7,207.60	27.87	35.27	-4.42	1,085.84	-789.28	778.65	724.29	54.36	14.324		
7,500.00	7,467.14	7,500.00	7,520.55	28.34	36.02	57.87	1,141.04	-741.16	756.88	702.36	54.52	13.883		
7,600.00	7,551.72	7,833.16	7,643.76	28.86	36.39	74.30	1,161.45	-663.06	719.83	664.10	55.73	12.915		
7,700.00	7,625.87	7,857.49	7,661.94	29.46	36.40	80.65	1,164.37	-647.16	689.46	631.71	57.75	11.938		
7,800.00	7,687.33	7,848.34	7,655.18	30.18	36.40	82.40	1,163.29	-653.23	671.23	611.40	59.82	11.220		
7,888.32	7,729.56	7,827.54	7,639.47	30.94	36.39	81.53	1,160.76	-666.61	666.15	604.66	61.49	10.834		
7,900.00	7,734.24	7,824.23	7,636.92	31.04	36.39	81.29	1,160.35	-668.69	666.24	604.55	61.69	10.800		
8,000.00	7,765.16	7,792.29	7,611.78	32.07	36.38	78.19	1,156.26	-687.95	673.61	610.26	63.35	10.633		
8,100.00	7,779.17	7,755.77	7,581.79	33.26	36.36	73.73	1,151.32	-708.19	691.21	626.32	64.89	10.652		
8,200.00	7,780.00	7,718.91	7,550.31	34.59	36.33	70.36	1,146.07	-726.62	717.39	651.02	66.37	10.809		
8,300.00	7,780.00	7,688.82	7,523.80	36.06	36.29	68.15	1,141.61	-740.12	753.72	685.99	67.74	11.128		
8,400.00	7,780.00	7,664.22	7,501.63	37.67	36.25	66.33	1,137.84	-750.09	799.51	730.61	68.90	11.604		
8,500.00	7,780.00	7,650.00	7,488.63	39.41	36.23	65.27	1,135.62	-755.42	853.62	783.64	69.98	12.198		
8,600.00	7,780.00	7,626.64	7,467.01	41.24	36.19	63.54	1,131.92	-763.44	914.69	844.13	70.55	12.964		
8,700.00	7,780.00	7,612.02	7,453.33	43.17	36.16	62.46	1,129.56	-768.01	981.67	910.58	71.09	13.809		
8,800.00	7,780.00	7,600.00	7,441.99	45.18	36.14	61.57	1,127.60	-771.50	1,053.51	982.03	71.48	14.738		
8,900.00	7,780.00	7,600.00	7,441.99	47.25	36.14	61.57	1,127.60	-771.50	1,129.50	1,057.54	71.95	15.698		
9,000.00	7,780.00	7,578.93	7,421.96	49.39	36.09	60.03	1,124.12	-777.03	1,208.49	1,136.57	71.91	16.805		
9,100.00	7,780.00	7,570.47	7,413.87	51.58	36.06	59.41	1,122.71	-779.04	1,290.35	1,218.33	72.03	17.915		
9,200.00	7,780.00	7,550.00	7,394.17	53.81	36.01	57.94	1,119.26	-783.40	1,374.67	1,302.80	71.88	19.126		
9,300.00	7,780.00	7,550.00	7,394.17	56.09	36.01	57.94	1,119.26	-783.40	1,460.56	1,388.53	72.02	20.279		
9,400.00	7,780.00	7,550.00	7,394.17	58.40	36.01	57.94	1,119.26	-783.40	1,548.14	1,476.01	72.13	21.465		
9,500.00	7,780.00	7,550.00	7,394.17	60.74	36.01	57.94	1,119.26	-783.40	1,637.14	1,564.95	72.19	22.678		
9,600.00	7,780.00	7,550.00	7,394.17	63.11	36.01	57.94	1,119.26	-783.40	1,727.35	1,655.12	72.23	23.915		
9,700.00	7,780.00	7,550.00	7,394.17	65.51	36.01	57.94	1,119.26	-783.40	1,818.58	1,746.33	72.25	25.171		
9,800.00	7,780.00	7,531.01	7,375.76	67.93	35.96	56.58	1,116.03	-786.81	1,910.31	1,838.29	72.02	26.526		
9,900.00	7,780.00	7,527.18	7,372.04	70.37	35.95	56.31	1,115.37	-787.42	2,003.01	1,931.03	71.97	27.829		
10,000.00	7,780.00	7,523.66	7,368.61	72.82	35.94	56.07	1,114.77	-787.96	2,096.35	2,024.42	71.93	29.143		
10,100.00	7,780.00	7,520.39	7,365.44	75.30	35.93	55.84	1,114.21	-788.44	2,190.26	2,118.37	71.89	30.467		

CC - Min centre to center distance or convergent 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 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	7,780.00	7,500.00	7,345.52	77.79	35.86	54.42	1,110.68	-791.03	2,284.98	2,213.33	71.64	31.893		
10,300.00	7,780.00	7,500.00	7,345.52	80.29	35.86	54.42	1,110.68	-791.03	2,379.73	2,308.08	71.64	33.217		
10,400.00	7,780.00	7,500.00	7,345.52	82.80	35.86	54.42	1,110.68	-791.03	2,474.89	2,403.25	71.64	34.548		
10,500.00	7,780.00	7,500.00	7,345.52	85.32	35.86	54.42	1,110.68	-791.03	2,570.42	2,498.79	71.63	35.885		
10,600.00	7,780.00	7,500.00	7,345.52	87.86	35.86	54.42	1,110.68	-791.03	2,666.28	2,594.66	71.62	37.228		
10,700.00	7,780.00	7,500.00	7,345.52	90.40	35.86	54.42	1,110.68	-791.03	2,762.43	2,690.81	71.61	38.575		
10,800.00	7,780.00	7,500.00	7,345.52	92.95	35.86	54.42	1,110.68	-791.03	2,858.84	2,787.24	71.60	39.926		
10,900.00	7,780.00	7,500.00	7,345.52	95.51	35.86	54.42	1,110.68	-791.03	2,955.50	2,883.90	71.60	41.280		
11,000.00	7,780.00	7,500.00	7,345.52	98.08	35.86	54.42	1,110.68	-791.03	3,052.37	2,980.78	71.59	42.637		
11,100.00	7,780.00	7,500.00	7,345.52	100.66	35.86	54.42	1,110.68	-791.03	3,149.43	3,077.85	71.58	43.997		
11,200.00	7,780.00	7,500.00	7,345.52	103.24	35.86	54.42	1,110.68	-791.03	3,246.67	3,175.10	71.58	45.359		
11,300.00	7,780.00	7,500.00	7,345.52	105.82	35.86	54.42	1,110.68	-791.03	3,344.08	3,272.51	71.57	46.722		
11,400.00	7,780.00	7,500.00	7,345.52	108.41	35.86	54.42	1,110.68	-791.03	3,441.63	3,370.06	71.57	48.087		
11,500.00	7,780.00	7,500.00	7,345.52	111.01	35.86	54.42	1,110.68	-791.03	3,539.32	3,467.75	71.57	49.452		
11,600.00	7,780.00	7,500.00	7,345.52	113.61	35.86	54.42	1,110.68	-791.03	3,637.14	3,565.57	71.57	50.819		
11,700.00	7,780.00	7,500.00	7,345.52	116.21	35.86	54.42	1,110.68	-791.03	3,735.07	3,663.50	71.57	52.186		
11,800.00	7,780.00	7,500.00	7,345.52	118.82	35.86	54.42	1,110.68	-791.03	3,833.11	3,761.54	71.58	53.554		
11,900.00	7,780.00	7,500.00	7,345.52	121.43	35.86	54.42	1,110.68	-791.03	3,931.25	3,859.67	71.58	54.921		
12,000.00	7,780.00	7,500.00	7,345.52	124.05	35.86	54.42	1,110.68	-791.03	4,029.48	3,957.89	71.59	56.289		
12,100.00	7,780.00	7,500.00	7,345.52	126.67	35.86	54.42	1,110.68	-791.03	4,127.79	4,056.20	71.59	57.656		
12,200.00	7,780.00	7,500.00	7,345.52	129.29	35.86	54.42	1,110.68	-791.03	4,226.19	4,154.59	71.60	59.023		
12,300.00	7,780.00	7,500.00	7,345.52	131.92	35.86	54.42	1,110.68	-791.03	4,324.65	4,253.04	71.61	60.390		
12,400.00	7,780.00	7,500.00	7,345.52	134.54	35.86	54.42	1,110.68	-791.03	4,423.19	4,351.57	71.62	61.755		
12,500.00	7,780.00	7,500.00	7,345.52	137.17	35.86	54.42	1,110.68	-791.03	4,521.79	4,450.15	71.64	63.120		
12,600.00	7,780.00	7,500.00	7,345.52	139.81	35.86	54.42	1,110.68	-791.03	4,620.45	4,548.80	71.65	64.485		
12,700.00	7,780.00	7,500.00	7,345.52	142.44	35.86	54.42	1,110.68	-791.03	4,719.17	4,647.50	71.67	65.848		
12,800.00	7,780.00	7,500.00	7,345.52	145.08	35.86	54.42	1,110.68	-791.03	4,817.94	4,746.25	71.69	67.210		
12,900.00	7,780.00	7,477.56	7,323.51	147.72	35.78	52.89	1,106.77	-793.04	4,916.27	4,844.76	71.52	68.744		
13,000.00	7,780.00	7,476.83	7,322.79	150.36	35.78	52.84	1,106.64	-793.09	5,015.11	4,943.58	71.53	70.111		
13,100.00	7,780.00	7,476.12	7,322.10	153.00	35.78	52.79	1,106.52	-793.14	5,113.99	5,042.44	71.55	71.477		
13,200.00	7,780.00	7,475.44	7,321.43	155.65	35.77	52.75	1,106.40	-793.19	5,212.91	5,141.34	71.56	72.842		
13,300.00	7,780.00	7,474.79	7,320.79	158.29	35.77	52.70	1,106.29	-793.23	5,311.87	5,240.28	71.58	74.204		
13,400.00	7,780.00	7,474.15	7,320.16	160.94	35.77	52.66	1,106.18	-793.27	5,410.87	5,339.26	71.60	75.566		
13,500.00	7,780.00	7,473.54	7,319.56	163.59	35.77	52.62	1,106.07	-793.31	5,509.90	5,438.27	71.63	76.925		
13,600.00	7,780.00	7,472.94	7,318.98	166.24	35.77	52.58	1,105.96	-793.35	5,608.97	5,537.32	71.65	78.282		
13,700.00	7,780.00	7,472.37	7,318.41	168.90	35.76	52.54	1,105.86	-793.38	5,708.07	5,636.39	71.68	79.638		
13,800.00	7,780.00	7,450.00	7,296.42	171.55	35.68	51.06	1,101.93	-794.32	5,807.65	5,736.12	71.52	81.198		
13,900.00	7,780.00	7,450.00	7,296.42	174.20	35.68	51.06	1,101.93	-794.32	5,906.78	5,835.23	71.56	82.546		
14,000.00	7,780.00	7,450.00	7,296.42	176.86	35.68	51.06	1,101.93	-794.32	6,005.95	5,934.36	71.59	83.893		
14,100.00	7,780.00	7,450.00	7,296.42	179.52	35.68	51.06	1,101.93	-794.32	6,105.14	6,033.51	71.63	85.237		
14,200.00	7,780.00	7,450.00	7,296.42	182.18	35.68	51.06	1,101.93	-794.32	6,204.36	6,132.70	71.66	86.580		
14,300.00	7,780.00	7,450.00	7,296.42	184.83	35.68	51.06	1,101.93	-794.32	6,303.60	6,231.90	71.70	87.920		
14,400.00	7,780.00	7,450.00	7,296.42	187.49	35.68	51.06	1,101.93	-794.32	6,402.87	6,331.13	71.73	89.258		
14,500.00	7,780.00	7,450.00	7,296.42	190.16	35.68	51.06	1,101.93	-794.32	6,502.15	6,430.38	71.77	90.594		
14,600.00	7,780.00	7,450.00	7,296.42	192.82	35.68	51.06	1,101.93	-794.32	6,601.46	6,529.65	71.81	91.927		
14,700.00	7,780.00	7,450.00	7,296.42	195.48	35.68	51.06	1,101.93	-794.32	6,700.79	6,628.94	71.85	93.258		
14,800.00	7,780.00	7,450.00	7,296.42	198.14	35.68	51.06	1,101.93	-794.32	6,800.14	6,728.25	71.89	94.586		
14,900.00	7,780.00	7,450.00	7,296.42	200.81	35.68	51.06	1,101.93	-794.32	6,899.51	6,827.58	71.94	95.912		
15,000.00	7,780.00	7,450.00	7,296.42	203.47	35.68	51.06	1,101.93	-794.32	6,998.90	6,926.92	71.98	97.236		
15,100.00	7,780.00	7,450.00	7,296.42	206.14	35.68	51.06	1,101.93	-794.32	7,098.30	7,026.28	72.02	98.557		
15,200.00	7,780.00	7,450.00	7,296.42	208.81	35.68	51.06	1,101.93	-794.32	7,197.72	7,125.66	72.07	99.875		
15,300.00	7,780.00	7,450.00	7,296.42	211.48	35.68	51.06	1,101.93	-794.32	7,297.16	7,225.05	72.11	101.191		

CC - Min centre to center distance or convergent 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 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<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			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	7,780.00	7,450.00	7,296.42	214.14	35.68	51.06	1,101.93	-794.32	7,396.61	7,324.45	72.16	102.504	
15,500.00	7,780.00	7,450.00	7,296.42	216.81	35.68	51.06	1,101.93	-794.32	7,496.08	7,423.87	72.21	103.814	
15,600.00	7,780.00	7,450.00	7,296.42	219.48	35.68	51.06	1,101.93	-794.32	7,595.56	7,523.30	72.25	105.122	
15,700.00	7,780.00	7,450.00	7,296.42	222.15	35.68	51.06	1,101.93	-794.32	7,695.05	7,622.75	72.30	106.427	
15,800.00	7,780.00	7,450.00	7,296.42	224.82	35.68	51.06	1,101.93	-794.32	7,794.56	7,722.20	72.35	107.729	
15,900.00	7,780.00	7,450.00	7,296.42	227.49	35.68	51.06	1,101.93	-794.32	7,894.08	7,821.67	72.40	109.028	
16,000.00	7,780.00	7,450.00	7,296.42	230.16	35.68	51.06	1,101.93	-794.32	7,993.61	7,921.15	72.46	110.324	
16,100.00	7,780.00	7,450.00	7,296.42	232.84	35.68	51.06	1,101.93	-794.32	8,093.15	8,020.64	72.51	111.618	
16,200.00	7,780.00	7,450.00	7,296.42	235.51	35.68	51.06	1,101.93	-794.32	8,192.70	8,120.14	72.56	112.908	
16,300.00	7,780.00	7,450.00	7,296.42	238.18	35.68	51.06	1,101.93	-794.32	8,292.27	8,219.65	72.61	114.196	
16,400.00	7,780.00	7,450.00	7,296.42	240.86	35.68	51.06	1,101.93	-794.32	8,391.84	8,319.17	72.67	115.480	
16,500.00	7,780.00	7,450.00	7,296.42	243.53	35.68	51.06	1,101.93	-794.32	8,491.43	8,418.70	72.72	116.762	
16,600.00	7,780.00	7,450.00	7,296.42	246.20	35.68	51.06	1,101.93	-794.32	8,591.02	8,518.24	72.78	118.040	
16,700.00	7,780.00	7,450.00	7,296.42	248.88	35.68	51.06	1,101.93	-794.32	8,690.63	8,617.79	72.84	119.316	
16,800.00	7,780.00	7,450.00	7,296.42	251.55	35.68	51.06	1,101.93	-794.32	8,790.24	8,717.34	72.89	120.588	
16,900.00	7,780.00	7,450.00	7,296.42	254.23	35.68	51.06	1,101.93	-794.32	8,889.86	8,816.91	72.95	121.857	
17,000.00	7,780.00	7,450.00	7,296.42	256.91	35.68	51.06	1,101.93	-794.32	8,989.49	8,916.48	73.01	123.123	
17,100.00	7,780.00	7,450.00	7,296.42	259.58	35.68	51.06	1,101.93	-794.32	9,089.13	9,016.06	73.07	124.386	
17,200.00	7,780.00	7,450.00	7,296.42	262.26	35.68	51.06	1,101.93	-794.32	9,188.77	9,115.64	73.13	125.646	
17,300.00	7,780.00	7,450.00	7,296.42	264.94	35.68	51.06	1,101.93	-794.32	9,288.43	9,215.23	73.19	126.903	
17,400.00	7,780.00	7,450.00	7,296.42	267.61	35.68	51.06	1,101.93	-794.32	9,388.09	9,314.83	73.26	128.156	
17,500.00	7,780.00	7,450.00	7,296.42	270.29	35.68	51.06	1,101.93	-794.32	9,487.76	9,414.44	73.32	129.406	
17,600.00	7,780.00	7,450.00	7,296.42	272.97	35.68	51.06	1,101.93	-794.32	9,587.43	9,514.05	73.38	130.653	
17,700.00	7,780.00	7,450.00	7,296.42	275.65	35.68	51.06	1,101.93	-794.32	9,687.11	9,613.67	73.44	131.897	
17,800.00	7,780.00	7,450.00	7,296.42	278.33	35.68	51.06	1,101.93	-794.32	9,786.80	9,713.29	73.51	133.137	
17,900.00	7,780.00	7,450.00	7,296.42	281.01	35.68	51.06	1,101.93	-794.32	9,886.50	9,812.92	73.57	134.374	
18,000.00	7,780.00	7,450.00	7,296.42	283.69	35.68	51.06	1,101.93	-794.32	9,986.20	9,912.56	73.64	135.608	

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	0.50	-0.50	0.00	0.00	-179.87	-120.21	-0.28	120.21					
100.00	100.00	100.50	99.50	0.13	0.14	-179.87	-120.21	-0.28	120.21	119.94	0.27	444.156		
200.00	200.00	200.50	199.50	0.49	0.49	-179.87	-120.21	-0.28	120.21	119.22	0.99	121.720 CC		
300.00	299.98	300.52	299.48	0.85	0.85	-146.88	-120.21	-0.28	121.67	119.96	1.71	71.359		
400.00	399.84	400.66	399.34	1.22	1.21	-148.13	-120.21	-0.28	126.08	123.65	2.43	51.919		
500.00	499.52	499.02	499.02	1.58	1.56	-149.91	-120.21	-0.28	132.86	129.72	3.15	42.212		
600.00	599.20	602.31	602.29	1.96	1.93	-151.10	-118.99	-1.64	138.63	134.76	3.87	35.779		
700.00	698.87	705.94	705.77	2.33	2.30	-151.19	-115.27	-5.79	141.81	137.20	4.61	30.786		
800.00	798.54	809.63	809.02	2.71	2.68	-150.23	-109.04	-12.72	142.38	137.03	5.35	26.636		
900.00	898.22	913.09	911.66	3.09	3.08	-148.20	-100.35	-22.41	140.47	134.37	6.10	23.042		
1,000.00	997.89	1,014.65	1,011.94	3.47	3.48	-145.12	-89.64	-34.34	136.59	129.73	6.86	19.912		
1,100.00	1,097.57	1,114.26	1,110.21	3.85	3.89	-141.74	-78.76	-46.47	132.77	125.13	7.64	17.388		
1,200.00	1,197.24	1,213.87	1,208.48	4.23	4.31	-138.17	-67.88	-58.59	129.45	121.02	8.43	15.364		
1,300.00	1,296.91	1,313.48	1,306.75	4.61	4.73	-134.43	-56.99	-70.72	126.65	117.43	9.23	13.724		
1,400.00	1,396.59	1,413.08	1,405.01	4.99	5.16	-130.54	-46.11	-82.84	124.43	114.38	10.04	12.389		
1,500.00	1,496.26	1,512.69	1,503.28	5.37	5.59	-126.53	-35.23	-94.97	122.80	111.93	10.87	11.300		
1,600.00	1,595.93	1,612.30	1,601.55	5.75	6.02	-122.43	-24.35	-107.09	121.79	110.09	11.70	10.411		
1,700.00	1,695.61	1,711.91	1,699.82	6.13	6.46	-118.29	-13.47	-119.21	121.41	108.88	12.53	9.689		
1,708.25	1,703.83	1,720.13	1,707.93	6.16	6.49	-117.95	-12.57	-120.21	121.41	108.81	12.60	9.635		
1,800.00	1,795.28	1,811.52	1,798.08	6.51	6.89	-114.14	-2.59	-131.34	121.68	108.31	13.37	9.104		
1,900.00	1,894.95	1,911.13	1,896.35	6.89	7.33	-110.03	8.29	-143.46	122.59	108.39	14.20	8.634		
2,000.00	1,994.63	2,010.74	1,994.62	7.27	7.77	-106.01	19.17	-155.59	124.12	109.09	15.03	8.261		
2,100.00	2,094.30	2,110.35	2,092.89	7.65	8.21	-102.09	30.06	-167.71	126.25	110.40	15.84	7.968		
2,200.00	2,193.97	2,209.96	2,191.16	8.03	8.65	-98.33	40.94	-179.84	128.95	112.29	16.66	7.742		
2,300.00	2,293.65	2,309.57	2,289.42	8.41	9.09	-94.73	51.82	-191.96	132.19	114.73	17.46	7.573		
2,400.00	2,393.32	2,409.17	2,387.69	8.79	9.54	-91.32	62.70	-204.08	135.92	117.68	18.25	7.449		
2,500.00	2,492.99	2,508.78	2,485.96	9.17	9.98	-88.10	73.58	-216.21	140.12	121.09	19.03	7.364		
2,600.00	2,592.67	2,608.39	2,584.23	9.55	10.42	-85.07	84.46	-228.33	144.73	124.93	19.80	7.309		
2,700.00	2,692.34	2,708.00	2,682.49	9.93	10.87	-82.24	95.34	-240.46	149.72	129.16	20.57	7.280		
2,800.00	2,792.01	2,807.61	2,780.76	10.31	11.31	-79.59	106.22	-252.58	155.06	133.73	21.32	7.271		
2,900.00	2,891.69	2,907.22	2,879.03	10.69	11.76	-77.13	117.11	-264.70	160.70	138.63	22.08	7.279		
3,000.00	2,991.36	3,006.83	2,977.30	11.07	12.20	-74.83	127.99	-276.83	166.62	143.80	22.82	7.301		
3,100.00	3,091.03	3,106.44	3,075.56	11.45	12.65	-72.70	138.87	-288.95	172.79	149.23	23.57	7.332		
3,200.00	3,190.71	3,206.05	3,173.83	11.83	13.09	-70.71	149.75	-301.08	179.19	154.88	24.31	7.372		
3,300.00	3,290.38	3,305.66	3,272.10	12.21	13.54	-68.86	160.63	-313.20	185.78	160.74	25.04	7.419		
3,400.00	3,390.05	3,405.26	3,370.37	12.59	13.98	-67.14	171.51	-325.33	192.56	166.78	25.78	7.470		
3,500.00	3,489.73	3,504.87	3,468.64	12.97	14.43	-65.54	182.39	-337.45	199.49	172.98	26.51	7.525		
3,600.00	3,589.40	3,604.48	3,566.90	13.35	14.88	-64.05	193.27	-349.57	206.57	179.33	27.24	7.582		
3,700.00	3,689.07	3,704.09	3,665.17	13.73	15.32	-62.66	204.16	-361.70	213.78	185.81	27.97	7.642		
3,800.00	3,788.75	3,803.70	3,763.44	14.12	15.77	-61.35	215.04	-373.82	221.11	192.40	28.71	7.703		
3,900.00	3,888.42	3,903.31	3,861.71	14.50	16.22	-60.14	225.92	-385.95	228.54	199.11	29.44	7.764		
4,000.00	3,988.09	4,002.92	3,959.97	14.88	16.66	-58.99	236.80	-398.07	236.08	205.91	30.17	7.826		
4,100.00	4,087.77	4,102.53	4,058.24	15.26	17.11	-57.92	247.68	-410.20	243.70	212.80	30.90	7.888		
4,200.00	4,187.44	4,202.14	4,156.51	15.64	17.56	-56.92	258.56	-422.32	251.39	219.77	31.63	7.949		
4,300.00	4,287.11	4,301.75	4,254.78	16.02	18.00	-55.97	269.44	-434.44	259.16	226.81	32.36	8.010		
4,400.00	4,386.79	4,401.35	4,353.05	16.40	18.45	-55.08	280.32	-446.57	267.00	233.92	33.09	8.070		
4,500.00	4,486.46	4,500.96	4,451.31	16.78	18.90	-54.24	291.21	-458.69	274.90	241.08	33.82	8.129		
4,600.00	4,586.14	4,600.57	4,549.58	17.16	19.34	-53.45	302.09	-470.82	282.85	248.30	34.55	8.187		
4,700.00	4,685.81	4,700.18	4,647.85	17.54	19.79	-52.70	312.97	-482.94	290.86	255.58	35.28	8.244		
4,800.00	4,785.48	4,800.21	4,746.12	17.92	20.24	-51.99	323.85	-495.07	298.91	262.89	36.01	8.300		
4,900.00	4,885.16	4,900.60	4,844.38	18.30	20.69	-51.32	334.73	-507.19	307.00	270.25	36.75	8.354		
5,000.00	4,984.83	5,000.99	4,942.65	18.68	21.14	-50.69	345.61	-519.31	315.13	277.65	37.48	8.407		

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 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	5,084.50	5,101.38	5,040.92	19.06	21.59	-50.08	356.49	-531.44	323.30	285.09	38.22	8.459		
5,200.00	5,184.18	5,198.23	5,139.19	19.44	22.03	-49.51	367.37	-543.56	331.51	292.57	38.94	8.513		
5,300.00	5,283.85	5,302.16	5,237.46	19.82	22.49	-48.96	378.26	-555.69	339.75	300.06	39.69	8.560		
5,400.00	5,383.52	5,402.56	5,335.72	20.21	22.94	-48.44	389.14	-567.81	348.01	307.58	40.43	8.608		
5,500.00	5,483.20	5,502.95	5,433.99	20.59	23.40	-47.94	400.02	-579.93	356.30	315.14	41.16	8.656		
5,600.00	5,582.87	5,603.34	5,532.26	20.97	23.85	-47.47	410.90	-592.06	364.62	322.72	41.90	8.702		
5,700.00	5,682.54	5,703.73	5,630.53	21.35	24.30	-47.01	421.78	-604.18	372.96	330.33	42.64	8.747		
5,800.00	5,782.22	5,804.12	5,728.79	21.73	24.75	-46.58	432.66	-616.31	381.33	337.95	43.38	8.791		
5,900.00	5,881.89	5,904.51	5,827.06	22.11	25.20	-46.16	443.54	-628.43	389.71	345.60	44.11	8.834		
6,000.00	5,981.56	6,004.90	5,925.33	22.49	25.65	-45.77	454.42	-640.56	398.12	353.27	44.85	8.876		
6,100.00	6,081.24	6,105.29	6,023.60	22.87	26.10	-45.39	465.31	-652.68	406.54	360.95	45.59	8.917		
6,200.00	6,180.91	6,205.68	6,121.87	23.25	26.55	-45.02	476.19	-664.80	414.98	368.65	46.33	8.957		
6,300.00	6,280.58	6,293.93	6,220.13	23.63	26.95	-44.67	487.07	-676.93	423.44	376.41	47.02	9.005		
6,400.00	6,380.26	6,393.53	6,318.40	24.01	27.40	-44.33	497.95	-689.05	431.91	384.15	47.76	9.044		
6,500.00	6,479.93	6,506.86	6,416.67	24.39	27.91	-44.01	508.83	-701.18	440.39	391.84	48.55	9.071		
6,600.00	6,579.60	6,607.25	6,514.94	24.77	28.36	-43.70	519.71	-713.30	448.89	399.60	49.29	9.108		
6,700.00	6,679.28	6,707.64	6,613.20	25.15	28.81	-43.40	530.59	-725.43	457.40	407.37	50.03	9.143		
6,800.00	6,778.95	6,808.03	6,711.47	25.53	29.26	-43.11	541.47	-737.55	465.92	415.16	50.77	9.178		
6,900.00	6,878.62	6,908.42	6,809.74	25.92	29.71	-42.83	552.36	-749.67	474.46	422.95	51.51	9.212		
7,000.00	6,978.30	7,008.81	6,908.01	26.30	30.16	-42.56	563.24	-761.80	483.01	430.76	52.25	9.245		
7,100.00	7,077.97	7,109.20	7,006.28	26.68	30.62	-42.30	574.12	-773.92	491.56	438.57	52.99	9.277		
7,200.00	7,177.64	7,190.41	7,104.54	27.06	30.98	-42.05	585.00	-786.05	500.13	446.47	53.65	9.321		
7,300.00	7,277.20	7,603.91	7,500.82	27.44	32.00	-8.41	627.44	-714.29	486.16	438.25	47.91	10.148		
7,400.00	7,374.70	7,836.03	7,670.44	27.87	32.00	36.06	644.12	-559.05	408.29	369.62	38.67	10.558		
7,500.00	7,467.14	7,885.29	7,697.57	28.34	31.98	72.88	646.59	-518.04	319.01	280.11	38.90	8.201		
7,600.00	7,551.72	7,883.24	7,696.52	28.86	31.98	89.88	646.50	-519.79	234.99	191.31	43.68	5.380		
7,700.00	7,625.87	7,861.45	7,684.88	29.46	31.99	91.64	645.45	-538.18	169.66	116.87	52.80	3.213		
7,789.21	7,681.37	7,833.85	7,669.15	30.10	32.00	84.47	644.00	-560.81	146.68	86.85	59.83	2.452 ES		
7,800.00	7,687.33	7,830.17	7,666.97	30.18	32.00	83.14	643.79	-563.77	147.03	86.97	60.06	2.448 SF		
7,900.00	7,734.24	7,793.65	7,644.35	31.04	32.01	67.56	641.66	-592.36	178.38	121.57	56.80	3.140		
8,000.00	7,765.16	7,753.95	7,617.77	32.07	32.02	50.32	639.11	-621.72	238.47	185.58	52.89	4.509		
8,100.00	7,779.17	7,712.17	7,587.69	33.26	32.02	36.37	636.17	-650.54	306.33	254.65	51.68	5.928		
8,200.00	7,780.00	7,671.01	7,556.08	34.59	32.02	29.94	633.03	-676.72	376.05	324.14	51.91	7.244		
8,300.00	7,780.00	7,636.03	7,527.82	36.06	32.01	26.57	630.18	-697.12	451.71	399.22	52.49	8.605		
8,400.00	7,780.00	7,600.00	7,497.47	37.67	31.99	23.52	627.10	-716.28	532.11	479.30	52.81	10.076		
8,500.00	7,780.00	7,581.16	7,481.14	39.41	31.98	22.09	625.42	-725.53	615.83	562.08	53.75	11.457		
8,600.00	7,780.00	7,550.00	7,453.50	41.24	31.96	19.94	622.57	-739.62	702.42	648.47	53.96	13.019		
8,700.00	7,780.00	7,550.00	7,453.50	43.17	31.96	19.94	622.57	-739.62	790.93	735.86	55.07	14.361		
8,800.00	7,780.00	7,524.14	7,430.01	45.18	31.93	18.34	620.13	-750.15	880.94	825.75	55.19	15.961		
8,900.00	7,780.00	7,500.00	7,407.68	47.25	31.90	16.98	617.80	-759.02	972.53	917.21	55.32	17.581		
9,000.00	7,780.00	7,500.00	7,407.68	49.39	31.90	16.98	617.80	-759.02	1,064.94	1,009.01	55.93	19.041		
9,100.00	7,780.00	7,500.00	7,407.68	51.58	31.90	16.98	617.80	-759.02	1,158.62	1,102.21	56.41	20.539		
9,200.00	7,780.00	7,475.21	7,384.39	53.81	31.86	15.70	615.35	-767.12	1,252.49	1,196.13	56.36	22.222		
9,300.00	7,780.00	7,466.01	7,375.66	56.09	31.85	15.26	614.43	-769.88	1,347.26	1,290.69	56.57	23.816		
9,400.00	7,780.00	7,450.00	7,360.36	58.40	31.82	14.52	612.81	-774.33	1,442.64	1,386.00	56.64	25.471		
9,500.00	7,780.00	7,450.00	7,360.36	60.74	31.82	14.52	612.81	-774.33	1,538.32	1,481.40	56.92	27.028		
9,600.00	7,780.00	7,450.00	7,360.36	63.11	31.82	14.52	612.81	-774.33	1,634.52	1,577.37	57.15	28.599		
9,700.00	7,780.00	7,450.00	7,360.36	65.51	31.82	14.52	612.81	-774.33	1,731.15	1,673.79	57.36	30.183		
9,800.00	7,780.00	7,431.09	7,342.15	67.93	31.78	13.70	610.88	-779.02	1,827.74	1,770.42	57.32	31.888		
9,900.00	7,780.00	7,425.74	7,336.97	70.37	31.77	13.48	610.32	-780.24	1,924.78	1,867.35	57.43	33.517		
10,000.00	7,780.00	7,420.79	7,332.16	72.82	31.76	13.28	609.81	-781.33	2,022.06	1,964.53	57.53	35.148		
10,100.00	7,780.00	7,400.00	7,311.90	75.30	31.72	12.47	607.65	-785.43	2,119.83	2,062.36	57.46	36.889		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	7,780.00	7,400.00	7,311.90	77.79	31.72	12.47	607.65	-785.43	2,217.36	2,159.76	57.60	38.494		
10,300.00	7,780.00	7,400.00	7,311.90	80.29	31.72	12.47	607.65	-785.43	2,315.10	2,257.37	57.73	40.104		
10,400.00	7,780.00	7,400.00	7,311.90	82.80	31.72	12.47	607.65	-785.43	2,413.02	2,355.18	57.84	41.717		
10,500.00	7,780.00	7,400.00	7,311.90	85.32	31.72	12.47	607.65	-785.43	2,511.11	2,453.16	57.95	43.332		
10,600.00	7,780.00	7,400.00	7,311.90	87.86	31.72	12.47	607.65	-785.43	2,609.35	2,551.30	58.05	44.950		
10,700.00	7,780.00	7,400.00	7,311.90	90.40	31.72	12.47	607.65	-785.43	2,707.71	2,649.57	58.14	46.570		
10,800.00	7,780.00	7,400.00	7,311.90	92.95	31.72	12.47	607.65	-785.43	2,806.19	2,747.96	58.23	48.190		
10,900.00	7,780.00	7,400.00	7,311.90	95.51	31.72	12.47	607.65	-785.43	2,904.77	2,846.46	58.32	49.812		
11,000.00	7,780.00	7,400.00	7,311.90	98.08	31.72	12.47	607.65	-785.43	3,003.45	2,945.05	58.40	51.433		
11,100.00	7,780.00	7,400.00	7,311.90	100.66	31.72	12.47	607.65	-785.43	3,102.21	3,043.74	58.47	53.054		
11,200.00	7,780.00	7,400.00	7,311.90	103.24	31.72	12.47	607.65	-785.43	3,201.05	3,142.50	58.55	54.676		
11,300.00	7,780.00	7,379.32	7,291.61	105.82	31.67	11.72	605.47	-788.77	3,299.52	3,241.05	58.48	56.425		
11,400.00	7,780.00	7,377.24	7,289.57	108.41	31.66	11.65	605.25	-789.07	3,398.40	3,339.87	58.53	58.058		
11,500.00	7,780.00	7,375.27	7,287.62	111.01	31.66	11.58	605.04	-789.34	3,497.34	3,438.75	58.59	59.689		
11,600.00	7,780.00	7,373.38	7,285.76	113.61	31.65	11.51	604.84	-789.60	3,596.33	3,537.68	58.65	61.318		
11,700.00	7,780.00	7,371.59	7,283.99	116.21	31.65	11.45	604.65	-789.83	3,695.37	3,636.66	58.71	62.945		
11,800.00	7,780.00	7,350.00	7,262.67	118.82	31.59	10.75	602.35	-792.24	3,794.85	3,736.21	58.64	64.715		
11,900.00	7,780.00	7,350.00	7,262.67	121.43	31.59	10.75	602.35	-792.24	3,893.90	3,835.20	58.71	66.326		
12,000.00	7,780.00	7,350.00	7,262.67	124.05	31.59	10.75	602.35	-792.24	3,993.01	3,934.23	58.78	67.936		
12,100.00	7,780.00	7,350.00	7,262.67	126.67	31.59	10.75	602.35	-792.24	4,092.16	4,033.32	58.84	69.543		
12,200.00	7,780.00	7,350.00	7,262.67	129.29	31.59	10.75	602.35	-792.24	4,191.35	4,132.44	58.91	71.149		
12,300.00	7,780.00	7,350.00	7,262.67	131.92	31.59	10.75	602.35	-792.24	4,290.58	4,231.60	58.98	72.752		
12,400.00	7,780.00	7,350.00	7,262.67	134.54	31.59	10.75	602.35	-792.24	4,389.84	4,330.80	59.04	74.353		
12,500.00	7,780.00	7,350.00	7,262.67	137.17	31.59	10.75	602.35	-792.24	4,489.14	4,430.03	59.10	75.952		
12,600.00	7,780.00	7,350.00	7,262.67	139.81	31.59	10.75	602.35	-792.24	4,588.46	4,529.29	59.17	77.548		
12,700.00	7,780.00	7,350.00	7,262.67	142.44	31.59	10.75	602.35	-792.24	4,687.82	4,628.58	59.23	79.141		
12,800.00	7,780.00	7,350.00	7,262.67	145.08	31.59	10.75	602.35	-792.24	4,787.20	4,727.90	59.30	80.731		
12,900.00	7,780.00	7,350.00	7,262.67	147.72	31.59	10.75	602.35	-792.24	4,886.60	4,827.24	59.36	82.319		
13,000.00	7,780.00	7,350.00	7,262.67	150.36	31.59	10.75	602.35	-792.24	4,986.04	4,926.61	59.43	83.903		
13,100.00	7,780.00	7,350.00	7,262.67	153.00	31.59	10.75	602.35	-792.24	5,085.49	5,026.00	59.49	85.485		
13,200.00	7,780.00	7,350.00	7,262.67	155.65	31.59	10.75	602.35	-792.24	5,184.96	5,125.41	59.55	87.063		
13,300.00	7,780.00	7,350.00	7,262.67	158.29	31.59	10.75	602.35	-792.24	5,284.46	5,224.84	59.62	88.638		
13,400.00	7,780.00	7,350.00	7,262.67	160.94	31.59	10.75	602.35	-792.24	5,383.97	5,324.28	59.68	90.209		
13,500.00	7,780.00	7,350.00	7,262.67	163.59	31.59	10.75	602.35	-792.24	5,483.50	5,423.75	59.75	91.777		
13,600.00	7,780.00	7,350.00	7,262.67	166.24	31.59	10.75	602.35	-792.24	5,583.05	5,523.23	59.81	93.342		
13,700.00	7,780.00	7,350.00	7,262.67	168.90	31.59	10.75	602.35	-792.24	5,682.61	5,622.73	59.88	94.903		
13,800.00	7,780.00	7,350.00	7,262.67	171.55	31.59	10.75	602.35	-792.24	5,782.19	5,722.24	59.94	96.460		
13,900.00	7,780.00	7,350.00	7,262.67	174.20	31.59	10.75	602.35	-792.24	5,881.78	5,821.77	60.01	98.014		
14,000.00	7,780.00	7,350.00	7,262.67	176.86	31.59	10.75	602.35	-792.24	5,981.38	5,921.31	60.08	99.564		
14,100.00	7,780.00	7,350.00	7,262.67	179.52	31.59	10.75	602.35	-792.24	6,081.00	6,020.86	60.14	101.110		
14,200.00	7,780.00	7,350.00	7,262.67	182.18	31.59	10.75	602.35	-792.24	6,180.63	6,120.42	60.21	102.652		
14,300.00	7,780.00	7,350.00	7,262.67	184.83	31.59	10.75	602.35	-792.24	6,280.28	6,220.00	60.28	104.190		
14,400.00	7,780.00	7,350.00	7,262.67	187.49	31.59	10.75	602.35	-792.24	6,379.93	6,319.59	60.34	105.725		
14,500.00	7,780.00	7,350.00	7,262.67	190.16	31.59	10.75	602.35	-792.24	6,479.60	6,419.18	60.41	107.255		
14,600.00	7,780.00	7,350.00	7,262.67	192.82	31.59	10.75	602.35	-792.24	6,579.27	6,518.79	60.48	108.781		
14,700.00	7,780.00	7,350.00	7,262.67	195.48	31.59	10.75	602.35	-792.24	6,678.96	6,618.40	60.55	110.303		
14,800.00	7,780.00	7,350.00	7,262.67	198.14	31.59	10.75	602.35	-792.24	6,778.65	6,718.03	60.62	111.821		
14,900.00	7,780.00	7,350.00	7,262.67	200.81	31.59	10.75	602.35	-792.24	6,878.35	6,817.66	60.69	113.334		
15,000.00	7,780.00	7,350.00	7,262.67	203.47	31.59	10.75	602.35	-792.24	6,978.06	6,917.30	60.76	114.844		
15,100.00	7,780.00	7,350.00	7,262.67	206.14	31.59	10.75	602.35	-792.24	7,077.78	7,016.95	60.83	116.349		
15,200.00	7,780.00	7,350.00	7,262.67	208.81	31.59	10.75	602.35	-792.24	7,177.51	7,116.61	60.90	117.850		
15,300.00	7,780.00	7,350.00	7,262.67	211.48	31.59	10.75	602.35	-792.24	7,277.25	7,216.27	60.98	119.346		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<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 3AH - 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	7,780.00	7,350.00	7,262.67	214.14	31.59	10.75	602.35	-792.24	7,376.99	7,315.94	61.05	120.838	
15,500.00	7,780.00	7,350.00	7,262.67	216.81	31.59	10.75	602.35	-792.24	7,476.74	7,415.61	61.12	122.325	
15,600.00	7,780.00	7,350.00	7,262.67	219.48	31.59	10.75	602.35	-792.24	7,576.49	7,515.30	61.20	123.808	
15,700.00	7,780.00	7,350.00	7,262.67	222.15	31.59	10.75	602.35	-792.24	7,676.25	7,614.98	61.27	125.286	
15,800.00	7,780.00	7,350.00	7,262.67	224.82	31.59	10.75	602.35	-792.24	7,776.02	7,714.68	61.34	126.760	
15,900.00	7,780.00	7,350.00	7,262.67	227.49	31.59	10.75	602.35	-792.24	7,875.79	7,814.38	61.42	128.230	
16,000.00	7,780.00	7,350.00	7,262.67	230.16	31.59	10.75	602.35	-792.24	7,975.57	7,914.08	61.50	129.694	
16,100.00	7,780.00	7,350.00	7,262.67	232.84	31.59	10.75	602.35	-792.24	8,075.36	8,013.79	61.57	131.154	
16,200.00	7,780.00	7,350.00	7,262.67	235.51	31.59	10.75	602.35	-792.24	8,175.15	8,113.50	61.65	132.610	
16,300.00	7,780.00	7,350.00	7,262.67	238.18	31.59	10.75	602.35	-792.24	8,274.94	8,213.22	61.73	134.060	
16,400.00	7,780.00	7,350.00	7,262.67	240.86	31.59	10.75	602.35	-792.24	8,374.74	8,312.94	61.80	135.506	
16,500.00	7,780.00	7,350.00	7,262.67	243.53	31.59	10.75	602.35	-792.24	8,474.55	8,412.67	61.88	136.947	
16,600.00	7,780.00	7,350.00	7,262.67	246.20	31.59	10.75	602.35	-792.24	8,574.36	8,512.40	61.96	138.384	
16,700.00	7,780.00	7,350.00	7,262.67	248.88	31.59	10.75	602.35	-792.24	8,674.17	8,612.13	62.04	139.816	
16,800.00	7,780.00	7,350.00	7,262.67	251.55	31.59	10.75	602.35	-792.24	8,773.99	8,711.87	62.12	141.242	
16,900.00	7,780.00	7,350.00	7,262.67	254.23	31.59	10.75	602.35	-792.24	8,873.81	8,811.61	62.20	142.665	
17,000.00	7,780.00	7,350.00	7,262.67	256.91	31.59	10.75	602.35	-792.24	8,973.64	8,911.36	62.28	144.082	
17,100.00	7,780.00	7,350.00	7,262.67	259.58	31.59	10.75	602.35	-792.24	9,073.47	9,011.11	62.36	145.494	
17,200.00	7,780.00	7,350.00	7,262.67	262.26	31.59	10.75	602.35	-792.24	9,173.30	9,110.86	62.45	146.902	
17,300.00	7,780.00	7,350.00	7,262.67	264.94	31.59	10.75	602.35	-792.24	9,273.14	9,210.61	62.53	148.304	
17,400.00	7,780.00	7,350.00	7,262.67	267.61	31.59	10.75	602.35	-792.24	9,372.98	9,310.37	62.61	149.702	
17,500.00	7,780.00	7,350.00	7,262.67	270.29	31.59	10.75	602.35	-792.24	9,472.82	9,410.13	62.69	151.095	
17,600.00	7,780.00	7,350.00	7,262.67	272.97	31.59	10.75	602.35	-792.24	9,572.67	9,509.89	62.78	152.483	
17,700.00	7,780.00	7,350.00	7,262.67	275.65	31.59	10.75	602.35	-792.24	9,672.52	9,609.66	62.86	153.865	
17,800.00	7,780.00	7,350.00	7,262.67	278.33	31.59	10.75	602.35	-792.24	9,772.38	9,709.43	62.95	155.243	
17,900.00	7,780.00	7,350.00	7,262.67	281.01	31.59	10.75	602.35	-792.24	9,872.23	9,809.20	63.03	156.616	
18,000.00	7,780.00	7,350.00	7,262.67	283.69	31.59	10.75	602.35	-792.24	9,972.09	9,908.97	63.12	157.984	

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	0.40	-0.40	0.00	0.00	-179.89	-140.24	-0.28	140.24					
100.00	100.00	100.40	99.60	0.13	0.14	-179.89	-140.24	-0.28	140.24	139.97	0.27	518.853		
200.00	200.00	200.40	199.60	0.49	0.49	-179.89	-140.24	-0.28	140.24	139.25	0.99	142.053 CC, ES		
300.00	299.98	300.42	299.58	0.85	0.85	-146.83	-140.24	-0.28	141.70	139.99	1.70	83.124		
400.00	399.84	400.56	399.44	1.22	1.21	-147.91	-140.24	-0.28	146.11	143.68	2.43	60.174		
500.00	499.52	500.88	499.12	1.58	1.57	-149.46	-140.24	-0.28	152.86	149.71	3.15	48.463		
600.00	599.20	598.80	598.80	1.96	1.92	-150.93	-140.24	-0.28	159.88	156.01	3.87	41.339		
700.00	698.87	700.18	700.16	2.33	2.28	-151.72	-139.88	-2.00	166.48	161.89	4.59	36.289		
800.00	798.54	801.75	801.58	2.71	2.64	-151.31	-138.80	-7.24	172.07	166.76	5.31	32.409		
900.00	898.22	903.22	902.66	3.09	3.00	-149.80	-136.99	-15.98	176.72	170.67	6.04	29.243		
1,000.00	997.89	1,003.71	1,002.42	3.47	3.38	-147.41	-134.56	-27.74	180.76	173.97	6.79	26.624		
1,100.00	1,097.57	1,103.32	1,101.26	3.85	3.76	-144.99	-132.04	-39.91	185.01	177.47	7.54	24.524		
1,200.00	1,197.24	1,202.93	1,200.09	4.23	4.15	-142.68	-129.53	-52.07	189.58	181.27	8.31	22.822		
1,300.00	1,296.91	1,302.54	1,298.92	4.61	4.54	-140.48	-127.01	-64.24	194.44	185.36	9.07	21.426		
1,400.00	1,396.59	1,402.15	1,397.75	4.99	4.94	-138.39	-124.49	-76.41	199.57	189.72	9.85	20.267		
1,500.00	1,496.26	1,501.76	1,496.58	5.37	5.34	-136.40	-121.98	-88.57	204.95	194.33	10.62	19.295		
1,600.00	1,595.93	1,601.36	1,595.41	5.75	5.74	-134.52	-119.46	-100.74	210.57	199.17	11.40	18.471		
1,700.00	1,695.61	1,700.97	1,694.24	6.13	6.14	-132.74	-116.94	-112.91	216.41	204.23	12.18	17.768		
1,800.00	1,795.28	1,800.58	1,793.07	6.51	6.55	-131.06	-114.43	-125.07	222.44	209.48	12.96	17.163		
1,900.00	1,894.95	1,900.19	1,891.90	6.89	6.95	-129.46	-111.91	-137.24	228.66	214.92	13.74	16.640		
2,000.00	1,994.63	2,000.20	1,990.73	7.27	7.36	-127.95	-109.39	-149.40	235.04	220.51	14.52	16.182		
2,100.00	2,094.30	2,100.59	2,089.56	7.65	7.77	-126.52	-106.88	-161.57	241.58	226.27	15.31	15.779		
2,200.00	2,193.97	2,200.98	2,188.40	8.03	8.18	-125.16	-104.36	-173.74	248.26	232.16	16.09	15.425		
2,300.00	2,293.65	2,301.37	2,287.23	8.41	8.60	-123.88	-101.84	-185.90	255.07	238.19	16.88	15.111		
2,400.00	2,393.32	2,401.77	2,386.06	8.79	9.01	-122.67	-99.33	-198.07	262.00	244.34	17.66	14.833		
2,500.00	2,492.99	2,502.16	2,484.89	9.17	9.42	-121.51	-96.81	-210.24	269.05	250.60	18.45	14.584		
2,600.00	2,592.67	2,602.55	2,583.72	9.55	9.83	-120.42	-94.29	-222.40	276.19	256.96	19.23	14.362		
2,700.00	2,692.34	2,702.94	2,682.55	9.93	10.25	-119.38	-91.78	-234.57	283.44	263.42	20.01	14.162		
2,800.00	2,792.01	2,803.33	2,781.38	10.31	10.66	-118.39	-89.26	-246.74	290.77	269.97	20.80	13.981		
2,900.00	2,891.69	2,903.72	2,880.21	10.69	11.08	-117.46	-86.74	-258.90	298.18	276.60	21.58	13.818		
3,000.00	2,991.36	3,004.11	2,979.04	11.07	11.49	-116.56	-84.23	-271.07	305.67	283.31	22.36	13.670		
3,100.00	3,091.03	3,104.50	3,077.87	11.45	11.90	-115.71	-81.71	-283.23	313.23	290.09	23.14	13.536		
3,200.00	3,190.71	3,204.90	3,176.70	11.83	12.32	-114.91	-79.20	-295.40	320.85	296.93	23.92	13.413		
3,300.00	3,290.38	3,305.29	3,275.53	12.21	12.73	-114.13	-76.68	-307.57	328.54	303.84	24.70	13.300		
3,400.00	3,390.05	3,405.68	3,374.37	12.59	13.15	-113.40	-74.16	-319.73	336.28	310.80	25.48	13.197		
3,500.00	3,489.73	3,506.07	3,473.20	12.97	13.56	-112.69	-71.65	-331.90	344.07	317.81	26.26	13.103		
3,600.00	3,589.40	3,606.46	3,572.03	13.35	13.98	-112.02	-69.13	-344.07	351.92	324.88	27.04	13.016		
3,700.00	3,689.07	3,706.85	3,670.86	13.73	14.40	-111.38	-66.61	-356.23	359.81	331.99	27.82	12.935		
3,800.00	3,788.75	3,807.24	3,769.69	14.12	14.81	-110.76	-64.10	-368.40	367.74	339.15	28.59	12.861		
3,900.00	3,888.42	3,907.63	3,868.52	14.50	15.23	-110.18	-61.58	-380.57	375.71	346.34	29.37	12.792		
4,000.00	3,988.09	4,008.03	3,967.35	14.88	15.64	-109.61	-59.06	-392.73	383.72	353.58	30.15	12.728		
4,100.00	4,087.77	4,108.42	4,066.18	15.26	16.06	-109.07	-56.55	-404.90	391.77	360.85	30.92	12.669		
4,200.00	4,187.44	4,208.81	4,165.01	15.64	16.47	-108.55	-54.03	-417.06	399.85	368.15	31.70	12.614		
4,300.00	4,287.11	4,309.20	4,263.84	16.02	16.89	-108.05	-51.51	-429.23	407.96	375.49	32.48	12.562		
4,400.00	4,386.79	4,409.59	4,362.67	16.40	17.31	-107.57	-49.00	-441.40	416.10	382.85	33.25	12.514		
4,500.00	4,486.46	4,509.98	4,461.51	16.78	17.72	-107.11	-46.48	-453.56	424.27	390.25	34.03	12.469		
4,600.00	4,586.14	4,589.63	4,560.34	17.16	18.05	-106.67	-43.96	-465.73	432.47	397.75	34.72	12.457		
4,700.00	4,685.81	4,689.23	4,659.17	17.54	18.47	-106.24	-41.45	-477.90	440.69	405.20	35.49	12.418		
4,800.00	4,785.48	4,788.84	4,758.00	17.92	18.88	-105.83	-38.93	-490.06	448.93	412.67	36.26	12.381		
4,900.00	4,885.16	4,888.45	4,856.83	18.30	19.29	-105.43	-36.41	-502.23	457.20	420.17	37.03	12.347		
5,000.00	4,984.83	4,988.06	4,955.66	18.68	19.71	-105.05	-33.90	-514.39	465.48	427.68	37.80	12.314		
5,100.00	5,084.50	5,087.67	5,054.49	19.06	20.12	-104.68	-31.38	-526.56	473.79	435.22	38.57	12.284		

CC - Min centre to center distance or convergent 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 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
5,200.00	5,184.18	5,187.28	5,153.32	19.44	20.53	-104.32	-28.86	-538.73	482.12	442.78	39.34	12.255		
5,300.00	5,283.85	5,286.89	5,252.15	19.82	20.95	-103.98	-26.35	-550.89	490.46	450.35	40.11	12.228		
5,400.00	5,383.52	5,386.50	5,350.98	20.21	21.36	-103.65	-23.83	-563.06	498.82	457.94	40.88	12.202		
5,500.00	5,483.20	5,486.10	5,449.81	20.59	21.77	-103.32	-21.31	-575.23	507.20	465.55	41.65	12.177		
5,600.00	5,582.87	5,585.71	5,548.65	20.97	22.19	-103.01	-18.80	-587.39	515.59	473.17	42.42	12.154		
5,700.00	5,682.54	5,685.32	5,647.48	21.35	22.60	-102.71	-16.28	-599.56	524.00	480.81	43.19	12.133		
5,800.00	5,782.22	5,784.93	5,746.31	21.73	23.01	-102.42	-13.76	-611.73	532.42	488.46	43.96	12.112		
5,900.00	5,881.89	5,884.54	5,845.14	22.11	23.43	-102.14	-11.25	-623.89	540.85	496.12	44.73	12.092		
6,000.00	5,981.56	5,984.15	5,943.97	22.49	23.84	-101.86	-8.73	-636.06	549.30	503.80	45.50	12.074		
6,100.00	6,081.24	6,083.76	6,042.80	22.87	24.25	-101.60	-6.22	-648.22	557.76	511.49	46.26	12.056		
6,200.00	6,180.91	6,183.37	6,141.63	23.25	24.67	-101.34	-3.70	-660.39	566.23	519.19	47.03	12.039		
6,300.00	6,280.58	6,282.97	6,240.46	23.63	25.08	-101.09	-1.18	-672.56	574.71	526.91	47.80	12.023		
6,400.00	6,380.26	6,382.58	6,339.29	24.01	25.49	-100.84	1.33	-684.72	583.20	534.63	48.57	12.007		
6,500.00	6,479.93	6,482.19	6,438.12	24.39	25.91	-100.61	3.85	-696.89	591.70	542.36	49.34	11.993		
6,600.00	6,579.60	6,581.80	6,536.95	24.77	26.32	-100.38	6.37	-709.06	600.21	550.11	50.11	11.979		
6,700.00	6,679.28	6,681.41	6,635.78	25.15	26.73	-100.16	8.88	-721.22	608.74	557.86	50.87	11.966		
6,800.00	6,778.95	6,781.02	6,734.62	25.53	27.15	-99.94	11.40	-733.39	617.27	565.62	51.64	11.953		
6,900.00	6,878.62	6,880.63	6,833.45	25.92	27.56	-99.73	13.92	-745.56	625.80	573.39	52.41	11.941		
7,000.00	6,978.30	6,980.24	6,932.28	26.30	27.98	-99.52	16.43	-757.72	634.35	581.17	53.18	11.929		
7,100.00	7,077.97	7,079.84	7,031.11	26.68	28.39	-99.32	18.95	-769.89	642.91	588.96	53.95	11.918		
7,200.00	7,177.64	7,179.45	7,129.94	27.06	28.80	-99.13	21.47	-782.05	651.47	596.76	54.71	11.907		
7,300.00	7,277.20	7,390.21	7,339.75	27.44	29.55	-72.70	26.62	-792.40	656.94	601.36	55.58	11.820		
7,400.00	7,374.70	7,758.30	7,668.42	27.87	30.00	-77.81	32.71	-841.29	615.77	564.13	51.63	11.926		
7,500.00	7,467.14	7,854.36	7,732.75	28.34	30.10	-89.72	33.40	-570.10	559.69	507.01	52.68	10.624		
7,600.00	7,551.72	7,869.49	7,741.76	28.86	30.13	-94.89	33.47	-557.95	511.95	456.38	55.57	9.213		
7,700.00	7,625.87	7,855.85	7,733.65	29.46	30.10	-95.51	33.41	-568.92	479.79	421.59	58.20	8.244		
7,800.00	7,687.33	7,829.17	7,717.05	30.18	30.07	-93.02	33.26	-589.80	466.39	406.77	59.62	7.822		
7,820.01	7,697.93	7,822.89	7,713.00	30.34	30.06	-92.22	33.22	-594.60	466.02	406.27	59.75	7.800 SF		
7,900.00	7,734.24	7,795.58	7,694.79	31.04	30.03	-88.21	33.02	-614.96	471.72	412.06	59.66	7.907		
8,000.00	7,765.16	7,757.89	7,668.12	32.07	30.00	-81.78	32.70	-641.57	492.82	434.03	58.79	8.383		
8,100.00	7,779.17	7,717.60	7,637.73	33.26	29.97	-74.47	32.29	-668.02	525.16	467.46	57.70	9.101		
8,200.00	7,780.00	7,677.69	7,605.88	34.59	29.94	-69.81	31.81	-692.04	565.66	508.87	56.79	9.960		
8,300.00	7,780.00	7,650.00	7,582.84	36.06	29.92	-67.41	31.44	-707.38	616.18	560.00	56.18	10.968		
8,400.00	7,780.00	7,615.81	7,553.41	37.67	29.89	-64.46	30.94	-724.76	675.29	619.79	55.50	12.166		
8,500.00	7,780.00	7,600.00	7,539.45	39.41	29.88	-63.11	30.70	-732.19	741.64	686.32	55.32	13.407		
8,600.00	7,780.00	7,571.33	7,513.66	41.24	29.85	-60.71	30.23	-744.68	813.51	758.58	54.93	14.810		
8,700.00	7,780.00	7,550.00	7,494.07	43.17	29.82	-58.96	29.86	-753.13	890.02	835.27	54.75	16.256		
8,800.00	7,780.00	7,550.00	7,494.07	45.18	29.82	-58.96	29.86	-753.13	970.31	915.33	54.98	17.647		
8,900.00	7,780.00	7,524.65	7,470.41	47.25	29.79	-56.93	29.40	-762.21	1,053.16	998.38	54.79	19.223		
9,000.00	7,780.00	7,500.00	7,447.04	49.39	29.76	-55.02	28.93	-770.03	1,138.75	1,084.12	54.63	20.845		
9,100.00	7,780.00	7,500.00	7,447.04	51.58	29.76	-55.02	28.93	-770.03	1,225.86	1,171.01	54.85	22.350		
9,200.00	7,780.00	7,500.00	7,447.04	53.81	29.76	-55.02	28.93	-770.03	1,314.80	1,259.77	55.04	23.889		
9,300.00	7,780.00	7,483.97	7,431.67	56.09	29.73	-53.82	28.62	-774.57	1,404.93	1,349.92	55.01	25.540		
9,400.00	7,780.00	7,476.24	7,424.22	58.40	29.72	-53.24	28.46	-776.61	1,496.23	1,441.15	55.08	27.164		
9,500.00	7,780.00	7,469.22	7,417.42	60.74	29.71	-52.73	28.32	-778.37	1,588.45	1,533.30	55.15	28.801		
9,600.00	7,780.00	7,450.00	7,398.72	63.11	29.68	-51.35	27.92	-782.77	1,681.65	1,626.56	55.10	30.522		
9,700.00	7,780.00	7,450.00	7,398.72	65.51	29.68	-51.35	27.92	-782.77	1,775.22	1,719.99	55.23	32.142		
9,800.00	7,780.00	7,450.00	7,398.72	67.93	29.68	-51.35	27.92	-782.77	1,869.45	1,814.10	55.35	33.775		
9,900.00	7,780.00	7,450.00	7,398.72	70.37	29.68	-51.35	27.92	-782.77	1,964.24	1,908.79	55.46	35.419		
10,000.00	7,780.00	7,450.00	7,398.72	72.82	29.68	-51.35	27.92	-782.77	2,059.54	2,003.98	55.56	37.070		
10,100.00	7,780.00	7,450.00	7,398.72	75.30	29.68	-51.35	27.92	-782.77	2,155.25	2,099.61	55.65	38.729		
10,200.00	7,780.00	7,450.00	7,398.72	77.79	29.68	-51.35	27.92	-782.77	2,251.34	2,195.61	55.73	40.394		

CC - Min centre to center distance or convergent 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 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
10,300.00	7,780.00	7,430.17	7,379.28	80.29	29.63	-49.98	27.50	-786.64	2,347.34	2,291.66	55.68	42.160		
10,400.00	7,780.00	7,426.74	7,375.90	82.80	29.63	-49.75	27.43	-787.24	2,443.89	2,388.16	55.73	43.849		
10,500.00	7,780.00	7,423.52	7,372.73	85.32	29.62	-49.53	27.36	-787.79	2,540.69	2,484.89	55.79	45.539		
10,600.00	7,780.00	7,420.51	7,369.76	87.86	29.61	-49.33	27.30	-788.29	2,637.70	2,581.85	55.85	47.230		
10,700.00	7,780.00	7,400.00	7,349.47	90.40	29.57	-47.98	26.84	-791.24	2,735.24	2,679.44	55.79	49.023		
10,800.00	7,780.00	7,400.00	7,349.47	92.95	29.57	-47.98	26.84	-791.24	2,832.54	2,776.67	55.87	50.700		
10,900.00	7,780.00	7,400.00	7,349.47	95.51	29.57	-47.98	26.84	-791.24	2,930.02	2,874.08	55.94	52.378		
11,000.00	7,780.00	7,400.00	7,349.47	98.08	29.57	-47.98	26.84	-791.24	3,027.66	2,971.65	56.01	54.057		
11,100.00	7,780.00	7,400.00	7,349.47	100.66	29.57	-47.98	26.84	-791.24	3,125.46	3,069.38	56.08	55.736		
11,200.00	7,780.00	7,400.00	7,349.47	103.24	29.57	-47.98	26.84	-791.24	3,223.39	3,167.24	56.14	57.416		
11,300.00	7,780.00	7,400.00	7,349.47	105.82	29.57	-47.98	26.84	-791.24	3,321.44	3,265.23	56.20	59.095		
11,400.00	7,780.00	7,400.00	7,349.47	108.41	29.57	-47.98	26.84	-791.24	3,419.60	3,363.34	56.27	60.774		
11,500.00	7,780.00	7,400.00	7,349.47	111.01	29.57	-47.98	26.84	-791.24	3,517.87	3,461.54	56.33	62.452		
11,600.00	7,780.00	7,400.00	7,349.47	113.61	29.57	-47.98	26.84	-791.24	3,616.24	3,559.85	56.39	64.129		
11,700.00	7,780.00	7,400.00	7,349.47	116.21	29.57	-47.98	26.84	-791.24	3,714.69	3,658.24	56.45	65.805		
11,800.00	7,780.00	7,400.00	7,349.47	118.82	29.57	-47.98	26.84	-791.24	3,813.22	3,756.71	56.51	67.479		
11,900.00	7,780.00	7,400.00	7,349.47	121.43	29.57	-47.98	26.84	-791.24	3,911.82	3,855.26	56.57	69.152		
12,000.00	7,780.00	7,400.00	7,349.47	124.05	29.57	-47.98	26.84	-791.24	4,010.50	3,953.87	56.63	70.823		
12,100.00	7,780.00	7,400.00	7,349.47	126.67	29.57	-47.98	26.84	-791.24	4,109.24	4,052.55	56.69	72.491		
12,200.00	7,780.00	7,400.00	7,349.47	129.29	29.57	-47.98	26.84	-791.24	4,208.04	4,151.29	56.74	74.157		
12,300.00	7,780.00	7,400.00	7,349.47	131.92	29.57	-47.98	26.84	-791.24	4,306.89	4,250.09	56.80	75.821		
12,400.00	7,780.00	7,400.00	7,349.47	134.54	29.57	-47.98	26.84	-791.24	4,405.80	4,348.94	56.86	77.483		
12,500.00	7,780.00	7,400.00	7,349.47	137.17	29.57	-47.98	26.84	-791.24	4,504.75	4,447.83	56.92	79.141		
12,600.00	7,780.00	7,400.00	7,349.47	139.81	29.57	-47.98	26.84	-791.24	4,603.75	4,546.77	56.98	80.797		
12,700.00	7,780.00	7,400.00	7,349.47	142.44	29.57	-47.98	26.84	-791.24	4,702.79	4,645.76	57.04	82.450		
12,800.00	7,780.00	7,400.00	7,349.47	145.08	29.57	-47.98	26.84	-791.24	4,801.87	4,744.78	57.10	84.100		
12,900.00	7,780.00	7,400.00	7,349.47	147.72	29.57	-47.98	26.84	-791.24	4,900.99	4,843.84	57.16	85.747		
13,000.00	7,780.00	7,400.00	7,349.47	150.36	29.57	-47.98	26.84	-791.24	5,000.15	4,942.93	57.22	87.391		
13,100.00	7,780.00	7,400.00	7,349.47	153.00	29.57	-47.98	26.84	-791.24	5,099.33	5,042.06	57.28	89.031		
13,200.00	7,780.00	7,400.00	7,349.47	155.65	29.57	-47.98	26.84	-791.24	5,198.55	5,141.22	57.34	90.668		
13,300.00	7,780.00	7,377.70	7,327.31	158.29	29.52	-46.58	26.34	-793.63	5,297.32	5,240.01	57.31	92.433		
13,400.00	7,780.00	7,376.86	7,326.47	160.94	29.52	-46.53	26.32	-793.70	5,396.56	5,339.19	57.37	94.069		
13,500.00	7,780.00	7,376.04	7,325.65	163.59	29.51	-46.48	26.30	-793.77	5,495.83	5,438.40	57.43	95.700		
13,600.00	7,780.00	7,375.25	7,324.87	166.24	29.51	-46.43	26.28	-793.84	5,595.12	5,537.63	57.49	97.328		
13,700.00	7,780.00	7,374.49	7,324.10	168.90	29.51	-46.38	26.27	-793.90	5,694.43	5,636.88	57.55	98.952		
13,800.00	7,780.00	7,373.75	7,323.36	171.55	29.51	-46.33	26.25	-793.96	5,793.77	5,736.16	57.61	100.572		
13,900.00	7,780.00	7,373.03	7,322.65	174.20	29.51	-46.29	26.23	-794.02	5,893.12	5,835.45	57.67	102.187		
14,000.00	7,780.00	7,350.00	7,299.67	176.86	29.45	-44.92	25.70	-795.39	5,992.98	5,935.33	57.65	103.956		
14,100.00	7,780.00	7,350.00	7,299.67	179.52	29.45	-44.92	25.70	-795.39	6,092.35	6,034.63	57.71	105.559		
14,200.00	7,780.00	7,350.00	7,299.67	182.18	29.45	-44.92	25.70	-795.39	6,191.74	6,133.96	57.78	107.158		
14,300.00	7,780.00	7,350.00	7,299.67	184.83	29.45	-44.92	25.70	-795.39	6,291.15	6,233.30	57.85	108.754		
14,400.00	7,780.00	7,350.00	7,299.67	187.49	29.45	-44.92	25.70	-795.39	6,390.57	6,332.66	57.91	110.344		
14,500.00	7,780.00	7,350.00	7,299.67	190.16	29.45	-44.92	25.70	-795.39	6,490.02	6,432.03	57.98	111.931		
14,600.00	7,780.00	7,350.00	7,299.67	192.82	29.45	-44.92	25.70	-795.39	6,589.48	6,531.43	58.05	113.513		
14,700.00	7,780.00	7,350.00	7,299.67	195.48	29.45	-44.92	25.70	-795.39	6,688.96	6,630.84	58.12	115.091		
14,800.00	7,780.00	7,350.00	7,299.67	198.14	29.45	-44.92	25.70	-795.39	6,788.45	6,730.26	58.19	116.664		
14,900.00	7,780.00	7,350.00	7,299.67	200.81	29.45	-44.92	25.70	-795.39	6,887.96	6,829.70	58.26	118.233		
15,000.00	7,780.00	7,350.00	7,299.67	203.47	29.45	-44.92	25.70	-795.39	6,987.48	6,929.15	58.33	119.797		
15,100.00	7,780.00	7,350.00	7,299.67	206.14	29.45	-44.92	25.70	-795.39	7,087.01	7,028.62	58.40	121.356		
15,200.00	7,780.00	7,350.00	7,299.67	208.81	29.45	-44.92	25.70	-795.39	7,186.56	7,128.09	58.47	122.911		
15,300.00	7,780.00	7,350.00	7,299.67	211.48	29.45	-44.92	25.70	-795.39	7,286.12	7,227.58	58.54	124.462		
15,400.00	7,780.00	7,350.00	7,299.67	214.14	29.45	-44.92	25.70	-795.39	7,385.69	7,327.08	58.61	126.007		

CC - Min centre to center distance or convergent 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 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
15,500.00	7,780.00	7,350.00	7,299.67	216.81	29.45	-44.92	25.70	-795.39	7,485.28	7,426.59	58.69	127.548		
15,600.00	7,780.00	7,350.00	7,299.67	219.48	29.45	-44.92	25.70	-795.39	7,584.87	7,526.11	58.76	129.084		
15,700.00	7,780.00	7,350.00	7,299.67	222.15	29.45	-44.92	25.70	-795.39	7,684.48	7,625.64	58.83	130.615		
15,800.00	7,780.00	7,350.00	7,299.67	224.82	29.45	-44.92	25.70	-795.39	7,784.09	7,725.19	58.91	132.141		
15,900.00	7,780.00	7,350.00	7,299.67	227.49	29.45	-44.92	25.70	-795.39	7,883.72	7,824.74	58.98	133.662		
16,000.00	7,780.00	7,350.00	7,299.67	230.16	29.45	-44.92	25.70	-795.39	7,983.35	7,924.29	59.06	135.178		
16,100.00	7,780.00	7,350.00	7,299.67	232.84	29.45	-44.92	25.70	-795.39	8,083.00	8,023.86	59.13	136.690		
16,200.00	7,780.00	7,350.00	7,299.67	235.51	29.45	-44.92	25.70	-795.39	8,182.65	8,123.44	59.21	138.196		
16,300.00	7,780.00	7,350.00	7,299.67	238.18	29.45	-44.92	25.70	-795.39	8,282.31	8,223.02	59.29	139.697		
16,400.00	7,780.00	7,350.00	7,299.67	240.86	29.45	-44.92	25.70	-795.39	8,381.98	8,322.61	59.37	141.193		
16,500.00	7,780.00	7,350.00	7,299.67	243.53	29.45	-44.92	25.70	-795.39	8,481.65	8,422.21	59.44	142.684		
16,600.00	7,780.00	7,350.00	7,299.67	246.20	29.45	-44.92	25.70	-795.39	8,581.34	8,521.82	59.52	144.170		
16,700.00	7,780.00	7,350.00	7,299.67	248.88	29.45	-44.92	25.70	-795.39	8,681.03	8,621.43	59.60	145.651		
16,800.00	7,780.00	7,350.00	7,299.67	251.55	29.45	-44.92	25.70	-795.39	8,780.73	8,721.05	59.68	147.127		
16,900.00	7,780.00	7,350.00	7,299.67	254.23	29.45	-44.92	25.70	-795.39	8,880.43	8,820.67	59.76	148.598		
17,000.00	7,780.00	7,350.00	7,299.67	256.91	29.45	-44.92	25.70	-795.39	8,980.14	8,920.30	59.84	150.063		
17,100.00	7,780.00	7,350.00	7,299.67	259.58	29.45	-44.92	25.70	-795.39	9,079.86	9,019.94	59.92	151.523		
17,200.00	7,780.00	7,350.00	7,299.67	262.26	29.45	-44.92	25.70	-795.39	9,179.59	9,119.58	60.01	152.978		
17,300.00	7,780.00	7,350.00	7,299.67	264.94	29.45	-44.92	25.70	-795.39	9,279.32	9,219.23	60.09	154.427		
17,400.00	7,780.00	7,350.00	7,299.67	267.61	29.45	-44.92	25.70	-795.39	9,379.05	9,318.88	60.17	155.872		
17,500.00	7,780.00	7,350.00	7,299.67	270.29	29.45	-44.92	25.70	-795.39	9,478.79	9,418.54	60.26	157.311		
17,600.00	7,780.00	7,350.00	7,299.67	272.97	29.45	-44.92	25.70	-795.39	9,578.54	9,518.20	60.34	158.745		
17,700.00	7,780.00	7,350.00	7,299.67	275.65	29.45	-44.92	25.70	-795.39	9,678.29	9,617.87	60.42	160.173		
17,800.00	7,780.00	7,350.00	7,299.67	278.33	29.45	-44.92	25.70	-795.39	9,778.05	9,717.54	60.51	161.596		
17,900.00	7,780.00	7,350.00	7,299.67	281.01	29.45	-44.92	25.70	-795.39	9,877.81	9,817.22	60.59	163.014		
18,000.00	7,780.00	7,350.00	7,299.67	283.69	29.45	-44.92	25.70	-795.39	9,977.58	9,916.90	60.68	164.427		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	0.30	-0.30	0.00	0.00	-179.80	-160.28	-0.56	160.28					
100.00	100.00	100.30	99.70	0.13	0.14	-179.80	-160.28	-0.56	160.28	160.01	0.27	593.783		
200.00	200.00	200.30	199.70	0.49	0.49	-179.80	-160.28	-0.56	160.28	159.29	0.99	162.411	CC, ES	
300.00	299.98	300.32	299.68	0.85	0.85	-146.70	-160.28	-0.56	161.74	160.03	1.70	94.899		
400.00	399.84	400.46	399.54	1.22	1.21	-147.64	-160.28	-0.56	166.13	163.71	2.43	68.433		
500.00	499.52	500.78	499.22	1.58	1.57	-149.02	-160.28	-0.56	172.87	169.71	3.15	54.811		
600.00	599.20	601.10	598.90	1.96	1.93	-150.34	-160.28	-0.56	179.84	175.97	3.88	46.400		
700.00	698.87	698.57	698.57	2.33	2.28	-151.57	-160.28	-0.56	186.91	182.32	4.59	40.733		
800.00	798.54	795.77	795.75	2.71	2.62	-152.24	-161.04	-1.97	194.67	189.38	5.29	36.803		
900.00	898.22	892.77	892.62	3.09	2.95	-151.99	-163.35	-6.27	203.75	197.77	5.98	34.050		
1,000.00	997.89	989.37	988.87	3.47	3.29	-150.96	-167.19	-13.42	214.16	207.48	6.68	32.037		
1,100.00	1,097.57	1,085.36	1,084.20	3.85	3.64	-149.28	-172.53	-23.36	226.06	218.67	7.39	30.575		
1,200.00	1,197.24	1,183.25	1,181.11	4.23	4.01	-147.22	-179.10	-35.58	239.25	231.13	8.12	29.452		
1,300.00	1,296.91	1,282.01	1,278.85	4.61	4.39	-145.34	-185.78	-48.00	252.77	243.91	8.87	28.510		
1,400.00	1,396.59	1,380.77	1,376.59	4.99	4.78	-143.65	-192.46	-60.42	266.54	256.93	9.61	27.727		
1,500.00	1,496.26	1,479.52	1,474.33	5.37	5.18	-142.13	-199.14	-72.85	280.51	270.15	10.36	27.065		
1,600.00	1,595.93	1,578.28	1,572.08	5.75	5.59	-140.75	-205.82	-85.27	294.66	283.54	11.12	26.503		
1,700.00	1,695.61	1,677.03	1,669.82	6.13	5.99	-139.49	-212.50	-97.70	308.97	297.09	11.87	26.022		
1,800.00	1,795.28	1,775.79	1,767.56	6.51	6.40	-138.35	-219.18	-110.12	323.40	310.77	12.63	25.606		
1,900.00	1,894.95	1,874.54	1,865.30	6.89	6.82	-137.31	-225.86	-122.54	337.95	324.56	13.39	25.244		
2,000.00	1,994.63	1,973.30	1,963.05	7.27	7.23	-136.35	-232.54	-134.97	352.60	338.46	14.15	24.928		
2,100.00	2,094.30	2,072.05	2,060.79	7.65	7.65	-135.47	-239.22	-147.39	367.34	352.44	14.90	24.648		
2,200.00	2,193.97	2,170.81	2,158.53	8.03	8.06	-134.65	-245.89	-159.81	382.16	366.50	15.66	24.400		
2,300.00	2,293.65	2,269.56	2,256.28	8.41	8.48	-133.90	-252.57	-172.24	397.05	380.63	16.42	24.180		
2,400.00	2,393.32	2,368.32	2,354.02	8.79	8.90	-133.20	-259.25	-184.66	412.00	394.82	17.18	23.982		
2,500.00	2,492.99	2,467.07	2,451.76	9.17	9.32	-132.55	-265.93	-197.09	427.01	409.07	17.94	23.804		
2,600.00	2,592.67	2,565.83	2,549.50	9.55	9.74	-131.95	-272.61	-209.51	442.07	423.37	18.70	23.643		
2,700.00	2,692.34	2,664.58	2,647.25	9.93	10.17	-131.38	-279.29	-221.93	457.17	437.72	19.46	23.496		
2,800.00	2,792.01	2,763.34	2,744.99	10.31	10.59	-130.85	-285.97	-234.36	472.32	452.10	20.22	23.363		
2,900.00	2,891.69	2,862.09	2,842.73	10.69	11.01	-130.36	-292.65	-246.78	487.50	466.52	20.98	23.242		
3,000.00	2,991.36	2,960.85	2,940.47	11.07	11.44	-129.89	-299.33	-259.21	502.71	480.98	21.73	23.130		
3,100.00	3,091.03	3,059.61	3,038.22	11.45	11.86	-129.45	-306.01	-271.63	517.96	495.46	22.49	23.027		
3,200.00	3,190.71	3,158.36	3,135.96	11.83	12.29	-129.04	-312.69	-284.05	533.23	509.98	23.25	22.933		
3,300.00	3,290.38	3,257.12	3,233.70	12.21	12.71	-128.64	-319.37	-296.48	548.53	524.52	24.01	22.845		
3,400.00	3,390.05	3,355.87	3,331.45	12.59	13.14	-128.27	-326.05	-308.90	563.85	539.08	24.77	22.764		
3,500.00	3,489.73	3,454.63	3,429.19	12.97	13.56	-127.92	-332.73	-321.33	579.20	553.67	25.53	22.688		
3,600.00	3,589.40	3,553.38	3,526.93	13.35	13.99	-127.59	-339.41	-333.75	594.56	568.27	26.29	22.618		
3,700.00	3,689.07	3,652.14	3,624.67	13.73	14.42	-127.28	-346.08	-346.17	609.94	582.90	27.05	22.552		
3,800.00	3,788.75	3,750.89	3,722.42	14.12	14.84	-126.98	-352.76	-358.60	625.35	597.54	27.80	22.491		
3,900.00	3,888.42	3,849.65	3,820.16	14.50	15.27	-126.69	-359.44	-371.02	640.76	612.20	28.56	22.433		
4,000.00	3,988.09	3,948.40	3,917.90	14.88	15.70	-126.42	-366.12	-383.45	656.19	626.87	29.32	22.379		
4,100.00	4,087.77	4,047.16	4,015.64	15.26	16.12	-126.16	-372.80	-395.87	671.64	641.56	30.08	22.328		
4,200.00	4,187.44	4,145.91	4,113.39	15.64	16.55	-125.91	-379.48	-408.29	687.10	656.26	30.84	22.280		
4,300.00	4,287.11	4,244.67	4,211.13	16.02	16.98	-125.67	-386.16	-420.72	702.56	670.97	31.60	22.235		
4,400.00	4,386.79	4,343.42	4,308.87	16.40	17.40	-125.45	-392.84	-433.14	718.05	685.69	32.36	22.192		
4,500.00	4,486.46	4,442.18	4,406.62	16.78	17.83	-125.23	-399.52	-445.57	733.54	700.42	33.11	22.151		
4,600.00	4,586.14	4,540.94	4,504.36	17.16	18.26	-125.02	-406.20	-457.99	749.04	715.17	33.87	22.113		
4,700.00	4,685.81	4,639.69	4,602.10	17.54	18.69	-124.82	-412.88	-470.41	764.55	729.92	34.63	22.076		
4,800.00	4,785.48	4,738.45	4,699.84	17.92	19.11	-124.63	-419.56	-482.84	780.07	744.68	35.39	22.042		
4,900.00	4,885.16	4,837.20	4,797.59	18.30	19.54	-124.44	-426.24	-495.26	795.60	759.45	36.15	22.009		
5,000.00	4,984.83	4,935.96	4,895.33	18.68	19.97	-124.27	-432.92	-507.68	811.13	774.22	36.91	21.978		
5,100.00	5,084.50	5,034.71	4,993.07	19.06	20.40	-124.10	-439.59	-520.11	826.67	789.01	37.67	21.948		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
5,200.00	5,184.18	5,133.47	5,090.82	19.44	20.83	-123.93	-446.27	-532.53	842.22	803.80	38.42	21.919		
5,300.00	5,283.85	5,232.22	5,188.56	19.82	21.26	-123.77	-452.95	-544.96	857.78	818.60	39.18	21.892		
5,400.00	5,383.52	5,330.98	5,286.30	20.21	21.68	-123.62	-459.63	-557.38	873.34	833.40	39.94	21.866		
5,500.00	5,483.20	5,429.73	5,384.04	20.59	22.11	-123.47	-466.31	-569.80	888.91	848.21	40.70	21.841		
5,600.00	5,582.87	5,528.49	5,481.79	20.97	22.54	-123.33	-472.99	-582.23	904.48	863.03	41.46	21.817		
5,700.00	5,682.54	5,627.24	5,579.53	21.35	22.97	-123.19	-479.67	-594.65	920.06	877.85	42.22	21.794		
5,800.00	5,782.22	5,726.00	5,677.27	21.73	23.40	-123.06	-486.35	-607.08	935.65	892.67	42.97	21.772		
5,900.00	5,881.89	5,824.75	5,775.01	22.11	23.83	-122.93	-493.03	-619.50	951.24	907.50	43.73	21.751		
6,000.00	5,981.56	5,923.51	5,872.76	22.49	24.25	-122.81	-499.71	-631.92	966.83	922.34	44.49	21.731		
6,100.00	6,081.24	6,022.26	5,970.50	22.87	24.68	-122.69	-506.39	-644.35	982.43	937.18	45.25	21.711		
6,200.00	6,180.91	6,121.02	6,068.24	23.25	25.11	-122.57	-513.07	-656.77	998.03	952.02	46.01	21.692		
6,300.00	6,280.58	6,219.78	6,165.99	23.63	25.54	-122.46	-519.75	-669.20	1,013.63	966.87	46.77	21.674		
6,400.00	6,380.26	6,318.53	6,263.73	24.01	25.97	-122.35	-526.43	-681.62	1,029.24	981.72	47.53	21.657		
6,500.00	6,479.93	6,417.29	6,361.47	24.39	26.40	-122.24	-533.10	-694.04	1,044.86	996.57	48.28	21.640		
6,600.00	6,579.60	6,516.04	6,459.21	24.77	26.83	-122.14	-539.78	-706.47	1,060.47	1,011.43	49.04	21.623		
6,700.00	6,679.28	6,614.80	6,556.96	25.15	27.26	-122.04	-546.46	-718.89	1,076.09	1,026.29	49.80	21.608		
6,800.00	6,778.95	6,713.55	6,654.70	25.53	27.69	-121.94	-553.14	-731.32	1,091.72	1,041.16	50.56	21.593		
6,900.00	6,878.62	6,812.31	6,752.44	25.92	28.11	-121.84	-559.82	-743.74	1,107.34	1,056.02	51.32	21.578		
7,000.00	6,978.30	6,911.06	6,850.18	26.30	28.54	-121.75	-566.50	-756.16	1,122.97	1,070.89	52.08	21.564		
7,100.00	7,077.97	7,009.82	6,947.93	26.68	28.97	-121.66	-573.18	-768.59	1,138.60	1,085.77	52.84	21.550		
7,200.00	7,177.64	7,108.57	7,045.67	27.06	29.40	-121.58	-579.86	-781.01	1,154.24	1,100.64	53.59	21.537		
7,300.00	7,277.20	7,238.14	7,174.03	27.44	29.95	-93.75	-588.65	-796.10	1,169.08	1,114.52	54.56	21.428		
7,400.00	7,374.70	7,639.91	7,550.23	27.87	30.62	-87.53	-616.27	-683.74	1,161.78	1,106.32	55.46	20.948		
7,500.00	7,467.14	7,500.00	7,624.88	28.34	30.59	-89.17	-622.29	-616.53	1,143.82	1,087.70	56.13	20.380		
7,600.00	7,551.72	7,787.91	7,655.91	28.86	30.66	-90.83	-624.89	-581.08	1,130.02	1,072.58	57.44	19.672		
7,700.00	7,625.87	7,779.51	7,650.65	29.46	30.66	-89.96	-624.44	-587.61	1,123.09	1,064.71	58.38	19.237		
7,748.60	7,657.45	7,769.34	7,644.15	29.80	30.66	-89.16	-623.89	-595.41	1,122.28	1,063.49	58.79	19.090		
7,800.00	7,687.33	7,755.88	7,633.34	30.18	30.65	-88.10	-623.16	-605.56	1,123.15	1,064.01	59.14	18.991		
7,900.00	7,734.24	7,724.29	7,613.75	31.04	30.64	-85.54	-621.37	-628.55	1,129.42	1,069.62	59.79	18.889		
8,000.00	7,765.16	7,688.05	7,587.47	32.07	30.64	-82.53	-619.24	-653.39	1,140.68	1,080.27	60.42	18.880 SF		
8,100.00	7,779.17	7,650.00	7,558.24	33.26	30.62	-79.34	-616.91	-677.64	1,155.54	1,094.46	61.08	18.919		
8,200.00	7,780.00	7,610.01	7,525.86	34.59	30.61	-77.22	-614.36	-700.96	1,173.72	1,111.95	61.77	19.001		
8,300.00	7,780.00	7,577.36	7,498.28	36.06	30.59	-75.85	-612.23	-718.29	1,198.12	1,135.63	62.49	19.174		
8,400.00	7,780.00	7,550.00	7,474.44	37.67	30.57	-74.68	-610.41	-731.57	1,228.95	1,165.76	63.19	19.450		
8,500.00	7,780.00	7,526.87	7,453.80	39.41	30.55	-73.68	-608.84	-741.90	1,266.01	1,202.17	63.84	19.831		
8,600.00	7,780.00	7,500.00	7,429.33	41.24	30.53	-72.50	-607.00	-752.84	1,309.02	1,244.66	64.37	20.337		
8,700.00	7,780.00	7,500.00	7,429.33	43.17	30.53	-72.50	-607.00	-752.84	1,357.51	1,292.44	65.08	20.861		
8,800.00	7,780.00	7,475.21	7,406.33	45.18	30.50	-71.40	-605.28	-761.90	1,410.89	1,345.45	65.44	21.561		
8,900.00	7,780.00	7,450.00	7,382.55	47.25	30.47	-70.28	-603.52	-770.09	1,469.03	1,403.33	65.70	22.358		
9,000.00	7,780.00	7,450.00	7,382.55	49.39	30.47	-70.28	-603.52	-770.09	1,530.98	1,464.82	66.16	23.139		
9,100.00	7,780.00	7,450.00	7,382.55	51.58	30.47	-70.28	-603.52	-770.09	1,596.79	1,530.25	66.55	23.996		
9,200.00	7,780.00	7,431.40	7,364.78	53.81	30.44	-69.44	-602.22	-775.45	1,665.69	1,599.01	66.68	24.981		
9,300.00	7,780.00	7,423.19	7,356.89	56.09	30.42	-69.08	-601.64	-777.63	1,737.55	1,670.68	66.87	25.985		
9,400.00	7,780.00	7,400.00	7,334.44	58.40	30.38	-68.04	-600.01	-783.18	1,812.21	1,745.34	66.86	27.103		
9,500.00	7,780.00	7,400.00	7,334.44	60.74	30.38	-68.04	-600.01	-783.18	1,888.74	1,821.68	67.06	28.167		
9,600.00	7,780.00	7,400.00	7,334.44	63.11	30.38	-68.04	-600.01	-783.18	1,967.37	1,900.16	67.21	29.272		
9,700.00	7,780.00	7,400.00	7,334.44	65.51	30.38	-68.04	-600.01	-783.18	2,047.88	1,980.54	67.34	30.412		
9,800.00	7,780.00	7,400.00	7,334.44	67.93	30.38	-68.04	-600.01	-783.18	2,130.03	2,062.59	67.44	31.585		
9,900.00	7,780.00	7,400.00	7,334.44	70.37	30.38	-68.04	-600.01	-783.18	2,213.65	2,146.14	67.52	32.786		
10,000.00	7,780.00	7,400.00	7,334.44	72.82	30.38	-68.04	-600.01	-783.18	2,298.59	2,231.00	67.58	34.011		
10,100.00	7,780.00	7,378.96	7,313.89	75.30	30.34	-67.10	-598.52	-787.43	2,384.25	2,316.78	67.47	35.338		
10,200.00	7,780.00	7,375.18	7,310.18	77.79	30.33	-66.93	-598.25	-788.11	2,471.23	2,403.74	67.49	36.619		

CC - Min centre to center distance or convergent 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 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
10,300.00	7,780.00	7,371.66	7,306.72	80.29	30.33	-66.78	-598.00	-788.72	2,559.13	2,491.64	67.50	37.915		
10,400.00	7,780.00	7,350.00	7,285.37	82.80	30.28	-65.82	-596.47	-792.02	2,648.21	2,580.85	67.36	39.314		
10,500.00	7,780.00	7,350.00	7,285.37	85.32	30.28	-65.82	-596.47	-792.02	2,737.60	2,670.21	67.39	40.624		
10,600.00	7,780.00	7,350.00	7,285.37	87.86	30.28	-65.82	-596.47	-792.02	2,827.71	2,760.29	67.41	41.946		
10,700.00	7,780.00	7,350.00	7,285.37	90.40	30.28	-65.82	-596.47	-792.02	2,918.46	2,851.02	67.43	43.279		
10,800.00	7,780.00	7,350.00	7,285.37	92.95	30.28	-65.82	-596.47	-792.02	3,009.79	2,942.34	67.45	44.623		
10,900.00	7,780.00	7,350.00	7,285.37	95.51	30.28	-65.82	-596.47	-792.02	3,101.67	3,034.20	67.46	45.976		
11,000.00	7,780.00	7,350.00	7,285.37	98.08	30.28	-65.82	-596.47	-792.02	3,194.02	3,126.55	67.47	47.337		
11,100.00	7,780.00	7,350.00	7,285.37	100.66	30.28	-65.82	-596.47	-792.02	3,286.83	3,219.35	67.48	48.705		
11,200.00	7,780.00	7,350.00	7,285.37	103.24	30.28	-65.82	-596.47	-792.02	3,380.05	3,312.55	67.49	50.080		
11,300.00	7,780.00	7,350.00	7,285.37	105.82	30.28	-65.82	-596.47	-792.02	3,473.64	3,406.14	67.50	51.460		
11,400.00	7,780.00	7,350.00	7,285.37	108.41	30.28	-65.82	-596.47	-792.02	3,567.58	3,500.08	67.51	52.846		
11,500.00	7,780.00	7,350.00	7,285.37	111.01	30.28	-65.82	-596.47	-792.02	3,661.85	3,594.33	67.52	54.236		
11,600.00	7,780.00	7,350.00	7,285.37	113.61	30.28	-65.82	-596.47	-792.02	3,756.41	3,688.88	67.52	55.630		
11,700.00	7,780.00	7,350.00	7,285.37	116.21	30.28	-65.82	-596.47	-792.02	3,851.24	3,783.71	67.53	57.028		
11,800.00	7,780.00	7,350.00	7,285.37	118.82	30.28	-65.82	-596.47	-792.02	3,946.33	3,878.79	67.54	58.429		
11,900.00	7,780.00	7,350.00	7,285.37	121.43	30.28	-65.82	-596.47	-792.02	4,041.66	3,974.11	67.55	59.832		
12,000.00	7,780.00	7,350.00	7,285.37	124.05	30.28	-65.82	-596.47	-792.02	4,137.20	4,069.65	67.56	61.238		
12,100.00	7,780.00	7,350.00	7,285.37	126.67	30.28	-65.82	-596.47	-792.02	4,232.96	4,165.39	67.57	62.646		
12,200.00	7,780.00	7,350.00	7,285.37	129.29	30.28	-65.82	-596.47	-792.02	4,328.90	4,261.32	67.58	64.056		
12,300.00	7,780.00	7,350.00	7,285.37	131.92	30.28	-65.82	-596.47	-792.02	4,425.03	4,357.44	67.59	65.467		
12,400.00	7,780.00	7,350.00	7,285.37	134.54	30.28	-65.82	-596.47	-792.02	4,521.32	4,453.72	67.60	66.880		
12,500.00	7,780.00	7,350.00	7,285.37	137.17	30.28	-65.82	-596.47	-792.02	4,617.77	4,550.15	67.62	68.293		
12,600.00	7,780.00	7,327.96	7,263.53	139.81	30.23	-64.85	-594.92	-794.55	4,713.90	4,646.40	67.51	69.829		
12,700.00	7,780.00	7,326.92	7,262.50	142.44	30.23	-64.80	-594.84	-794.65	4,810.60	4,743.08	67.52	71.250		
12,800.00	7,780.00	7,325.92	7,261.50	145.08	30.22	-64.76	-594.77	-794.74	4,907.42	4,839.89	67.53	72.672		
12,900.00	7,780.00	7,324.95	7,260.54	147.72	30.22	-64.71	-594.70	-794.83	5,004.37	4,936.83	67.54	74.093		
13,000.00	7,780.00	7,324.02	7,259.62	150.36	30.22	-64.67	-594.64	-794.91	5,101.43	5,033.87	67.56	75.514		
13,100.00	7,780.00	7,323.13	7,258.73	153.00	30.22	-64.63	-594.58	-794.99	5,198.60	5,131.03	67.57	76.935		
13,200.00	7,780.00	7,322.26	7,257.87	155.65	30.21	-64.60	-594.52	-795.07	5,295.88	5,228.29	67.59	78.355		
13,300.00	7,780.00	7,300.00	7,235.71	158.29	30.16	-63.63	-592.95	-796.54	5,393.69	5,326.20	67.49	79.922		
13,400.00	7,780.00	7,300.00	7,235.71	160.94	30.16	-63.63	-592.95	-796.54	5,491.12	5,423.61	67.51	81.336		
13,500.00	7,780.00	7,300.00	7,235.71	163.59	30.16	-63.63	-592.95	-796.54	5,588.65	5,521.11	67.54	82.750		
13,600.00	7,780.00	7,300.00	7,235.71	166.24	30.16	-63.63	-592.95	-796.54	5,686.26	5,618.70	67.56	84.162		
13,700.00	7,780.00	7,300.00	7,235.71	168.90	30.16	-63.63	-592.95	-796.54	5,783.95	5,716.36	67.59	85.574		
13,800.00	7,780.00	7,300.00	7,235.71	171.55	30.16	-63.63	-592.95	-796.54	5,881.73	5,814.11	67.62	86.984		
13,900.00	7,780.00	7,300.00	7,235.71	174.20	30.16	-63.63	-592.95	-796.54	5,979.57	5,911.92	67.65	88.394		
14,000.00	7,780.00	7,300.00	7,235.71	176.86	30.16	-63.63	-592.95	-796.54	6,077.49	6,009.81	67.68	89.801		
14,100.00	7,780.00	7,300.00	7,235.71	179.52	30.16	-63.63	-592.95	-796.54	6,175.47	6,107.76	67.71	91.208		
14,200.00	7,780.00	7,300.00	7,235.71	182.18	30.16	-63.63	-592.95	-796.54	6,273.51	6,205.77	67.74	92.613		
14,300.00	7,780.00	7,300.00	7,235.71	184.83	30.16	-63.63	-592.95	-796.54	6,371.62	6,303.85	67.77	94.016		
14,400.00	7,780.00	7,300.00	7,235.71	187.49	30.16	-63.63	-592.95	-796.54	6,469.78	6,401.98	67.81	95.417		
14,500.00	7,780.00	7,300.00	7,235.71	190.16	30.16	-63.63	-592.95	-796.54	6,568.00	6,500.16	67.84	96.816		
14,600.00	7,780.00	7,300.00	7,235.71	192.82	30.16	-63.63	-592.95	-796.54	6,666.27	6,598.40	67.87	98.214		
14,700.00	7,780.00	7,300.00	7,235.71	195.48	30.16	-63.63	-592.95	-796.54	6,764.60	6,696.69	67.91	99.610		
14,800.00	7,780.00	7,300.00	7,235.71	198.14	30.16	-63.63	-592.95	-796.54	6,862.97	6,795.02	67.95	101.003		
14,900.00	7,780.00	7,300.00	7,235.71	200.81	30.16	-63.63	-592.95	-796.54	6,961.39	6,893.40	67.99	102.394		
15,000.00	7,780.00	7,300.00	7,235.71	203.47	30.16	-63.63	-592.95	-796.54	7,059.85	6,991.82	68.02	103.784		
15,100.00	7,780.00	7,300.00	7,235.71	206.14	30.16	-63.63	-592.95	-796.54	7,158.35	7,090.29	68.06	105.170		
15,200.00	7,780.00	7,300.00	7,235.71	208.81	30.16	-63.63	-592.95	-796.54	7,256.90	7,188.79	68.10	106.555		
15,300.00	7,780.00	7,300.00	7,235.71	211.48	30.16	-63.63	-592.95	-796.54	7,355.48	7,287.34	68.15	107.937		
15,400.00	7,780.00	7,300.00	7,235.71	214.14	30.16	-63.63	-592.95	-796.54	7,454.11	7,385.92	68.19	109.317		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<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 3CH - 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	7,780.00	7,300.00	7,235.71	216.81	30.16	-63.63	-592.95	-796.54	7,552.77	7,484.54	68.23	110.694	
15,600.00	7,780.00	7,300.00	7,235.71	219.48	30.16	-63.63	-592.95	-796.54	7,651.46	7,583.19	68.27	112.069	
15,700.00	7,780.00	7,300.00	7,235.71	222.15	30.16	-63.63	-592.95	-796.54	7,750.19	7,681.87	68.32	113.441	
15,800.00	7,780.00	7,300.00	7,235.71	224.82	30.16	-63.63	-592.95	-796.54	7,848.95	7,780.58	68.36	114.810	
15,900.00	7,780.00	7,300.00	7,235.71	227.49	30.16	-63.63	-592.95	-796.54	7,947.74	7,879.33	68.41	116.176	
16,000.00	7,780.00	7,300.00	7,235.71	230.16	30.16	-63.63	-592.95	-796.54	8,046.56	7,978.10	68.46	117.540	
16,100.00	7,780.00	7,300.00	7,235.71	232.84	30.16	-63.63	-592.95	-796.54	8,145.41	8,076.90	68.51	118.901	
16,200.00	7,780.00	7,300.00	7,235.71	235.51	30.16	-63.63	-592.95	-796.54	8,244.28	8,175.73	68.55	120.260	
16,300.00	7,780.00	7,300.00	7,235.71	238.18	30.16	-63.63	-592.95	-796.54	8,343.19	8,274.59	68.60	121.615	
16,400.00	7,780.00	7,300.00	7,235.71	240.86	30.16	-63.63	-592.95	-796.54	8,442.12	8,373.46	68.65	122.967	
16,500.00	7,780.00	7,300.00	7,235.71	243.53	30.16	-63.63	-592.95	-796.54	8,541.07	8,472.37	68.70	124.317	
16,600.00	7,780.00	7,300.00	7,235.71	246.20	30.16	-63.63	-592.95	-796.54	8,640.05	8,571.30	68.76	125.663	
16,700.00	7,780.00	7,300.00	7,235.71	248.88	30.16	-63.63	-592.95	-796.54	8,739.05	8,670.25	68.81	127.006	
16,800.00	7,780.00	7,300.00	7,235.71	251.55	30.16	-63.63	-592.95	-796.54	8,838.08	8,769.22	68.86	128.347	
16,900.00	7,780.00	7,300.00	7,235.71	254.23	30.16	-63.63	-592.95	-796.54	8,937.12	8,868.21	68.91	129.684	
17,000.00	7,780.00	7,300.00	7,235.71	256.91	30.16	-63.63	-592.95	-796.54	9,036.19	8,967.22	68.97	131.018	
17,100.00	7,780.00	7,300.00	7,235.71	259.58	30.16	-63.63	-592.95	-796.54	9,135.28	9,066.25	69.02	132.349	
17,200.00	7,780.00	7,300.00	7,235.71	262.26	30.16	-63.63	-592.95	-796.54	9,234.39	9,165.30	69.08	133.676	
17,300.00	7,780.00	7,300.00	7,235.71	264.94	30.16	-63.63	-592.95	-796.54	9,333.51	9,264.37	69.14	135.000	
17,400.00	7,780.00	7,300.00	7,235.71	267.61	30.16	-63.63	-592.95	-796.54	9,432.66	9,363.46	69.19	136.322	
17,500.00	7,780.00	7,300.00	7,235.71	270.29	30.16	-63.63	-592.95	-796.54	9,531.82	9,462.57	69.25	137.639	
17,600.00	7,780.00	7,300.00	7,235.71	272.97	30.16	-63.63	-592.95	-796.54	9,631.00	9,561.69	69.31	138.954	
17,700.00	7,780.00	7,300.00	7,235.71	275.65	30.16	-63.63	-592.95	-796.54	9,730.19	9,660.82	69.37	140.265	
17,800.00	7,780.00	7,300.00	7,235.71	278.33	30.16	-63.63	-592.95	-796.54	9,829.41	9,759.98	69.43	141.573	
17,900.00	7,780.00	7,300.00	7,235.71	281.01	30.16	-63.63	-592.95	-796.54	9,928.64	9,859.15	69.49	142.877	

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	46.77	46.77	0.00	0.06	-130.01	-1,138.74	-1,356.69	1,771.27					
100.00	100.00	144.09	144.09	0.13	0.32	-130.00	-1,139.10	-1,357.29	1,771.98	1,771.52	0.46	3,854.500		
200.00	200.00	247.21	247.20	0.49	0.69	-129.99	-1,139.18	-1,357.92	1,772.49	1,771.31	1.19	1,494.280		
300.00	299.98	346.84	346.83	0.85	1.05	-96.60	-1,139.20	-1,358.49	1,773.15	1,771.25	1.90	933.029		
400.00	399.84	446.69	446.68	1.22	1.41	-96.73	-1,139.32	-1,359.02	1,774.24	1,771.62	2.62	677.284		
500.00	499.52	548.40	548.39	1.58	1.77	-96.98	-1,139.52	-1,359.40	1,775.60	1,772.25	3.35	529.536		
600.00	599.20	648.53	648.52	1.96	2.13	-97.24	-1,139.75	-1,359.65	1,776.95	1,772.86	4.08	435.026		
700.00	698.87	748.03	748.02	2.33	2.48	-97.50	-1,140.03	-1,359.88	1,778.34	1,773.52	4.82	369.284		
800.00	798.54	848.23	848.22	2.71	2.84	-97.76	-1,140.29	-1,360.07	1,779.73	1,774.18	5.55	320.657		
900.00	898.22	947.11	947.10	3.09	3.19	-98.02	-1,140.58	-1,360.26	1,781.18	1,774.90	6.28	283.575		
1,000.00	997.89	1,046.66	1,046.65	3.47	3.55	-98.27	-1,140.86	-1,360.51	1,782.71	1,775.69	7.02	254.099		
1,100.00	1,097.57	1,146.78	1,146.77	3.85	3.91	-98.53	-1,141.09	-1,360.77	1,784.24	1,776.48	7.75	230.121		
1,200.00	1,197.24	1,246.19	1,246.17	4.23	4.27	-98.79	-1,141.32	-1,361.03	1,785.81	1,777.32	8.49	210.374		
1,300.00	1,296.91	1,346.05	1,346.03	4.61	4.62	-99.04	-1,141.62	-1,361.23	1,787.42	1,778.19	9.22	193.758		
1,400.00	1,396.59	1,446.83	1,446.82	4.99	4.98	-99.31	-1,141.95	-1,361.37	1,789.03	1,779.07	9.96	179.565		
1,500.00	1,496.26	1,544.93	1,544.92	5.37	5.33	-99.56	-1,142.31	-1,361.45	1,790.67	1,779.98	10.69	167.491		
1,600.00	1,595.93	1,642.61	1,642.60	5.75	5.68	-99.82	-1,142.76	-1,361.60	1,792.46	1,781.04	11.42	156.977		
1,700.00	1,695.61	1,741.02	1,741.00	6.13	6.03	-100.08	-1,143.32	-1,361.77	1,794.38	1,782.23	12.15	147.700		
1,800.00	1,795.28	1,840.73	1,840.71	6.51	6.38	-100.34	-1,143.97	-1,361.91	1,796.37	1,783.48	12.88	139.435		
1,900.00	1,894.95	1,940.27	1,940.25	6.89	6.74	-100.61	-1,144.59	-1,362.07	1,798.39	1,784.78	13.62	132.062		
2,000.00	1,994.63	2,039.69	2,039.66	7.27	7.09	-100.87	-1,145.18	-1,362.28	1,800.47	1,786.12	14.35	125.445		
2,100.00	2,094.30	2,139.15	2,139.13	7.65	7.45	-101.12	-1,145.76	-1,362.52	1,802.59	1,787.50	15.09	119.471		
2,200.00	2,193.97	2,239.80	2,239.77	8.03	7.81	-101.38	-1,146.31	-1,362.77	1,804.74	1,788.91	15.83	114.022		
2,300.00	2,293.65	2,360.37	2,360.34	8.41	8.24	-101.68	-1,146.28	-1,363.19	1,806.64	1,790.01	16.63	108.626		
2,400.00	2,393.32	2,530.03	2,529.86	8.79	8.80	-101.96	-1,139.80	-1,363.20	1,805.48	1,787.92	17.57	102.783		
2,500.00	2,492.99	2,642.58	2,642.18	9.17	9.18	-102.10	-1,132.76	-1,362.42	1,802.21	1,783.90	18.31	98.401		
2,600.00	2,592.67	2,750.28	2,749.63	9.55	9.54	-102.23	-1,125.42	-1,361.56	1,798.49	1,779.43	19.05	94.401		
2,700.00	2,692.34	2,839.39	2,838.53	9.93	9.84	-102.34	-1,119.37	-1,360.71	1,794.69	1,774.95	19.74	90.937		
2,800.00	2,792.01	2,931.33	2,930.31	10.31	10.16	-102.46	-1,113.91	-1,360.08	1,791.68	1,771.25	20.43	87.701		
2,900.00	2,891.69	3,031.76	3,030.56	10.69	10.50	-102.60	-1,108.03	-1,359.45	1,788.78	1,767.63	21.15	84.574		
3,000.00	2,991.36	3,136.55	3,135.15	11.07	10.86	-102.73	-1,101.61	-1,358.87	1,785.76	1,763.87	21.89	81.591		
3,100.00	3,091.03	3,237.10	3,235.50	11.45	11.21	-102.86	-1,095.28	-1,358.18	1,782.52	1,759.91	22.61	78.834		
3,200.00	3,190.71	3,332.09	3,330.31	11.83	11.54	-102.99	-1,089.53	-1,357.48	1,779.43	1,756.11	23.32	76.305		
3,300.00	3,290.38	3,414.41	3,412.49	12.21	11.83	-103.09	-1,084.64	-1,357.46	1,776.95	1,752.95	23.99	74.067		
3,400.00	3,390.05	3,507.05	3,504.97	12.59	12.15	-103.18	-1,079.26	-1,358.50	1,775.33	1,750.63	24.70	71.888		
3,500.00	3,489.73	3,607.60	3,605.35	12.97	12.51	-103.28	-1,073.48	-1,359.69	1,773.81	1,748.38	25.43	69.760		
3,600.00	3,589.40	3,717.21	3,714.78	13.35	12.89	-103.41	-1,067.46	-1,360.28	1,772.04	1,745.85	26.19	67.667		
3,700.00	3,689.07	3,820.14	3,817.57	13.73	13.25	-103.57	-1,062.18	-1,359.80	1,769.85	1,742.93	26.93	65.732		
3,800.00	3,788.75	3,925.45	3,922.73	14.12	13.63	-103.73	-1,056.59	-1,359.15	1,767.45	1,739.78	27.67	63.875		
3,900.00	3,888.42	4,026.76	4,023.89	14.50	13.98	-103.88	-1,051.04	-1,358.40	1,764.85	1,736.44	28.40	62.134		
4,000.00	3,988.09	4,123.02	4,120.01	14.88	14.32	-104.04	-1,045.98	-1,357.52	1,762.31	1,733.19	29.12	60.515		
4,100.00	4,087.77	4,217.10	4,213.95	15.26	14.66	-104.17	-1,040.86	-1,357.35	1,760.14	1,730.30	29.83	58.997		
4,200.00	4,187.44	4,318.34	4,315.02	15.64	15.02	-104.29	-1,034.98	-1,357.60	1,757.99	1,727.42	30.57	57.505		
4,300.00	4,287.11	4,411.64	4,408.18	16.02	15.35	-104.41	-1,029.73	-1,357.86	1,756.02	1,724.74	31.28	56.133		
4,400.00	4,386.79	4,507.73	4,504.15	16.40	15.70	-104.54	-1,024.92	-1,358.19	1,754.54	1,722.54	32.00	54.823		
4,500.00	4,486.46	4,618.64	4,614.89	16.78	16.09	-104.69	-1,018.96	-1,358.26	1,752.62	1,719.84	32.77	53.479		
4,600.00	4,586.14	4,714.86	4,710.99	17.16	16.44	-104.85	-1,014.03	-1,357.75	1,750.51	1,717.02	33.49	52.265		
4,700.00	4,685.81	4,827.72	4,823.71	17.54	16.84	-105.03	-1,008.46	-1,357.12	1,748.57	1,714.30	34.27	51.030		
4,800.00	4,785.48	4,934.35	4,930.14	17.92	17.22	-105.19	-1,002.11	-1,356.09	1,745.55	1,710.53	35.02	49.846		
4,900.00	4,885.16	5,023.97	5,019.62	18.30	17.54	-105.34	-997.17	-1,355.08	1,742.79	1,707.07	35.72	48.791		
5,000.00	4,984.83	5,110.02	5,105.56	18.68	17.85	-105.48	-992.95	-1,354.46	1,740.77	1,704.36	36.41	47.811		
5,100.00	5,084.50	5,201.85	5,197.26	19.06	18.18	-105.59	-988.09	-1,355.18	1,739.46	1,702.34	37.12	46.863		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	5,184.18	5,292.42	5,287.70	19.44	18.51	-105.69	-983.33	-1,356.41	1,738.55	1,700.73	37.82	45.966		
5,300.00	5,283.85	5,388.31	5,383.49	19.82	18.85	-105.82	-979.18	-1,357.43	1,738.17	1,699.62	38.54	45.095		
5,400.00	5,383.52	5,539.37	5,534.32	20.21	19.40	-106.02	-971.10	-1,357.89	1,736.61	1,697.16	39.45	44.026		
5,500.00	5,483.20	5,640.01	5,634.70	20.59	19.76	-106.13	-963.77	-1,357.52	1,733.06	1,692.88	40.18	43.128		
5,600.00	5,582.87	5,719.09	5,713.61	20.97	20.05	-106.23	-958.77	-1,357.40	1,730.39	1,689.53	40.86	42.352		
5,700.00	5,682.54	5,807.47	5,801.87	21.35	20.37	-106.35	-953.98	-1,357.52	1,728.60	1,687.05	41.56	41.596		
5,800.00	5,782.22	5,891.29	5,885.59	21.73	20.67	-106.47	-950.03	-1,357.98	1,727.64	1,685.40	42.24	40.902		
5,900.00	5,881.89	6,002.81	5,996.98	22.11	21.07	-106.62	-944.71	-1,358.95	1,726.85	1,683.83	43.01	40.145		
5,977.74	5,959.38	6,060.62	6,054.72	22.40	21.28	-106.69	-942.02	-1,359.73	1,726.51	1,682.99	43.52	39.672		
6,000.00	5,981.56	6,078.33	6,072.41	22.49	21.34	-106.71	-941.26	-1,360.03	1,726.53	1,682.87	43.67	39.539		
6,100.00	6,081.24	6,209.66	6,203.54	22.87	21.82	-106.86	-934.36	-1,361.85	1,725.67	1,681.15	44.51	38.767		
6,200.00	6,180.91	6,299.56	6,293.29	23.25	22.15	-106.96	-929.18	-1,362.82	1,724.28	1,679.06	45.22	38.131		
6,271.48	6,252.16	6,354.53	6,348.19	23.52	22.35	-107.02	-926.45	-1,363.66	1,723.94	1,678.25	45.69	37.731		
6,300.00	6,280.58	6,381.65	6,375.27	23.63	22.44	-107.05	-925.25	-1,364.17	1,723.97	1,678.08	45.90	37.563		
6,400.00	6,380.26	6,513.33	6,506.77	24.01	22.92	-107.20	-918.57	-1,366.02	1,723.38	1,676.64	46.74	36.870		
6,500.00	6,479.93	6,621.43	6,614.68	24.39	23.31	-107.35	-912.22	-1,365.68	1,721.01	1,673.51	47.50	36.228		
6,600.00	6,579.60	6,694.76	6,687.93	24.77	23.58	-107.48	-908.85	-1,365.10	1,719.42	1,671.27	48.15	35.708		
6,632.90	6,612.40	6,716.34	6,709.50	24.90	23.65	-107.53	-908.19	-1,364.98	1,719.31	1,670.96	48.35	35.557		
6,700.00	6,679.28	6,765.93	6,759.08	25.15	23.83	-107.64	-907.22	-1,364.77	1,719.73	1,670.95	48.78	35.254		
6,800.00	6,778.95	6,858.67	6,851.82	25.53	24.15	-107.86	-906.14	-1,364.42	1,721.04	1,671.56	49.48	34.782		
6,900.00	6,878.62	6,963.37	6,956.50	25.92	24.52	-108.13	-905.21	-1,363.56	1,722.33	1,672.11	50.22	34.293		
7,000.00	6,978.30	7,061.42	7,054.54	26.30	24.86	-108.39	-904.34	-1,362.62	1,723.58	1,672.64	50.94	33.835		
7,100.00	7,077.97	7,156.37	7,149.49	26.68	25.19	-108.64	-903.72	-1,361.72	1,725.06	1,673.41	51.65	33.402		
7,200.00	7,177.64	7,249.00	7,242.12	27.06	25.51	-108.89	-903.30	-1,361.06	1,726.86	1,674.52	52.34	32.993		
7,300.00	7,277.20	7,302.56	7,295.67	27.44	25.69	-81.57	-903.06	-1,361.85	1,729.14	1,676.27	52.87	32.704		
7,400.00	7,374.70	7,343.00	7,336.02	27.87	25.83	-65.82	-902.92	-1,364.42	1,725.56	1,672.21	53.35	32.342		
7,500.00	7,467.14	7,386.75	7,379.49	28.34	25.98	-62.46	-902.92	-1,369.35	1,714.83	1,660.96	53.87	31.832		
7,600.00	7,551.72	7,424.23	7,416.47	28.86	26.11	-62.27	-903.09	-1,375.42	1,697.51	1,643.13	54.38	31.213		
7,700.00	7,625.87	7,469.00	7,460.19	29.46	26.26	-63.87	-903.48	-1,385.00	1,674.34	1,619.31	55.03	30.428		
7,800.00	7,687.33	7,509.02	7,498.80	30.18	26.40	-66.59	-903.58	-1,395.52	1,645.74	1,589.98	55.76	29.514		
7,900.00	7,734.24	7,545.04	7,533.05	31.04	26.52	-70.16	-903.42	-1,406.68	1,612.96	1,556.32	56.64	28.475		
8,000.00	7,765.16	7,577.02	7,562.98	32.07	26.62	-74.35	-903.25	-1,417.94	1,577.59	1,519.87	57.72	27.333		
8,100.00	7,779.17	7,607.74	7,591.24	33.26	26.72	-79.00	-902.98	-1,429.96	1,541.13	1,482.11	59.02	26.111		
8,200.00	7,780.00	7,627.00	7,608.73	34.59	26.78	-80.85	-902.75	-1,438.04	1,506.13	1,445.69	60.44	24.921		
8,300.00	7,780.00	7,659.00	7,637.31	36.06	26.89	-81.99	-902.45	-1,452.41	1,476.14	1,414.01	62.14	23.756		
8,400.00	7,780.00	7,677.37	7,653.40	37.67	26.95	-82.63	-902.43	-1,461.27	1,451.75	1,387.90	63.85	22.737		
8,500.00	7,780.00	7,700.61	7,673.34	39.41	27.03	-83.43	-902.61	-1,473.20	1,433.17	1,367.46	65.71	21.810		
8,600.00	7,780.00	7,722.00	7,691.27	41.24	27.10	-84.15	-903.02	-1,484.86	1,420.50	1,352.89	67.62	21.009		
8,700.00	7,780.00	7,759.40	7,721.48	43.17	27.24	-85.38	-904.23	-1,506.87	1,413.61	1,343.91	69.70	20.281		
8,783.44	7,780.00	7,799.34	7,752.03	44.84	27.40	-86.62	-905.96	-1,532.51	1,412.00	1,340.46	71.54	19.739		
8,800.00	7,780.00	7,810.77	7,760.49	45.18	27.44	-86.96	-906.47	-1,540.19	1,412.05	1,340.12	71.93	19.632		
8,900.00	7,780.00	7,881.45	7,808.91	47.25	27.78	-88.93	-909.39	-1,591.49	1,414.33	1,339.99	74.34	19.026		
9,000.00	7,780.00	8,039.87	7,885.47	49.39	28.81	-92.03	-913.75	-1,729.51	1,418.17	1,340.37	77.80	18.229		
9,100.00	7,780.00	8,150.73	7,910.04	51.58	29.80	-93.02	-913.60	-1,837.25	1,418.92	1,337.91	81.01	17.515		
9,200.00	7,780.00	8,236.86	7,913.86	53.81	30.71	-93.17	-914.51	-1,923.27	1,420.15	1,336.04	84.11	16.885		
9,300.00	7,780.00	8,315.26	7,913.30	56.09	31.66	-93.14	-917.05	-2,001.62	1,423.13	1,335.89	87.24	16.313		
9,400.00	7,780.00	8,434.73	7,911.55	58.40	33.30	-93.07	-920.32	-2,121.03	1,425.68	1,334.39	91.29	15.617		
9,500.00	7,780.00	8,541.07	7,912.82	60.74	34.94	-93.11	-922.12	-2,227.35	1,427.34	1,332.03	95.31	14.976		
9,600.00	7,780.00	8,678.43	7,915.58	63.11	37.29	-93.22	-922.54	-2,364.67	1,427.71	1,327.52	100.19	14.251		
9,700.00	7,780.00	8,793.11	7,917.40	65.51	39.41	-93.30	-920.49	-2,479.32	1,425.90	1,321.14	104.76	13.611		
9,800.00	7,780.00	8,895.73	7,920.17	67.93	41.42	-93.42	-918.18	-2,581.88	1,423.72	1,314.53	109.19	13.039		
9,900.00	7,780.00	8,998.55	7,924.15	70.37	43.52	-93.59	-915.53	-2,684.59	1,421.29	1,307.57	113.72	12.498		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
10,000.00	7,780.00	9,110.39	7,927.66	72.82	45.88	-93.74	-912.27	-2,796.32	1,418.50	1,299.94	118.56	11.964		
10,100.00	7,780.00	9,240.14	7,929.61	75.30	48.70	-93.83	-906.63	-2,925.93	1,414.19	1,290.30	123.89	11.415		
10,200.00	7,780.00	9,310.20	7,930.78	77.79	50.27	-93.89	-903.83	-2,995.92	1,410.09	1,282.20	127.89	11.026		
10,300.00	7,780.00	9,412.58	7,932.55	80.29	52.59	-93.97	-900.40	-3,098.22	1,406.78	1,274.07	132.71	10.601		
10,400.00	7,780.00	9,489.99	7,933.86	82.80	54.38	-94.03	-898.29	-3,175.59	1,404.09	1,267.16	136.93	10.254		
10,500.00	7,780.00	9,585.34	7,936.10	85.32	56.60	-94.12	-896.71	-3,270.90	1,402.51	1,260.86	141.65	9.901		
10,587.02	7,780.00	9,650.55	7,937.26	87.53	58.14	-94.17	-896.06	-3,336.10	1,401.71	1,256.42	145.28	9.648 CC		
10,600.00	7,780.00	9,659.56	7,937.51	87.86	58.35	-94.18	-896.06	-3,345.11	1,401.73	1,255.92	145.80	9.614		
10,700.00	7,780.00	9,742.49	7,940.59	90.40	60.32	-94.31	-896.91	-3,427.97	1,402.88	1,252.68	150.20	9.340		
10,800.00	7,780.00	9,866.25	7,944.05	92.95	63.29	-94.44	-898.02	-3,551.68	1,403.98	1,248.16	155.83	9.010		
10,880.41	7,780.00	9,944.08	7,944.68	95.01	65.18	-94.47	-897.78	-3,629.50	1,403.72	1,243.97	159.75	8.787		
10,900.00	7,780.00	9,961.15	7,945.05	95.51	65.59	-94.48	-897.78	-3,646.57	1,403.74	1,243.09	160.65	8.738		
11,000.00	7,780.00	10,059.21	7,948.21	98.08	67.99	-94.61	-897.95	-3,744.57	1,404.07	1,238.49	165.57	8.480		
11,100.00	7,780.00	10,159.17	7,951.93	100.66	70.45	-94.76	-898.05	-3,844.46	1,404.39	1,233.82	170.57	8.233		
11,200.00	7,780.00	10,265.67	7,955.40	103.24	73.09	-94.91	-897.99	-3,950.90	1,404.51	1,228.72	175.79	7.990		
11,300.00	7,780.00	10,364.34	7,957.11	105.82	75.56	-94.98	-897.86	-4,049.56	1,404.44	1,223.63	180.80	7.768		
11,301.36	7,780.00	10,365.68	7,957.12	105.86	75.59	-94.98	-897.86	-4,050.90	1,404.44	1,223.56	180.87	7.765		
11,400.00	7,780.00	10,443.30	7,958.89	108.41	77.54	-95.05	-898.39	-4,128.49	1,405.21	1,219.98	185.22	7.587		
11,500.00	7,780.00	10,544.27	7,962.38	111.01	80.08	-95.18	-899.70	-4,229.40	1,406.72	1,216.40	190.32	7.391		
11,600.00	7,780.00	10,649.32	7,965.48	113.61	82.73	-95.31	-900.80	-4,334.40	1,407.94	1,212.38	195.56	7.199		
11,700.00	7,780.00	10,745.18	7,967.83	116.21	85.16	-95.40	-901.81	-4,430.22	1,409.13	1,208.59	200.53	7.027		
11,800.00	7,780.00	10,834.49	7,970.81	118.82	87.43	-95.51	-903.17	-4,519.47	1,410.87	1,205.58	205.29	6.873		
11,900.00	7,780.00	10,935.48	7,974.81	121.43	90.01	-95.67	-904.95	-4,620.36	1,412.91	1,202.49	210.42	6.715		
12,000.00	7,780.00	11,032.46	7,978.50	124.05	92.49	-95.81	-906.76	-4,717.25	1,415.06	1,199.63	215.43	6.568		
12,100.00	7,780.00	11,140.63	7,982.24	126.67	95.27	-95.95	-908.89	-4,825.34	1,417.31	1,196.49	220.83	6.418		
12,200.00	7,780.00	11,294.66	7,983.98	129.29	99.24	-96.02	-908.49	-4,979.35	1,417.08	1,189.47	227.61	6.226		
12,300.00	7,780.00	11,409.02	7,983.68	131.92	102.20	-96.03	-905.52	-5,093.66	1,414.37	1,181.18	233.19	6.065		
12,400.00	7,780.00	11,477.07	7,984.32	134.54	103.97	-96.06	-904.31	-5,161.70	1,412.53	1,175.04	237.49	5.948		
12,500.00	7,780.00	11,574.77	7,986.13	137.17	106.50	-96.13	-903.58	-5,259.38	1,411.89	1,169.29	242.60	5.820		
12,600.00	7,780.00	11,701.56	7,986.81	139.81	109.81	-96.17	-901.38	-5,386.15	1,410.11	1,161.56	248.55	5.673		
12,700.00	7,780.00	11,798.60	7,987.53	142.44	112.34	-96.21	-898.79	-5,483.15	1,407.45	1,153.77	253.67	5.548		
12,800.00	7,780.00	11,881.44	7,988.76	145.08	114.50	-96.27	-897.20	-5,565.96	1,405.61	1,147.22	258.39	5.440		
12,877.78	7,780.00	11,942.35	7,988.86	147.13	116.10	-96.32	-896.76	-5,626.86	1,405.14	1,143.21	261.93	5.365		
12,900.00	7,780.00	11,959.76	7,990.21	147.72	116.55	-96.33	-896.77	-5,644.27	1,405.18	1,142.25	262.93	5.344		
13,000.00	7,780.00	12,066.49	7,991.97	150.36	119.34	-96.40	-896.83	-5,750.99	1,405.33	1,136.98	268.35	5.237		
13,004.09	7,780.00	12,070.91	7,992.02	150.47	119.46	-96.40	-896.82	-5,755.41	1,405.32	1,136.75	268.57	5.233		
13,100.00	7,780.00	12,152.40	7,992.87	153.00	121.59	-96.44	-897.18	-5,836.89	1,405.76	1,132.64	273.11	5.147		
13,200.00	7,780.00	12,251.58	7,993.50	155.65	124.19	-96.46	-898.11	-5,936.06	1,406.67	1,128.36	278.31	5.054		
13,300.00	7,780.00	12,357.36	7,993.17	158.29	126.96	-96.44	-898.85	-6,041.84	1,407.23	1,123.48	283.75	4.959		
13,400.00	7,780.00	12,441.10	7,993.17	160.94	129.16	-96.44	-899.88	-6,125.57	1,408.35	1,119.90	288.45	4.882		
13,500.00	7,780.00	12,536.35	7,994.20	163.59	131.66	-96.47	-901.62	-6,220.80	1,410.19	1,116.68	293.52	4.804		
13,600.00	7,780.00	12,635.32	7,995.38	166.24	134.26	-96.51	-903.63	-6,319.74	1,412.26	1,113.54	298.71	4.728		
13,700.00	7,780.00	12,735.30	7,995.65	168.90	136.89	-96.51	-905.63	-6,419.70	1,414.19	1,110.23	303.96	4.652		
13,800.00	7,780.00	12,815.53	7,996.61	171.55	139.00	-96.54	-907.85	-6,499.89	1,416.98	1,108.50	308.47	4.594		
13,900.00	7,780.00	12,909.65	7,998.48	174.20	141.47	-96.60	-911.21	-6,593.94	1,420.66	1,107.20	313.47	4.532		
14,000.00	7,780.00	13,020.09	8,001.18	176.86	144.38	-96.69	-914.86	-6,704.28	1,424.14	1,105.06	319.08	4.463		
14,100.00	7,780.00	13,120.98	8,003.02	179.52	147.04	-96.75	-917.82	-6,805.11	1,427.17	1,102.83	324.34	4.400		
14,200.00	7,780.00	13,221.04	8,003.42	182.18	149.67	-96.75	-921.17	-6,905.11	1,430.45	1,100.85	329.61	4.340		
14,300.00	7,780.00	13,340.10	8,004.45	184.83	152.82	-96.78	-923.96	-7,024.13	1,432.77	1,097.22	335.55	4.270		
14,400.00	7,780.00	13,451.85	8,006.46	187.49	155.77	-96.86	-925.29	-7,135.85	1,434.08	1,092.90	341.18	4.203		
14,500.00	7,780.00	13,558.61	8,007.09	190.16	158.60	-96.88	-926.02	-7,242.61	1,434.73	1,088.07	346.66	4.139		
14,600.00	7,780.00	13,656.51	8,008.21	192.82	161.19	-96.92	-926.45	-7,340.50	1,435.23	1,083.38	351.85	4.079		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
14,700.00	7,780.00	13,763.88	8,011.45	195.48	164.04	-97.05	-926.57	-7,447.81	1,435.61	1,078.33	357.28	4.018		
14,800.00	7,780.00	13,882.52	8,012.86	198.14	167.19	-97.11	-925.76	-7,566.44	1,434.98	1,071.90	363.08	3.952		
14,900.00	7,780.00	14,001.30	8,013.79	200.81	170.35	-97.16	-923.69	-7,685.20	1,433.29	1,064.46	368.83	3.886		
15,000.00	7,780.00	14,136.97	8,013.39	203.47	173.96	-97.17	-918.76	-7,820.77	1,429.57	1,054.68	374.88	3.813		
15,100.00	7,780.00	14,215.56	8,014.22	206.14	176.06	-97.22	-915.32	-7,899.28	1,425.27	1,045.56	379.70	3.754		
15,200.00	7,780.00	14,307.01	8,016.71	208.81	178.49	-97.33	-912.38	-7,990.65	1,422.31	1,037.59	384.72	3.697		
15,300.00	7,780.00	14,438.43	8,020.15	211.48	182.00	-97.50	-907.06	-8,121.91	1,418.62	1,028.09	390.54	3.633		
15,400.00	7,780.00	14,531.08	8,021.75	214.14	184.47	-97.59	-902.26	-8,214.42	1,413.63	1,018.01	395.62	3.573		
15,500.00	7,780.00	14,605.57	8,023.48	216.81	186.45	-97.67	-899.24	-8,288.84	1,409.85	1,009.55	400.30	3.522		
15,600.00	7,780.00	14,695.99	8,026.12	219.48	188.87	-97.79	-896.98	-8,379.19	1,407.64	1,002.39	405.26	3.473		
15,700.00	7,780.00	14,780.59	8,028.40	222.15	191.12	-97.90	-895.15	-8,463.73	1,405.82	995.78	410.04	3.428		
15,754.20	7,780.00	14,821.10	8,029.27	223.60	192.20	-97.93	-894.84	-8,504.23	1,405.52	993.05	412.47	3.408		
15,800.00	7,780.00	14,865.73	8,029.93	224.82	193.39	-97.96	-894.80	-8,548.85	1,405.53	990.70	414.83	3.388		
15,862.58	7,780.00	14,929.09	8,029.98	226.49	195.08	-97.96	-894.84	-8,612.22	1,405.53	987.36	418.16	3.361		
15,900.00	7,780.00	14,962.07	8,029.86	227.49	195.96	-97.96	-894.94	-8,645.20	1,405.59	985.58	420.01	3.347		
16,000.00	7,780.00	15,050.11	8,029.92	230.16	198.30	-97.96	-895.59	-8,733.23	1,406.24	981.35	424.89	3.310		
16,100.00	7,780.00	15,145.19	8,031.66	232.84	200.84	-98.02	-896.95	-8,828.29	1,407.81	977.86	429.95	3.274		
16,200.00	7,780.00	15,256.12	8,033.43	235.51	203.79	-98.09	-897.84	-8,939.20	1,408.72	973.16	435.56	3.234		
16,300.00	7,780.00	15,350.34	8,035.26	238.18	206.30	-98.16	-898.42	-9,033.40	1,409.52	968.93	440.59	3.199		
16,400.00	7,780.00	15,450.24	8,039.10	240.86	208.97	-98.31	-899.29	-9,133.22	1,410.84	965.11	445.73	3.165		
16,500.00	7,780.00	15,549.41	8,043.38	243.53	211.61	-98.48	-899.75	-9,232.29	1,411.84	961.03	450.82	3.132		
16,600.00	7,780.00	15,652.57	8,048.51	246.20	214.36	-98.68	-900.35	-9,335.33	1,413.07	957.07	456.00	3.099		
16,700.00	7,780.00	15,764.51	8,052.88	248.88	217.35	-98.85	-900.42	-9,447.18	1,413.64	952.14	461.50	3.063		
16,800.00	7,780.00	15,864.11	8,055.48	251.55	220.01	-98.96	-900.22	-9,546.74	1,413.75	947.09	466.66	3.030		
16,900.00	7,780.00	15,972.96	8,056.54	254.23	222.92	-99.00	-900.00	-9,655.59	1,413.63	941.45	472.17	2.994		
16,914.39	7,780.00	15,980.85	8,056.57	254.62	223.13	-99.01	-900.01	-9,663.48	1,413.62	940.88	472.73	2.990		
17,000.00	7,780.00	16,044.72	8,057.06	256.91	224.83	-99.02	-900.49	-9,727.34	1,414.27	937.78	476.50	2.968		
17,100.00	7,780.00	16,133.82	8,058.55	259.58	227.21	-99.07	-902.17	-9,816.42	1,416.29	934.98	481.31	2.943		
17,200.00	7,780.00	16,225.24	8,060.23	262.26	229.65	-99.13	-904.39	-9,907.79	1,418.89	932.71	486.19	2.918		
17,300.00	7,780.00	16,338.47	8,060.77	264.94	232.66	-99.13	-907.41	-10,020.97	1,421.54	929.55	491.99	2.889		
17,400.00	7,780.00	16,457.46	8,059.41	267.61	235.84	-99.06	-909.28	-10,139.95	1,422.82	924.77	498.04	2.857		
17,500.00	7,780.00	16,566.06	8,057.91	270.29	238.74	-99.00	-909.88	-10,248.53	1,423.04	919.35	503.69	2.825		
17,600.00	7,780.00	16,656.33	8,057.13	272.97	241.16	-98.97	-910.24	-10,338.80	1,423.23	914.53	508.70	2.798		
17,700.00	7,780.00	16,737.64	8,058.01	275.65	243.33	-99.00	-911.46	-10,420.09	1,424.76	911.48	513.28	2.776		
17,800.00	7,780.00	16,856.74	8,060.01	278.33	246.51	-99.07	-913.06	-10,539.16	1,426.29	907.11	519.18	2.747		
17,900.00	7,780.00	16,973.67	8,060.78	281.01	249.64	-99.10	-912.86	-10,656.08	1,426.09	901.12	524.97	2.716		
17,917.63	7,780.00	16,991.30	8,060.86	281.48	250.11	-99.10	-912.77	-10,673.71	1,426.00	900.10	525.90	2.712 ES, SF		
18,000.00	7,780.00	16,985.00	8,060.83	283.69	249.94	-99.10	-912.80	-10,667.42	1,428.35	901.71	526.64	2.712		
18,046.30	7,780.00	16,985.00	8,060.83	284.93	249.94	-99.10	-912.80	-10,667.42	1,431.75	905.34	526.40	2.720		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	-39.52	1,325.60	-1,093.50	1,718.53					
100.00	100.00	74.77	74.77	0.13	0.18	-39.52	1,325.61	-1,093.60	1,718.50	1,718.18	0.31	5,487.453		
200.00	200.00	171.21	171.21	0.49	0.52	-39.53	1,325.72	-1,094.17	1,718.96	1,717.94	1.02	1,689.860		
300.00	299.98	271.81	271.80	0.85	0.88	-6.12	1,325.99	-1,094.61	1,717.71	1,715.97	1.73	990.168		
400.00	399.84	371.28	371.28	1.22	1.24	-6.15	1,326.41	-1,094.87	1,713.00	1,710.55	2.45	698.510		
500.00	499.52	471.21	471.20	1.58	1.59	-6.18	1,326.86	-1,095.08	1,705.62	1,702.45	3.17	537.744		
600.00	599.20	570.81	570.80	1.96	1.95	-6.21	1,327.22	-1,095.44	1,698.10	1,694.22	3.88	437.117		
700.00	698.87	669.77	669.76	2.33	2.30	-6.25	1,327.24	-1,096.17	1,690.56	1,685.96	4.60	367.844		
800.00	798.54	769.53	769.52	2.71	2.66	-6.31	1,327.21	-1,097.11	1,683.11	1,677.80	5.31	316.933		
900.00	898.22	872.20	872.18	3.09	3.02	-6.36	1,327.15	-1,097.90	1,675.53	1,669.49	6.04	277.549		
1,000.00	997.89	973.78	973.76	3.47	3.38	-6.41	1,327.16	-1,098.36	1,667.80	1,661.04	6.76	246.699		
1,100.00	1,097.57	1,076.61	1,076.59	3.85	3.75	-6.45	1,327.11	-1,098.68	1,659.93	1,652.45	7.49	221.720		
1,200.00	1,197.24	1,173.19	1,173.17	4.23	4.09	-6.49	1,326.94	-1,099.09	1,652.05	1,643.86	8.19	201.709		
1,300.00	1,296.91	1,273.29	1,273.27	4.61	4.45	-6.54	1,326.83	-1,099.59	1,644.26	1,635.35	8.91	184.571		
1,400.00	1,396.59	1,363.92	1,363.89	4.99	4.77	-6.59	1,326.89	-1,100.31	1,636.79	1,627.19	9.60	170.580		
1,500.00	1,496.26	1,472.39	1,472.36	5.37	5.16	-6.64	1,327.00	-1,101.00	1,629.26	1,618.91	10.34	157.547		
1,600.00	1,595.93	1,579.07	1,579.04	5.75	5.52	-6.67	1,327.04	-1,101.02	1,621.27	1,610.21	11.06	146.550		
1,700.00	1,695.61	1,682.97	1,682.94	6.13	5.86	-6.69	1,327.13	-1,100.29	1,612.86	1,601.09	11.77	137.060		
1,800.00	1,795.28	1,780.86	1,780.83	6.51	6.19	-6.70	1,327.18	-1,099.56	1,604.41	1,591.96	12.46	128.809		
1,900.00	1,894.95	1,878.34	1,878.31	6.89	6.52	-6.72	1,327.29	-1,099.14	1,596.19	1,583.05	13.15	121.416		
2,000.00	1,994.63	1,979.49	1,979.45	7.27	6.86	-6.74	1,327.26	-1,098.75	1,587.90	1,574.05	13.85	114.652		
2,100.00	2,094.30	2,078.99	2,078.95	7.65	7.20	-6.77	1,327.16	-1,098.39	1,579.57	1,565.02	14.55	108.567		
2,200.00	2,193.97	2,176.29	2,176.25	8.03	7.53	-6.80	1,327.04	-1,098.16	1,571.31	1,556.07	15.25	103.070		
2,300.00	2,293.65	2,273.19	2,273.15	8.41	7.87	-6.83	1,327.05	-1,098.10	1,563.26	1,547.31	15.94	98.056		
2,400.00	2,393.32	2,373.60	2,373.57	8.79	8.21	-6.87	1,327.07	-1,098.09	1,555.25	1,538.60	16.65	93.402		
2,500.00	2,492.99	2,473.13	2,473.10	9.17	8.56	-6.90	1,327.04	-1,098.05	1,547.19	1,529.83	17.36	89.142		
2,600.00	2,592.67	2,571.03	2,571.00	9.55	8.90	-6.94	1,327.07	-1,098.15	1,539.25	1,521.19	18.06	85.223		
2,700.00	2,692.34	2,672.03	2,672.00	9.93	9.26	-6.98	1,327.12	-1,098.19	1,531.31	1,512.53	18.78	81.550		
2,800.00	2,792.01	2,772.56	2,772.53	10.31	9.60	-7.01	1,327.10	-1,098.19	1,523.27	1,503.78	19.49	78.163		
2,900.00	2,891.69	2,872.18	2,872.14	10.69	9.95	-7.05	1,327.08	-1,098.16	1,515.22	1,495.03	20.20	75.027		
3,000.00	2,991.36	2,972.03	2,972.00	11.07	10.30	-7.09	1,327.01	-1,098.20	1,507.18	1,486.27	20.90	72.099		
3,100.00	3,091.03	3,070.83	3,070.80	11.45	10.64	-7.13	1,327.01	-1,098.14	1,499.13	1,477.52	21.61	69.373		
3,200.00	3,190.71	3,166.73	3,166.70	11.83	10.98	-7.16	1,327.15	-1,098.16	1,491.24	1,468.93	22.31	66.845		
3,300.00	3,290.38	3,268.96	3,268.92	12.21	11.33	-7.20	1,327.35	-1,098.34	1,483.50	1,460.47	23.03	64.421		
3,400.00	3,390.05	3,371.08	3,371.04	12.59	11.69	-7.24	1,327.34	-1,098.33	1,475.47	1,451.72	23.74	62.139		
3,500.00	3,489.73	3,468.65	3,468.62	12.97	12.03	-7.28	1,327.37	-1,098.27	1,467.44	1,442.99	24.45	60.023		
3,600.00	3,589.40	3,569.14	3,569.10	13.35	12.38	-7.32	1,327.41	-1,098.33	1,459.50	1,434.33	25.16	58.004		
3,700.00	3,689.07	3,672.34	3,672.30	13.73	12.74	-7.36	1,327.29	-1,098.31	1,451.39	1,425.51	25.88	56.079		
3,800.00	3,788.75	3,774.25	3,774.21	14.12	13.09	-7.41	1,327.01	-1,098.17	1,443.08	1,416.49	26.59	54.262		
3,900.00	3,888.42	3,872.64	3,872.61	14.50	13.44	-7.46	1,326.58	-1,098.14	1,434.73	1,407.43	27.30	52.554		
4,000.00	3,988.09	3,967.89	3,967.85	14.88	13.77	-7.51	1,326.37	-1,098.21	1,426.61	1,398.61	28.00	50.954		
4,100.00	4,087.77	4,068.27	4,068.23	15.26	14.12	-7.55	1,326.32	-1,098.26	1,418.59	1,389.88	28.71	49.409		
4,200.00	4,187.44	4,167.74	4,167.70	15.64	14.47	-7.60	1,326.26	-1,098.28	1,410.56	1,381.13	29.42	47.944		
4,300.00	4,287.11	4,266.53	4,266.49	16.02	14.81	-7.64	1,326.25	-1,098.30	1,402.55	1,372.42	30.13	46.553		
4,400.00	4,386.79	4,366.09	4,366.05	16.40	15.16	-7.69	1,326.28	-1,098.41	1,394.64	1,363.81	30.84	45.225		
4,500.00	4,486.46	4,466.05	4,466.01	16.78	15.52	-7.74	1,326.21	-1,098.38	1,386.57	1,355.02	31.55	43.943		
4,600.00	4,586.14	4,567.14	4,567.10	17.16	15.86	-7.78	1,326.14	-1,098.31	1,378.48	1,346.21	32.26	42.728		
4,700.00	4,685.81	4,666.09	4,666.05	17.54	16.21	-7.83	1,326.10	-1,098.30	1,370.43	1,337.46	32.97	41.566		
4,800.00	4,785.48	4,763.69	4,763.65	17.92	16.55	-7.87	1,326.16	-1,098.27	1,362.47	1,328.79	33.67	40.461		
4,900.00	4,885.16	4,862.69	4,862.65	18.30	16.89	-7.90	1,326.55	-1,098.13	1,354.67	1,320.29	34.38	39.403		
5,000.00	4,984.83	4,949.64	4,949.59	18.68	17.19	-7.92	1,327.24	-1,097.93	1,347.14	1,312.08	35.05	38.431		
5,100.00	5,084.50	5,033.09	5,033.00	19.06	17.48	-7.87	1,329.79	-1,097.36	1,340.96	1,305.24	35.71	37.547		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
5,200.00	5,184.18	5,125.49	5,125.28	19.44	17.81	-7.74	1,334.24	-1,096.09	1,335.67	1,299.27	36.40	36.693		
5,300.00	5,283.85	5,215.46	5,215.11	19.82	18.12	-7.60	1,339.14	-1,094.69	1,330.76	1,293.68	37.08	35.890		
5,400.00	5,383.52	5,291.82	5,291.26	20.21	18.39	-7.44	1,344.67	-1,093.52	1,327.24	1,289.53	37.71	35.200		
5,500.00	5,483.20	5,360.46	5,359.51	20.59	18.63	-7.23	1,351.79	-1,092.20	1,325.86	1,287.57	38.29	34.628		
5,513.05	5,496.20	5,371.00	5,369.97	20.64	18.66	-7.19	1,353.10	-1,091.96	1,325.85	1,287.48	38.37	34.554 CC		
5,600.00	5,582.87	5,432.94	5,431.26	20.97	18.88	-6.91	1,361.89	-1,090.25	1,326.73	1,287.86	38.87	34.130		
5,700.00	5,682.54	5,519.89	5,516.80	21.35	19.19	-6.41	1,376.99	-1,086.63	1,329.39	1,289.87	39.52	33.639		
5,800.00	5,782.22	5,624.82	5,619.40	21.73	19.57	-5.63	1,397.69	-1,079.27	1,332.32	1,292.06	40.26	33.093		
5,900.00	5,881.89	5,733.82	5,725.64	22.11	19.97	-4.73	1,419.97	-1,069.29	1,334.75	1,293.72	41.03	32.534		
6,000.00	5,981.56	5,861.06	5,849.87	22.49	20.45	-3.70	1,444.33	-1,056.59	1,335.93	1,294.04	41.89	31.894		
6,100.00	6,081.24	5,960.91	5,947.50	22.87	20.83	-2.89	1,462.40	-1,046.03	1,336.20	1,293.58	42.62	31.352		
6,200.00	6,180.91	6,049.94	6,034.30	23.25	21.17	-2.12	1,479.42	-1,035.88	1,337.12	1,293.82	43.30	30.878		
6,300.00	6,280.58	6,136.38	6,118.24	23.63	21.51	-1.32	1,497.15	-1,025.33	1,339.05	1,295.07	43.97	30.451		
6,400.00	6,380.26	6,211.54	6,190.79	24.01	21.81	-0.57	1,514.15	-1,015.52	1,342.61	1,298.03	44.58	30.117		
6,500.00	6,479.93	6,291.38	6,267.35	24.39	22.14	0.29	1,533.94	-1,004.54	1,348.04	1,302.83	45.20	29.821		
6,600.00	6,579.60	6,371.53	6,343.83	24.77	22.48	1.18	1,555.08	-993.22	1,355.11	1,309.28	45.83	29.571		
6,700.00	6,679.28	6,452.89	6,421.03	25.15	22.83	2.12	1,577.85	-981.33	1,363.82	1,317.37	46.45	29.360		
6,800.00	6,778.95	6,526.85	6,490.63	25.53	23.16	3.03	1,599.91	-969.58	1,374.16	1,327.14	47.01	29.229		
6,900.00	6,878.62	6,598.00	6,557.07	25.92	23.48	3.92	1,622.86	-958.60	1,387.24	1,339.70	47.54	29.182		
7,000.00	6,978.30	6,648.43	6,604.03	26.30	23.72	4.53	1,639.96	-951.87	1,403.13	1,355.28	47.85	29.323		
7,100.00	7,077.97	6,716.28	6,667.32	26.68	24.04	5.25	1,663.47	-945.16	1,421.82	1,373.52	48.30	29.437		
7,200.00	7,177.64	6,803.02	6,748.19	27.06	24.45	6.13	1,693.96	-937.76	1,442.01	1,393.07	48.93	29.470		
7,300.00	7,277.20	6,900.16	6,838.46	27.44	24.92	33.80	1,728.65	-928.61	1,462.05	1,412.37	49.67	29.433		
7,400.00	7,374.70	6,996.28	6,927.83	27.87	25.40	50.27	1,762.72	-919.07	1,475.85	1,425.42	50.42	29.268		
7,500.00	7,467.14	7,070.79	6,997.13	28.34	25.78	55.67	1,789.19	-912.15	1,483.59	1,432.60	50.99	29.095		
7,600.00	7,551.72	7,146.01	7,067.09	28.86	26.16	59.37	1,816.05	-905.59	1,486.39	1,434.74	51.65	28.779		
7,700.00	7,625.87	7,206.80	7,123.63	29.46	26.48	62.35	1,837.78	-900.50	1,485.49	1,433.19	52.29	28.406		
7,800.00	7,687.33	7,254.84	7,168.31	30.18	26.73	64.88	1,855.05	-896.73	1,482.52	1,429.50	53.02	27.964		
7,900.00	7,734.24	7,279.54	7,191.24	31.04	26.86	66.50	1,864.03	-894.91	1,478.99	1,425.24	53.75	27.516		
8,000.00	7,765.16	7,293.53	7,204.20	32.07	26.93	67.54	1,869.22	-893.93	1,476.04	1,421.35	54.69	26.991		
8,100.00	7,779.17	7,297.61	7,207.97	33.26	26.96	67.97	1,870.74	-893.66	1,474.20	1,418.37	55.84	26.402		
8,123.08	7,780.27	7,297.28	7,207.67	33.57	26.95	67.96	1,870.62	-893.68	1,474.07	1,417.93	56.14	26.257		
8,200.00	7,780.00	7,293.81	7,204.45	34.59	26.94	67.86	1,869.32	-893.92	1,474.99	1,417.83	57.16	25.805		
8,300.00	7,780.00	7,289.39	7,200.37	36.06	26.91	67.69	1,867.68	-894.22	1,482.27	1,423.64	58.62	25.285		
8,400.00	7,780.00	7,284.87	7,196.18	37.67	26.89	67.51	1,865.99	-894.54	1,496.18	1,436.01	60.17	24.867		
8,500.00	7,780.00	7,280.22	7,191.87	39.41	26.86	67.33	1,864.28	-894.86	1,516.55	1,454.81	61.74	24.563		
8,600.00	7,780.00	7,275.44	7,187.44	41.24	26.84	67.14	1,862.52	-895.21	1,543.13	1,479.83	63.30	24.379		
8,700.00	7,780.00	7,270.52	7,182.88	43.17	26.81	66.95	1,860.72	-895.56	1,575.59	1,510.80	64.80	24.316		
8,800.00	7,780.00	7,268.52	7,181.02	45.18	26.80	66.88	1,859.98	-895.71	1,613.58	1,547.32	66.26	24.352		
8,900.00	7,780.00	8,900.00	7,777.06	47.25	40.62	90.60	2,125.75	-1,754.55	1,625.71	1,539.92	85.79	18.951		
9,000.00	7,780.00	8,646.76	7,779.29	49.39	36.79	90.68	2,118.34	-1,856.18	1,618.54	1,534.42	84.12	19.240		
9,100.00	7,780.00	8,710.08	7,780.64	51.58	37.84	90.73	2,114.89	-1,919.39	1,613.21	1,525.52	87.68	18.398		
9,200.00	7,780.00	8,779.69	7,782.03	53.81	39.05	90.78	2,112.74	-1,988.96	1,610.16	1,518.76	91.40	17.617		
9,300.00	7,780.00	8,927.23	7,785.16	56.09	41.80	90.90	2,106.92	-2,136.34	1,606.31	1,510.18	96.13	16.710		
9,400.00	7,780.00	9,064.76	7,788.14	58.40	44.49	91.01	2,097.86	-2,273.53	1,599.84	1,499.00	100.84	15.865		
9,500.00	7,780.00	9,148.03	7,789.99	60.74	46.18	91.08	2,092.01	-2,356.58	1,592.91	1,487.83	105.09	15.158		
9,600.00	7,780.00	9,215.46	7,791.47	63.11	47.60	91.14	2,088.19	-2,423.88	1,587.37	1,478.16	109.21	14.535		
9,700.00	7,780.00	9,270.15	7,792.67	65.51	48.78	91.18	2,086.25	-2,478.52	1,584.10	1,470.91	113.19	13.995		
9,750.12	7,780.00	9,293.56	7,793.18	66.72	49.29	91.20	2,086.02	-2,501.92	1,583.67	1,468.56	115.12	13.757		
9,800.00	7,780.00	9,335.00	7,794.07	67.93	50.20	91.23	2,086.59	-2,543.35	1,584.32	1,467.02	117.30	13.507		
9,900.00	7,780.00	9,377.43	7,794.98	70.37	51.16	91.26	2,088.04	-2,585.75	1,587.18	1,466.15	121.03	13.114		
10,000.00	7,780.00	9,493.88	7,797.45	72.82	53.81	91.35	2,093.25	-2,702.05	1,591.95	1,465.88	126.07	12.627		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
10,100.00	7,780.00	9,612.92	7,800.08	75.30	56.57	91.44	2,095.55	-2,821.04	1,593.94	1,462.73	131.21	12.148		
10,200.00	7,780.00	9,675.39	7,801.23	77.79	58.04	91.48	2,097.33	-2,883.47	1,596.97	1,461.60	135.37	11.797		
10,300.00	7,780.00	9,743.03	7,801.83	80.29	59.64	91.50	2,100.98	-2,951.01	1,602.42	1,462.81	139.60	11.478		
10,400.00	7,780.00	9,824.27	7,802.56	82.80	61.59	91.52	2,106.46	-3,032.06	1,609.28	1,465.16	144.11	11.167		
10,500.00	7,780.00	9,902.00	7,803.58	85.32	63.47	91.55	2,112.61	-3,109.54	1,617.32	1,468.78	148.55	10.888		
10,600.00	7,780.00	9,962.30	7,804.34	87.86	64.95	91.57	2,118.50	-3,169.54	1,627.26	1,474.73	152.54	10.668		
10,700.00	7,780.00	10,028.05	7,804.81	90.40	66.56	91.58	2,126.61	-3,234.79	1,639.62	1,483.02	156.61	10.470		
10,800.00	7,780.00	10,233.41	7,806.30	92.95	71.65	91.61	2,149.84	-3,438.76	1,652.52	1,488.24	164.28	10.059		
10,900.00	7,780.00	10,408.82	7,807.27	95.51	76.02	91.64	2,156.16	-3,614.03	1,655.58	1,484.68	170.90	9.687		
11,000.00	7,780.00	10,501.34	7,810.09	98.08	78.34	91.73	2,158.61	-3,706.48	1,658.39	1,482.56	175.83	9.432		
11,100.00	7,780.00	10,680.57	7,815.89	100.66	82.84	91.93	2,159.39	-3,885.58	1,659.24	1,476.97	182.26	9.103		
11,200.00	7,780.00	10,843.44	7,820.74	103.24	86.93	92.11	2,152.78	-4,048.24	1,655.42	1,467.26	188.16	8.798		
11,300.00	7,780.00	10,992.43	7,825.62	105.82	90.65	92.29	2,141.71	-4,196.73	1,648.25	1,454.57	193.69	8.510		
11,400.00	7,780.00	11,135.45	7,829.61	108.41	94.20	92.45	2,126.80	-4,338.91	1,637.98	1,438.97	199.01	8.231		
11,500.00	7,780.00	11,245.52	7,832.35	111.01	96.94	92.57	2,113.28	-4,448.11	1,625.87	1,421.75	204.12	7.965		
11,600.00	7,780.00	11,317.00	7,834.10	113.61	98.72	92.65	2,105.11	-4,519.11	1,614.65	1,405.55	209.10	7.722		
11,700.00	7,780.00	11,374.24	7,835.49	116.21	100.17	92.70	2,099.81	-4,576.08	1,605.60	1,391.65	213.95	7.505		
11,800.00	7,780.00	11,430.63	7,836.84	118.82	101.60	92.76	2,096.07	-4,632.33	1,599.19	1,380.51	218.68	7.313		
11,900.00	7,780.00	11,485.03	7,838.10	121.43	103.00	92.81	2,093.99	-4,686.67	1,595.58	1,372.32	223.26	7.147		
12,000.00	7,780.00	11,555.18	7,839.63	124.05	104.81	92.86	2,093.17	-4,756.80	1,594.52	1,366.56	227.96	6.995		
12,025.02	7,780.00	11,575.18	7,840.05	124.71	105.32	92.88	2,093.10	-4,776.80	1,594.48	1,365.31	229.17	6.958		
12,100.00	7,780.00	11,645.31	7,841.51	126.67	107.14	92.93	2,093.17	-4,846.91	1,594.70	1,361.72	232.98	6.845		
12,200.00	7,780.00	11,746.75	7,843.78	129.29	109.78	93.01	2,093.19	-4,948.33	1,594.93	1,356.72	238.21	6.695		
12,300.00	7,780.00	11,862.66	7,846.56	131.92	112.79	93.11	2,092.84	-5,064.20	1,594.87	1,351.18	243.69	6.545		
12,400.00	7,780.00	11,957.00	7,848.98	134.54	115.25	93.20	2,091.87	-5,158.51	1,594.09	1,345.29	248.80	6.407		
12,483.47	7,780.00	12,033.80	7,850.85	136.74	117.25	93.27	2,091.56	-5,235.28	1,593.95	1,340.91	253.04	6.299		
12,500.00	7,780.00	12,049.30	7,851.20	137.17	117.66	93.28	2,091.54	-5,250.78	1,593.95	1,340.07	253.88	6.278		
12,600.00	7,780.00	12,163.14	7,853.73	139.81	120.63	93.37	2,091.02	-5,364.59	1,593.74	1,334.40	259.34	6.145		
12,700.00	7,780.00	12,266.52	7,856.17	142.44	123.33	93.46	2,089.83	-5,467.93	1,592.82	1,328.20	264.62	6.019		
12,747.42	7,780.00	12,297.83	7,856.84	143.69	124.16	93.49	2,089.63	-5,499.23	1,592.61	1,325.78	266.83	5.969		
12,800.00	7,780.00	12,334.51	7,857.55	145.08	125.12	93.51	2,089.74	-5,535.90	1,592.87	1,323.59	269.28	5.915		
12,900.00	7,780.00	12,398.98	7,858.52	147.72	126.81	93.54	2,090.93	-5,600.36	1,594.93	1,321.18	273.76	5.826		
13,000.00	7,780.00	12,482.00	7,859.10	150.36	129.00	93.56	2,094.48	-5,683.30	1,599.22	1,320.62	278.60	5.740		
13,100.00	7,780.00	12,611.72	7,859.73	153.00	132.42	93.57	2,098.15	-5,812.96	1,602.05	1,317.47	284.58	5.630		
13,200.00	7,780.00	12,718.32	7,860.69	155.65	135.23	93.60	2,100.39	-5,919.53	1,604.29	1,314.30	289.99	5.532		
13,300.00	7,780.00	12,814.81	7,861.12	158.29	137.77	93.61	2,102.28	-6,016.00	1,606.37	1,311.18	295.19	5.442		
13,400.00	7,780.00	12,937.17	7,861.58	160.94	141.00	93.62	2,103.91	-6,138.35	1,607.79	1,306.85	300.93	5.343		
13,500.00	7,780.00	13,019.96	7,861.84	163.59	143.19	93.63	2,104.98	-6,221.13	1,609.18	1,303.32	305.86	5.261		
13,600.00	7,780.00	13,120.76	7,862.15	166.24	145.86	93.64	2,106.72	-6,321.92	1,611.02	1,299.85	311.16	5.177		
13,700.00	7,780.00	13,209.49	7,862.33	168.90	148.21	93.64	2,108.60	-6,410.63	1,613.24	1,297.04	316.20	5.102		
13,800.00	7,780.00	13,310.72	7,862.68	171.55	150.89	93.65	2,111.00	-6,511.83	1,615.72	1,294.19	321.52	5.025		
13,900.00	7,780.00	13,401.21	7,863.00	174.20	153.29	93.65	2,113.40	-6,602.28	1,618.48	1,291.89	326.59	4.956		
14,000.00	7,780.00	13,489.53	7,863.34	176.86	155.63	93.66	2,116.33	-6,690.55	1,621.90	1,290.30	331.60	4.891		
14,100.00	7,780.00	13,573.77	7,863.73	179.52	157.87	93.66	2,119.82	-6,774.72	1,626.16	1,289.68	336.48	4.833		
14,200.00	7,780.00	13,670.56	7,864.11	182.18	160.45	93.66	2,124.45	-6,871.40	1,631.05	1,289.35	341.70	4.773		
14,300.00	7,780.00	13,758.30	7,864.43	184.83	162.78	93.67	2,128.99	-6,959.02	1,636.32	1,289.67	346.65	4.720		
14,400.00	7,780.00	13,861.53	7,864.76	187.49	165.53	93.66	2,134.71	-7,062.09	1,641.97	1,289.91	352.06	4.664		
14,500.00	7,780.00	14,000.89	7,865.43	190.16	169.24	93.67	2,140.66	-7,201.32	1,646.40	1,287.97	358.43	4.593		
14,600.00	7,780.00	14,160.48	7,866.86	192.82	173.49	93.72	2,142.30	-7,360.89	1,647.52	1,282.57	364.95	4.514		
14,676.56	7,780.00	14,228.02	7,867.54	194.86	175.28	93.74	2,142.01	-7,428.42	1,647.31	1,278.46	368.85	4.466		
14,700.00	7,780.00	14,248.32	7,867.78	195.48	175.82	93.75	2,141.99	-7,448.72	1,647.33	1,277.30	370.03	4.452		
14,800.00	7,780.00	14,327.64	7,868.65	198.14	177.93	93.78	2,142.51	-7,528.04	1,648.15	1,273.22	374.93	4.396		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
14,900.00	7,780.00	14,403.37	7,869.32	200.81	179.94	93.80	2,144.04	-7,603.75	1,650.31	1,270.63	379.68	4.347		
15,000.00	7,780.00	14,481.82	7,869.76	203.47	182.04	93.81	2,146.78	-7,682.14	1,653.92	1,269.48	384.44	4.302		
15,100.00	7,780.00	14,587.90	7,870.35	206.14	184.87	93.82	2,151.37	-7,788.12	1,658.39	1,268.46	389.93	4.253		
15,200.00	7,780.00	14,776.88	7,871.20	208.81	189.90	93.84	2,153.39	-7,977.07	1,659.60	1,262.54	397.06	4.180		
15,300.00	7,780.00	14,951.46	7,872.43	211.48	194.52	93.90	2,146.43	-8,151.49	1,655.70	1,252.71	402.99	4.109		
15,400.00	7,780.00	15,070.03	7,873.21	214.14	197.64	93.95	2,138.12	-8,269.76	1,648.80	1,240.50	408.30	4.038		
15,500.00	7,780.00	15,163.19	7,873.80	216.81	200.09	93.98	2,131.43	-8,362.68	1,641.78	1,228.21	413.57	3.970		
15,600.00	7,780.00	15,250.68	7,874.23	219.48	202.39	94.01	2,125.71	-8,449.98	1,635.38	1,216.55	418.82	3.905		
15,700.00	7,780.00	15,327.51	7,874.71	222.15	204.42	94.04	2,121.42	-8,526.68	1,629.97	1,205.97	424.01	3.844		
15,800.00	7,780.00	15,397.89	7,875.15	224.82	206.29	94.06	2,118.70	-8,597.01	1,626.27	1,197.21	429.05	3.790		
15,900.00	7,780.00	15,471.00	7,875.97	227.49	208.23	94.09	2,117.31	-8,670.10	1,624.48	1,190.47	434.01	3.743		
15,954.41	7,780.00	15,507.35	7,876.51	228.95	209.20	94.11	2,117.12	-8,706.45	1,624.25	1,187.66	436.59	3.720		
16,000.00	7,780.00	15,542.57	7,877.06	230.16	210.14	94.13	2,117.15	-8,741.66	1,624.39	1,185.58	438.82	3.702		
16,100.00	7,780.00	15,619.03	7,878.29	232.84	212.18	94.17	2,118.02	-8,818.11	1,625.74	1,182.13	443.61	3.665		
16,200.00	7,780.00	15,701.74	7,879.49	235.51	214.40	94.21	2,120.13	-8,900.78	1,628.45	1,179.96	448.49	3.631		
16,300.00	7,780.00	15,838.35	7,881.18	238.18	218.05	94.26	2,123.46	-9,037.34	1,631.28	1,176.62	454.66	3.588		
16,400.00	7,780.00	15,969.84	7,882.82	240.86	221.56	94.32	2,122.79	-9,168.81	1,630.88	1,170.36	460.52	3.541		
16,500.00	7,780.00	16,066.72	7,884.08	243.53	224.14	94.37	2,121.62	-9,265.68	1,629.87	1,164.10	465.77	3.499		
16,592.55	7,780.00	16,145.44	7,885.01	246.01	226.24	94.40	2,121.04	-9,344.39	1,629.37	1,158.92	470.45	3.463		
16,600.00	7,780.00	16,150.42	7,885.07	246.20	226.38	94.40	2,121.03	-9,349.36	1,629.38	1,158.58	470.80	3.461		
16,700.00	7,780.00	16,217.22	7,885.94	248.88	228.16	94.43	2,121.69	-9,416.16	1,630.55	1,155.15	475.40	3.430		
16,800.00	7,780.00	16,304.05	7,887.16	251.55	230.49	94.47	2,123.86	-9,502.95	1,633.23	1,152.85	480.38	3.400		
16,900.00	7,780.00	16,382.81	7,888.16	254.23	232.60	94.50	2,126.52	-9,581.66	1,636.80	1,151.72	485.09	3.374		
17,000.00	7,780.00	16,462.62	7,889.02	256.91	234.74	94.51	2,130.35	-9,661.37	1,641.75	1,152.00	489.76	3.352		
17,100.00	7,780.00	16,595.08	7,890.71	259.58	238.29	94.55	2,136.97	-9,793.65	1,647.14	1,151.05	496.09	3.320		
17,200.00	7,780.00	16,696.33	7,892.00	262.26	241.01	94.59	2,140.19	-9,894.84	1,650.50	1,149.06	501.44	3.292		
17,300.00	7,780.00	16,786.68	7,893.14	264.94	243.43	94.62	2,143.41	-9,985.13	1,654.24	1,147.76	506.48	3.266		
17,400.00	7,780.00	16,929.15	7,894.95	267.61	247.25	94.68	2,145.90	-10,127.55	1,655.83	1,142.93	512.90	3.228		
17,500.00	7,780.00	17,002.84	7,895.80	270.29	249.23	94.70	2,147.54	-10,201.22	1,658.20	1,140.63	517.57	3.204		
17,600.00	7,780.00	17,092.08	7,896.82	272.97	251.62	94.73	2,150.40	-10,290.41	1,661.58	1,138.99	522.58	3.180		
17,700.00	7,780.00	17,181.86	7,897.76	275.65	254.03	94.75	2,153.85	-10,380.12	1,665.58	1,137.98	527.60	3.157		
17,800.00	7,780.00	17,272.48	7,898.63	278.33	256.46	94.77	2,157.90	-10,470.64	1,670.20	1,137.57	532.63	3.136		
17,900.00	7,780.00	17,373.16	7,899.67	281.01	259.17	94.79	2,162.42	-10,571.21	1,674.85	1,136.88	537.98	3.113 ES		
18,000.00	7,780.00	17,442.73	7,900.32	283.69	261.04	94.80	2,166.29	-10,640.67	1,680.57	1,138.35	542.22	3.099		
18,046.30	7,780.00	17,490.33	7,900.73	284.93	262.31	94.81	2,169.42	-10,688.17	1,683.68	1,138.94	544.74	3.091 SF		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	-38.49	1,325.23	-1,053.84	1,693.29					
100.00	100.00	78.86	78.86	0.13	0.19	-38.49	1,325.25	-1,053.83	1,693.18	1,692.85	0.33	5,181.108		
200.00	200.00	172.45	172.45	0.49	0.52	-38.49	1,325.46	-1,053.99	1,693.46	1,692.44	1.02	1,666.904		
300.00	299.98	273.43	273.43	0.85	0.88	-5.07	1,325.78	-1,054.26	1,692.13	1,690.40	1.73	976.703		
400.00	399.84	372.67	372.67	1.22	1.23	-5.10	1,326.07	-1,054.53	1,687.31	1,684.86	2.45	688.600		
500.00	499.52	472.22	472.21	1.58	1.59	-5.13	1,326.36	-1,054.89	1,679.90	1,676.73	3.17	530.059		
600.00	599.20	573.24	573.24	1.96	1.95	-5.16	1,326.57	-1,055.22	1,672.22	1,668.34	3.89	430.198		
700.00	698.87	673.63	673.62	2.33	2.31	-5.19	1,326.67	-1,055.68	1,664.54	1,659.94	4.60	361.678		
800.00	798.54	774.09	774.08	2.71	2.66	-5.23	1,326.63	-1,056.17	1,656.77	1,651.45	5.32	311.586		
900.00	898.22	874.17	874.16	3.09	3.02	-5.27	1,326.55	-1,056.69	1,648.99	1,642.96	6.03	273.403		
1,000.00	997.89	970.52	970.51	3.47	3.36	-5.32	1,326.46	-1,057.28	1,641.27	1,634.53	6.73	243.722		
1,100.00	1,097.57	1,072.56	1,072.55	3.85	3.72	-5.36	1,326.50	-1,057.92	1,633.65	1,626.19	7.46	219.026		
1,200.00	1,197.24	1,173.96	1,173.94	4.23	4.08	-5.41	1,326.28	-1,058.60	1,625.86	1,617.68	8.18	198.774		
1,300.00	1,296.91	1,275.40	1,275.38	4.61	4.44	-5.47	1,325.91	-1,059.30	1,617.96	1,609.06	8.90	181.811		
1,400.00	1,396.59	1,376.20	1,376.18	4.99	4.80	-5.52	1,325.43	-1,059.96	1,609.97	1,600.35	9.62	167.420		
1,500.00	1,496.26	1,474.23	1,474.20	5.37	5.14	-5.58	1,324.93	-1,060.72	1,602.02	1,591.69	10.33	155.156		
1,600.00	1,595.93	1,574.36	1,574.34	5.75	5.50	-5.64	1,324.56	-1,061.36	1,594.10	1,583.06	11.04	144.361		
1,700.00	1,695.61	1,675.95	1,675.92	6.13	5.86	-5.69	1,324.23	-1,061.87	1,586.12	1,574.36	11.76	134.834		
1,800.00	1,795.28	1,775.36	1,775.33	6.51	6.21	-5.73	1,323.92	-1,062.12	1,578.01	1,565.53	12.48	126.484		
1,900.00	1,894.95	1,872.24	1,872.20	6.89	6.55	-5.78	1,323.65	-1,062.64	1,570.09	1,556.91	13.18	119.106		
2,000.00	1,994.63	1,971.53	1,971.50	7.27	6.91	-5.84	1,323.32	-1,063.34	1,562.25	1,548.35	13.90	112.400		
2,100.00	2,094.30	2,069.79	2,069.75	7.65	7.26	-5.90	1,322.98	-1,064.11	1,554.44	1,539.83	14.61	106.378		
2,200.00	2,193.97	2,169.69	2,169.65	8.03	7.62	-5.96	1,322.68	-1,064.98	1,546.73	1,531.40	15.33	100.883		
2,300.00	2,293.65	2,274.49	2,274.45	8.41	7.98	-6.01	1,322.52	-1,065.30	1,538.78	1,522.73	16.05	95.865		
2,400.00	2,393.32	2,373.31	2,373.27	8.79	8.32	-6.04	1,322.49	-1,065.30	1,530.71	1,513.96	16.75	91.368		
2,500.00	2,492.99	2,472.10	2,472.06	9.17	8.66	-6.07	1,322.49	-1,065.38	1,522.74	1,505.28	17.46	87.202		
2,600.00	2,592.67	2,573.07	2,573.03	9.55	9.01	-6.10	1,322.50	-1,065.37	1,514.71	1,496.54	18.17	83.376		
2,700.00	2,692.34	2,672.73	2,672.69	9.93	9.34	-6.14	1,322.49	-1,065.36	1,506.67	1,487.81	18.86	79.881		
2,800.00	2,792.01	2,772.63	2,772.59	10.31	9.67	-6.17	1,322.48	-1,065.30	1,498.59	1,479.04	19.56	76.623		
2,900.00	2,891.69	2,871.75	2,871.71	10.69	10.01	-6.20	1,322.52	-1,065.23	1,490.55	1,470.29	20.26	73.576		
3,000.00	2,991.36	2,971.20	2,971.15	11.07	10.36	-6.23	1,322.52	-1,065.25	1,482.53	1,461.56	20.97	70.712		
3,100.00	3,091.03	3,071.35	3,071.30	11.45	10.71	-6.27	1,322.53	-1,065.23	1,474.50	1,452.83	21.67	68.029		
3,200.00	3,190.71	3,170.06	3,170.01	11.83	11.05	-6.30	1,322.50	-1,065.26	1,466.47	1,444.09	22.38	65.523		
3,300.00	3,290.38	3,270.32	3,270.27	12.21	11.39	-6.33	1,322.58	-1,065.25	1,458.50	1,435.41	23.09	63.171		
3,400.00	3,390.05	3,370.73	3,370.68	12.59	11.74	-6.37	1,322.61	-1,065.17	1,450.45	1,426.65	23.79	60.964		
3,500.00	3,489.73	3,469.11	3,469.06	12.97	12.08	-6.40	1,322.60	-1,065.17	1,442.41	1,417.91	24.50	58.885		
3,600.00	3,589.40	3,568.54	3,568.49	13.35	12.43	-6.44	1,322.60	-1,065.26	1,434.45	1,409.24	25.21	56.902		
3,700.00	3,689.07	3,668.21	3,668.17	13.73	12.78	-6.48	1,322.57	-1,065.39	1,426.48	1,400.56	25.93	55.023		
3,800.00	3,788.75	3,769.81	3,769.77	14.12	13.14	-6.52	1,322.55	-1,065.42	1,418.46	1,391.82	26.64	53.245		
3,900.00	3,888.42	3,868.58	3,868.53	14.50	13.47	-6.56	1,322.53	-1,065.39	1,410.41	1,383.07	27.34	51.589		
4,000.00	3,988.09	3,969.21	3,969.17	14.88	13.82	-6.60	1,322.46	-1,065.38	1,402.32	1,374.27	28.05	49.997		
4,100.00	4,087.77	4,066.34	4,066.30	15.26	14.16	-6.64	1,322.44	-1,065.44	1,394.33	1,365.57	28.75	48.493		
4,200.00	4,187.44	4,166.28	4,166.23	15.64	14.52	-6.68	1,322.50	-1,065.54	1,386.41	1,356.95	29.47	47.048		
4,300.00	4,287.11	4,267.48	4,267.44	16.02	14.87	-6.72	1,322.45	-1,065.63	1,378.41	1,348.23	30.19	45.664		
4,400.00	4,386.79	4,367.67	4,367.63	16.40	15.23	-6.77	1,322.35	-1,065.68	1,370.35	1,339.45	30.90	44.347		
4,500.00	4,486.46	4,467.51	4,467.47	16.78	15.58	-6.81	1,322.22	-1,065.71	1,362.25	1,330.64	31.61	43.093		
4,600.00	4,586.14	4,565.70	4,565.66	17.16	15.92	-6.85	1,322.18	-1,065.71	1,354.20	1,321.88	32.32	41.905		
4,700.00	4,685.81	4,664.81	4,664.77	17.54	16.26	-6.90	1,322.17	-1,065.86	1,346.27	1,313.25	33.02	40.766		
4,800.00	4,785.48	4,765.01	4,764.96	17.92	16.61	-6.93	1,322.25	-1,065.83	1,338.30	1,304.57	33.73	39.675		
4,900.00	4,885.16	4,864.71	4,864.66	18.30	16.95	-6.97	1,322.34	-1,065.78	1,330.32	1,295.89	34.44	38.631		
5,000.00	4,984.83	4,965.48	4,965.44	18.68	17.30	-7.01	1,322.39	-1,065.73	1,322.31	1,287.17	35.14	37.626		
5,100.00	5,084.50	5,064.91	5,064.87	19.06	17.64	-7.05	1,322.40	-1,065.63	1,314.24	1,278.39	35.85	36.659		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	5,184.18	5,163.47	5,163.43	19.44	17.98	-7.09	1,322.42	-1,065.63	1,306.24	1,269.68	36.56	35.731		
5,300.00	5,283.85	5,246.69	5,246.64	19.82	18.27	-7.11	1,323.15	-1,065.50	1,298.81	1,261.59	37.22	34.895		
5,400.00	5,383.52	5,329.77	5,329.67	20.21	18.56	-7.04	1,325.92	-1,064.84	1,292.81	1,254.93	37.88	34.131		
5,500.00	5,483.20	5,419.40	5,419.06	20.59	18.87	-6.82	1,331.81	-1,062.21	1,287.89	1,249.34	38.55	33.406		
5,600.00	5,582.87	5,543.43	5,542.18	20.97	19.30	-6.23	1,343.85	-1,053.57	1,282.96	1,243.62	39.33	32.617		
5,700.00	5,682.54	5,748.93	5,743.80	21.35	20.02	-4.55	1,363.64	-1,019.85	1,271.64	1,231.40	40.24	31.600		
5,800.00	5,782.22	5,850.73	5,842.70	21.73	20.38	-3.51	1,372.76	-997.48	1,257.22	1,216.25	40.97	30.690		
5,900.00	5,881.89	5,946.72	5,935.79	22.11	20.73	-2.48	1,381.57	-975.79	1,242.99	1,201.30	41.69	29.812		
6,000.00	5,981.56	6,035.06	6,021.61	22.49	21.06	-1.54	1,389.62	-956.47	1,229.55	1,187.13	42.42	28.985		
6,100.00	6,081.24	6,126.84	6,110.63	22.87	21.41	-0.51	1,398.75	-936.09	1,217.01	1,173.86	43.16	28.200		
6,200.00	6,180.91	6,212.47	6,193.34	23.25	21.75	0.54	1,408.53	-916.18	1,205.57	1,161.68	43.89	27.468		
6,300.00	6,280.58	6,306.46	6,283.94	23.63	22.12	1.75	1,420.09	-894.00	1,195.22	1,150.57	44.65	26.770		
6,400.00	6,380.26	6,397.25	6,371.27	24.01	22.49	2.96	1,431.78	-872.13	1,185.69	1,140.29	45.41	26.113		
6,500.00	6,479.93	6,476.84	6,447.45	24.39	22.83	4.10	1,443.27	-852.14	1,177.63	1,131.49	46.14	25.525		
6,600.00	6,579.60	6,556.83	6,523.51	24.77	23.17	5.33	1,456.54	-831.26	1,171.68	1,124.81	46.87	25.000		
6,700.00	6,679.28	6,638.55	6,600.65	25.15	23.54	6.67	1,471.67	-808.93	1,167.70	1,120.10	47.60	24.530		
6,800.00	6,778.95	6,723.90	6,680.20	25.53	23.93	8.21	1,489.34	-783.57	1,165.66	1,117.30	48.36	24.104		
6,900.00	6,878.62	6,817.70	6,766.61	25.92	24.39	10.04	1,509.95	-753.43	1,165.06	1,115.89	49.18	23.691		
6,906.20	6,884.80	6,823.80	6,772.19	25.94	24.42	10.16	1,511.31	-751.39	1,165.06	1,115.83	49.23	23.665 CC		
7,000.00	6,978.30	6,912.73	6,853.15	26.30	24.88	12.00	1,531.35	-720.53	1,165.52	1,115.51	50.02	23.302		
7,100.00	7,077.97	7,000.79	6,932.56	26.68	25.35	13.90	1,551.69	-688.37	1,167.50	1,116.67	50.82	22.972		
7,200.00	7,177.64	7,081.57	7,004.54	27.06	25.80	15.72	1,571.11	-657.27	1,171.53	1,119.96	51.57	22.718		
7,300.00	7,277.20	7,151.01	7,066.72	27.44	26.20	17.48	1,588.44	-631.70	1,177.99	1,125.80	52.19	22.570		
7,400.00	7,374.70	7,200.42	7,111.85	27.87	26.46	19.28	1,601.24	-616.25	1,184.29	1,131.71	52.58	22.522		
7,500.00	7,467.14	7,259.00	7,167.05	28.34	26.76	21.08	1,617.22	-605.14	1,191.21	1,138.13	53.08	22.442		
7,600.00	7,551.72	7,289.17	7,195.79	28.86	26.89	22.88	1,625.87	-602.06	1,198.76	1,145.48	53.28	22.499		
7,700.00	7,625.87	7,327.48	7,232.21	29.46	27.06	24.72	1,637.52	-599.73	1,207.94	1,154.23	53.71	22.491		
7,800.00	7,687.33	7,364.47	7,267.21	30.18	27.21	26.64	1,649.44	-599.16	1,219.18	1,164.83	54.35	22.431		
7,900.00	7,734.24	7,403.64	7,304.14	31.04	27.36	28.64	1,662.42	-600.35	1,232.71	1,177.38	55.33	22.278		
8,000.00	7,765.16	7,436.46	7,334.95	32.07	27.48	30.72	1,673.50	-602.78	1,248.91	1,192.35	56.56	22.079		
8,100.00	7,779.17	7,888.34	7,709.07	33.26	28.47	32.88	1,761.35	-814.03	1,258.73	1,197.84	60.88	20.674		
8,200.00	7,780.00	7,988.89	7,764.59	34.59	28.75	35.20	1,765.30	-897.59	1,262.30	1,199.65	62.65	20.147		
8,300.00	7,780.00	8,084.45	7,803.11	36.06	29.21	37.72	1,768.63	-984.92	1,267.04	1,202.37	64.67	19.592		
8,400.00	7,780.00	8,219.34	7,839.44	37.67	30.24	40.36	1,772.34	-1,114.57	1,271.40	1,204.19	67.21	18.916		
8,500.00	7,780.00	8,349.87	7,852.58	39.41	31.61	43.04	1,773.94	-1,244.31	1,273.49	1,203.29	70.20	18.142		
8,600.00	7,780.00	8,524.13	7,855.31	41.24	33.88	45.88	1,769.59	-1,418.46	1,271.25	1,197.29	73.96	17.187		
8,700.00	7,780.00	8,612.24	7,856.23	43.17	35.20	48.80	1,764.15	-1,506.40	1,265.40	1,188.15	77.26	16.380		
8,800.00	7,780.00	8,674.00	7,856.77	45.18	36.17	51.84	1,762.97	-1,568.14	1,263.25	1,182.82	80.43	15.706		
8,816.63	7,780.00	8,674.00	7,856.77	45.52	36.17	52.16	1,762.97	-1,568.14	1,263.14	1,182.29	80.85	15.623		
8,900.00	7,780.00	8,712.69	7,857.14	47.25	36.84	54.88	1,763.76	-1,606.82	1,264.77	1,181.36	83.42	15.162		
9,000.00	7,780.00	8,769.00	7,857.89	49.39	37.81	58.00	1,766.74	-1,663.04	1,270.16	1,183.52	86.63	14.661		
9,100.00	7,780.00	8,894.36	7,859.61	51.58	40.12	61.36	1,774.69	-1,788.13	1,276.82	1,185.74	91.08	14.018		
9,200.00	7,780.00	9,037.59	7,861.69	53.81	42.93	64.88	1,778.35	-1,931.30	1,279.34	1,183.39	95.95	13.333		
9,300.00	7,780.00	9,157.17	7,863.37	56.09	45.38	68.56	1,779.13	-2,050.86	1,280.20	1,179.62	100.58	12.728		
9,400.00	7,780.00	9,280.12	7,865.46	58.40	48.00	72.40	1,777.66	-2,173.78	1,279.21	1,173.86	105.35	12.142		
9,500.00	7,780.00	9,378.01	7,867.11	60.74	50.14	76.40	1,775.53	-2,271.64	1,277.28	1,167.46	109.83	11.630		
9,600.00	7,780.00	9,460.91	7,868.69	63.11	51.98	80.80	1,774.53	-2,354.52	1,276.34	1,162.21	114.13	11.183		
9,615.48	7,780.00	9,473.40	7,868.94	63.48	52.26	81.20	1,774.49	-2,367.00	1,276.33	1,161.53	114.80	11.118		
9,700.00	7,780.00	9,539.66	7,870.20	65.51	53.76	86.00	1,774.75	-2,433.25	1,276.88	1,158.48	118.40	10.784		
9,800.00	7,780.00	9,610.98	7,871.46	67.93	55.40	91.00	1,776.40	-2,504.53	1,279.43	1,156.88	122.55	10.440		
9,900.00	7,780.00	9,703.07	7,873.00	70.37	57.55	96.40	1,779.95	-2,596.55	1,283.50	1,156.36	127.14	10.095		
10,000.00	7,780.00	9,850.97	7,875.17	72.82	61.05	102.40	1,784.07	-2,744.36	1,286.78	1,153.91	132.87	9.684		

CC - Min centre to center distance or convergent 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 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
10,100.00	7,780.00	9,964.26	7,876.76	75.30	63.76	95.21	1,782.70	-2,857.63	1,285.66	1,147.71	137.95	9.320		
10,125.59	7,780.00	9,983.74	7,877.06	75.93	64.22	95.22	1,782.61	-2,877.11	1,285.60	1,146.51	139.08	9.243		
10,200.00	7,780.00	9,997.00	7,877.26	77.79	64.54	95.23	1,782.60	-2,890.37	1,287.07	1,145.59	141.49	9.097		
10,300.00	7,780.00	10,043.76	7,877.97	80.29	65.67	95.26	1,784.65	-2,937.06	1,292.84	1,147.76	145.09	8.911		
10,400.00	7,780.00	10,091.00	7,878.63	82.80	66.82	95.26	1,790.78	-2,983.88	1,304.79	1,156.29	148.49	8.787		
10,500.00	7,780.00	10,339.24	7,882.86	85.32	72.92	95.40	1,803.00	-3,231.33	1,306.91	1,149.74	157.17	8.315		
10,600.00	7,780.00	10,374.00	7,883.22	87.86	73.78	95.41	1,803.88	-3,266.08	1,310.49	1,149.79	160.70	8.155		
10,700.00	7,780.00	10,441.02	7,884.18	90.40	75.45	95.43	1,808.06	-3,332.95	1,317.36	1,152.54	164.83	7.992		
10,800.00	7,780.00	10,611.24	7,888.09	92.95	79.73	95.55	1,819.31	-3,502.71	1,324.64	1,153.02	171.62	7.718		
10,900.00	7,780.00	10,900.00	7,891.06	95.51	86.99	95.68	1,819.02	-3,716.20	1,325.51	1,145.00	180.50	7.343		
11,000.00	7,780.00	10,986.54	7,893.24	98.08	89.14	95.84	1,805.17	-3,877.08	1,316.51	1,132.33	184.19	7.148		
11,100.00	7,780.00	11,059.91	7,894.12	100.66	90.98	95.90	1,798.72	-3,950.16	1,307.98	1,118.94	189.03	6.919		
11,200.00	7,780.00	11,185.57	7,895.81	103.24	94.14	96.03	1,787.24	-4,075.28	1,299.03	1,104.79	194.24	6.688		
11,300.00	7,780.00	11,242.04	7,896.54	105.82	95.56	96.08	1,782.65	-4,131.55	1,291.17	1,092.20	198.97	6.489		
11,400.00	7,780.00	11,299.88	7,897.24	108.41	97.04	96.13	1,779.88	-4,189.32	1,286.62	1,083.07	203.55	6.321		
11,494.90	7,780.00	11,357.00	7,897.83	110.88	98.50	96.16	1,778.98	-4,246.43	1,285.28	1,077.51	207.78	6.186		
11,500.00	7,780.00	11,357.00	7,897.83	111.01	98.50	96.16	1,778.98	-4,246.43	1,285.29	1,077.35	207.94	6.181		
11,600.00	7,780.00	11,429.64	7,898.60	113.61	100.38	96.19	1,779.82	-4,319.06	1,286.68	1,074.18	212.50	6.055		
11,700.00	7,780.00	11,559.95	7,900.29	116.21	103.75	96.25	1,781.66	-4,449.33	1,288.40	1,070.12	218.28	5.902		
11,800.00	7,780.00	11,644.88	7,901.36	118.82	105.95	96.30	1,782.12	-4,534.26	1,289.17	1,066.04	223.13	5.778		
11,900.00	7,780.00	11,734.40	7,902.38	121.43	108.28	96.33	1,783.51	-4,623.75	1,290.92	1,062.85	228.07	5.660		
12,000.00	7,780.00	11,859.53	7,903.60	124.05	111.53	96.38	1,784.01	-4,748.88	1,291.37	1,057.60	233.77	5.524		
12,100.00	7,780.00	11,948.81	7,904.54	126.67	113.86	96.42	1,784.76	-4,838.15	1,292.37	1,053.64	238.73	5.414		
12,200.00	7,780.00	12,049.77	7,905.57	129.29	116.49	96.47	1,784.76	-4,939.11	1,292.57	1,048.64	243.93	5.299		
12,300.00	7,780.00	12,112.00	7,906.26	131.92	118.12	96.49	1,786.18	-5,001.31	1,295.03	1,046.79	248.23	5.217		
12,400.00	7,780.00	12,154.77	7,906.75	134.54	119.24	96.50	1,788.73	-5,044.00	1,301.13	1,049.43	251.70	5.169		
12,500.00	7,780.00	12,206.00	7,907.27	137.17	120.58	96.49	1,794.20	-5,094.93	1,311.60	1,056.53	255.07	5.142		
12,600.00	7,780.00	12,262.96	7,907.86	139.81	122.07	96.48	1,802.23	-5,151.31	1,325.53	1,067.14	258.38	5.130		
12,700.00	7,780.00	12,700.00	7,909.90	142.44	133.54	96.45	1,826.35	-5,340.62	1,339.28	1,065.48	273.80	4.891		
12,800.00	7,780.00	12,606.79	7,911.48	145.08	131.09	96.48	1,834.15	-5,493.25	1,344.02	1,069.79	274.22	4.901		
12,900.00	7,780.00	12,730.42	7,912.97	147.72	134.35	96.52	1,838.15	-5,616.80	1,347.45	1,067.40	280.05	4.811		
13,000.00	7,780.00	12,882.44	7,914.76	150.36	138.36	96.59	1,839.18	-5,768.80	1,348.48	1,062.19	286.29	4.710		
13,100.00	7,780.00	12,994.23	7,916.52	153.00	141.29	96.68	1,837.14	-5,880.56	1,346.96	1,055.29	291.66	4.618		
13,200.00	7,780.00	13,107.40	7,918.25	155.65	144.27	96.76	1,833.78	-5,993.66	1,344.27	1,047.24	297.03	4.526		
13,300.00	7,780.00	13,208.17	7,919.76	158.29	146.91	96.85	1,830.16	-6,094.35	1,340.97	1,038.74	302.23	4.437		
13,400.00	7,780.00	13,302.65	7,921.01	160.94	149.40	96.91	1,827.08	-6,188.78	1,337.98	1,030.62	307.36	4.353		
13,500.00	7,780.00	13,400.96	7,922.32	163.59	151.99	96.98	1,824.19	-6,287.03	1,335.32	1,022.77	312.55	4.272		
13,600.00	7,780.00	13,495.22	7,923.55	166.24	154.47	97.05	1,821.56	-6,381.25	1,332.80	1,015.12	317.68	4.195		
13,700.00	7,780.00	13,620.80	7,925.19	168.90	157.78	97.14	1,817.67	-6,506.76	1,330.07	1,006.91	323.17	4.116		
13,800.00	7,780.00	13,795.31	7,927.08	171.55	162.33	97.31	1,802.04	-6,680.51	1,320.13	991.68	328.44	4.019		
13,900.00	7,780.00	13,873.26	7,927.73	174.20	164.36	97.37	1,794.79	-6,758.13	1,311.12	977.45	333.67	3.929		
14,000.00	7,780.00	13,951.97	7,928.36	176.86	166.42	97.44	1,788.86	-6,836.61	1,303.83	964.99	338.84	3.848		
14,100.00	7,780.00	14,025.03	7,929.09	179.52	168.34	97.49	1,784.48	-6,909.53	1,298.16	954.26	343.90	3.775		
14,200.00	7,780.00	14,094.00	7,929.53	182.18	170.16	97.52	1,782.38	-6,978.47	1,295.18	946.38	348.80	3.713		
14,250.93	7,780.00	14,117.99	7,929.62	183.53	170.80	97.53	1,782.20	-7,002.46	1,294.75	943.73	351.03	3.688		
14,300.00	7,780.00	14,147.55	7,929.71	184.83	171.59	97.53	1,782.38	-7,032.02	1,295.12	941.93	353.19	3.667		
14,400.00	7,780.00	14,207.59	7,929.85	187.49	173.18	97.53	1,784.15	-7,092.03	1,298.17	940.80	357.36	3.633		
14,500.00	7,780.00	14,267.08	7,929.98	190.16	174.77	97.51	1,787.76	-7,151.40	1,304.30	943.10	361.19	3.611		
14,600.00	7,780.00	14,356.36	7,930.18	192.82	177.14	97.48	1,795.25	-7,240.37	1,312.70	946.63	366.06	3.586		
14,700.00	7,780.00	14,465.56	7,930.53	195.48	180.05	97.44	1,804.09	-7,349.21	1,320.87	949.11	371.76	3.553		
14,800.00	7,780.00	14,583.35	7,931.04	198.14	183.20	97.42	1,812.43	-7,466.70	1,328.05	950.29	377.76	3.516		
14,900.00	7,780.00	14,688.42	7,931.34	200.81	186.00	97.40	1,818.08	-7,571.62	1,333.47	950.21	383.25	3.479		

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 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
15,000.00	7,780.00	14,756.00	7,931.48	203.47	187.80	97.37	1,823.28	-7,638.99	1,341.04	953.75	387.29	3.463		
15,100.00	7,780.00	14,854.08	7,931.85	206.14	190.42	97.34	1,832.12	-7,736.68	1,350.11	957.58	392.53	3.440		
15,200.00	7,780.00	15,170.97	7,933.53	208.81	198.81	97.44	1,825.81	-8,052.89	1,343.28	941.21	402.06	3.341		
15,300.00	7,780.00	15,253.15	7,933.94	211.48	200.97	97.49	1,820.10	-8,134.87	1,336.52	929.21	407.31	3.281		
15,400.00	7,780.00	15,340.82	7,934.55	214.14	203.29	97.55	1,814.64	-8,222.37	1,330.55	918.05	412.50	3.226		
15,500.00	7,780.00	15,416.00	7,934.89	216.81	205.28	97.58	1,811.43	-8,297.48	1,326.39	908.78	417.61	3.176		
15,600.00	7,780.00	15,480.22	7,935.07	219.48	206.99	97.60	1,810.17	-8,361.68	1,324.47	902.03	422.44	3.135		
15,700.00	7,780.00	15,576.34	7,935.48	222.15	209.55	97.62	1,809.86	-8,457.81	1,324.27	896.63	427.64	3.097		
15,800.00	7,780.00	15,682.43	7,935.99	224.82	212.38	97.64	1,808.85	-8,563.89	1,323.48	890.47	433.01	3.056		
15,866.35	7,780.00	15,736.45	7,936.31	226.59	213.82	97.66	1,808.41	-8,617.90	1,323.09	886.79	436.29	3.033		
15,900.00	7,780.00	15,761.52	7,936.46	227.49	214.49	97.66	1,808.45	-8,642.97	1,323.20	885.30	437.90	3.022		
16,000.00	7,780.00	15,841.33	7,936.93	230.16	216.62	97.68	1,809.54	-8,722.77	1,324.69	881.99	442.70	2.992		
16,100.00	7,780.00	15,921.24	7,937.37	232.84	218.76	97.68	1,811.69	-8,802.65	1,327.54	880.12	447.42	2.967		
16,200.00	7,780.00	15,998.52	7,937.85	235.51	220.83	97.68	1,815.16	-8,879.85	1,332.15	880.20	451.94	2.948		
16,300.00	7,780.00	16,085.48	7,938.27	238.18	223.16	97.67	1,820.15	-8,966.67	1,337.99	881.23	456.75	2.929		
16,400.00	7,780.00	16,166.12	7,938.79	240.86	225.32	97.66	1,825.74	-9,047.11	1,345.04	883.80	461.24	2.916		
16,500.00	7,780.00	16,308.87	7,939.84	243.53	229.14	97.66	1,834.36	-9,189.60	1,351.21	882.94	468.26	2.886		
16,600.00	7,780.00	16,430.58	7,940.57	246.20	232.40	97.66	1,838.65	-9,311.23	1,354.85	880.59	474.26	2.857		
16,700.00	7,780.00	16,504.41	7,941.10	248.88	234.38	97.67	1,841.12	-9,385.01	1,358.46	879.75	478.71	2.838		
16,800.00	7,780.00	16,578.97	7,941.60	251.55	236.38	97.67	1,845.69	-9,459.42	1,364.60	881.58	483.03	2.825		
16,900.00	7,780.00	16,692.89	7,942.30	254.23	239.43	97.65	1,852.87	-9,573.12	1,371.06	882.14	488.92	2.804		
17,000.00	7,780.00	16,865.75	7,943.24	256.91	244.06	97.66	1,858.83	-9,745.85	1,375.00	878.64	496.37	2.770		
17,100.00	7,780.00	17,062.20	7,944.51	259.58	249.29	97.75	1,850.92	-9,942.09	1,370.49	868.23	502.26	2.729		
17,200.00	7,780.00	17,159.45	7,945.07	262.26	251.86	97.82	1,844.03	-10,039.09	1,363.65	856.16	507.48	2.687		
17,300.00	7,780.00	17,232.86	7,945.56	264.94	253.81	97.86	1,839.70	-10,112.37	1,358.04	845.29	512.75	2.649		
17,400.00	7,780.00	17,305.00	7,946.04	267.61	255.73	97.89	1,837.50	-10,184.48	1,355.03	837.18	517.85	2.617		
17,500.00	7,780.00	17,458.96	7,946.96	270.29	259.83	97.97	1,830.59	-10,338.26	1,350.84	827.69	523.15	2.582		
17,600.00	7,780.00	17,540.81	7,947.56	272.97	262.00	98.03	1,825.19	-10,419.92	1,344.60	816.18	528.42	2.545		
17,700.00	7,780.00	17,603.71	7,948.00	275.65	263.67	98.06	1,822.68	-10,482.77	1,340.86	807.35	533.51	2.513		
17,776.95	7,780.00	17,649.46	7,948.29	277.71	264.90	98.08	1,822.06	-10,528.51	1,339.96	802.85	537.12	2.495		
17,800.00	7,780.00	17,663.17	7,948.37	278.33	265.26	98.08	1,822.08	-10,542.22	1,340.04	801.90	538.15	2.490		
17,900.00	7,780.00	17,730.21	7,948.73	281.01	267.06	98.09	1,823.36	-10,609.26	1,342.05	799.49	542.57	2.474 ES		
18,000.00	7,780.00	17,794.98	7,949.09	283.69	268.80	98.09	1,826.03	-10,673.96	1,346.38	799.80	546.58	2.463		
18,046.30	7,780.00	17,820.18	7,949.24	284.93	269.47	98.08	1,827.66	-10,699.11	1,349.41	801.32	548.09	2.462 SF		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	-37.41	1,325.23	-1,013.62	1,668.55					
100.00	100.00	75.32	75.32	0.13	0.18	-37.41	1,325.24	-1,013.72	1,668.51	1,668.19	0.32	5,295.212		
200.00	200.00	175.69	175.69	0.49	0.54	-37.42	1,325.33	-1,014.17	1,668.85	1,667.81	1.03	1,616.046		
300.00	299.98	279.28	279.28	0.85	0.91	-4.00	1,325.43	-1,014.30	1,667.26	1,665.50	1.76	948.641		
400.00	399.84	379.75	379.75	1.22	1.25	-4.02	1,325.47	-1,014.23	1,662.03	1,659.56	2.47	673.115		
500.00	499.52	477.30	477.30	1.58	1.59	-4.04	1,325.58	-1,014.19	1,654.21	1,651.04	3.17	521.067		
600.00	599.20	575.49	575.49	1.96	1.94	-4.05	1,325.80	-1,014.23	1,646.36	1,642.48	3.88	424.149		
700.00	698.87	681.04	681.04	2.33	2.32	-4.07	1,326.04	-1,014.13	1,638.43	1,633.82	4.61	355.236		
800.00	798.54	788.22	788.22	2.71	2.69	-4.08	1,325.94	-1,013.57	1,629.98	1,624.64	5.34	305.158		
900.00	898.22	890.49	890.48	3.09	3.04	-4.08	1,325.69	-1,012.73	1,621.24	1,615.18	6.05	267.800		
1,000.00	997.89	985.26	985.25	3.47	3.37	-4.09	1,325.40	-1,012.13	1,612.56	1,605.82	6.74	239.132		
1,100.00	1,097.57	1,080.76	1,080.75	3.85	3.70	-4.10	1,325.31	-1,011.73	1,604.18	1,596.74	7.44	215.649		
1,200.00	1,197.24	1,182.30	1,182.29	4.23	4.06	-4.11	1,325.27	-1,011.36	1,595.87	1,587.71	8.16	195.638		
1,300.00	1,296.91	1,275.25	1,275.24	4.61	4.39	-4.12	1,325.44	-1,011.05	1,587.75	1,578.90	8.85	179.436		
1,400.00	1,396.59	1,375.61	1,375.59	4.99	4.75	-4.13	1,325.71	-1,010.85	1,579.78	1,570.22	9.57	165.133		
1,500.00	1,496.26	1,475.81	1,475.80	5.37	5.10	-4.14	1,325.84	-1,010.70	1,571.75	1,561.47	10.28	152.824		
1,600.00	1,595.93	1,574.90	1,574.88	5.75	5.46	-4.15	1,326.01	-1,010.62	1,563.78	1,552.78	11.00	142.180		
1,700.00	1,695.61	1,678.39	1,678.37	6.13	5.82	-4.17	1,326.12	-1,010.42	1,555.69	1,543.96	11.73	132.654		
1,800.00	1,795.28	1,779.60	1,779.58	6.51	6.18	-4.17	1,326.24	-1,009.78	1,547.34	1,534.90	12.45	124.298		
1,900.00	1,894.95	1,877.01	1,876.99	6.89	6.53	-4.17	1,326.40	-1,009.25	1,539.09	1,525.93	13.16	116.972		
2,000.00	1,994.63	1,975.28	1,975.26	7.27	6.88	-4.18	1,326.62	-1,008.84	1,530.96	1,517.09	13.87	110.376		
2,100.00	2,094.30	2,075.13	2,075.12	7.65	7.24	-4.18	1,326.81	-1,008.53	1,522.87	1,508.28	14.59	104.388		
2,200.00	2,193.97	2,174.47	2,174.45	8.03	7.59	-4.19	1,326.96	-1,008.24	1,514.76	1,499.45	15.31	98.971		
2,300.00	2,293.65	2,273.37	2,273.35	8.41	7.95	-4.21	1,327.04	-1,008.13	1,506.70	1,490.69	16.02	94.065		
2,400.00	2,393.32	2,373.47	2,373.45	8.79	8.29	-4.23	1,327.03	-1,008.16	1,498.66	1,481.93	16.72	89.611		
2,500.00	2,492.99	2,473.35	2,473.33	9.17	8.64	-4.26	1,327.02	-1,008.13	1,490.57	1,473.14	17.43	85.507		
2,600.00	2,592.67	2,572.36	2,572.34	9.55	8.99	-4.28	1,327.06	-1,008.09	1,482.53	1,464.39	18.15	81.702		
2,700.00	2,692.34	2,672.35	2,672.33	9.93	9.34	-4.30	1,327.07	-1,008.09	1,474.49	1,455.63	18.86	78.174		
2,800.00	2,792.01	2,771.95	2,771.93	10.31	9.70	-4.32	1,327.08	-1,008.08	1,466.44	1,446.86	19.58	74.907		
2,900.00	2,891.69	2,871.48	2,871.46	10.69	10.05	-4.35	1,327.11	-1,008.05	1,458.39	1,438.10	20.29	71.867		
3,000.00	2,991.36	2,970.68	2,970.66	11.07	10.40	-4.37	1,327.17	-1,008.02	1,450.37	1,429.36	21.01	69.046		
3,100.00	3,091.03	3,070.56	3,070.54	11.45	10.75	-4.39	1,327.23	-1,008.04	1,442.37	1,420.65	21.72	66.413		
3,200.00	3,190.71	3,170.18	3,170.16	11.83	11.10	-4.41	1,327.29	-1,007.99	1,434.34	1,411.91	22.43	63.950		
3,300.00	3,290.38	3,269.50	3,269.48	12.21	11.44	-4.44	1,327.33	-1,008.03	1,426.34	1,403.21	23.13	61.657		
3,400.00	3,390.05	3,369.86	3,369.84	12.59	11.79	-4.46	1,327.36	-1,008.07	1,418.34	1,394.50	23.84	59.486		
3,500.00	3,489.73	3,469.74	3,469.72	12.97	12.14	-4.49	1,327.36	-1,008.07	1,410.29	1,385.73	24.56	57.430		
3,600.00	3,589.40	3,570.27	3,570.25	13.35	12.49	-4.52	1,327.33	-1,008.06	1,402.22	1,376.95	25.27	55.492		
3,700.00	3,689.07	3,669.80	3,669.78	13.73	12.83	-4.55	1,327.25	-1,008.07	1,394.11	1,368.14	25.97	53.681		
3,800.00	3,788.75	3,769.75	3,769.73	14.12	13.17	-4.58	1,327.15	-1,008.10	1,386.00	1,359.33	26.67	51.969		
3,900.00	3,888.42	3,870.29	3,870.27	14.50	13.51	-4.61	1,327.00	-1,008.13	1,377.84	1,350.47	27.37	50.336		
4,000.00	3,988.09	3,968.25	3,968.23	14.88	13.85	-4.64	1,326.90	-1,008.16	1,369.74	1,341.67	28.07	48.799		
4,100.00	4,087.77	4,067.85	4,067.83	15.26	14.18	-4.67	1,326.85	-1,008.21	1,361.68	1,332.91	28.77	47.332		
4,200.00	4,187.44	4,166.81	4,166.79	15.64	14.52	-4.70	1,326.82	-1,008.27	1,353.64	1,324.17	29.47	45.936		
4,300.00	4,287.11	4,265.92	4,265.90	16.02	14.86	-4.73	1,326.85	-1,008.40	1,345.70	1,315.53	30.17	44.605		
4,400.00	4,386.79	4,367.62	4,367.60	16.40	15.21	-4.76	1,326.75	-1,008.49	1,337.63	1,306.76	30.88	43.320		
4,500.00	4,486.46	4,468.40	4,468.38	16.78	15.55	-4.80	1,326.59	-1,008.58	1,329.52	1,297.93	31.58	42.093		
4,600.00	4,586.14	4,567.14	4,567.12	17.16	15.89	-4.85	1,326.17	-1,008.81	1,321.28	1,288.99	32.29	40.921		
4,700.00	4,685.81	4,664.29	4,664.27	17.54	16.23	-4.86	1,326.55	-1,008.46	1,313.31	1,280.32	32.99	39.805		
4,800.00	4,785.48	4,764.29	4,764.27	17.92	16.59	-4.88	1,326.75	-1,008.35	1,305.36	1,271.65	33.71	38.726		
4,900.00	4,885.16	4,863.93	4,863.90	18.30	16.94	-4.90	1,326.91	-1,008.31	1,297.41	1,262.99	34.42	37.692		
5,000.00	4,984.83	4,964.33	4,964.30	18.68	17.29	-4.93	1,327.06	-1,008.24	1,289.44	1,254.31	35.13	36.701		
5,100.00	5,084.50	5,064.93	5,064.91	19.06	17.64	-4.96	1,327.05	-1,008.26	1,281.40	1,245.56	35.84	35.751		

CC - Min centre to center distance or convergent 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 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
5,200.00	5,184.18	5,164.82	5,164.80	19.44	17.98	-4.99	1,327.00	-1,008.24	1,273.31	1,236.76	36.55	34.836		
5,300.00	5,283.85	5,264.62	5,264.59	19.82	18.33	-5.02	1,326.94	-1,008.23	1,265.21	1,227.95	37.26	33.956		
5,400.00	5,383.52	5,364.53	5,364.51	20.21	18.68	-5.04	1,327.16	-1,007.84	1,257.10	1,219.13	37.97	33.107		
5,500.00	5,483.20	5,468.83	5,468.75	20.59	19.05	-4.93	1,328.85	-1,005.31	1,248.81	1,210.11	38.70	32.272		
5,600.00	5,582.87	5,569.87	5,569.51	20.97	19.48	-4.60	1,332.63	-998.10	1,239.55	1,200.10	39.46	31.415		
5,700.00	5,682.54	5,713.20	5,712.20	21.35	19.91	-4.08	1,336.76	-986.33	1,228.28	1,188.07	40.21	30.545		
5,800.00	5,782.22	5,830.18	5,828.23	21.73	20.33	-3.45	1,340.77	-971.95	1,215.52	1,174.57	40.95	29.683		
5,900.00	5,881.89	5,959.19	5,955.64	22.11	20.80	-2.60	1,344.72	-952.16	1,200.75	1,159.07	41.69	28.803		
6,000.00	5,981.56	6,070.10	6,064.73	22.49	21.21	-1.74	1,347.94	-932.40	1,184.64	1,142.23	42.41	27.930		
6,100.00	6,081.24	6,203.33	6,195.01	22.87	21.71	-0.54	1,351.15	-904.79	1,166.74	1,123.61	43.13	27.050		
6,200.00	6,180.91	6,335.68	6,323.18	23.25	22.22	0.91	1,352.86	-871.86	1,145.90	1,102.07	43.83	26.143		
6,300.00	6,280.58	6,430.12	6,414.19	23.63	22.59	2.04	1,353.37	-846.66	1,123.90	1,079.31	44.59	25.204		
6,400.00	6,380.26	6,505.00	6,486.24	24.01	22.90	3.01	1,355.06	-826.35	1,103.51	1,058.12	45.39	24.314		
6,500.00	6,479.93	6,578.04	6,556.34	24.39	23.20	4.06	1,358.58	-806.13	1,085.48	1,039.30	46.18	23.506		
6,600.00	6,579.60	6,665.99	6,640.25	24.77	23.57	5.46	1,364.87	-780.54	1,069.41	1,022.43	46.98	22.764		
6,700.00	6,679.28	6,751.17	6,720.67	25.15	23.95	7.00	1,372.58	-753.59	1,054.64	1,006.85	47.79	22.067		
6,800.00	6,778.95	6,831.63	6,795.90	25.53	24.32	8.60	1,381.63	-726.55	1,041.94	993.33	48.61	21.434		
6,900.00	6,878.62	6,916.44	6,874.40	25.92	24.72	10.44	1,392.99	-696.50	1,031.62	982.17	49.45	20.863		
7,000.00	6,978.30	7,008.82	6,959.93	26.30	25.16	12.47	1,405.28	-663.86	1,022.74	972.43	50.31	20.328		
7,100.00	7,077.97	7,089.30	7,035.76	26.68	25.54	14.07	1,415.12	-638.78	1,015.70	964.59	51.11	19.873		
7,200.00	7,177.64	7,156.67	7,101.36	27.06	25.84	14.98	1,422.39	-625.57	1,011.80	960.02	51.78	19.540		
7,300.00	7,277.20	7,225.20	7,169.23	27.44	26.10	43.00	1,429.48	-619.51	1,010.63	958.26	52.38	19.295		
7,400.00	7,374.70	7,289.18	7,232.73	27.87	26.33	60.31	1,436.96	-617.55	1,008.41	955.48	52.93	19.052		
7,500.00	7,467.14	7,354.00	7,296.88	28.34	26.54	66.40	1,445.25	-621.50	1,005.34	951.85	53.49	18.794		
7,600.00	7,551.72	7,442.53	7,382.71	28.86	26.79	70.66	1,454.52	-640.32	1,000.67	946.40	54.27	18.438		
7,700.00	7,625.87	7,519.30	7,453.40	29.46	26.97	73.91	1,459.54	-669.65	993.81	938.74	55.07	18.047		
7,800.00	7,687.33	7,579.60	7,505.70	30.18	27.11	76.54	1,463.06	-699.42	987.05	931.09	55.96	17.640		
7,900.00	7,734.24	7,638.00	7,553.12	31.04	27.25	78.92	1,467.70	-733.14	982.75	925.65	57.10	17.212		
7,971.71	7,758.10	7,668.35	7,576.43	31.78	27.34	80.14	1,470.71	-752.34	981.69	923.63	58.06	16.908		
8,000.00	7,765.16	7,682.18	7,586.76	32.07	27.37	80.63	1,472.23	-761.42	981.86	923.39	58.47	16.793		
8,100.00	7,779.17	7,732.00	7,622.31	33.26	27.52	82.18	1,478.56	-795.71	985.49	925.37	60.13	16.390		
8,200.00	7,780.00	7,960.44	7,744.44	34.59	28.64	89.09	1,487.89	-986.16	984.55	921.98	62.57	15.735		
8,300.00	7,780.00	8,031.98	7,763.68	36.06	29.16	90.22	1,486.54	-1,054.98	982.54	917.86	64.68	15.191		
8,310.25	7,780.00	8,038.62	7,764.93	36.23	29.21	90.29	1,486.52	-1,061.50	982.52	917.61	64.91	15.136		
8,400.00	7,780.00	8,097.94	7,771.94	37.67	29.72	90.70	1,487.35	-1,120.36	983.95	916.96	66.99	14.688		
8,500.00	7,780.00	8,226.07	7,773.37	39.41	31.04	90.78	1,490.24	-1,248.43	986.49	916.53	69.96	14.100		
8,600.00	7,780.00	8,357.27	7,774.31	41.24	32.70	90.83	1,487.07	-1,379.57	983.86	910.54	73.32	13.419		
8,700.00	7,780.00	8,445.54	7,775.44	43.17	33.97	90.90	1,484.90	-1,467.81	981.53	904.92	76.60	12.813		
8,800.00	7,780.00	8,540.23	7,777.44	45.18	35.47	91.02	1,483.64	-1,562.47	980.31	900.16	80.15	12.231		
8,900.00	7,780.00	8,643.48	7,779.65	47.25	37.23	91.15	1,482.18	-1,665.69	979.02	895.04	83.98	11.658		
9,000.00	7,780.00	8,739.95	7,781.83	49.39	38.98	91.28	1,480.67	-1,762.12	977.61	889.71	87.90	11.122		
9,100.00	7,780.00	8,837.11	7,784.01	51.58	40.84	91.41	1,479.66	-1,859.25	976.71	884.74	91.97	10.620		
9,199.32	7,780.00	8,928.46	7,785.96	53.80	42.66	91.52	1,479.06	-1,950.57	976.20	880.15	96.06	10.163		
9,200.00	7,780.00	8,929.06	7,785.97	53.81	42.67	91.52	1,479.06	-1,951.18	976.20	880.12	96.09	10.160		
9,300.00	7,780.00	9,021.56	7,788.02	56.09	44.58	91.64	1,479.33	-2,043.65	976.65	876.34	100.31	9.736		
9,400.00	7,780.00	9,140.33	7,790.69	58.40	47.11	91.80	1,479.35	-2,162.39	976.89	871.86	105.04	9.300		
9,480.01	7,780.00	9,209.21	7,792.04	60.27	48.61	91.88	1,478.76	-2,231.26	976.34	867.85	108.49	8.999		
9,500.00	7,780.00	9,225.82	7,792.31	60.74	48.98	91.90	1,478.77	-2,247.86	976.38	867.04	109.34	8.930		
9,600.00	7,780.00	9,295.96	7,793.46	63.11	50.54	91.96	1,479.85	-2,317.98	978.12	864.72	113.41	8.625		
9,700.00	7,780.00	9,364.52	7,794.81	65.51	52.09	92.03	1,483.22	-2,386.44	983.17	865.78	117.40	8.375		
9,800.00	7,780.00	9,439.58	7,796.40	67.93	53.81	92.11	1,489.18	-2,461.25	991.21	869.71	121.50	8.158		
9,900.00	7,780.00	9,618.99	7,800.42	70.37	58.00	92.32	1,498.67	-2,640.31	996.98	868.98	128.00	7.789		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
10,000.00	7,780.00	9,750.01	7,803.06	72.82	61.11	92.48	1,497.72	-2,771.29	996.40	863.06	133.34	7.473		
10,100.00	7,780.00	9,874.01	7,805.65	75.30	64.08	92.64	1,493.51	-2,895.19	993.19	854.67	138.52	7.170		
10,200.00	7,780.00	9,945.16	7,806.49	77.79	65.80	92.69	1,490.64	-2,966.27	989.57	846.56	143.01	6.920		
10,232.87	7,780.00	9,963.01	7,806.68	78.61	66.23	92.71	1,490.48	-2,984.13	989.32	844.95	144.38	6.852		
10,300.00	7,780.00	10,000.48	7,807.11	80.29	67.14	92.73	1,491.02	-3,021.58	990.36	843.26	147.10	6.732		
10,400.00	7,780.00	10,091.76	7,808.24	82.80	69.39	92.78	1,494.02	-3,112.80	993.80	841.93	151.87	6.544		
10,500.00	7,780.00	10,304.14	7,811.17	85.32	74.63	92.96	1,490.53	-3,325.02	992.65	834.05	158.59	6.259		
10,600.00	7,780.00	10,440.40	7,812.82	87.86	77.98	93.10	1,476.82	-3,460.56	982.53	818.80	163.73	6.001		
10,700.00	7,780.00	10,522.74	7,813.89	90.40	80.02	93.19	1,467.89	-3,542.41	971.92	803.26	168.66	5.763		
10,800.00	7,780.00	10,595.08	7,814.85	92.95	81.82	93.27	1,461.96	-3,614.50	963.92	790.42	173.51	5.556		
10,900.00	7,780.00	10,658.00	7,815.63	95.51	83.40	93.33	1,458.55	-3,677.32	958.89	780.76	178.13	5.383		
11,000.00	7,780.00	10,733.26	7,816.60	98.08	85.30	93.39	1,456.88	-3,752.56	957.00	774.20	182.80	5.235		
11,004.06	7,780.00	10,736.00	7,816.64	98.19	85.37	93.39	1,456.87	-3,755.29	957.00	774.01	182.98	5.230 CC		
11,100.00	7,780.00	10,807.72	7,817.65	100.66	87.20	93.45	1,457.75	-3,826.99	958.30	770.95	187.36	5.115		
11,200.00	7,780.00	10,873.96	7,818.52	103.24	88.89	93.49	1,460.19	-3,893.18	962.29	770.74	191.56	5.024		
11,300.00	7,780.00	10,942.00	7,819.42	105.82	90.63	93.52	1,466.16	-3,960.94	970.83	775.22	195.61	4.963		
11,400.00	7,780.00	11,048.09	7,820.75	108.41	93.36	93.56	1,477.04	-4,066.46	981.33	780.35	200.98	4.883		
11,500.00	7,780.00	11,245.86	7,823.43	111.01	98.45	93.70	1,482.77	-4,264.03	983.80	775.12	208.68	4.714		
11,600.00	7,780.00	11,342.44	7,824.84	113.61	100.95	93.78	1,481.55	-4,360.60	982.73	768.95	213.77	4.597		
11,700.00	7,780.00	11,437.42	7,826.27	116.21	103.40	93.87	1,480.49	-4,455.56	981.82	762.97	218.85	4.486		
11,722.71	7,780.00	11,455.83	7,826.53	116.81	103.88	93.89	1,480.42	-4,473.97	981.77	761.83	219.94	4.464		
11,800.00	7,780.00	11,517.15	7,827.34	118.82	105.47	93.93	1,480.76	-4,535.28	982.36	758.75	223.61	4.393		
11,900.00	7,780.00	11,587.91	7,828.16	121.43	107.31	93.97	1,482.85	-4,606.00	985.47	757.43	228.04	4.322		
12,000.00	7,780.00	11,662.45	7,829.00	124.05	109.26	94.00	1,487.14	-4,680.41	991.38	758.96	232.42	4.266		
12,100.00	7,780.00	11,739.29	7,829.94	126.67	111.26	94.03	1,493.43	-4,756.99	999.70	762.95	236.75	4.223		
12,200.00	7,780.00	11,822.78	7,830.99	129.29	113.44	94.06	1,502.02	-4,840.03	1,010.11	768.84	241.27	4.187		
12,300.00	7,780.00	11,933.09	7,832.49	131.92	116.32	94.09	1,513.91	-4,949.68	1,021.10	774.16	246.94	4.135		
12,400.00	7,780.00	12,107.55	7,834.65	134.54	120.90	94.16	1,525.95	-5,123.68	1,028.72	774.08	254.65	4.040		
12,500.00	7,780.00	12,279.34	7,836.96	137.17	125.39	94.31	1,522.05	-5,295.37	1,025.74	764.71	261.03	3.930		
12,600.00	7,780.00	12,375.28	7,838.06	139.81	127.89	94.39	1,517.47	-5,391.20	1,021.18	754.98	266.20	3.836		
12,700.00	7,780.00	12,436.53	7,838.85	142.44	129.49	94.44	1,516.12	-5,452.43	1,019.17	748.28	270.89	3.762		
12,715.61	7,780.00	12,451.00	7,839.07	142.85	129.87	94.45	1,516.14	-5,466.90	1,019.22	747.53	271.68	3.752		
12,800.00	7,780.00	12,526.19	7,840.08	145.08	131.85	94.50	1,516.63	-5,542.08	1,019.89	743.98	275.91	3.696		
12,900.00	7,780.00	12,619.93	7,841.19	147.72	134.32	94.56	1,517.55	-5,635.81	1,021.06	740.05	281.01	3.634		
13,000.00	7,780.00	12,727.33	7,842.38	150.36	137.15	94.62	1,518.76	-5,743.19	1,022.37	735.96	286.41	3.570		
13,100.00	7,780.00	12,831.86	7,843.22	153.00	139.91	94.67	1,519.17	-5,847.71	1,022.92	731.16	291.75	3.506		
13,200.00	7,780.00	12,910.20	7,844.00	155.65	141.98	94.71	1,520.18	-5,926.04	1,024.36	727.85	296.51	3.455		
13,300.00	7,780.00	13,027.32	7,844.86	158.29	145.08	94.74	1,522.22	-6,043.14	1,026.29	724.12	302.17	3.396		
13,400.00	7,780.00	13,124.22	7,845.16	160.94	147.64	94.75	1,523.35	-6,140.03	1,027.56	720.18	307.38	3.343		
13,500.00	7,780.00	13,278.56	7,845.88	163.59	151.71	94.81	1,520.80	-6,294.33	1,026.06	712.65	313.41	3.274		
13,600.00	7,780.00	13,507.34	7,847.20	166.24	157.66	94.99	1,497.64	-6,521.73	1,016.79	699.90	316.90	3.209		
13,700.00	7,780.00	13,585.00	7,847.69	168.90	159.64	95.08	1,485.43	-6,598.42	1,001.23	678.59	322.64	3.103		
13,800.00	7,780.00	13,633.38	7,848.01	171.55	160.90	95.13	1,479.56	-6,646.44	989.16	660.35	328.82	3.008		
13,900.00	7,780.00	13,680.00	7,848.38	174.20	162.11	95.17	1,476.03	-6,692.92	982.02	647.81	334.20	2.938		
14,000.00	7,780.00	13,752.87	7,848.94	176.86	164.04	95.21	1,473.49	-6,765.74	978.83	639.65	339.18	2.886		
14,100.00	7,780.00	13,876.89	7,849.81	179.52	167.32	95.28	1,470.80	-6,889.72	977.00	632.31	344.69	2.834		
14,200.00	7,780.00	13,954.31	7,850.33	182.18	169.37	95.32	1,468.74	-6,967.11	974.43	624.72	349.72	2.786		
14,300.00	7,780.00	14,037.77	7,850.90	184.83	171.59	95.36	1,467.96	-7,050.56	973.66	618.96	354.70	2.745		
14,346.26	7,780.00	14,107.37	7,851.46	186.07	173.43	95.39	1,467.41	-7,120.15	973.49	615.98	357.50	2.723		
14,400.00	7,780.00	14,203.55	7,852.08	187.49	175.97	95.46	1,462.72	-7,216.21	970.88	610.42	360.46	2.693		
14,500.00	7,780.00	14,284.29	7,852.54	190.16	178.10	95.51	1,456.90	-7,296.74	964.10	598.38	365.72	2.636		
14,600.00	7,780.00	14,340.00	7,853.05	192.82	179.58	95.55	1,455.62	-7,352.42	961.85	591.37	370.48	2.596		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
14,601.19	7,780.00	14,340.00	7,853.05	192.85	179.58	95.55	1,455.62	-7,352.42	961.85	591.33	370.52	2.596		
14,700.00	7,780.00	14,404.17	7,853.66	195.48	181.29	95.58	1,456.83	-7,416.57	963.80	588.99	374.80	2.571		
14,800.00	7,780.00	14,477.67	7,854.19	198.14	183.25	95.59	1,460.50	-7,489.98	968.88	589.81	379.06	2.556		
14,900.00	7,780.00	14,554.81	7,854.75	200.81	185.30	95.59	1,466.15	-7,566.90	976.34	593.09	383.26	2.547		
15,000.00	7,780.00	14,631.67	7,855.14	203.47	187.35	95.57	1,473.65	-7,643.40	986.18	598.93	387.25	2.547		
15,100.00	7,780.00	14,719.56	7,855.61	206.14	189.69	95.54	1,483.73	-7,730.71	997.73	605.91	391.81	2.546		
15,200.00	7,780.00	14,910.13	7,856.71	208.81	194.77	95.52	1,498.38	-7,920.64	1,005.74	604.16	401.58	2.504		
15,300.00	7,780.00	15,042.33	7,857.21	211.48	198.29	95.54	1,499.28	-8,052.83	1,006.34	598.65	407.69	2.468		
15,321.92	7,780.00	15,062.69	7,857.26	212.06	198.84	95.55	1,499.24	-8,073.19	1,006.33	597.50	408.82	2.462		
15,400.00	7,780.00	15,141.25	7,857.58	214.14	200.93	95.56	1,499.22	-8,151.75	1,006.41	593.45	412.97	2.437		
15,500.00	7,780.00	15,247.55	7,858.39	216.81	203.76	95.61	1,498.65	-8,258.05	1,006.04	587.68	418.36	2.405		
15,600.00	7,780.00	15,355.59	7,858.80	219.48	206.64	95.64	1,497.38	-8,366.07	1,005.00	581.23	423.77	2.372		
15,700.00	7,780.00	15,450.92	7,859.47	222.15	209.19	95.69	1,495.90	-8,461.39	1,003.62	574.64	428.98	2.340		
15,800.00	7,780.00	15,552.82	7,860.20	224.82	211.90	95.74	1,494.72	-8,563.28	1,002.63	568.34	434.29	2.309		
15,874.56	7,780.00	15,615.37	7,860.63	226.81	213.57	95.76	1,494.14	-8,625.83	1,002.08	564.05	438.03	2.288		
15,900.00	7,780.00	15,635.53	7,860.80	227.49	214.11	95.77	1,494.15	-8,645.98	1,002.15	562.89	439.26	2.281		
16,000.00	7,780.00	15,713.27	7,861.48	230.16	216.19	95.81	1,495.27	-8,723.72	1,003.76	559.80	443.96	2.261		
16,100.00	7,780.00	15,791.02	7,862.17	232.84	218.27	95.83	1,498.16	-8,801.40	1,007.63	559.17	448.46	2.247		
16,200.00	7,780.00	15,877.35	7,863.41	235.51	220.58	95.87	1,503.11	-8,887.59	1,013.53	560.39	453.15	2.237		
16,300.00	7,780.00	15,967.67	7,864.38	238.18	223.00	95.89	1,508.47	-8,977.74	1,019.69	561.72	457.98	2.227		
16,400.00	7,780.00	16,039.00	7,865.07	240.86	224.90	95.89	1,515.23	-9,048.74	1,029.02	567.36	461.66	2.229		
16,500.00	7,780.00	16,111.89	7,865.80	243.53	226.85	95.88	1,524.07	-9,121.08	1,041.01	575.86	465.14	2.238		
16,600.00	7,780.00	16,337.35	7,868.55	246.20	232.88	95.96	1,536.99	-9,345.97	1,046.19	569.78	476.41	2.196		
16,700.00	7,780.00	16,458.76	7,870.12	248.88	236.12	96.05	1,536.06	-9,467.37	1,045.64	563.64	482.01	2.169		
16,800.00	7,780.00	16,587.84	7,871.75	251.55	239.56	96.16	1,532.17	-9,596.37	1,042.91	555.53	487.38	2.140		
16,900.00	7,780.00	16,717.21	7,872.94	254.23	243.00	96.27	1,524.41	-9,725.49	1,037.13	544.78	492.35	2.107		
17,000.00	7,780.00	16,811.79	7,874.17	256.91	245.50	96.38	1,517.63	-9,819.83	1,030.24	532.63	497.61	2.070		
17,100.00	7,780.00	16,892.92	7,875.40	259.58	247.65	96.48	1,512.73	-9,900.79	1,024.50	521.52	502.97	2.037		
17,200.00	7,780.00	16,975.82	7,876.71	262.26	249.86	96.57	1,509.17	-9,983.61	1,020.49	512.30	508.19	2.008		
17,300.00	7,780.00	17,057.76	7,877.94	264.94	252.05	96.65	1,507.06	-10,065.51	1,018.21	504.93	513.28	1.984		
17,400.00	7,780.00	17,148.37	7,879.26	267.61	254.47	96.73	1,506.08	-10,156.11	1,017.38	499.00	518.38	1.963		
17,444.09	7,780.00	17,187.63	7,879.89	268.79	255.52	96.77	1,505.85	-10,195.36	1,017.25	496.65	520.60	1.954		
17,500.00	7,780.00	17,233.74	7,880.61	270.29	256.75	96.81	1,505.95	-10,241.47	1,017.52	494.20	523.32	1.944		
17,600.00	7,780.00	17,318.94	7,881.88	272.97	259.04	96.87	1,507.22	-10,326.64	1,019.26	491.10	528.16	1.930		
17,700.00	7,780.00	17,419.02	7,883.34	275.65	261.72	96.93	1,509.69	-10,426.68	1,021.98	488.56	533.42	1.916		
17,800.00	7,780.00	17,533.05	7,885.17	278.33	264.78	97.02	1,511.37	-10,540.68	1,023.73	484.69	539.04	1.899		
17,900.00	7,780.00	17,659.98	7,886.98	281.01	268.18	97.13	1,510.79	-10,667.60	1,023.56	478.84	544.72	1.879		
18,000.00	7,780.00	17,762.00	7,888.44	283.69	270.90	97.23	1,507.63	-10,769.55	1,020.73	470.80	549.93	1.856		
18,018.28	7,780.00	17,762.00	7,888.44	284.17	270.90	97.23	1,507.63	-10,769.55	1,020.57	469.93	550.64	1.853		
18,046.30	7,780.00	17,762.00	7,888.44	284.93	270.90	97.23	1,507.63	-10,769.55	1,020.95	469.57	551.38	1.852 ES, SF		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	-36.31	1,325.23	-973.97	1,644.76					
100.00	100.00	68.26	68.26	0.13	0.16	-36.32	1,325.28	-974.16	1,644.84	1,644.55	0.29	5,644.625		
200.00	200.00	160.94	160.93	0.49	0.49	-36.35	1,325.63	-975.43	1,645.94	1,644.96	0.98	1,676.434		
300.00	299.98	260.87	260.85	0.85	0.85	-2.95	1,326.12	-976.68	1,645.34	1,643.64	1.70	969.093		
400.00	399.84	364.48	364.45	1.22	1.22	-2.98	1,326.62	-977.87	1,641.17	1,638.74	2.43	674.522		
500.00	499.52	466.38	466.35	1.58	1.58	-3.02	1,326.98	-978.85	1,634.14	1,630.98	3.16	516.731		
600.00	599.20	570.26	570.23	1.96	1.96	-3.05	1,327.39	-979.53	1,626.78	1,622.89	3.89	418.064		
700.00	698.87	671.56	671.52	2.33	2.31	-3.06	1,327.84	-979.73	1,619.19	1,614.58	4.61	351.299		
800.00	798.54	772.70	772.67	2.71	2.67	-3.07	1,328.24	-979.89	1,611.54	1,606.21	5.33	302.472		
900.00	898.22	874.59	874.55	3.09	3.04	-3.08	1,328.54	-979.99	1,603.77	1,597.72	6.05	265.088		
1,000.00	997.89	967.66	967.62	3.47	3.37	-3.10	1,328.92	-980.21	1,596.17	1,589.43	6.74	236.711		
1,100.00	1,097.57	1,062.64	1,062.60	3.85	3.71	-3.11	1,329.60	-980.56	1,588.90	1,581.46	7.44	213.455		
1,200.00	1,197.24	1,165.80	1,165.75	4.23	4.07	-3.11	1,330.50	-980.87	1,581.72	1,573.55	8.17	193.549		
1,300.00	1,296.91	1,265.87	1,265.82	4.61	4.43	-3.12	1,331.26	-981.03	1,574.36	1,565.47	8.89	177.099		
1,400.00	1,396.59	1,360.29	1,360.24	4.99	4.77	-3.12	1,332.14	-981.24	1,567.17	1,557.58	9.59	163.445		
1,500.00	1,496.26	1,465.54	1,465.48	5.37	5.14	-3.12	1,333.13	-981.38	1,559.94	1,549.61	10.32	151.096		
1,600.00	1,595.93	1,563.70	1,563.64	5.75	5.49	-3.12	1,333.94	-981.50	1,552.61	1,541.58	11.04	140.690		
1,700.00	1,695.61	1,662.46	1,662.39	6.13	5.84	-3.12	1,334.92	-981.56	1,545.38	1,533.63	11.75	131.531		
1,800.00	1,795.28	1,762.83	1,762.76	6.51	6.20	-3.11	1,336.02	-981.50	1,538.15	1,525.68	12.47	123.372		
1,900.00	1,894.95	1,861.93	1,861.85	6.89	6.55	-3.10	1,337.03	-981.46	1,530.88	1,517.70	13.18	116.133		
2,000.00	1,994.63	1,959.11	1,959.02	7.27	6.90	-3.10	1,337.97	-981.76	1,523.78	1,509.89	13.89	109.688		
2,100.00	2,094.30	2,058.54	2,058.45	7.65	7.26	-3.11	1,338.87	-982.28	1,516.75	1,502.14	14.61	103.814		
2,200.00	2,193.97	2,158.92	2,158.83	8.03	7.62	-3.13	1,339.70	-982.91	1,509.72	1,494.39	15.33	98.470		
2,300.00	2,293.65	2,279.16	2,279.06	8.41	8.04	-3.14	1,340.32	-983.11	1,502.21	1,486.10	16.11	93.232		
2,400.00	2,393.32	2,462.34	2,462.05	8.79	8.66	-2.98	1,338.93	-975.79	1,491.31	1,474.27	17.04	87.531		
2,500.00	2,492.99	2,564.98	2,564.49	9.17	9.00	-2.90	1,335.53	-970.24	1,477.41	1,459.68	17.73	83.309		
2,600.00	2,592.67	2,664.36	2,663.67	9.55	9.33	-2.88	1,330.98	-965.88	1,463.10	1,444.67	18.42	79.417		
2,700.00	2,692.34	2,756.58	2,755.71	9.93	9.64	-2.84	1,327.46	-961.34	1,449.07	1,429.97	19.10	75.874		
2,800.00	2,792.01	2,847.87	2,846.81	10.31	9.95	-2.74	1,325.06	-956.11	1,435.54	1,415.76	19.78	72.591		
2,900.00	2,891.69	2,942.34	2,941.10	10.69	10.28	-2.60	1,323.50	-950.39	1,422.58	1,402.12	20.46	69.517		
3,000.00	2,991.36	3,050.78	3,049.33	11.07	10.66	-2.48	1,320.93	-944.23	1,409.28	1,388.10	21.19	66.522		
3,100.00	3,091.03	3,142.32	3,140.70	11.45	10.97	-2.40	1,318.11	-939.50	1,395.74	1,373.87	21.87	63.828		
3,200.00	3,190.71	3,216.27	3,214.58	11.83	11.23	-2.35	1,316.42	-936.53	1,383.52	1,361.01	22.51	61.471		
3,300.00	3,290.38	3,279.83	3,278.12	12.21	11.45	-2.34	1,315.76	-935.41	1,373.59	1,350.48	23.11	59.428		
3,400.00	3,390.05	3,372.01	3,370.30	12.59	11.76	-2.36	1,315.66	-935.52	1,365.48	1,341.68	23.80	57.382		
3,500.00	3,489.73	3,471.05	3,469.34	12.97	12.10	-2.38	1,315.57	-935.63	1,357.40	1,332.90	24.50	55.402		
3,600.00	3,589.40	3,572.49	3,570.78	13.35	12.45	-2.39	1,315.52	-935.65	1,349.31	1,324.10	25.21	53.518		
3,700.00	3,689.07	3,669.10	3,667.39	13.73	12.79	-2.41	1,315.48	-935.70	1,341.24	1,315.33	25.91	51.765		
3,800.00	3,788.75	3,771.02	3,769.31	14.12	13.14	-2.43	1,315.47	-935.81	1,333.22	1,306.60	26.63	50.074		
3,900.00	3,888.42	3,870.24	3,868.53	14.50	13.48	-2.45	1,315.41	-935.87	1,325.15	1,297.82	27.33	48.485		
4,000.00	3,988.09	3,972.64	3,970.93	14.88	13.84	-2.49	1,314.97	-936.22	1,316.93	1,288.88	28.05	46.957		
4,100.00	4,087.77	4,069.95	4,068.23	15.26	14.17	-2.51	1,314.72	-936.39	1,308.75	1,280.01	28.74	45.532		
4,200.00	4,187.44	4,169.44	4,167.73	15.64	14.52	-2.53	1,314.71	-936.35	1,300.66	1,271.21	29.45	44.166		
4,300.00	4,287.11	4,268.99	4,267.28	16.02	14.86	-2.55	1,314.59	-936.49	1,292.57	1,262.42	30.16	42.862		
4,400.00	4,386.79	4,369.85	4,368.13	16.40	15.21	-2.57	1,314.49	-936.59	1,284.48	1,253.61	30.87	41.613		
4,500.00	4,486.46	4,475.00	4,473.28	16.78	15.57	-2.60	1,314.19	-936.49	1,276.14	1,244.55	31.59	40.400		
4,600.00	4,586.14	4,572.86	4,571.14	17.16	15.91	-2.63	1,313.50	-936.39	1,267.44	1,235.15	32.29	39.254		
4,700.00	4,685.81	4,668.00	4,666.28	17.54	16.24	-2.65	1,313.31	-936.46	1,259.25	1,226.26	32.98	38.178		
4,800.00	4,785.48	4,767.78	4,766.07	17.92	16.58	-2.67	1,313.25	-936.46	1,251.14	1,217.45	33.69	37.136		
4,900.00	4,885.16	4,866.39	4,864.68	18.30	16.92	-2.69	1,313.24	-936.44	1,243.05	1,208.65	34.40	36.140		
5,000.00	4,984.83	4,965.82	4,964.10	18.68	17.27	-2.70	1,313.35	-936.41	1,235.05	1,199.95	35.11	35.181		
5,100.00	5,084.50	5,066.37	5,064.65	19.06	17.62	-2.72	1,313.37	-936.42	1,227.01	1,191.19	35.82	34.256		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
5,200.00	5,184.18	5,166.70	5,164.98	19.44	17.97	-2.73	1,313.34	-936.39	1,218.90	1,182.37	36.53	33.369		
5,300.00	5,283.85	5,265.45	5,263.74	19.82	18.32	-2.76	1,313.25	-936.45	1,210.80	1,173.56	37.24	32.517		
5,400.00	5,383.52	5,365.63	5,363.91	20.21	18.66	-2.78	1,313.19	-936.52	1,202.73	1,164.78	37.95	31.695		
5,500.00	5,483.20	5,465.35	5,463.63	20.59	19.01	-2.80	1,313.11	-936.57	1,194.63	1,155.97	38.66	30.904		
5,600.00	5,582.87	5,603.69	5,601.96	20.97	19.49	-2.80	1,311.96	-934.91	1,185.30	1,145.86	39.44	30.052		
5,700.00	5,682.54	5,749.94	5,747.91	21.35	20.00	-2.63	1,307.78	-926.90	1,171.60	1,131.41	40.19	29.150		
5,800.00	5,782.22	5,845.77	5,843.35	21.73	20.34	-2.38	1,305.33	-918.64	1,156.44	1,115.55	40.90	28.277		
5,900.00	5,881.89	5,952.27	5,949.29	22.11	20.72	-2.02	1,303.50	-907.93	1,141.15	1,099.54	41.61	27.428		
6,000.00	5,981.56	6,091.96	6,087.92	22.49	21.22	-1.43	1,299.95	-891.13	1,124.27	1,081.98	42.30	26.581		
6,100.00	6,081.24	6,295.60	6,287.61	22.87	21.98	-0.25	1,285.79	-854.33	1,100.20	1,057.47	42.73	25.746		
6,200.00	6,180.91	6,412.76	6,401.18	23.25	22.43	0.50	1,272.14	-829.01	1,070.58	1,027.25	43.34	24.705		
6,300.00	6,280.58	6,506.84	6,492.20	23.63	22.80	1.16	1,260.78	-808.09	1,040.46	996.41	44.05	23.623		
6,400.00	6,380.26	6,612.18	6,593.77	24.01	23.23	2.05	1,248.61	-782.97	1,010.05	965.35	44.70	22.595		
6,500.00	6,479.93	6,724.47	6,701.26	24.39	23.70	3.21	1,235.25	-753.35	978.19	932.87	45.32	21.584		
6,600.00	6,579.60	6,823.90	6,796.20	24.77	24.12	4.29	1,222.41	-726.80	945.65	899.63	46.02	20.549		
6,700.00	6,679.28	6,920.67	6,888.63	25.15	24.55	5.35	1,208.81	-701.54	912.74	866.01	46.74	19.529		
6,800.00	6,778.95	7,008.57	6,972.56	25.53	24.94	6.40	1,196.65	-678.45	880.23	832.70	47.53	18.518		
6,900.00	6,878.62	7,092.81	7,053.05	25.92	25.33	7.54	1,186.16	-655.89	848.98	800.60	48.38	17.549		
7,000.00	6,978.30	7,176.32	7,133.29	26.30	25.70	8.61	1,175.47	-635.42	818.86	769.64	49.23	16.634		
7,100.00	7,077.97	7,238.12	7,193.69	26.68	25.96	9.05	1,166.88	-625.78	791.85	741.65	50.19	15.776		
7,200.00	7,177.64	7,285.44	7,240.48	27.06	26.14	9.08	1,160.49	-623.02	769.67	718.52	51.14	15.049		
7,300.00	7,277.20	7,325.15	7,280.07	27.44	26.28	37.05	1,157.56	-622.86	754.15	702.22	51.93	14.522		
7,400.00	7,374.70	7,354.00	7,308.90	27.87	26.38	54.75	1,157.02	-623.90	740.82	688.36	52.46	14.121		
7,500.00	7,467.14	7,422.80	7,377.22	28.34	26.58	61.77	1,158.47	-631.46	727.14	674.08	53.06	13.704		
7,600.00	7,551.72	7,474.13	7,427.34	28.86	26.73	66.36	1,161.12	-642.14	714.44	660.87	53.57	13.337		
7,700.00	7,625.87	7,522.54	7,473.62	29.46	26.86	70.17	1,165.46	-655.63	704.06	649.90	54.17	12.998		
7,800.00	7,687.33	7,608.60	7,552.77	30.18	27.07	75.21	1,174.36	-687.99	696.15	640.73	55.42	12.562		
7,900.00	7,734.24	7,755.06	7,674.19	31.04	27.45	82.50	1,173.56	-768.88	682.78	625.68	57.09	11.959		
8,000.00	7,765.16	7,824.05	7,722.75	32.07	27.64	86.65	1,169.49	-817.64	669.85	611.24	58.61	11.428		
8,100.00	7,779.17	7,888.63	7,761.71	33.26	27.88	90.13	1,166.94	-869.02	663.06	602.71	60.35	10.986		
8,147.76	7,781.12	7,921.00	7,778.61	33.89	28.00	91.51	1,166.34	-896.62	662.33	601.13	61.21	10.821		
8,200.00	7,780.00	7,959.35	7,796.56	34.59	28.20	93.16	1,166.16	-930.50	663.36	601.21	62.15	10.674		
8,300.00	7,780.00	8,054.39	7,831.79	36.06	28.78	96.18	1,167.61	-1,018.62	668.22	604.18	64.04	10.435		
8,400.00	7,780.00	8,176.71	7,850.47	37.67	29.76	97.75	1,168.80	-1,139.23	671.09	604.76	66.33	10.117		
8,500.00	7,780.00	8,299.54	7,852.12	39.41	31.00	97.89	1,168.71	-1,262.03	671.32	602.18	69.14	9.709		
8,600.00	7,780.00	8,413.37	7,852.70	41.24	32.43	97.98	1,165.17	-1,375.80	668.37	596.09	72.29	9.246		
8,700.00	7,780.00	8,508.75	7,854.43	43.17	33.79	98.17	1,161.49	-1,471.10	664.91	589.33	75.57	8.798		
8,800.00	7,780.00	8,599.18	7,855.61	45.18	35.21	98.30	1,159.13	-1,561.49	662.59	583.56	79.03	8.384		
8,900.00	7,780.00	8,690.94	7,857.12	47.25	36.76	98.44	1,158.02	-1,653.23	661.73	579.05	82.68	8.004		
9,000.00	7,780.00	8,791.59	7,859.24	49.39	38.57	98.63	1,157.25	-1,753.85	661.37	574.81	86.56	7.641		
9,081.30	7,780.00	8,874.98	7,861.23	51.17	40.14	98.81	1,156.37	-1,837.22	660.88	571.06	89.82	7.358 CC		
9,100.00	7,780.00	8,884.01	7,861.42	51.58	40.32	98.83	1,156.41	-1,846.24	660.96	570.48	90.48	7.305		
9,200.00	7,780.00	8,958.00	7,862.54	53.81	41.78	98.89	1,158.67	-1,920.18	664.13	569.89	94.25	7.047		
9,300.00	7,780.00	9,032.46	7,863.45	56.09	43.29	98.90	1,163.88	-1,994.45	671.16	573.13	98.03	6.847		
9,400.00	7,780.00	9,151.67	7,865.61	58.40	45.79	98.97	1,172.53	-2,113.32	678.81	576.04	102.77	6.605		
9,500.00	7,780.00	9,261.60	7,867.66	60.74	48.18	99.06	1,177.81	-2,223.11	683.96	576.56	107.41	6.368		
9,600.00	7,780.00	9,381.97	7,870.14	63.11	50.85	99.24	1,179.76	-2,343.42	685.86	573.60	112.26	6.109		
9,700.00	7,780.00	9,461.23	7,871.31	65.51	52.65	99.32	1,180.85	-2,422.66	687.74	571.26	116.48	5.905		
9,800.00	7,780.00	9,526.00	7,872.35	67.93	54.13	99.35	1,185.43	-2,487.25	694.83	574.55	120.28	5.777		
9,900.00	7,780.00	9,591.79	7,873.52	70.37	55.66	99.33	1,193.33	-2,552.55	706.84	582.92	123.92	5.704		
10,000.00	7,780.00	9,689.23	7,875.28	72.82	57.93	99.29	1,207.50	-2,648.94	721.56	592.97	128.58	5.612		
10,100.00	7,780.00	9,889.78	7,879.34	75.30	62.72	99.44	1,220.24	-2,848.82	727.71	591.77	135.94	5.353		

CC - Min centre to center distance or convergent 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 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
10,200.00	7,780.00	10,033.48	7,882.43	77.79	66.18	99.74	1,215.77	-2,992.40	725.13	583.97	141.16	5.137		
10,300.00	7,780.00	10,167.45	7,885.08	80.29	69.42	100.11	1,203.74	-3,125.78	716.59	570.67	145.92	4.911		
10,400.00	7,780.00	10,288.24	7,887.52	82.80	72.33	100.52	1,188.54	-3,245.58	704.64	554.18	150.45	4.683		
10,500.00	7,780.00	10,374.47	7,889.42	85.32	74.42	100.85	1,177.31	-3,331.06	692.31	537.05	155.25	4.459		
10,600.00	7,780.00	10,451.17	7,890.75	87.86	76.31	101.09	1,169.24	-3,407.31	682.39	522.29	160.10	4.262		
10,700.00	7,780.00	10,513.82	7,891.43	90.40	77.87	101.21	1,165.27	-3,469.83	676.61	511.84	164.77	4.106		
10,745.43	7,780.00	10,540.40	7,891.87	91.56	78.53	101.25	1,164.78	-3,496.39	675.98	509.25	166.73	4.054		
10,800.00	7,780.00	10,576.11	7,892.62	92.95	79.43	101.30	1,165.22	-3,532.09	676.85	507.82	169.03	4.004		
10,900.00	7,780.00	10,658.39	7,894.31	95.51	81.51	101.39	1,168.24	-3,614.30	680.94	507.44	173.50	3.925		
11,000.00	7,780.00	10,756.19	7,896.08	98.08	83.99	101.45	1,173.32	-3,711.95	686.48	508.06	178.42	3.848		
11,100.00	7,780.00	10,855.43	7,897.72	100.66	86.52	101.50	1,178.70	-3,811.04	692.21	508.81	183.40	3.774		
11,200.00	7,780.00	10,951.50	7,899.30	103.24	88.98	101.53	1,184.26	-3,906.92	698.30	510.00	188.30	3.709		
11,300.00	7,780.00	11,051.57	7,901.16	105.82	91.55	101.58	1,190.18	-4,006.81	704.56	511.23	193.32	3.644		
11,400.00	7,780.00	11,148.18	7,902.98	108.41	94.03	101.63	1,196.08	-4,103.22	711.01	512.76	198.25	3.587		
11,500.00	7,780.00	11,246.27	7,904.75	111.01	96.56	101.66	1,202.75	-4,201.07	718.12	514.88	203.24	3.533		
11,600.00	7,780.00	11,386.03	7,907.31	113.61	100.18	101.76	1,208.96	-4,340.65	723.18	513.79	209.38	3.454		
11,700.00	7,780.00	11,494.76	7,908.76	116.21	102.99	101.87	1,208.78	-4,449.36	723.32	508.75	214.56	3.371		
11,800.00	7,780.00	11,628.34	7,911.27	118.82	106.45	102.13	1,204.59	-4,582.83	720.56	500.73	219.84	3.278		
11,900.00	7,780.00	11,716.94	7,912.74	121.43	108.74	102.30	1,201.10	-4,671.35	717.13	492.41	224.72	3.191		
12,000.00	7,780.00	11,847.74	7,914.01	124.05	112.12	102.50	1,195.50	-4,802.01	713.59	483.86	229.73	3.106		
12,100.00	7,780.00	11,984.63	7,915.18	126.67	115.63	102.86	1,180.53	-4,938.06	702.95	468.95	234.01	3.004		
12,200.00	7,780.00	12,060.49	7,915.79	129.29	117.58	103.06	1,172.15	-5,013.45	692.39	453.13	239.27	2.894		
12,300.00	7,780.00	12,143.27	7,916.46	131.92	119.72	103.24	1,165.35	-5,095.95	684.65	440.34	244.31	2.802		
12,400.00	7,780.00	12,222.05	7,917.07	134.54	121.77	103.37	1,160.95	-5,174.59	679.51	430.26	249.25	2.726		
12,492.44	7,780.00	12,290.88	7,917.58	136.98	123.56	103.44	1,159.45	-5,243.40	677.82	424.21	253.62	2.673		
12,500.00	7,780.00	12,296.28	7,917.62	137.17	123.71	103.45	1,159.44	-5,248.81	677.83	423.88	253.96	2.669		
12,600.00	7,780.00	12,374.34	7,918.36	139.81	125.76	103.47	1,161.16	-5,326.84	680.17	421.68	258.50	2.631		
12,700.00	7,780.00	12,476.63	7,919.36	142.44	128.45	103.50	1,163.90	-5,429.08	683.08	419.41	263.67	2.591		
12,800.00	7,780.00	12,557.38	7,920.11	145.08	130.57	103.49	1,167.41	-5,509.76	687.62	419.49	268.13	2.564		
12,900.00	7,780.00	12,633.10	7,920.82	147.72	132.57	103.43	1,173.18	-5,585.24	695.35	423.16	272.18	2.555		
13,000.00	7,780.00	12,718.00	7,921.65	150.36	134.80	103.33	1,182.11	-5,669.67	705.89	429.31	276.58	2.552		
13,100.00	7,780.00	12,808.75	7,922.55	153.00	137.18	103.19	1,193.18	-5,759.74	718.07	436.78	281.29	2.553		
13,200.00	7,780.00	12,935.06	7,923.77	155.65	140.51	103.03	1,207.53	-5,885.21	729.58	441.38	288.20	2.532		
13,300.00	7,780.00	13,141.67	7,925.14	158.29	145.96	103.08	1,210.43	-6,091.56	731.06	435.18	295.87	2.471		
13,400.00	7,780.00	13,260.77	7,925.46	160.94	149.07	103.25	1,202.03	-6,210.36	724.36	423.74	300.62	2.410		
13,500.00	7,780.00	13,373.21	7,925.52	163.59	152.00	103.45	1,191.14	-6,322.27	715.01	409.76	305.25	2.342		
13,600.00	7,780.00	13,445.43	7,925.59	166.24	153.89	103.58	1,184.58	-6,394.19	706.47	395.82	310.65	2.274		
13,700.00	7,780.00	13,513.30	7,925.66	168.90	155.68	103.64	1,182.03	-6,462.00	702.83	387.15	315.68	2.226		
13,749.04	7,780.00	13,551.32	7,925.70	170.20	156.68	103.65	1,181.68	-6,500.02	702.45	384.41	318.03	2.209		
13,800.00	7,780.00	13,590.87	7,925.74	171.55	157.73	103.64	1,181.96	-6,539.57	702.86	382.44	320.42	2.194		
13,900.00	7,780.00	13,668.91	7,925.90	174.20	159.80	103.61	1,184.40	-6,617.57	706.04	381.12	324.92	2.173		
14,000.00	7,780.00	13,786.93	7,926.24	176.86	162.94	103.55	1,188.79	-6,735.50	709.86	379.08	330.78	2.146		
14,100.00	7,780.00	13,877.03	7,926.39	179.52	165.33	103.51	1,191.58	-6,825.56	712.97	377.27	335.71	2.124		
14,200.00	7,780.00	13,969.60	7,926.51	182.18	167.79	103.44	1,195.54	-6,918.04	717.24	376.54	340.70	2.105		
14,300.00	7,780.00	14,107.49	7,926.60	184.83	171.46	103.40	1,197.93	-7,055.89	718.97	372.01	346.96	2.072		
14,400.00	7,780.00	14,222.39	7,926.84	187.49	174.51	103.46	1,195.39	-7,170.76	716.91	364.70	352.20	2.035		
14,500.00	7,780.00	14,324.51	7,927.05	190.16	177.21	103.54	1,192.11	-7,272.82	713.92	356.64	357.28	1.998		
14,600.00	7,780.00	14,415.76	7,927.18	192.82	179.63	103.60	1,189.59	-7,364.05	711.37	349.04	362.33	1.963		
14,700.00	7,780.00	14,521.07	7,927.36	195.48	182.43	103.65	1,187.29	-7,469.33	709.38	341.92	367.46	1.930		
14,800.00	7,780.00	14,634.47	7,927.48	198.14	185.43	103.74	1,183.05	-7,582.65	705.87	333.36	372.51	1.895		
14,900.00	7,780.00	14,727.73	7,927.64	200.81	187.91	103.83	1,179.19	-7,675.83	701.96	324.39	377.57	1.859		
15,000.00	7,780.00	14,818.03	7,927.74	203.47	190.30	103.89	1,176.36	-7,766.08	699.05	316.43	382.62	1.827		

CC - Min centre to center distance or convergent 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 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

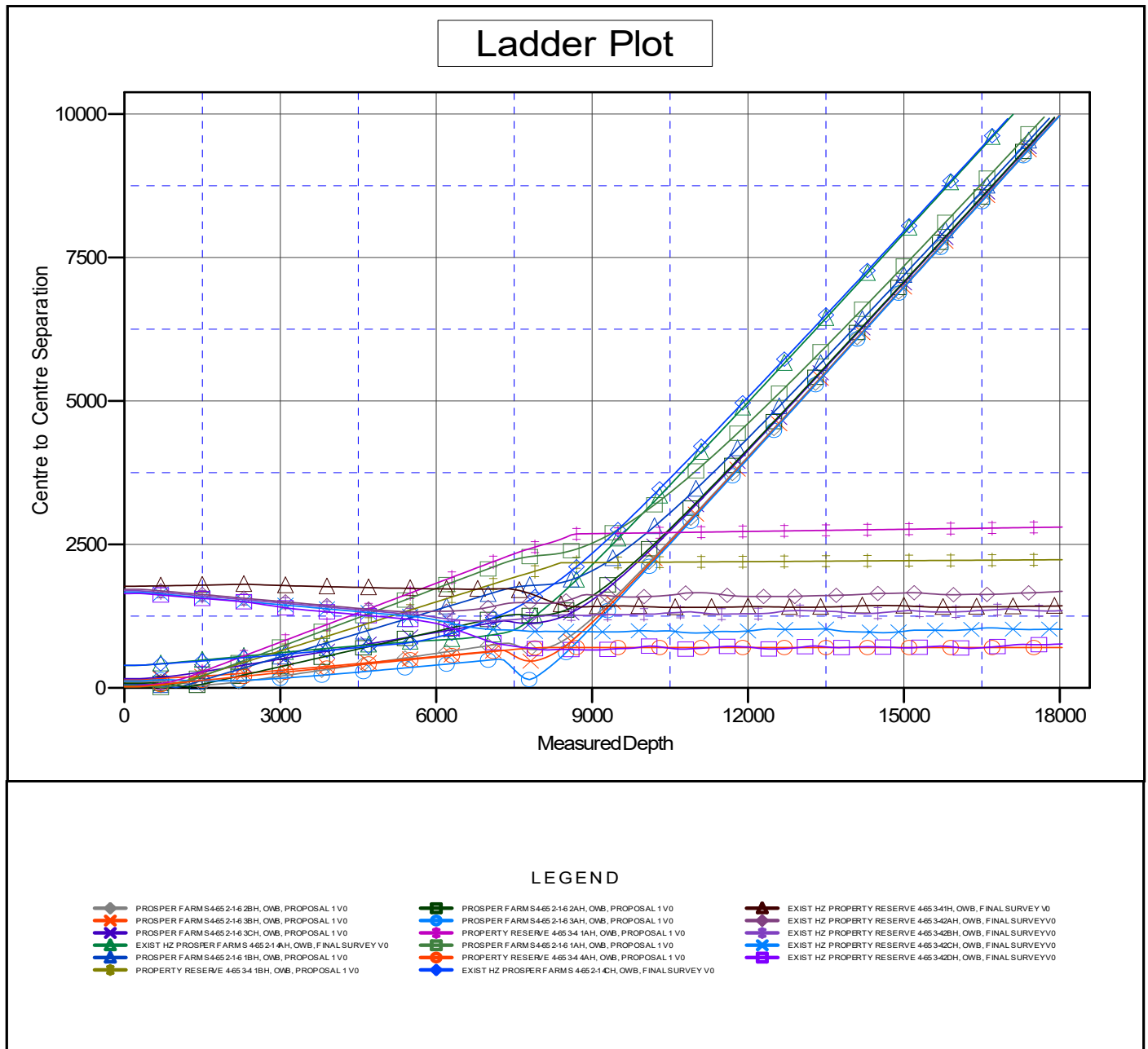
Offset Design SEC 3-T4S-R65W - EXIST HZ PROPERTY RESERVE 4-65 3-4 2DH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	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		
15,072.79	7,780.00	14,875.72	7,927.78	205.42	191.84	103.90	1,175.66	-7,823.77	698.27	312.09	386.18	1.808		
15,100.00	7,780.00	14,897.29	7,927.80	206.14	192.41	103.90	1,175.72	-7,845.33	698.38	310.91	387.47	1.802		
15,200.00	7,780.00	14,962.68	7,927.86	208.81	194.16	103.87	1,177.75	-7,910.68	701.55	310.09	391.45	1.792		
15,300.00	7,780.00	15,052.35	7,927.94	211.48	196.55	103.74	1,184.76	-8,000.08	709.13	312.83	396.30	1.789		
15,400.00	7,780.00	15,177.15	7,928.17	214.14	199.88	103.63	1,191.44	-8,124.69	714.44	311.57	402.87	1.773		
15,500.00	7,780.00	15,262.43	7,928.24	216.81	202.16	103.56	1,195.21	-8,209.88	718.89	311.36	407.53	1.764		
15,600.00	7,780.00	15,366.19	7,928.32	219.48	204.93	103.45	1,201.32	-8,313.47	724.73	311.64	413.09	1.754		
15,700.00	7,780.00	15,482.44	7,928.17	222.15	208.04	103.34	1,206.29	-8,429.60	728.98	309.85	419.13	1.739		
15,800.00	7,780.00	15,666.50	7,928.15	224.82	212.94	103.42	1,201.87	-8,613.50	727.22	302.87	424.35	1.714		
15,900.00	7,780.00	15,768.40	7,928.22	227.49	215.62	103.59	1,192.78	-8,714.99	718.65	289.50	429.15	1.675		
16,000.00	7,780.00	15,886.40	7,929.04	230.16	218.71	103.88	1,180.98	-8,832.40	709.31	276.30	433.01	1.638		
16,100.00	7,780.00	15,976.69	7,929.44	232.84	221.07	104.16	1,168.70	-8,921.84	696.50	258.40	438.10	1.590		
16,200.00	7,780.00	16,039.00	7,929.74	235.51	222.71	104.25	1,165.00	-8,984.02	690.22	246.09	444.13	1.554		
16,251.88	7,780.00	16,057.83	7,929.85	236.90	223.22	104.26	1,164.87	-9,002.84	689.34	242.67	446.67	1.543		
16,300.00	7,780.00	16,093.90	7,930.01	238.18	224.18	104.27	1,165.12	-9,038.91	689.76	240.90	448.86	1.537		
16,400.00	7,780.00	16,173.61	7,930.23	240.86	226.31	104.23	1,167.82	-9,118.57	693.16	239.83	453.33	1.529		
16,500.00	7,780.00	16,262.00	7,930.32	243.53	228.68	104.14	1,172.90	-9,206.82	698.82	240.73	458.08	1.526		
16,600.00	7,780.00	16,355.89	7,930.43	246.20	231.19	104.02	1,179.27	-9,300.49	705.52	242.38	463.14	1.523		
16,700.00	7,780.00	16,450.10	7,930.38	248.88	233.71	103.87	1,186.60	-9,394.41	713.15	244.90	468.24	1.523		
16,800.00	7,780.00	16,547.52	7,930.31	251.55	236.32	103.71	1,194.63	-9,491.50	721.23	247.65	473.58	1.523		
16,900.00	7,780.00	16,641.83	7,930.52	254.23	238.85	103.57	1,202.75	-9,585.46	729.73	251.09	478.64	1.525		
17,000.00	7,780.00	16,734.96	7,930.72	256.91	241.34	103.42	1,211.77	-9,678.15	739.29	255.67	483.62	1.529		
17,100.00	7,780.00	16,842.17	7,931.88	259.58	244.21	103.32	1,222.03	-9,784.87	748.97	259.36	489.60	1.530		
17,200.00	7,780.00	16,968.59	7,933.51	262.26	247.59	103.29	1,230.87	-9,910.95	756.19	259.61	496.57	1.523		
17,300.00	7,780.00	17,114.94	7,935.18	264.94	251.51	103.36	1,233.65	-10,057.24	758.37	255.23	503.14	1.507		
17,400.00	7,780.00	17,227.35	7,936.41	267.61	254.52	103.50	1,230.67	-10,169.60	756.06	247.90	508.16	1.488 Level 3		
17,500.00	7,780.00	17,322.58	7,937.60	270.29	257.06	103.63	1,228.21	-10,264.79	753.93	240.83	513.09	1.469 Level 3		
17,598.85	7,780.00	17,407.67	7,938.58	272.94	259.33	103.72	1,226.84	-10,349.87	752.78	234.89	517.90	1.454 Level 3		
17,600.00	7,780.00	17,408.59	7,938.59	272.97	259.36	103.72	1,226.84	-10,350.79	752.78	234.83	517.95	1.453 Level 3		
17,700.00	7,780.00	17,493.08	7,939.59	275.65	261.62	103.78	1,227.62	-10,435.26	754.01	231.35	522.66	1.443 Level 3		
17,800.00	7,780.00	17,584.49	7,940.63	278.33	264.07	103.82	1,229.82	-10,526.64	756.71	229.21	527.50	1.435 Level 3		
17,900.00	7,780.00	17,680.96	7,941.73	281.01	266.66	103.84	1,233.04	-10,623.05	760.31	227.78	532.53	1.428 Level 3		
18,000.00	7,780.00	17,785.17	7,942.92	283.69	269.46	103.86	1,236.37	-10,727.20	763.77	225.91	537.86	1.420 Level 3		
18,046.30	7,780.00	17,834.40	7,943.52	284.93	270.78	103.88	1,237.66	-10,776.41	765.13	224.78	540.35	1.416 Level 3, ES, SF		

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<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' @ 5657.01usft  
Offset Depths are relative to Offset Datum  
Central Meridian is 105.500000°W

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 3BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5657.01usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5657.01usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 3BH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<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' @ 5657.01usft

Offset Depths are relative to Offset Datum

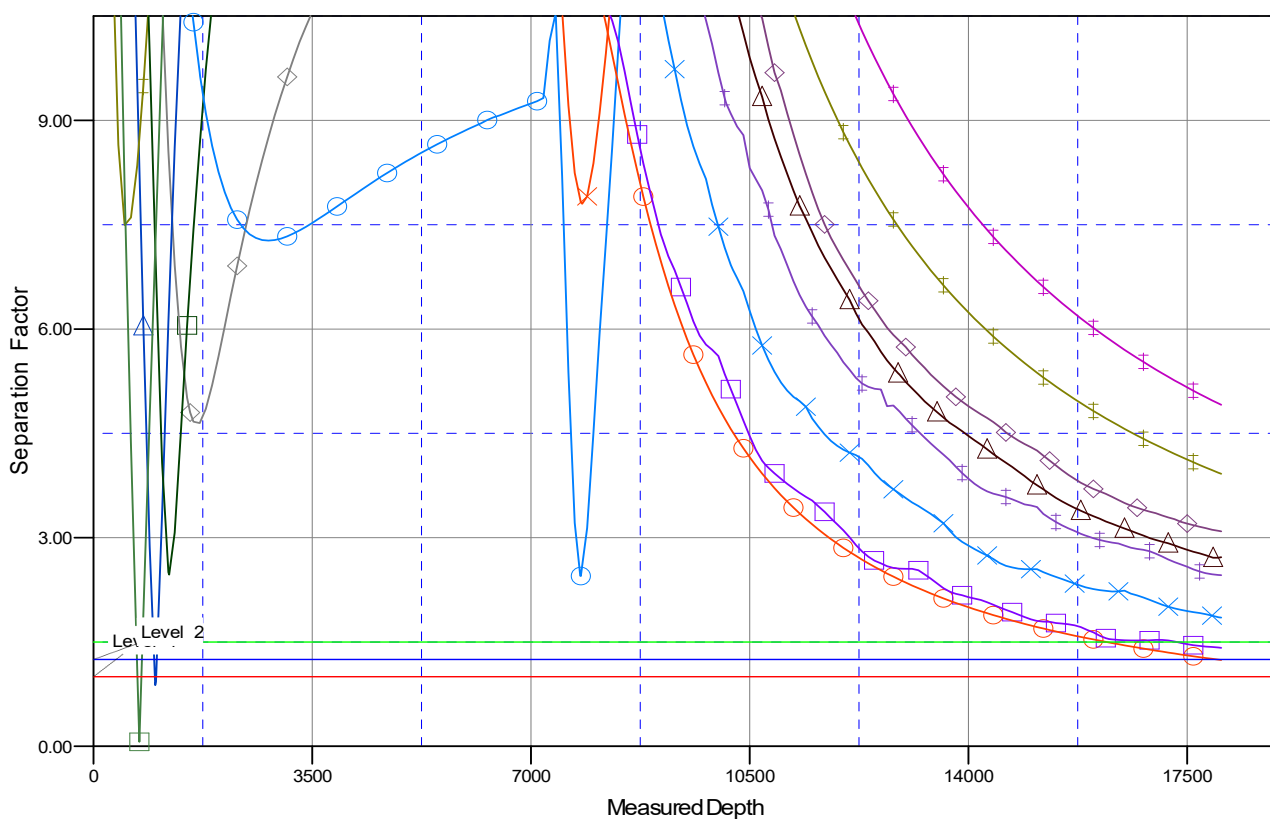
Central Meridian is 105.500000°W

Coordinates are relative to: PROPERTY RESERVE 4-65 3-4 3BH

Coordinate System is US State Plane 1983, Colorado Central Zone

Grid Convergence at Surface is: 0.54°

## Separation Factor Plot



### LEGEND

PROSPER FARMS 465 2-16 2BH, OWB, PROPOSAL 1 V0	PROSPER FARMS 465 2-16 2AH, OWB, PROPOSAL 1 V0	EXIST HZ PROPERTY RESERVE 465 3-4 1H, OWB, FINAL SURVEY V0
PROSPER FARMS 465 2-16 3BH, OWB, PROPOSAL 1 V0	PROSPER FARMS 465 2-16 3AH, OWB, PROPOSAL 1 V0	EXIST HZ PROPERTY RESERVE 465 3-4 2AH, OWB, FINAL SURVEY V0
PROSPER FARMS 465 2-16 3CH, OWB, PROPOSAL 1 V0	PROPERTY RESERVE 465 3-4 1AH, OWB, PROPOSAL 1 V0	EXIST HZ PROPERTY RESERVE 465 3-4 2BH, OWB, FINAL SURVEY V0
EXIST HZ PROSPER FARMS 465 2-16 4H, OWB, FINAL SURVEY V0	PROSPER FARMS 465 2-16 1AH, OWB, PROPOSAL 1 V0	EXIST HZ PROPERTY RESERVE 465 3-4 2CH, OWB, FINAL SURVEY V0
PROSPER FARMS 465 2-16 1BH, OWB, PROPOSAL 1 V0	PROSPER FARMS 465 2-16 4AH, OWB, PROPOSAL 1 V0	EXIST HZ PROPERTY RESERVE 465 3-4 2DH, OWB, FINAL SURVEY V0
PROPERTY RESERVE 465 3-4 1BH, OWB, PROPOSAL 1 V0	EXIST HZ PROSPER FARMS 465 2-16 4CH, OWB, FINAL SURVEY V0	