

# **CRESTONE PEAK RESOURCES**

**ARAPAHOE COUNTY**

**SEC 2-T4S-R65W**

**PROPERTY RESERVE 4-65 3-4 1AH**

**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 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<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	18,673.97	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	26.44	430.63			
EXIST HZ PROSPER FARMS 4-65 2-1 4AH - OWB - FIN	7,800.00	7,267.67	3,321.07	3,263.61	57.797	SF
EXIST HZ PROSPER FARMS 4-65 2-1 4CH - OWB - FIN	0.00	27.45	432.83			
EXIST HZ PROSPER FARMS 4-65 2-1 4CH - OWB - FIN	100.00	127.21	432.96	432.57	1,110.156	ES
EXIST HZ PROSPER FARMS 4-65 2-1 4CH - OWB - FIN	5,700.00	5,308.87	2,487.33	2,445.78	59.858	SF
PROPERTY RESERVE 4-65 3-4 1BH - OWB - PROPOS	100.00	100.10	20.04	19.77	74.427	CC
PROPERTY RESERVE 4-65 3-4 1BH - OWB - PROPOS	18,674.95	18,568.35	574.00	3.50	1.006	Level 2, ES, SF
PROPERTY RESERVE 4-65 3-4 3BH - OWB - PROPOS	100.00	100.20	39.71	39.44	147.295	CC, ES
PROPERTY RESERVE 4-65 3-4 3BH - OWB - PROPOS	18,674.95	18,035.40	2,803.06	2,232.29	4.911	SF
PROPERTY RESERVE 4-65 3-4 4AH - OWB - PROPOS	100.00	100.30	59.74	59.47	221.873	CC, ES
PROPERTY RESERVE 4-65 3-4 4AH - OWB - PROPOS	18,674.95	18,063.67	3,503.51	2,933.15	6.143	SF
PROSPER FARMS 4-65 2-1-6 1AH - OWB - PROPOSAL	100.00	99.30	79.78	79.51	297.766	CC
PROSPER FARMS 4-65 2-1-6 1AH - OWB - PROPOSAL	8,352.84	8,467.51	136.71	60.73	1.799	ES, SF
PROSPER FARMS 4-65 2-1-6 1BH - OWB - PROPOSAL	100.00	100.60	99.81	99.54	368.301	CC, ES
PROSPER FARMS 4-65 2-1-6 1BH - OWB - PROPOSAL	7,600.00	7,600.61	819.49	732.10	9.377	SF
PROSPER FARMS 4-65 2-1-6 2AH - OWB - PROPOSAL	100.00	100.50	119.85	119.58	442.813	CC, ES
PROSPER FARMS 4-65 2-1-6 2AH - OWB - PROPOSAL	7,500.00	7,500.00	1,271.77	1,196.44	16.883	SF
PROSPER FARMS 4-65 2-1-6 2BH - OWB - PROPOSAL	100.00	100.40	139.88	139.61	517.524	CC, ES
PROSPER FARMS 4-65 2-1-6 2BH - OWB - PROPOSAL	7,600.00	7,600.00	1,825.56	1,756.29	26.353	SF
PROSPER FARMS 4-65 2-1-6 3AH - OWB - PROPOSAL	100.00	100.30	159.92	159.65	592.433	CC, ES
PROSPER FARMS 4-65 2-1-6 3AH - OWB - PROPOSAL	7,600.00	7,587.25	2,301.34	2,235.48	34.946	SF
PROSPER FARMS 4-65 2-1-6 3BH - OWB - PROPOSAL	100.00	100.20	179.95	179.68	667.526	CC, ES
PROSPER FARMS 4-65 2-1-6 3BH - OWB - PROPOSAL	1,200.00	1,181.79	378.34	369.93	44.996	SF
PROSPER FARMS 4-65 2-1-6 3CH - OWB - PROPOSAL	100.00	100.10	199.99	199.72	742.854	CC, ES
PROSPER FARMS 4-65 2-1-6 3CH - OWB - PROPOSAL	10,800.00	7,350.00	4,382.05	4,294.89	50.274	SF

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<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 -	0.00	46.85	1,797.26			
EXIST HZ PROPERTY RESERVE 4-65 3-4 1H - OWB -	18,674.95	16,985.00	4,218.77	3,684.15	7.891	SF
EXIST HZ PROPERTY RESERVE 4-65 3-4 2AH - OWB	4,115.58	3,817.01	958.89	918.46	23.717	CC
EXIST HZ PROPERTY RESERVE 4-65 3-4 2AH - OWB	18,666.11	17,595.00	1,131.69	582.82	2.062	ES, SF
EXIST HZ PROPERTY RESERVE 4-65 3-4 2BH - OWB	4,098.26	3,801.48	926.78	886.48	22.997	CC
EXIST HZ PROPERTY RESERVE 4-65 3-4 2BH - OWB	4,200.00	3,894.13	927.73	886.35	22.421	ES
EXIST HZ PROPERTY RESERVE 4-65 3-4 2BH - OWB	18,662.92	17,915.00	1,473.45	918.03	2.653	SF
EXIST HZ PROPERTY RESERVE 4-65 3-4 2CH - OWB	4,091.13	3,794.27	869.32	829.07	21.596	CC
EXIST HZ PROPERTY RESERVE 4-65 3-4 2CH - OWB	4,100.00	3,802.38	869.33	828.98	21.545	ES
EXIST HZ PROPERTY RESERVE 4-65 3-4 2CH - OWB	18,674.95	17,718.68	1,794.58	1,240.94	3.241	SF
EXIST HZ PROPERTY RESERVE 4-65 3-4 2DH - OWB	4,042.22	3,750.92	798.61	758.93	20.129	CC
EXIST HZ PROPERTY RESERVE 4-65 3-4 2DH - OWB	4,100.00	3,803.85	798.95	758.65	19.828	ES
EXIST HZ PROPERTY RESERVE 4-65 3-4 2DH - OWB	18,674.95	17,855.00	2,068.23	1,511.75	3.717	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	Offset	Semi Major Axis		Distance									Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	26.44	26.44	0.00	0.03	-179.38	-430.60	-4.62	430.63				
100.00	100.00	124.21	124.19	0.13	0.29	-179.12	-431.22	-6.64	431.28	430.86	0.42	1,019.775	
200.00	199.98	224.35	224.30	0.49	0.65	-172.86	-431.97	-9.11	433.81	432.66	1.15	378.368	
300.00	299.84	324.36	324.27	0.86	1.01	-172.61	-432.68	-11.55	439.76	437.88	1.88	234.303	
400.00	399.45	424.10	423.98	1.23	1.37	-172.43	-433.32	-13.92	449.11	446.50	2.61	172.309	
500.00	498.70	523.08	522.93	1.63	1.73	-172.31	-433.99	-16.23	461.93	458.59	3.34	138.497	
600.00	597.47	621.88	621.70	2.04	2.09	-172.22	-434.64	-18.69	478.15	474.08	4.07	117.591	
700.00	695.62	719.95	719.74	2.49	2.44	-172.18	-435.28	-21.09	497.77	492.97	4.80	103.745	
800.00	793.06	817.26	817.01	2.97	2.79	-172.18	-435.90	-23.52	520.75	515.22	5.53	94.151	
900.00	889.64	912.80	912.52	3.49	3.14	-172.23	-436.57	-25.77	547.16	540.89	6.26	87.379	
1,000.00	985.27	1,005.21	1,004.91	4.05	3.47	-172.33	-437.52	-27.71	577.18	570.20	6.98	82.663	
1,100.00	1,079.82	1,097.42	1,097.10	4.65	3.80	-172.57	-439.01	-28.46	611.03	603.33	7.70	79.347	
1,200.00	1,173.17	1,191.38	1,191.05	5.29	4.13	-172.83	-440.55	-29.08	648.15	639.72	8.43	76.886	
1,300.00	1,265.21	1,283.97	1,283.62	5.99	4.46	-173.06	-441.84	-29.93	688.26	679.09	9.16	75.128	
1,400.00	1,356.55	1,375.05	1,374.69	6.71	4.78	-173.37	-443.05	-30.78	729.95	720.06	9.88	73.846	
1,500.00	1,447.88	1,465.63	1,465.26	7.44	5.11	-173.65	-444.23	-31.67	771.65	761.05	10.60	72.774	
1,600.00	1,539.21	1,555.96	1,555.58	8.17	5.43	-173.89	-445.47	-32.57	813.42	802.09	11.32	71.829	
1,700.00	1,630.55	1,647.19	1,646.80	8.91	5.76	-174.12	-446.74	-33.36	855.22	843.17	12.05	70.960	
1,800.00	1,721.88	1,738.51	1,738.11	9.65	6.08	-174.35	-447.93	-33.99	896.95	884.17	12.78	70.170	
1,900.00	1,813.21	1,829.33	1,828.91	10.40	6.41	-174.55	-449.10	-34.52	938.68	925.16	13.51	69.471	
2,000.00	1,904.54	1,919.85	1,919.43	11.15	6.73	-174.75	-450.27	-35.01	980.42	966.18	14.24	68.846	
2,100.00	1,995.88	2,010.90	2,010.47	11.90	7.06	-174.92	-451.48	-35.50	1,022.20	1,007.23	14.97	68.263	
2,200.00	2,087.21	2,102.36	2,101.92	12.65	7.38	-175.09	-452.63	-35.93	1,063.93	1,048.22	15.71	67.716	
2,300.00	2,178.54	2,192.63	2,192.18	13.41	7.70	-175.24	-453.73	-36.39	1,105.64	1,089.19	16.44	67.238	
2,400.00	2,269.87	2,278.33	2,277.87	14.16	8.01	-175.34	-455.04	-37.43	1,147.61	1,130.45	17.15	66.910	
2,500.00	2,361.21	2,371.75	2,371.27	14.92	8.35	-175.44	-456.58	-38.65	1,189.69	1,171.78	17.91	66.439	
2,600.00	2,452.54	2,453.95	2,453.45	15.67	8.64	-175.54	-458.09	-39.38	1,231.95	1,213.36	18.59	66.260	
2,700.00	2,543.87	2,554.13	2,553.61	16.43	9.00	-175.66	-460.04	-40.05	1,274.34	1,254.95	19.39	65.732	
2,800.00	2,635.20	2,642.65	2,642.10	17.19	9.31	-175.84	-461.26	-38.87	1,316.26	1,296.17	20.10	65.492	
2,900.00	2,726.54	2,738.16	2,737.55	17.95	9.63	-176.12	-462.53	-35.70	1,358.24	1,337.40	20.84	65.171	

CC - Min centre to center distance or convergent 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 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
3,000.00	2,817.87	2,828.67	2,828.03	18.71	9.93	-176.34	-463.51	-33.19	1,399.98	1,378.43	21.56	64.944		
3,100.00	2,909.20	2,919.98	2,919.31	19.47	10.24	-176.54	-464.55	-30.96	1,441.78	1,419.50	22.28	64.712		
3,200.00	3,000.54	3,009.84	3,009.14	20.22	10.54	-176.72	-465.56	-28.96	1,483.57	1,460.58	23.00	64.511		
3,300.00	3,091.87	3,099.96	3,099.22	20.98	10.85	-176.89	-466.63	-26.84	1,525.45	1,501.73	23.72	64.319		
3,400.00	3,183.20	3,204.24	3,203.43	21.74	11.20	-177.14	-467.50	-22.96	1,567.08	1,542.56	24.52	63.908		
3,500.00	3,274.53	3,298.40	3,297.48	22.50	11.52	-177.38	-467.50	-18.56	1,608.02	1,582.76	25.26	63.653		
3,600.00	3,365.87	3,389.41	3,388.40	23.27	11.82	-177.60	-467.52	-14.47	1,649.00	1,623.01	25.99	63.457		
3,700.00	3,457.20	3,476.73	3,475.66	24.03	12.12	-177.78	-467.64	-11.12	1,690.06	1,663.37	26.69	63.322		
3,800.00	3,548.53	3,570.59	3,569.46	24.79	12.44	-177.95	-467.94	-7.94	1,731.26	1,703.83	27.44	63.102		
3,900.00	3,639.86	3,659.93	3,658.76	25.55	12.74	-178.09	-468.06	-5.28	1,772.29	1,744.13	28.16	62.946		
4,000.00	3,731.20	3,749.85	3,748.65	26.31	13.05	-178.21	-468.43	-3.04	1,813.54	1,784.66	28.88	62.793		
4,100.00	3,822.53	3,837.55	3,836.33	27.07	13.36	-178.31	-468.79	-1.15	1,854.77	1,825.18	29.59	62.674		
4,200.00	3,913.86	3,976.37	3,975.11	27.83	13.83	-178.47	-468.66	1.91	1,895.84	1,865.21	30.63	61.898		
4,300.00	4,005.19	4,060.20	4,058.90	28.59	14.12	-178.56	-467.13	3.88	1,935.05	1,903.74	31.32	61.792		
4,400.00	4,096.53	4,142.88	4,141.56	29.35	14.40	-178.64	-466.10	5.32	1,974.76	1,942.76	32.00	61.720		
4,500.00	4,187.86	4,229.79	4,228.46	30.12	14.69	-178.70	-465.37	6.43	2,014.81	1,982.11	32.70	61.610		
4,600.00	4,279.19	4,320.23	4,318.90	30.88	15.00	-178.75	-464.77	7.14	2,054.98	2,021.55	33.43	61.467		
4,700.00	4,370.52	4,403.35	4,402.02	31.64	15.29	-178.78	-464.34	7.61	2,095.27	2,061.15	34.12	61.414		
4,800.00	4,461.86	4,480.46	4,479.13	32.40	15.56	-178.81	-464.44	7.87	2,136.13	2,101.36	34.77	61.444		
4,900.00	4,553.19	4,560.24	4,558.90	33.16	15.84	-178.82	-465.11	7.55	2,177.57	2,142.14	35.43	61.456		
5,000.00	4,644.52	4,656.48	4,655.13	33.93	16.18	-178.84	-465.98	7.41	2,219.09	2,182.88	36.21	61.279		
5,100.00	4,735.86	4,765.84	4,764.50	34.69	16.57	-178.87	-466.59	7.87	2,260.39	2,223.31	37.08	60.963		
5,200.00	4,827.19	4,897.23	4,895.87	35.45	17.02	-178.90	-465.01	7.66	2,299.88	2,261.80	38.07	60.406		
5,300.00	4,918.52	4,985.62	4,984.24	36.21	17.32	-178.91	-463.45	7.39	2,338.96	2,300.17	38.79	60.295		
5,400.00	5,009.85	5,068.97	5,067.59	36.98	17.60	-178.93	-462.26	7.13	2,378.35	2,338.88	39.48	60.245		
5,500.00	5,101.19	5,157.24	5,155.86	37.74	17.90	-178.95	-461.25	7.19	2,418.03	2,377.84	40.20	60.156		
5,600.00	5,192.52	5,259.04	5,257.65	38.50	18.25	-178.99	-459.92	7.87	2,457.62	2,416.62	41.00	59.938		
5,700.00	5,283.85	5,356.87	5,355.45	39.26	18.59	-179.04	-458.10	9.12	2,496.74	2,454.95	41.78	59.754		
5,800.00	5,375.18	5,444.45	5,443.01	40.03	18.89	-179.09	-456.52	10.20	2,535.91	2,493.41	42.50	59.668		
5,900.00	5,466.52	5,535.61	5,534.15	40.79	19.20	-179.13	-455.05	11.26	2,575.24	2,532.00	43.24	59.557		
6,000.00	5,557.85	5,641.34	5,639.86	41.55	19.56	-179.17	-453.11	12.25	2,614.37	2,570.30	44.07	59.318		
6,100.00	5,649.18	5,736.98	5,735.47	42.31	19.89	-179.20	-450.87	12.92	2,653.01	2,608.17	44.84	59.161		
6,200.00	5,740.51	5,822.53	5,821.00	43.08	20.19	-179.23	-449.03	13.50	2,691.82	2,646.27	45.55	59.097		
6,300.00	5,831.85	5,916.31	5,914.76	43.84	20.51	-179.26	-447.18	14.01	2,730.79	2,684.48	46.31	58.971		
6,400.00	5,923.18	6,041.85	6,040.25	44.60	20.95	-179.28	-444.04	13.98	2,769.26	2,721.99	47.27	58.585		
6,500.00	6,014.51	6,158.58	6,156.91	45.36	21.35	-179.29	-439.74	13.55	2,806.56	2,758.39	48.17	58.261		
6,600.00	6,105.85	6,229.37	6,227.64	46.13	21.60	-179.32	-437.11	13.95	2,843.92	2,795.13	48.79	58.290		
6,700.00	6,197.18	6,310.08	6,308.28	46.89	21.88	-179.37	-434.45	15.91	2,881.81	2,832.35	49.47	58.258		
6,800.00	6,288.51	6,401.28	6,399.36	47.65	22.20	-179.46	-431.51	19.62	2,919.94	2,869.73	50.21	58.152		
6,900.00	6,379.84	6,480.33	6,478.27	48.42	22.47	-179.56	-428.94	23.75	2,958.16	2,907.28	50.88	58.140		
7,000.00	6,471.18	6,546.99	6,544.75	49.18	22.71	-179.66	-427.17	28.23	2,997.06	2,945.60	51.46	58.235		
7,100.00	6,562.51	6,607.26	6,604.82	49.94	22.92	-179.76	-426.09	32.98	3,036.86	2,984.86	52.00	58.397		
7,200.00	6,653.84	6,682.45	6,679.71	50.71	23.19	-179.90	-425.31	39.68	3,077.46	3,024.81	52.64	58.460		
7,300.00	6,745.17	6,767.46	6,764.28	51.47	23.49	-179.92	-424.59	48.25	3,118.36	3,065.01	53.35	58.452		
7,400.00	6,836.51	6,881.14	6,877.16	52.23	23.90	-179.66	-423.25	61.66	3,159.21	3,104.95	54.26	58.227		
7,500.00	6,927.84	6,960.01	6,955.21	52.99	24.18	-179.44	-421.67	72.85	3,199.58	3,144.65	54.93	58.253		
7,600.00	7,019.17	7,038.80	7,032.75	53.76	24.47	-179.17	-420.38	86.75	3,240.64	3,185.04	55.60	58.289		
7,700.00	7,110.50	7,184.64	7,175.57	54.52	25.01	-178.63	-416.57	115.99	3,281.30	3,224.55	56.75	57.825		
7,800.00	7,201.84	7,267.67	7,256.62	55.28	25.32	-178.30	-413.44	133.71	3,321.07	3,263.61	57.46	57.797 SF		
7,900.00	7,293.16	7,343.33	7,330.52	56.05	25.61	-178.38	-410.86	149.79	3,361.28	3,303.15	58.13	57.824		
8,000.00	7,383.34	7,397.23	7,383.14	56.83	25.82	-154.41	-409.27	161.36	3,403.26	3,344.62	58.64	58.035		
8,100.00	7,469.66	7,454.57	7,438.52	57.62	26.05	-136.19	-407.90	176.08	3,447.39	3,388.21	59.18	58.253		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
8,200.00	7,549.48	7,511.48	7,492.01	58.39	26.28	-122.91	-405.84	195.34	3,492.24	3,432.53	59.71	58.486		
8,300.00	7,620.40	7,541.76	7,519.63	59.13	26.41	-112.56	-404.42	207.67	3,537.26	3,477.21	60.04	58.914		
8,400.00	7,680.24	7,555.98	7,532.33	59.84	26.48	-104.15	-403.68	214.00	3,581.63	3,521.38	60.25	59.446		
8,500.00	7,727.20	7,558.11	7,534.22	60.51	26.49	-97.22	-403.57	214.98	3,624.29	3,563.90	60.40	60.008		
8,600.00	7,759.84	7,551.40	7,528.26	61.13	26.46	-91.57	-403.92	211.92	3,664.06	3,603.53	60.53	60.529		
8,700.00	7,777.18	7,538.25	7,516.46	61.71	26.40	-87.17	-404.60	206.16	3,699.77	3,639.06	60.70	60.947		
8,800.00	7,780.00	7,507.00	7,487.86	62.25	26.26	-84.83	-406.03	193.65	3,731.05	3,670.23	60.82	61.350		
8,900.00	7,780.00	7,507.00	7,487.86	62.83	26.26	-84.83	-406.03	193.65	3,763.06	3,701.77	61.29	61.398		
9,000.00	7,780.00	7,507.00	7,487.86	63.50	26.26	-84.83	-406.03	193.65	3,797.44	3,735.60	61.84	61.410		
9,100.00	7,780.00	7,473.32	7,456.33	64.25	26.12	-84.33	-407.31	181.91	3,833.77	3,771.60	62.18	61.660		
9,200.00	7,780.00	7,460.37	7,444.04	65.08	26.07	-84.13	-407.73	177.83	3,872.33	3,809.59	62.74	61.719		
9,300.00	7,780.00	7,448.83	7,433.03	65.99	26.03	-83.95	-408.07	174.40	3,912.98	3,849.61	63.37	61.750		
9,400.00	7,780.00	7,412.00	7,397.50	67.00	25.88	-83.39	-408.95	164.75	3,955.90	3,892.07	63.83	61.978		
9,500.00	7,780.00	7,412.00	7,397.50	68.10	25.88	-83.39	-408.95	164.75	4,000.41	3,935.79	64.62	61.905		
9,600.00	7,780.00	7,412.00	7,397.50	69.29	25.88	-83.39	-408.95	164.75	4,046.91	3,981.47	65.44	61.843		
9,700.00	7,780.00	7,412.00	7,397.50	70.56	25.88	-83.39	-408.95	164.75	4,095.31	4,029.04	66.27	61.796		
9,800.00	7,780.00	7,412.00	7,397.50	71.93	25.88	-83.39	-408.95	164.75	4,145.57	4,078.46	67.12	61.768		
9,900.00	7,780.00	7,400.08	7,385.90	73.38	25.83	-83.20	-409.20	162.00	4,197.55	4,129.67	67.87	61.843		
10,000.00	7,780.00	7,393.94	7,379.93	74.91	25.81	-83.11	-409.35	160.62	4,251.22	4,182.54	68.68	61.900		
10,100.00	7,780.00	7,379.00	7,365.35	76.52	25.75	-82.88	-409.76	157.37	4,306.55	4,237.13	69.42	62.038		
10,200.00	7,780.00	7,379.00	7,365.35	78.21	25.75	-82.88	-409.76	157.37	4,363.38	4,293.11	70.26	62.101		
10,300.00	7,780.00	7,372.02	7,358.53	79.96	25.72	-82.77	-409.97	155.89	4,421.73	4,350.68	71.05	62.236		
10,400.00	7,780.00	7,354.58	7,341.50	81.78	25.66	-82.50	-410.50	152.18	4,481.48	4,409.73	71.75	62.459		
10,500.00	7,780.00	7,337.14	7,324.47	83.66	25.59	-82.23	-411.06	148.48	4,542.57	4,470.13	72.44	62.704		
10,600.00	7,780.00	7,319.71	7,307.44	85.59	25.52	-81.96	-411.63	144.77	4,604.94	4,531.81	73.13	62.971		
10,700.00	7,780.00	7,302.28	7,290.42	87.57	25.46	-81.69	-412.22	141.07	4,668.54	4,594.74	73.80	63.261		
10,800.00	7,780.00	7,284.95	7,273.50	89.60	25.39	-81.42	-412.82	137.39	4,733.32	4,658.87	74.46	63.571		
10,900.00	7,780.00	7,265.43	7,254.43	91.67	25.32	-81.13	-413.52	133.24	4,799.23	4,724.14	75.09	63.915		
11,000.00	7,780.00	7,245.84	7,235.31	93.79	25.24	-80.83	-414.24	129.06	4,866.22	4,790.51	75.70	64.280		
11,100.00	7,780.00	7,226.19	7,216.13	95.94	25.17	-80.53	-414.97	124.87	4,934.24	4,857.93	76.31	64.664		
11,200.00	7,780.00	7,206.49	7,196.89	98.12	25.09	-80.23	-415.72	120.66	5,003.24	4,926.35	76.89	65.069		
11,300.00	7,780.00	7,186.39	7,177.28	100.33	25.02	-79.92	-416.50	116.37	5,073.20	4,995.74	77.46	65.494		
11,400.00	7,780.00	7,165.05	7,156.43	102.57	24.94	-79.60	-417.28	111.85	5,144.07	5,066.06	78.01	65.944		
11,500.00	7,780.00	7,144.42	7,136.27	104.84	24.86	-79.28	-417.96	107.56	5,215.80	5,137.26	78.54	66.408		
11,600.00	7,780.00	7,124.46	7,116.74	107.13	24.79	-78.98	-418.54	103.47	5,288.38	5,209.31	79.06	66.887		
11,700.00	7,780.00	7,105.15	7,097.83	109.44	24.71	-78.69	-419.03	99.59	5,361.76	5,282.18	79.57	67.381		
11,800.00	7,780.00	7,096.00	7,088.86	111.78	24.68	-78.55	-419.24	97.77	5,435.93	5,355.80	80.13	67.842		
11,900.00	7,780.00	7,076.36	7,069.61	114.13	24.61	-78.25	-419.66	93.92	5,510.85	5,430.25	80.60	68.371		
12,000.00	7,780.00	7,063.79	7,057.28	116.50	24.56	-78.06	-419.92	91.49	5,586.53	5,505.42	81.10	68.881		
12,100.00	7,780.00	7,051.52	7,045.24	118.89	24.52	-77.88	-420.15	89.15	5,662.91	5,581.32	81.59	69.406		
12,200.00	7,780.00	7,039.54	7,033.47	121.29	24.47	-77.70	-420.37	86.89	5,739.98	5,657.92	82.07	69.944		
12,300.00	7,780.00	7,027.84	7,021.98	123.71	24.43	-77.52	-420.57	84.71	5,817.72	5,735.19	82.53	70.496		
12,400.00	7,780.00	7,016.41	7,010.75	126.14	24.39	-77.35	-420.76	82.61	5,896.08	5,813.11	82.97	71.060		
12,500.00	7,780.00	7,002.00	6,996.58	128.58	24.33	-77.13	-420.98	79.99	5,975.06	5,891.67	83.39	71.651		
12,600.00	7,780.00	7,002.00	6,996.58	131.03	24.33	-77.13	-420.98	79.99	6,054.63	5,970.76	83.87	72.189		
12,700.00	7,780.00	7,002.00	6,996.58	133.49	24.33	-77.13	-420.98	79.99	6,134.80	6,050.47	84.34	72.741		
12,800.00	7,780.00	7,002.00	6,996.58	135.97	24.33	-77.13	-420.98	79.99	6,215.55	6,130.76	84.79	73.305		
12,900.00	7,780.00	7,002.00	6,996.58	138.45	24.33	-77.13	-420.98	79.99	6,296.85	6,211.62	85.23	73.882		
13,000.00	7,780.00	7,002.00	6,996.58	140.94	24.33	-77.13	-420.98	79.99	6,378.68	6,293.02	85.65	74.471		
13,100.00	7,780.00	7,002.00	6,996.58	143.44	24.33	-77.13	-420.98	79.99	6,461.02	6,374.95	86.07	75.070		
13,200.00	7,780.00	7,002.00	6,996.58	145.95	24.33	-77.13	-420.98	79.99	6,543.85	6,457.38	86.47	75.681		
13,300.00	7,780.00	6,967.39	6,962.49	148.47	24.21	-76.62	-421.54	74.05	6,626.79	6,540.11	86.69	76.444		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
13,400.00	7,780.00	6,963.37	6,958.52	150.99	24.19	-76.56	-421.61	73.39	6,710.47	6,623.42	87.05	77.090		
13,500.00	7,780.00	6,959.44	6,954.65	153.52	24.18	-76.50	-421.68	72.76	6,794.57	6,707.18	87.40	77.743		
13,600.00	7,780.00	6,955.61	6,950.86	156.06	24.17	-76.44	-421.75	72.15	6,879.10	6,791.36	87.74	78.405		
13,700.00	7,780.00	6,951.86	6,947.16	158.60	24.15	-76.38	-421.82	71.57	6,964.02	6,875.95	88.07	79.075		
13,800.00	7,780.00	6,948.20	6,943.55	161.14	24.14	-76.33	-421.89	71.00	7,049.33	6,960.94	88.39	79.752		
13,900.00	7,780.00	6,944.63	6,940.02	163.70	24.13	-76.27	-421.96	70.45	7,135.02	7,046.31	88.70	80.437		
14,000.00	7,780.00	6,908.00	6,903.77	166.25	23.99	-75.73	-422.71	65.20	7,221.39	7,132.54	88.85	81.272		
14,100.00	7,780.00	6,908.00	6,903.77	168.81	23.99	-75.73	-422.71	65.20	7,307.72	7,218.55	89.17	81.954		
14,200.00	7,780.00	6,908.00	6,903.77	171.38	23.99	-75.73	-422.71	65.20	7,394.39	7,304.92	89.47	82.643		
14,300.00	7,780.00	6,908.00	6,903.77	173.95	23.99	-75.73	-422.71	65.20	7,481.40	7,391.63	89.77	83.339		
14,400.00	7,780.00	6,908.00	6,903.77	176.53	23.99	-75.73	-422.71	65.20	7,568.73	7,478.67	90.06	84.041		
14,500.00	7,780.00	6,908.00	6,903.77	179.10	23.99	-75.73	-422.71	65.20	7,656.36	7,566.02	90.34	84.748		
14,600.00	7,780.00	6,908.00	6,903.77	181.69	23.99	-75.73	-422.71	65.20	7,744.30	7,653.68	90.62	85.462		
14,700.00	7,780.00	6,908.00	6,903.77	184.27	23.99	-75.73	-422.71	65.20	7,832.52	7,741.64	90.88	86.181		
14,800.00	7,780.00	6,908.00	6,903.77	186.86	23.99	-75.73	-422.71	65.20	7,921.03	7,829.88	91.15	86.905		
14,900.00	7,780.00	6,908.00	6,903.77	189.45	23.99	-75.73	-422.71	65.20	8,009.81	7,918.41	91.40	87.635		
15,000.00	7,780.00	6,908.00	6,903.77	192.05	23.99	-75.73	-422.71	65.20	8,098.84	8,007.20	91.65	88.369		
15,100.00	7,780.00	6,908.00	6,903.77	194.65	23.99	-75.73	-422.71	65.20	8,188.14	8,096.24	91.89	89.108		
15,200.00	7,780.00	6,908.00	6,903.77	197.25	23.99	-75.73	-422.71	65.20	8,277.67	8,185.54	92.13	89.851		
15,300.00	7,780.00	6,908.00	6,903.77	199.85	23.99	-75.73	-422.71	65.20	8,367.44	8,275.09	92.36	90.598		
15,400.00	7,780.00	6,886.64	6,882.61	202.46	23.92	-75.41	-423.15	62.37	8,457.39	8,364.90	92.50	91.436		
15,500.00	7,780.00	6,880.36	6,876.38	205.07	23.89	-75.32	-423.27	61.56	8,547.58	8,454.89	92.69	92.217		
15,600.00	7,780.00	6,874.19	6,870.26	207.68	23.87	-75.22	-423.38	60.77	8,637.97	8,545.09	92.88	93.000		
15,700.00	7,780.00	6,868.14	6,864.26	210.29	23.85	-75.13	-423.48	60.00	8,728.57	8,635.50	93.07	93.787		
15,800.00	7,780.00	6,862.20	6,858.37	212.91	23.83	-75.05	-423.58	59.25	8,819.36	8,726.11	93.25	94.576		
15,900.00	7,780.00	6,856.37	6,852.59	215.53	23.81	-74.96	-423.66	58.52	8,910.33	8,816.90	93.43	95.369		
16,000.00	7,780.00	6,850.65	6,846.91	218.15	23.79	-74.87	-423.75	57.82	9,001.50	8,907.89	93.61	96.164		
16,100.00	7,780.00	6,845.03	6,841.34	220.77	23.77	-74.79	-423.82	57.13	9,092.84	8,999.06	93.78	96.961		
16,200.00	7,780.00	6,839.52	6,835.86	223.39	23.75	-74.71	-423.90	56.46	9,184.35	9,090.40	93.95	97.761		
16,300.00	7,780.00	6,813.00	6,809.53	226.02	23.65	-74.32	-424.18	53.33	9,276.08	9,182.06	94.03	98.655		
16,400.00	7,780.00	6,813.00	6,809.53	228.65	23.65	-74.32	-424.18	53.33	9,367.90	9,273.69	94.21	99.437		
16,500.00	7,780.00	6,813.00	6,809.53	231.28	23.65	-74.32	-424.18	53.33	9,459.89	9,365.50	94.39	100.221		
16,600.00	7,780.00	6,813.00	6,809.53	233.91	23.65	-74.32	-424.18	53.33	9,552.04	9,457.47	94.57	101.007		
16,700.00	7,780.00	6,813.00	6,809.53	236.54	23.65	-74.32	-424.18	53.33	9,644.34	9,549.60	94.74	101.796		
16,800.00	7,780.00	6,813.00	6,809.53	239.17	23.65	-74.32	-424.18	53.33	9,736.80	9,641.89	94.91	102.587		
16,900.00	7,780.00	6,813.00	6,809.53	241.81	23.65	-74.32	-424.18	53.33	9,829.40	9,734.32	95.08	103.380		
17,000.00	7,780.00	6,813.00	6,809.53	244.44	23.65	-74.32	-424.18	53.33	9,922.15	9,826.91	95.25	104.175		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	27.45	27.45	0.00	0.04	-174.13	-430.57	-44.23	432.83					
100.00	100.00	127.21	127.20	0.13	0.26	-173.97	-430.57	-45.49	432.96	432.57	0.39	1,110.156 ES		
200.00	199.98	227.24	227.22	0.49	0.62	-167.87	-430.49	-46.89	434.74	433.63	1.11	391.278		
300.00	299.84	326.83	326.80	0.86	0.97	-167.83	-430.51	-48.11	440.01	438.17	1.84	239.441		
400.00	399.45	426.44	426.41	1.23	1.33	-167.89	-430.56	-49.17	448.69	446.13	2.57	174.923		
500.00	498.70	526.92	526.88	1.63	1.69	-168.06	-430.54	-49.99	460.69	457.39	3.30	139.750		
600.00	597.47	626.18	626.15	2.04	2.05	-168.32	-430.30	-50.55	475.82	471.79	4.03	118.162		
700.00	695.62	724.41	724.37	2.49	2.40	-168.62	-430.03	-51.19	494.32	489.56	4.76	103.891		
800.00	793.06	822.80	822.75	2.97	2.75	-168.94	-429.67	-51.93	516.12	510.62	5.49	93.943		
900.00	889.64	917.94	917.90	3.49	3.09	-169.27	-429.37	-52.74	541.32	535.10	6.22	86.976		
1,000.00	985.27	1,013.64	1,013.59	4.05	3.43	-169.62	-429.21	-53.57	570.00	563.04	6.96	81.892		
1,100.00	1,079.82	1,108.04	1,107.99	4.65	3.77	-170.00	-429.08	-54.23	602.01	594.31	7.70	78.216		
1,200.00	1,173.17	1,201.55	1,201.49	5.29	4.11	-170.39	-428.95	-54.64	637.29	628.85	8.43	75.566		
1,300.00	1,265.21	1,292.05	1,292.00	5.99	4.43	-170.78	-428.98	-54.89	675.94	666.78	9.16	73.789		
1,400.00	1,356.55	1,383.95	1,383.90	6.71	4.76	-171.28	-429.03	-55.13	716.32	706.43	9.89	72.423		
1,500.00	1,447.88	1,473.78	1,473.72	7.44	5.07	-171.72	-429.16	-55.37	756.80	746.20	10.61	71.351		
1,600.00	1,539.21	1,564.01	1,563.95	8.17	5.39	-172.12	-429.43	-55.57	797.47	786.15	11.32	70.427		
1,700.00	1,630.55	1,654.04	1,653.98	8.91	5.70	-172.49	-429.84	-55.63	838.30	826.26	12.03	69.655		
1,800.00	1,721.88	1,746.96	1,746.90	9.65	6.02	-172.84	-430.22	-55.69	879.12	866.35	12.76	68.873		
1,900.00	1,813.21	1,837.65	1,837.59	10.40	6.34	-173.14	-430.53	-55.87	919.90	906.41	13.49	68.190		
2,000.00	1,904.54	1,929.83	1,929.77	11.15	6.66	-173.42	-430.81	-56.06	960.67	946.45	14.23	67.525		
2,100.00	1,995.88	2,021.69	2,021.63	11.90	6.99	-173.68	-431.02	-56.22	1,001.39	986.42	14.96	66.917		
2,200.00	2,087.21	2,114.07	2,114.01	12.65	7.32	-173.92	-431.15	-56.41	1,042.04	1,026.33	15.71	66.336		
2,300.00	2,178.54	2,205.66	2,205.60	13.41	7.65	-174.13	-431.22	-56.67	1,082.64	1,066.19	16.45	65.812		
2,400.00	2,269.87	2,297.46	2,297.40	14.16	7.98	-174.33	-431.26	-57.05	1,123.23	1,106.04	17.19	65.324		
2,500.00	2,361.21	2,389.83	2,389.76	14.92	8.31	-174.50	-431.23	-57.45	1,163.76	1,145.81	17.94	64.858		
2,600.00	2,452.54	2,480.61	2,480.55	15.67	8.63	-174.67	-431.19	-57.83	1,204.28	1,185.60	18.68	64.461		
2,700.00	2,543.87	2,571.04	2,570.98	16.43	8.96	-174.83	-431.20	-58.15	1,244.87	1,225.45	19.42	64.100		
2,800.00	2,635.20	2,660.90	2,660.84	17.19	9.28	-174.97	-431.31	-58.44	1,285.55	1,265.40	20.16	63.782		
2,900.00	2,726.54	2,753.29	2,753.22	17.95	9.61	-175.11	-431.43	-58.83	1,326.26	1,305.35	20.91	63.437		
3,000.00	2,817.87	2,846.06	2,846.00	18.71	9.94	-175.23	-431.46	-59.33	1,366.88	1,345.22	21.66	63.103		
3,100.00	2,909.20	2,937.92	2,937.86	19.47	10.27	-175.35	-431.43	-59.86	1,407.44	1,385.03	22.41	62.804		
3,200.00	3,000.54	3,014.83	3,014.76	20.22	10.54	-175.45	-431.76	-59.96	1,448.44	1,425.39	23.06	62.823		
3,300.00	3,091.87	3,099.96	3,099.88	20.98	10.83	-175.59	-432.77	-59.38	1,490.16	1,466.41	23.74	62.759		
3,400.00	3,183.20	3,192.15	3,192.06	21.74	11.14	-175.75	-433.95	-58.54	1,531.99	1,507.51	24.48	62.594		
3,500.00	3,274.53	3,282.36	3,282.27	22.50	11.44	-175.88	-435.02	-57.85	1,573.72	1,548.52	25.20	62.461		
3,600.00	3,365.87	3,375.70	3,375.59	23.27	11.76	-176.01	-436.16	-57.14	1,615.50	1,589.56	25.94	62.285		
3,700.00	3,457.20	3,465.99	3,465.88	24.03	12.07	-176.13	-437.08	-56.56	1,657.10	1,630.44	26.66	62.155		
3,800.00	3,548.53	3,555.37	3,555.24	24.79	12.37	-176.25	-438.16	-55.88	1,698.88	1,671.50	27.38	62.049		
3,900.00	3,639.86	3,650.55	3,650.42	25.55	12.70	-176.36	-439.23	-55.31	1,740.58	1,712.44	28.14	61.859		
4,000.00	3,731.20	3,745.96	3,745.82	26.31	13.03	-176.46	-439.99	-54.79	1,781.98	1,753.09	28.90	61.665		
4,100.00	3,822.53	3,836.54	3,836.40	27.07	13.34	-176.56	-440.61	-54.20	1,823.30	1,793.67	29.63	61.544		
4,200.00	3,913.86	3,926.50	3,926.36	27.83	13.65	-176.65	-441.31	-53.59	1,864.70	1,834.34	30.35	61.437		
4,300.00	4,005.19	4,016.45	4,016.31	28.59	13.96	-176.74	-442.02	-53.19	1,906.11	1,875.03	31.08	61.330		
4,400.00	4,096.53	4,104.94	4,104.79	29.35	14.27	-176.81	-442.85	-52.98	1,947.64	1,915.84	31.80	61.245		
4,500.00	4,187.86	4,194.34	4,194.19	30.12	14.58	-176.87	-443.77	-52.90	1,989.25	1,956.72	32.53	61.150		
4,600.00	4,279.19	4,282.39	4,282.22	30.88	14.89	-176.93	-444.77	-52.80	2,030.96	1,997.71	33.25	61.078		
4,700.00	4,370.52	4,370.73	4,370.56	31.64	15.21	-176.98	-445.92	-53.10	2,072.80	2,038.83	33.98	61.005		
4,800.00	4,461.86	4,460.16	4,459.98	32.40	15.53	-177.01	-447.19	-53.86	2,114.73	2,080.01	34.71	60.920		
4,900.00	4,553.19	4,550.73	4,550.54	33.16	15.85	-177.05	-448.51	-54.62	2,156.68	2,121.23	35.46	60.825		
5,000.00	4,644.52	4,643.53	4,643.33	33.93	16.18	-177.09	-449.80	-54.97	2,198.61	2,162.39	36.21	60.711		
5,100.00	4,735.86	4,742.67	4,742.46	34.69	16.53	-177.16	-450.89	-54.46	2,240.32	2,203.31	37.01	60.533		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,827.19	4,837.13	4,836.91	35.45	16.85	-177.23	-451.67	-53.68	2,281.80	2,244.03	37.77	60.415		
5,300.00	4,918.52	4,931.47	4,931.24	36.21	17.18	-177.30	-452.30	-52.95	2,323.13	2,284.61	38.53	60.298		
5,400.00	5,009.85	5,023.15	5,022.92	36.98	17.49	-177.37	-452.85	-52.20	2,364.41	2,325.14	39.27	60.212		
5,500.00	5,101.19	5,119.60	5,119.37	37.74	17.83	-177.44	-453.28	-51.27	2,405.56	2,365.52	40.04	60.080		
5,600.00	5,192.52	5,216.53	5,216.29	38.50	18.16	-177.51	-453.48	-50.11	2,446.50	2,405.69	40.81	59.945		
5,700.00	5,283.85	5,308.87	5,308.61	39.26	18.47	-177.59	-453.53	-48.80	2,487.33	2,445.78	41.55	59.858 SF		
5,800.00	5,375.18	5,351.01	5,350.75	40.03	18.62	-177.62	-454.05	-48.18	2,529.12	2,487.16	41.96	60.277		
5,900.00	5,466.52	5,393.00	5,392.72	40.79	18.76	-177.65	-455.20	-47.56	2,572.47	2,530.13	42.35	60.748		
6,000.00	5,557.85	5,456.59	5,456.24	41.55	18.99	-177.71	-457.84	-46.23	2,617.08	2,574.20	42.89	61.023		
6,100.00	5,649.18	5,514.12	5,513.65	42.31	19.19	-177.77	-460.90	-44.35	2,662.78	2,619.40	43.38	61.386		
6,200.00	5,740.51	5,571.00	5,570.38	43.08	19.39	-177.84	-464.57	-42.14	2,709.52	2,665.66	43.86	61.779		
6,300.00	5,831.85	5,626.92	5,626.08	43.84	19.59	-177.91	-468.81	-39.66	2,757.29	2,712.97	44.33	62.203		
6,400.00	5,923.18	5,677.00	5,675.91	44.60	19.77	-177.98	-473.14	-37.11	2,806.10	2,761.35	44.75	62.713		
6,500.00	6,014.51	5,727.35	5,725.94	45.36	19.95	-178.05	-478.13	-34.39	2,856.04	2,810.88	45.16	63.242		
6,600.00	6,105.85	5,771.00	5,769.24	46.13	20.11	-178.11	-483.09	-32.04	2,907.22	2,861.70	45.52	63.873		
6,700.00	6,197.18	5,824.67	5,822.40	46.89	20.30	-178.18	-489.87	-29.24	2,959.48	2,913.53	45.95	64.405		
6,800.00	6,288.51	5,896.88	5,893.83	47.65	20.56	-178.26	-499.82	-25.70	3,012.65	2,966.10	46.54	64.728		
6,900.00	6,379.84	5,987.07	5,983.10	48.42	20.89	-178.38	-511.65	-20.55	3,065.33	3,018.04	47.29	64.822		
7,000.00	6,471.18	6,032.69	6,028.18	49.18	21.06	-178.44	-518.04	-17.77	3,118.82	3,071.17	47.65	65.447		
7,100.00	6,562.51	6,055.00	6,050.20	49.94	21.14	-178.47	-521.37	-16.40	3,173.53	3,125.71	47.81	66.375		
7,200.00	6,653.84	6,104.95	6,099.37	50.71	21.33	-178.53	-529.56	-13.27	3,229.28	3,181.07	48.21	66.986		
7,300.00	6,745.17	6,149.00	6,142.56	51.47	21.50	-178.59	-537.73	-10.44	3,286.48	3,237.93	48.55	67.693		
7,400.00	6,836.51	6,176.20	6,169.16	52.23	21.60	-178.62	-543.15	-8.63	3,344.74	3,296.01	48.73	68.631		
7,500.00	6,927.84	6,218.65	6,210.58	52.99	21.76	-178.68	-551.97	-5.62	3,404.01	3,354.95	49.06	69.389		
7,600.00	7,019.17	6,243.00	6,234.28	53.76	21.86	-178.71	-557.23	-3.79	3,464.25	3,415.04	49.21	70.400		
7,700.00	7,110.50	6,296.81	6,286.51	54.52	22.07	-178.79	-569.44	0.52	3,525.28	3,475.65	49.63	71.026		
7,800.00	7,201.84	6,338.00	6,326.33	55.28	22.23	-178.85	-579.36	4.07	3,587.32	3,537.38	49.94	71.832		
7,900.00	7,293.16	6,385.96	6,372.57	56.05	22.42	-174.82	-591.32	8.38	3,650.12	3,599.81	50.31	72.549		
8,000.00	7,383.34	6,440.02	6,424.60	56.83	22.64	-147.16	-605.10	13.42	3,713.72	3,662.97	50.75	73.181		
8,100.00	7,469.66	6,503.58	6,485.63	57.62	22.90	-125.77	-621.38	20.44	3,776.80	3,725.52	51.28	73.657		
8,200.00	7,549.48	6,545.92	6,526.18	58.39	23.08	-109.81	-632.20	26.07	3,837.80	3,786.19	51.60	74.369		
8,300.00	7,620.40	6,572.60	6,551.65	59.13	23.19	-97.77	-639.12	30.02	3,895.56	3,843.76	51.80	75.206		
8,400.00	7,680.24	6,592.33	6,570.42	59.84	23.27	-88.67	-644.31	33.15	3,948.79	3,896.82	51.96	75.990		
8,500.00	7,727.20	6,621.00	6,597.62	60.51	23.40	-82.10	-651.95	38.00	3,996.31	3,944.02	52.29	76.430		
8,600.00	7,759.84	6,621.00	6,597.62	61.13	23.40	-77.01	-651.95	38.00	4,036.87	3,984.44	52.44	76.986		
8,700.00	7,777.18	6,621.00	6,597.62	61.71	23.40	-73.59	-651.95	38.00	4,069.67	4,016.96	52.71	77.207		
8,800.00	7,780.00	6,621.00	6,597.62	62.25	23.40	-72.26	-651.95	38.00	4,094.84	4,041.72	53.12	77.091		
8,900.00	7,780.00	6,594.21	6,572.20	62.83	23.28	-71.88	-644.80	33.45	4,120.13	4,066.76	53.37	77.194		
9,000.00	7,780.00	6,586.68	6,565.05	63.50	23.25	-71.77	-642.82	32.23	4,147.75	4,093.84	53.91	76.936		
9,100.00	7,780.00	6,579.46	6,558.18	64.25	23.22	-71.67	-640.92	31.09	4,177.55	4,123.01	54.53	76.604		
9,200.00	7,780.00	6,572.52	6,551.56	65.08	23.19	-71.57	-639.10	30.01	4,209.49	4,154.26	55.23	76.217		
9,300.00	7,780.00	6,565.84	6,545.20	65.99	23.16	-71.48	-637.36	28.99	4,243.51	4,187.52	55.99	75.791		
9,400.00	7,780.00	6,559.42	6,539.07	67.00	23.14	-71.39	-635.68	28.03	4,279.59	4,222.78	56.80	75.343		
9,500.00	7,780.00	6,553.23	6,533.16	68.10	23.11	-71.30	-634.08	27.12	4,317.65	4,259.99	57.66	74.887		
9,600.00	7,780.00	6,527.00	6,508.08	69.29	23.00	-70.93	-627.35	23.46	4,357.77	4,299.43	58.35	74.688		
9,700.00	7,780.00	6,527.00	6,508.08	70.56	23.00	-70.93	-627.35	23.46	4,399.61	4,340.30	59.32	74.170		
9,800.00	7,780.00	6,527.00	6,508.08	71.93	23.00	-70.93	-627.35	23.46	4,443.31	4,383.01	60.31	73.678		
9,900.00	7,780.00	6,527.00	6,508.08	73.38	23.00	-70.93	-627.35	23.46	4,488.81	4,427.51	61.31	73.220		
10,000.00	7,780.00	6,527.00	6,508.08	74.91	23.00	-70.93	-627.35	23.46	4,536.06	4,473.75	62.31	72.798		
10,100.00	7,780.00	6,527.00	6,508.08	76.52	23.00	-70.93	-627.35	23.46	4,585.00	4,521.69	63.31	72.416		
10,200.00	7,780.00	6,527.00	6,508.08	78.21	23.00	-70.93	-627.35	23.46	4,635.59	4,571.27	64.31	72.076		
10,300.00	7,780.00	6,504.05	6,486.08	79.96	22.91	-70.60	-621.50	20.50	4,687.65	4,622.56	65.09	72.019		

CC - Min centre to center distance or convergent 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 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	6,497.74	6,480.03	81.78	22.88	-70.51	-619.89	19.73	4,741.28	4,675.27	66.01	71.824		
10,500.00	7,780.00	6,491.68	6,474.22	83.66	22.85	-70.42	-618.34	19.00	4,796.39	4,729.46	66.93	71.667		
10,600.00	7,780.00	6,485.86	6,468.63	85.59	22.83	-70.34	-616.85	18.32	4,852.91	4,785.09	67.83	71.548		
10,700.00	7,780.00	6,480.27	6,463.27	87.57	22.81	-70.26	-615.42	17.67	4,910.81	4,842.10	68.71	71.467		
10,800.00	7,780.00	6,474.89	6,458.11	89.60	22.79	-70.18	-614.05	17.06	4,970.03	4,900.45	69.59	71.422		
10,900.00	7,780.00	6,469.72	6,453.14	91.67	22.76	-70.11	-612.72	16.49	5,030.53	4,960.09	70.44	71.414		
11,000.00	7,780.00	6,464.73	6,448.35	93.79	22.74	-70.04	-611.44	15.95	5,092.27	5,020.99	71.28	71.441		
11,100.00	7,780.00	6,459.93	6,443.74	95.94	22.72	-69.97	-610.21	15.44	5,155.19	5,083.10	72.10	71.502		
11,200.00	7,780.00	6,455.30	6,439.29	98.12	22.70	-69.90	-609.03	14.95	5,219.27	5,146.37	72.90	71.596		
11,300.00	7,780.00	6,432.00	6,416.89	100.33	22.61	-69.57	-603.04	12.65	5,284.53	5,211.02	73.50	71.897		
11,400.00	7,780.00	6,432.00	6,416.89	102.57	22.61	-69.57	-603.04	12.65	5,350.74	5,276.43	74.30	72.012		
11,500.00	7,780.00	6,432.00	6,416.89	104.84	22.61	-69.57	-603.04	12.65	5,417.99	5,342.90	75.09	72.158		
11,600.00	7,780.00	6,432.00	6,416.89	107.13	22.61	-69.57	-603.04	12.65	5,486.24	5,410.39	75.85	72.334		
11,700.00	7,780.00	6,432.00	6,416.89	109.44	22.61	-69.57	-603.04	12.65	5,555.45	5,478.86	76.59	72.539		
11,800.00	7,780.00	6,432.00	6,416.89	111.78	22.61	-69.57	-603.04	12.65	5,625.58	5,548.28	77.30	72.772		
11,900.00	7,780.00	6,432.00	6,416.89	114.13	22.61	-69.57	-603.04	12.65	5,696.61	5,618.61	78.00	73.031		
12,000.00	7,780.00	6,432.00	6,416.89	116.50	22.61	-69.57	-603.04	12.65	5,768.50	5,689.82	78.68	73.314		
12,100.00	7,780.00	6,412.86	6,398.47	118.89	22.53	-69.30	-598.14	10.86	5,841.16	5,761.99	79.16	73.785		
12,200.00	7,780.00	6,407.25	6,393.07	121.29	22.51	-69.22	-596.71	10.34	5,914.63	5,834.88	79.75	74.162		
12,300.00	7,780.00	6,401.69	6,387.71	123.71	22.49	-69.14	-595.30	9.83	5,988.87	5,908.55	80.32	74.559		
12,400.00	7,780.00	6,396.15	6,382.39	126.14	22.46	-69.06	-593.89	9.32	6,063.84	5,982.96	80.88	74.975		
12,500.00	7,780.00	6,390.66	6,377.10	128.58	22.44	-68.98	-592.50	8.81	6,139.51	6,058.09	81.41	75.410		
12,600.00	7,780.00	6,385.20	6,371.84	131.03	22.42	-68.91	-591.13	8.31	6,215.86	6,133.93	81.93	75.864		
12,700.00	7,780.00	6,379.78	6,366.61	133.49	22.40	-68.83	-589.76	7.82	6,292.87	6,210.43	82.44	76.334		
12,800.00	7,780.00	6,374.39	6,361.42	135.97	22.38	-68.75	-588.41	7.33	6,370.50	6,287.58	82.93	76.821		
12,900.00	7,780.00	6,369.04	6,356.27	138.45	22.36	-68.68	-587.07	6.85	6,448.75	6,365.35	83.40	77.323		
13,000.00	7,780.00	6,363.73	6,351.14	140.94	22.33	-68.60	-585.74	6.37	6,527.58	6,443.72	83.86	77.840		
13,100.00	7,780.00	6,358.45	6,346.05	143.44	22.31	-68.53	-584.42	5.89	6,606.98	6,522.67	84.30	78.371		
13,200.00	7,780.00	6,353.20	6,340.99	145.95	22.29	-68.45	-583.12	5.42	6,686.92	6,602.19	84.73	78.916		
13,300.00	7,780.00	6,338.00	6,326.33	148.47	22.23	-68.24	-579.36	4.07	6,767.40	6,682.34	85.06	79.558		
13,400.00	7,780.00	6,338.00	6,326.33	150.99	22.23	-68.24	-579.36	4.07	6,848.37	6,762.85	85.51	80.084		
13,500.00	7,780.00	6,338.00	6,326.33	153.52	22.23	-68.24	-579.36	4.07	6,929.83	6,843.88	85.95	80.623		
13,600.00	7,780.00	6,338.00	6,326.33	156.06	22.23	-68.24	-579.36	4.07	7,011.78	6,925.40	86.38	81.174		
13,700.00	7,780.00	6,338.00	6,326.33	158.60	22.23	-68.24	-579.36	4.07	7,094.18	7,007.39	86.79	81.735		
13,800.00	7,780.00	6,338.00	6,326.33	161.14	22.23	-68.24	-579.36	4.07	7,177.04	7,089.84	87.20	82.308		
13,900.00	7,780.00	6,338.00	6,326.33	163.70	22.23	-68.24	-579.36	4.07	7,260.32	7,172.73	87.59	82.890		
14,000.00	7,780.00	6,338.00	6,326.33	166.25	22.23	-68.24	-579.36	4.07	7,344.02	7,256.05	87.97	83.483		
14,100.00	7,780.00	6,338.00	6,326.33	168.81	22.23	-68.24	-579.36	4.07	7,428.13	7,339.79	88.34	84.084		
14,200.00	7,780.00	6,338.00	6,326.33	171.38	22.23	-68.24	-579.36	4.07	7,512.62	7,423.92	88.70	84.695		
14,300.00	7,780.00	6,338.00	6,326.33	173.95	22.23	-68.24	-579.36	4.07	7,597.50	7,508.44	89.05	85.314		
14,400.00	7,780.00	6,338.00	6,326.33	176.53	22.23	-68.24	-579.36	4.07	7,682.73	7,593.34	89.40	85.941		
14,500.00	7,780.00	6,307.86	6,297.20	179.10	22.11	-67.81	-572.05	1.45	7,768.14	7,678.67	89.47	86.826		
14,600.00	7,780.00	6,305.00	6,294.44	181.69	22.10	-67.77	-571.37	1.21	7,854.03	7,764.27	89.77	87.493		
14,700.00	7,780.00	6,302.17	6,291.70	184.27	22.09	-67.73	-570.70	0.97	7,940.26	7,850.20	90.06	88.166		
14,800.00	7,780.00	6,299.36	6,288.98	186.86	22.08	-67.69	-570.04	0.73	8,026.79	7,936.45	90.34	88.846		
14,900.00	7,780.00	6,296.58	6,286.28	189.45	22.07	-67.65	-569.39	0.50	8,113.64	8,023.02	90.62	89.533		
15,000.00	7,780.00	6,293.82	6,283.61	192.05	22.06	-67.61	-568.74	0.27	8,200.78	8,109.89	90.89	90.226		
15,100.00	7,780.00	6,291.08	6,280.96	194.65	22.05	-67.57	-568.10	0.04	8,288.21	8,197.05	91.16	90.924		
15,200.00	7,780.00	6,288.37	6,278.32	197.25	22.04	-67.54	-567.47	-0.18	8,375.92	8,284.50	91.41	91.629		
15,300.00	7,780.00	6,285.67	6,275.71	199.85	22.02	-67.50	-566.84	-0.40	8,463.89	8,372.23	91.66	92.338		
15,400.00	7,780.00	6,283.00	6,273.12	202.46	22.01	-67.46	-566.23	-0.62	8,552.13	8,460.23	91.91	93.054		
15,500.00	7,780.00	6,280.35	6,270.55	205.07	22.00	-67.42	-565.62	-0.84	8,640.62	8,548.48	92.14	93.774		

CC - Min centre to center distance or convergent 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 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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											
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning				
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	+N/-S (usft)	+E/-W (usft)	(usft)	(usft)	(usft)						
15,600.00	7,780.00	6,277.72	6,268.01	207.68	21.99	-67.39	-565.01	-1.05	8,729.36	8,636.99	92.38	94.498					
15,700.00	7,780.00	6,275.12	6,265.48	210.29	21.98	-67.35	-564.42	-1.26	8,818.34	8,725.74	92.60	95.228					
15,800.00	7,780.00	6,243.00	6,234.28	212.91	21.86	-66.90	-557.23	-3.79	8,907.71	8,815.13	92.58	96.216					
15,900.00	7,780.00	6,243.00	6,234.28	215.53	21.86	-66.90	-557.23	-3.79	8,997.11	8,904.29	92.82	96.933					
16,000.00	7,780.00	6,243.00	6,234.28	218.15	21.86	-66.90	-557.23	-3.79	9,086.74	8,993.69	93.05	97.654					
16,100.00	7,780.00	6,243.00	6,234.28	220.77	21.86	-66.90	-557.23	-3.79	9,176.58	9,083.30	93.28	98.378					
16,200.00	7,780.00	6,243.00	6,234.28	223.39	21.86	-66.90	-557.23	-3.79	9,266.63	9,173.13	93.50	99.107					
16,300.00	7,780.00	6,243.00	6,234.28	226.02	21.86	-66.90	-557.23	-3.79	9,356.88	9,263.16	93.72	99.839					
16,400.00	7,780.00	6,243.00	6,234.28	228.65	21.86	-66.90	-557.23	-3.79	9,447.33	9,353.40	93.93	100.575					
16,500.00	7,780.00	6,243.00	6,234.28	231.28	21.86	-66.90	-557.23	-3.79	9,537.97	9,443.82	94.14	101.314					
16,600.00	7,780.00	6,243.00	6,234.28	233.91	21.86	-66.90	-557.23	-3.79	9,628.79	9,534.44	94.35	102.056					
16,700.00	7,780.00	6,243.00	6,234.28	236.54	21.86	-66.90	-557.23	-3.79	9,719.80	9,625.25	94.55	102.802					
16,800.00	7,780.00	6,243.00	6,234.28	239.17	21.86	-66.90	-557.23	-3.79	9,810.97	9,716.23	94.75	103.550					
16,900.00	7,780.00	6,243.00	6,234.28	241.81	21.86	-66.90	-557.23	-3.79	9,902.32	9,807.38	94.94	104.302					
17,000.00	7,780.00	6,243.00	6,234.28	244.44	21.86	-66.90	-557.23	-3.79	9,993.84	9,898.71	95.13	105.056					

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	-179.20	-20.03	-0.28	20.04					
100.00	100.00	100.10	100.10	0.13	0.13	-179.20	-20.03	-0.28	20.04	19.77	0.27	74.427 CC		
200.00	199.98	200.08	200.08	0.49	0.49	-173.78	-20.03	-0.28	21.77	20.78	0.99	22.007		
300.00	299.84	300.84	300.82	0.86	0.86	-174.56	-18.27	-0.50	25.23	23.52	1.71	14.723		
400.00	399.45	401.72	401.56	1.23	1.23	-175.02	-12.99	-1.15	28.67	26.23	2.44	11.756		
500.00	498.70	502.73	502.17	1.63	1.60	-175.26	-4.17	-2.23	32.09	28.92	3.17	10.135		
600.00	597.47	603.86	602.52	2.04	1.99	-175.34	8.17	-3.75	35.47	31.57	3.90	9.101		
700.00	695.62	705.11	702.50	2.49	2.40	-175.31	24.05	-5.70	38.82	34.19	4.64	8.375		
800.00	793.06	806.48	801.96	2.97	2.85	-175.19	43.44	-8.09	42.13	36.75	5.38	7.830		
900.00	889.64	907.97	900.79	3.49	3.33	-175.00	66.35	-10.90	45.40	39.26	6.14	7.397		
1,000.00	985.27	1,009.58	998.84	4.05	3.85	-174.75	92.75	-14.15	48.61	41.71	6.90	7.045		
1,100.00	1,079.82	1,111.30	1,096.01	4.65	4.41	-174.46	122.62	-17.82	51.78	44.10	7.68	6.742		
1,200.00	1,173.17	1,213.13	1,192.14	5.29	5.01	-174.13	155.93	-21.91	54.90	46.42	8.47	6.479		
1,300.00	1,265.21	1,313.36	1,285.98	5.99	5.64	-173.92	190.88	-26.21	59.18	49.87	9.31	6.355		
1,400.00	1,356.55	1,413.17	1,379.42	6.71	6.28	-173.91	225.73	-30.50	65.21	55.04	10.17	6.411		
1,500.00	1,447.88	1,512.99	1,472.85	7.44	6.93	-173.91	260.59	-34.78	71.24	60.20	11.04	6.456		
1,600.00	1,539.21	1,612.81	1,566.29	8.17	7.58	-173.90	295.45	-39.07	77.27	65.36	11.91	6.490		
1,700.00	1,630.55	1,712.63	1,659.73	8.91	8.24	-173.90	330.30	-43.35	83.29	70.51	12.78	6.517		
1,800.00	1,721.88	1,812.45	1,753.16	9.65	8.90	-173.90	365.16	-47.64	89.32	75.66	13.66	6.539		
1,900.00	1,813.21	1,912.27	1,846.60	10.40	9.56	-173.89	400.01	-51.92	95.35	80.81	14.54	6.557		
2,000.00	1,904.54	2,012.08	1,940.04	11.15	10.23	-173.89	434.87	-56.21	101.37	85.95	15.43	6.571		
2,100.00	1,995.88	2,111.90	2,033.47	11.90	10.90	-173.89	469.72	-60.49	107.40	91.09	16.31	6.583		
2,200.00	2,087.21	2,211.72	2,126.91	12.65	11.57	-173.89	504.58	-64.78	113.43	96.23	17.20	6.593		
2,300.00	2,178.54	2,311.54	2,220.35	13.41	12.24	-173.89	539.43	-69.06	119.46	101.36	18.09	6.602		
2,400.00	2,269.87	2,411.36	2,313.78	14.16	12.91	-173.88	574.29	-73.35	125.48	106.50	18.99	6.609		
2,500.00	2,361.21	2,511.17	2,407.22	14.92	13.58	-173.88	609.14	-77.63	131.51	111.63	19.88	6.615		
2,600.00	2,452.54	2,610.99	2,500.66	15.67	14.26	-173.88	644.00	-81.92	137.54	116.76	20.77	6.621		
2,700.00	2,543.87	2,710.81	2,594.09	16.43	14.93	-173.88	678.85	-86.20	143.56	121.89	21.67	6.625		
2,800.00	2,635.20	2,810.63	2,687.53	17.19	15.61	-173.88	713.71	-90.49	149.59	127.03	22.57	6.629		
2,900.00	2,726.54	2,910.45	2,780.97	17.95	16.28	-173.88	748.56	-94.77	155.62	132.16	23.46	6.633		
3,000.00	2,817.87	3,010.27	2,874.40	18.71	16.96	-173.88	783.42	-99.06	161.65	137.29	24.36	6.636		
3,100.00	2,909.20	3,110.08	2,967.84	19.47	17.63	-173.88	818.27	-103.34	167.67	142.41	25.26	6.638		
3,200.00	3,000.54	3,209.90	3,061.28	20.22	18.31	-173.88	853.13	-107.63	173.70	147.54	26.16	6.641		
3,300.00	3,091.87	3,309.72	3,154.71	20.98	18.99	-173.87	887.98	-111.91	179.73	152.67	27.06	6.643		
3,400.00	3,183.20	3,409.54	3,248.15	21.74	19.66	-173.87	922.84	-116.20	185.75	157.80	27.96	6.645		
3,500.00	3,274.53	3,509.36	3,341.59	22.50	20.34	-173.87	957.69	-120.48	191.78	162.93	28.86	6.646		
3,600.00	3,365.87	3,609.17	3,435.02	23.27	21.02	-173.87	992.55	-124.77	197.81	168.05	29.76	6.648		
3,700.00	3,457.20	3,708.99	3,528.46	24.03	21.70	-173.87	1,027.40	-129.05	203.84	173.18	30.66	6.649		
3,800.00	3,548.53	3,808.81	3,621.90	24.79	22.38	-173.87	1,062.26	-133.34	209.86	178.31	31.56	6.650		
3,900.00	3,639.86	3,908.63	3,715.33	25.55	23.05	-173.87	1,097.11	-137.62	215.89	183.43	32.46	6.651		
4,000.00	3,731.20	4,008.45	3,808.77	26.31	23.73	-173.87	1,131.97	-141.91	221.92	188.56	33.36	6.652		
4,100.00	3,822.53	4,108.27	3,902.21	27.07	24.41	-173.87	1,166.82	-146.19	227.95	193.68	34.26	6.653		
4,200.00	3,913.86	4,208.08	3,995.64	27.83	25.09	-173.87	1,201.68	-150.48	233.97	198.81	35.16	6.654		
4,300.00	4,005.19	4,307.90	4,089.08	28.59	25.77	-173.87	1,236.54	-154.76	240.00	203.93	36.07	6.654		
4,400.00	4,096.53	4,407.72	4,182.52	29.35	26.45	-173.87	1,271.39	-159.05	246.03	209.06	36.97	6.655		
4,500.00	4,187.86	4,507.54	4,275.96	30.12	27.13	-173.87	1,306.25	-163.33	252.05	214.18	37.87	6.656		
4,600.00	4,279.19	4,607.36	4,369.39	30.88	27.81	-173.87	1,341.10	-167.62	258.08	219.31	38.77	6.656		
4,700.00	4,370.52	4,707.17	4,462.83	31.64	28.49	-173.87	1,375.96	-171.90	264.11	224.43	39.68	6.657		
4,800.00	4,461.86	4,806.99	4,556.27	32.40	29.16	-173.87	1,410.81	-176.19	270.14	229.56	40.58	6.657		
4,900.00	4,553.19	4,906.81	4,649.70	33.16	29.84	-173.87	1,445.67	-180.48	276.16	234.68	41.48	6.657		
5,000.00	4,644.52	5,006.63	4,743.14	33.93	30.52	-173.87	1,480.52	-184.76	282.19	239.81	42.38	6.658		
5,100.00	4,735.86	5,106.45	4,836.58	34.69	31.20	-173.87	1,515.38	-189.05	288.22	244.93	43.29	6.658		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,827.19	5,206.27	4,930.01	35.45	31.88	-173.87	1,550.23	-193.33	294.24	250.05	44.19	6.658		
5,300.00	4,918.52	5,306.08	5,023.45	36.21	32.56	-173.87	1,585.09	-197.62	300.27	255.18	45.09	6.659		
5,400.00	5,009.85	5,405.90	5,116.89	36.98	33.24	-173.87	1,619.94	-201.90	306.30	260.30	46.00	6.659		
5,500.00	5,101.19	5,505.72	5,210.32	37.74	33.92	-173.87	1,654.80	-206.19	312.33	265.42	46.90	6.659		
5,600.00	5,192.52	5,605.54	5,303.76	38.50	34.60	-173.86	1,689.65	-210.47	318.35	270.55	47.81	6.659		
5,700.00	5,283.85	5,705.36	5,397.20	39.26	35.28	-173.86	1,724.51	-214.76	324.38	275.67	48.71	6.660		
5,800.00	5,375.18	5,805.18	5,490.63	40.03	35.96	-173.86	1,759.36	-219.04	330.41	280.79	49.61	6.660		
5,900.00	5,466.52	5,904.99	5,584.07	40.79	36.64	-173.86	1,794.22	-223.33	336.43	285.92	50.52	6.660		
6,000.00	5,557.85	6,004.81	5,677.51	41.55	37.32	-173.86	1,829.07	-227.61	342.46	291.04	51.42	6.660		
6,100.00	5,649.18	6,104.63	5,770.94	42.31	38.00	-173.86	1,863.93	-231.90	348.49	296.16	52.32	6.660		
6,200.00	5,740.51	6,204.45	5,864.38	43.08	38.68	-173.86	1,898.78	-236.18	354.52	301.29	53.23	6.660		
6,300.00	5,831.85	6,304.27	5,957.82	43.84	39.36	-173.86	1,933.64	-240.47	360.54	306.41	54.13	6.660		
6,400.00	5,923.18	6,404.08	6,051.25	44.60	40.04	-173.86	1,968.49	-244.75	366.57	311.53	55.04	6.660		
6,500.00	6,014.51	6,503.90	6,144.69	45.36	40.72	-173.86	2,003.35	-249.04	372.60	316.66	55.94	6.660		
6,600.00	6,105.85	6,603.72	6,238.13	46.13	41.40	-173.86	2,038.20	-253.32	378.63	321.78	56.85	6.661		
6,700.00	6,197.18	6,703.54	6,331.56	46.89	42.08	-173.86	2,073.06	-257.61	384.65	326.90	57.75	6.661		
6,800.00	6,288.51	6,803.36	6,425.00	47.65	42.76	-173.86	2,107.91	-261.89	390.68	332.03	58.65	6.661		
6,900.00	6,379.84	6,903.18	6,518.44	48.42	43.44	-173.86	2,142.77	-266.18	396.71	337.15	59.56	6.661		
7,000.00	6,471.18	7,002.99	6,611.87	49.18	44.13	-173.86	2,177.63	-270.46	402.73	342.27	60.46	6.661		
7,100.00	6,562.51	7,102.81	6,705.31	49.94	44.81	-173.86	2,212.48	-274.75	408.76	347.39	61.37	6.661		
7,200.00	6,653.84	7,202.63	6,798.75	50.71	45.49	-173.86	2,247.34	-279.03	414.79	352.52	62.27	6.661		
7,300.00	6,745.17	7,302.45	6,892.18	51.47	46.17	-173.86	2,282.19	-283.32	420.82	357.64	63.18	6.661		
7,400.00	6,836.51	7,402.27	6,985.62	52.23	46.85	-173.86	2,317.05	-287.60	426.84	362.76	64.08	6.661		
7,500.00	6,927.84	7,502.08	7,079.06	52.99	47.53	-173.86	2,351.90	-291.89	432.87	367.88	64.99	6.661		
7,600.00	7,019.17	7,601.90	7,172.49	53.76	48.21	-173.86	2,386.76	-296.17	438.90	373.01	65.89	6.661		
7,700.00	7,110.50	7,701.72	7,265.93	54.52	48.89	-173.86	2,421.61	-300.46	444.92	378.13	66.80	6.661		
7,800.00	7,201.84	7,801.43	7,359.24	55.28	49.57	-173.80	2,456.42	-305.23	450.95	383.24	67.71	6.660		
7,900.00	7,293.16	7,899.04	7,449.25	56.05	50.25	-169.17	2,490.06	-321.68	457.23	388.24	68.99	6.628		
8,000.00	7,383.34	7,993.16	7,532.35	56.83	50.92	-146.71	2,521.18	-352.75	464.21	393.68	70.53	6.582		
8,100.00	7,469.66	8,084.81	7,607.61	57.62	51.56	-130.24	2,549.45	-396.55	471.59	399.50	72.09	6.542		
8,200.00	7,549.48	8,174.37	7,673.90	58.39	52.17	-118.89	2,574.42	-451.20	478.98	405.44	73.54	6.513		
8,300.00	7,620.40	8,262.21	7,730.38	59.13	52.75	-111.05	2,595.78	-514.87	486.00	411.18	74.82	6.496		
8,400.00	7,680.24	8,348.68	7,776.43	59.84	53.31	-105.59	2,613.28	-585.84	492.28	416.36	75.92	6.484		
8,500.00	7,727.20	8,434.10	7,811.58	60.51	53.85	-101.85	2,626.75	-662.43	497.52	420.62	76.90	6.470		
8,600.00	7,759.84	8,518.78	7,835.52	61.13	54.37	-99.45	2,636.05	-743.04	501.46	423.63	77.83	6.443		
8,700.00	7,777.18	8,602.99	7,848.02	61.71	54.88	-98.20	2,641.10	-826.09	503.93	425.13	78.80	6.395		
8,800.00	7,780.00	8,706.36	7,850.00	62.25	55.50	-97.96	2,642.27	-916.67	504.93	424.35	80.58	6.266		
8,900.00	7,780.00	8,806.36	7,850.00	62.83	56.18	-97.95	2,642.74	-1,016.67	505.63	422.41	83.21	6.076		
9,000.00	7,780.00	8,906.36	7,850.00	63.50	56.95	-97.94	2,643.21	-1,116.67	506.32	420.23	86.10	5.881		
9,100.00	7,780.00	9,006.37	7,850.00	64.25	57.82	-97.92	2,643.68	-1,216.66	507.02	417.81	89.21	5.684		
9,200.00	7,780.00	9,106.37	7,850.00	65.08	58.79	-97.91	2,644.15	-1,316.66	507.72	415.20	92.53	5.487		
9,300.00	7,780.00	9,206.37	7,850.00	65.99	59.86	-97.90	2,644.62	-1,416.66	508.42	412.40	96.03	5.295		
9,400.00	7,780.00	9,306.37	7,850.00	67.00	61.04	-97.89	2,645.09	-1,516.65	509.12	409.43	99.69	5.107		
9,500.00	7,780.00	9,406.38	7,850.00	68.10	62.32	-97.88	2,645.56	-1,616.65	509.82	406.32	103.50	4.926		
9,600.00	7,780.00	9,506.38	7,850.00	69.29	63.69	-97.87	2,646.03	-1,716.64	510.52	403.08	107.44	4.752		
9,700.00	7,780.00	9,606.38	7,850.00	70.56	65.17	-97.86	2,646.51	-1,816.64	511.22	399.72	111.50	4.585		
9,800.00	7,780.00	9,706.38	7,850.00	71.93	66.74	-97.85	2,646.98	-1,916.64	511.91	396.25	115.66	4.426		
9,900.00	7,780.00	9,806.39	7,850.00	73.38	68.39	-97.84	2,647.45	-2,016.63	512.61	392.69	119.92	4.275		
10,000.00	7,780.00	9,906.39	7,850.00	74.91	70.12	-97.83	2,647.92	-2,116.63	513.31	389.05	124.26	4.131		
10,100.00	7,780.00	10,006.39	7,850.00	76.52	71.92	-97.82	2,648.39	-2,216.63	514.01	385.33	128.68	3.995		
10,200.00	7,780.00	10,106.39	7,850.00	78.21	73.79	-97.81	2,648.86	-2,316.62	514.71	381.55	133.16	3.865		
10,300.00	7,780.00	10,206.40	7,850.00	79.96	75.73	-97.79	2,649.33	-2,416.62	515.41	377.70	137.71	3.743		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	10,306.40	7,850.00	81.78	77.71	-97.78	2,649.80	-2,516.62	516.11	373.79	142.32	3.626		
10,500.00	7,780.00	10,406.40	7,850.00	83.66	79.75	-97.77	2,650.27	-2,616.61	516.81	369.84	146.97	3.516		
10,600.00	7,780.00	10,506.40	7,850.00	85.59	81.84	-97.76	2,650.75	-2,716.61	517.51	365.84	151.67	3.412		
10,700.00	7,780.00	10,606.41	7,850.00	87.57	83.97	-97.75	2,651.22	-2,816.60	518.21	361.79	156.41	3.313		
10,800.00	7,780.00	10,693.59	7,850.00	89.60	85.86	-97.74	2,651.69	-2,916.60	518.90	358.02	160.88	3.225		
10,900.00	7,780.00	10,806.41	7,850.00	91.67	88.34	-97.73	2,652.16	-3,016.60	519.60	353.60	166.01	3.130		
11,000.00	7,780.00	10,906.41	7,850.00	93.79	90.57	-97.72	2,652.63	-3,116.59	520.30	349.45	170.85	3.045		
11,100.00	7,780.00	11,006.42	7,850.00	95.94	92.83	-97.71	2,653.10	-3,216.59	521.00	345.27	175.73	2.965		
11,200.00	7,780.00	11,106.42	7,850.00	98.12	95.12	-97.70	2,653.57	-3,316.59	521.70	341.07	180.63	2.888		
11,300.00	7,780.00	11,206.42	7,850.00	100.33	97.44	-97.69	2,654.04	-3,416.58	522.40	336.84	185.56	2.815		
11,400.00	7,780.00	11,306.42	7,850.00	102.57	99.77	-97.68	2,654.51	-3,516.58	523.10	332.59	190.51	2.746		
11,500.00	7,780.00	11,406.43	7,850.00	104.84	102.13	-97.67	2,654.99	-3,616.58	523.80	328.31	195.48	2.680		
11,600.00	7,780.00	11,506.43	7,850.00	107.13	104.51	-97.66	2,655.46	-3,716.57	524.50	324.02	200.47	2.616		
11,700.00	7,780.00	11,606.43	7,850.00	109.44	106.90	-97.65	2,655.93	-3,816.57	525.20	319.71	205.48	2.556		
11,800.00	7,780.00	11,706.43	7,850.00	111.78	109.31	-97.64	2,656.40	-3,916.57	525.90	315.38	210.51	2.498		
11,900.00	7,780.00	11,806.44	7,850.00	114.13	111.73	-97.63	2,656.87	-4,016.56	526.59	311.04	215.55	2.443		
12,000.00	7,780.00	11,906.44	7,850.00	116.50	114.17	-97.62	2,657.34	-4,116.56	527.29	306.68	220.61	2.390		
12,100.00	7,780.00	12,006.44	7,850.00	118.89	116.62	-97.61	2,657.81	-4,216.55	527.99	302.31	225.68	2.340		
12,200.00	7,780.00	12,106.44	7,850.00	121.29	119.08	-97.60	2,658.28	-4,316.55	528.69	297.93	230.77	2.291		
12,300.00	7,780.00	12,206.45	7,850.00	123.71	121.55	-97.59	2,658.75	-4,416.55	529.39	293.53	235.86	2.244		
12,400.00	7,780.00	12,306.45	7,850.00	126.14	124.04	-97.58	2,659.22	-4,516.54	530.09	289.12	240.97	2.200		
12,500.00	7,780.00	12,406.45	7,850.00	128.58	126.53	-97.57	2,659.70	-4,616.54	530.79	284.70	246.09	2.157		
12,600.00	7,780.00	12,506.45	7,850.00	131.03	129.03	-97.56	2,660.17	-4,716.54	531.49	280.27	251.22	2.116		
12,700.00	7,780.00	12,606.46	7,850.00	133.49	131.54	-97.55	2,660.64	-4,816.53	532.19	275.84	256.35	2.076		
12,800.00	7,780.00	12,706.46	7,850.00	135.97	134.06	-97.54	2,661.11	-4,916.53	532.89	271.39	261.50	2.038		
12,900.00	7,780.00	12,806.46	7,850.00	138.45	136.59	-97.53	2,661.58	-5,016.53	533.59	266.93	266.65	2.001		
13,000.00	7,780.00	12,906.46	7,850.00	140.94	139.12	-97.52	2,662.05	-5,116.52	534.29	262.47	271.82	1.966		
13,100.00	7,780.00	13,006.47	7,850.00	143.44	141.66	-97.51	2,662.52	-5,216.52	534.99	258.00	276.99	1.931		
13,200.00	7,780.00	13,106.47	7,850.00	145.95	144.20	-97.50	2,662.99	-5,316.51	535.69	253.52	282.16	1.898		
13,300.00	7,780.00	13,193.53	7,850.00	148.47	146.42	-97.49	2,663.46	-5,416.51	536.38	249.37	287.01	1.869		
13,400.00	7,780.00	13,306.47	7,850.00	150.99	149.31	-97.48	2,663.94	-5,516.51	537.08	244.55	292.54	1.836		
13,500.00	7,780.00	13,406.48	7,850.00	153.52	151.87	-97.47	2,664.41	-5,616.50	537.78	240.05	297.73	1.806		
13,600.00	7,780.00	13,506.48	7,850.00	156.06	154.44	-97.46	2,664.88	-5,716.50	538.48	235.55	302.93	1.778		
13,700.00	7,780.00	13,606.48	7,850.00	158.60	157.01	-97.45	2,665.35	-5,816.50	539.18	231.04	308.14	1.750		
13,800.00	7,780.00	13,706.48	7,850.00	161.14	159.59	-97.44	2,665.82	-5,916.49	539.88	226.53	313.35	1.723		
13,900.00	7,780.00	13,806.49	7,850.00	163.70	162.17	-97.43	2,666.29	-6,016.49	540.58	222.01	318.57	1.697		
14,000.00	7,780.00	13,906.49	7,850.00	166.25	164.75	-97.42	2,666.76	-6,116.49	541.28	217.49	323.79	1.672		
14,100.00	7,780.00	14,006.49	7,850.00	168.81	167.34	-97.41	2,667.23	-6,216.48	541.98	212.96	329.02	1.647		
14,200.00	7,780.00	14,106.49	7,850.00	171.38	169.93	-97.40	2,667.70	-6,316.48	542.68	208.43	334.25	1.624		
14,300.00	7,780.00	14,206.50	7,850.00	173.95	172.52	-97.39	2,668.17	-6,416.48	543.38	203.90	339.48	1.601		
14,400.00	7,780.00	14,306.50	7,850.00	176.53	175.12	-97.38	2,668.65	-6,516.47	544.08	199.36	344.72	1.578		
14,500.00	7,780.00	14,406.50	7,850.00	179.10	177.72	-97.37	2,669.12	-6,616.47	544.78	194.82	349.96	1.557		
14,600.00	7,780.00	14,506.50	7,850.00	181.69	180.32	-97.36	2,669.59	-6,716.46	545.48	190.27	355.21	1.536		
14,700.00	7,780.00	14,606.51	7,850.00	184.27	182.93	-97.35	2,670.06	-6,816.46	546.18	185.72	360.46	1.515		
14,800.00	7,780.00	14,706.51	7,850.00	186.86	185.54	-97.34	2,670.53	-6,916.46	546.88	181.17	365.71	1.495 Level 3		
14,900.00	7,780.00	14,806.51	7,850.00	189.45	188.15	-97.33	2,671.00	-7,016.45	547.58	176.61	370.97	1.476 Level 3		
15,000.00	7,780.00	14,906.51	7,850.00	192.05	190.76	-97.32	2,671.47	-7,116.45	548.28	172.05	376.22	1.457 Level 3		
15,100.00	7,780.00	15,006.52	7,850.00	194.65	193.38	-97.32	2,671.94	-7,216.45	548.98	167.49	381.49	1.439 Level 3		
15,200.00	7,780.00	15,106.52	7,850.00	197.25	196.00	-97.31	2,672.41	-7,316.44	549.68	162.93	386.75	1.421 Level 3		
15,300.00	7,780.00	15,206.52	7,850.00	199.85	198.62	-97.30	2,672.89	-7,416.44	550.38	158.36	392.02	1.404 Level 3		
15,400.00	7,780.00	15,306.52	7,850.00	202.46	201.24	-97.29	2,673.36	-7,516.44	551.08	153.79	397.29	1.387 Level 3		
15,500.00	7,780.00	15,406.53	7,850.00	205.07	203.87	-97.28	2,673.83	-7,616.43	551.78	149.22	402.56	1.371 Level 3		

CC - Min centre to center distance or convergent 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 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<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
<b>Survey Program:</b> 0-MWD OWSG												<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,600.00	7,780.00	15,506.53	7,850.00	207.68	206.49	-97.27	2,674.30	-7,716.43	552.48	144.64	407.83	1.355 Level 3	
15,700.00	7,780.00	15,606.53	7,850.00	210.29	209.12	-97.26	2,674.77	-7,816.42	553.18	140.06	413.11	1.339 Level 3	
15,800.00	7,780.00	15,706.53	7,850.00	212.91	211.75	-97.25	2,675.24	-7,916.42	553.87	135.49	418.39	1.324 Level 3	
15,900.00	7,780.00	15,806.54	7,850.00	215.53	214.38	-97.24	2,675.71	-8,016.42	554.57	130.90	423.67	1.309 Level 3	
16,000.00	7,780.00	15,906.54	7,850.00	218.15	217.02	-97.23	2,676.18	-8,116.41	555.27	126.32	428.95	1.294 Level 3	
16,100.00	7,780.00	16,006.54	7,850.00	220.77	219.65	-97.22	2,676.65	-8,216.41	555.97	121.73	434.24	1.280 Level 3	
16,200.00	7,780.00	16,106.54	7,850.00	223.39	222.29	-97.21	2,677.12	-8,316.41	556.67	117.15	439.53	1.267 Level 3	
16,300.00	7,780.00	16,206.55	7,850.00	226.02	224.93	-97.20	2,677.60	-8,416.40	557.37	112.56	444.82	1.253 Level 3	
16,400.00	7,780.00	16,306.55	7,850.00	228.65	227.57	-97.20	2,678.07	-8,516.40	558.07	107.97	450.11	1.240 Level 2	
16,500.00	7,780.00	16,406.55	7,850.00	231.28	230.21	-97.19	2,678.54	-8,616.40	558.77	103.37	455.40	1.227 Level 2	
16,600.00	7,780.00	16,506.55	7,850.00	233.91	232.85	-97.18	2,679.01	-8,716.39	559.47	98.78	460.70	1.214 Level 2	
16,700.00	7,780.00	16,606.56	7,850.00	236.54	235.49	-97.17	2,679.48	-8,816.39	560.17	94.18	465.99	1.202 Level 2	
16,800.00	7,780.00	16,706.56	7,850.00	239.17	238.14	-97.16	2,679.95	-8,916.39	560.87	89.58	471.29	1.190 Level 2	
16,900.00	7,780.00	16,806.56	7,850.00	241.81	240.78	-97.15	2,680.42	-9,016.38	561.57	84.99	476.59	1.178 Level 2	
17,000.00	7,780.00	16,906.56	7,850.00	244.44	243.43	-97.14	2,680.89	-9,116.38	562.27	80.38	481.89	1.167 Level 2	
17,100.00	7,780.00	17,006.57	7,850.00	247.08	246.08	-97.13	2,681.36	-9,216.37	562.97	75.78	487.19	1.156 Level 2	
17,200.00	7,780.00	17,106.57	7,850.00	249.72	248.73	-97.12	2,681.84	-9,316.37	563.67	71.18	492.50	1.145 Level 2	
17,300.00	7,780.00	17,206.57	7,850.00	252.36	251.38	-97.11	2,682.31	-9,416.37	564.37	66.57	497.80	1.134 Level 2	
17,400.00	7,780.00	17,306.57	7,850.00	255.00	254.03	-97.11	2,682.78	-9,516.36	565.07	61.97	503.11	1.123 Level 2	
17,500.00	7,780.00	17,406.58	7,850.00	257.65	256.68	-97.10	2,683.25	-9,616.36	565.77	57.36	508.41	1.113 Level 2	
17,600.00	7,780.00	17,506.58	7,850.00	260.29	259.33	-97.09	2,683.72	-9,716.36	566.47	52.75	513.72	1.103 Level 2	
17,700.00	7,780.00	17,606.58	7,850.00	262.94	261.99	-97.08	2,684.19	-9,816.35	567.17	48.14	519.03	1.093 Level 2	
17,800.00	7,780.00	17,706.58	7,850.00	265.58	264.64	-97.07	2,684.66	-9,916.35	567.87	43.53	524.35	1.083 Level 2	
17,900.00	7,780.00	17,806.59	7,850.00	268.23	267.30	-97.06	2,685.13	-10,016.35	568.57	38.92	529.66	1.073 Level 2	
18,000.00	7,780.00	17,906.59	7,850.00	270.88	269.95	-97.05	2,685.60	-10,116.34	569.27	34.30	534.97	1.064 Level 2	
18,100.00	7,780.00	17,993.41	7,850.00	273.53	272.26	-97.04	2,686.08	-10,216.34	569.97	30.04	539.94	1.056 Level 2	
18,200.00	7,780.00	18,106.59	7,850.00	276.18	275.27	-97.04	2,686.55	-10,316.34	570.67	25.07	545.60	1.046 Level 2	
18,300.00	7,780.00	18,206.60	7,850.00	278.83	277.92	-97.03	2,687.02	-10,416.33	571.37	20.45	550.92	1.037 Level 2	
18,400.00	7,780.00	18,306.60	7,850.00	281.48	280.58	-97.02	2,687.49	-10,516.33	572.07	15.84	556.24	1.028 Level 2	
18,500.00	7,780.00	18,406.60	7,850.00	284.13	283.24	-97.01	2,687.96	-10,616.32	572.77	11.22	561.56	1.020 Level 2	
18,600.00	7,780.00	18,493.40	7,850.00	286.79	285.55	-97.00	2,688.43	-10,716.32	573.47	6.95	566.53	1.012 Level 2	
18,674.95	7,780.00	18,568.35	7,850.00	288.81	287.55	-96.99	2,688.78	-10,791.27	574.00	3.50	570.50	1.006 Level 2, ES, SF	

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 2-T4S-R65W - PROPERTY RESERVE 4-65 3-4 3BH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.20	0.20	0.00	0.00	-179.59	-39.71	-0.28	39.71					
100.00	100.00	100.20	100.20	0.13	0.14	-179.59	-39.71	-0.28	39.71	39.44	0.27	147.295 CC, ES		
200.00	199.98	200.18	200.18	0.49	0.49	-173.90	-39.71	-0.28	41.44	40.45	0.99	41.876		
300.00	299.84	301.38	301.36	0.86	0.86	-173.35	-38.21	-1.27	45.17	43.46	1.72	26.338		
400.00	399.45	402.64	402.47	1.23	1.23	-171.03	-33.73	-4.23	49.48	47.04	2.44	20.256		
500.00	498.70	502.84	502.35	1.63	1.59	-168.09	-27.10	-8.60	55.23	52.05	3.18	17.376		
600.00	597.47	602.40	601.59	2.04	1.97	-166.37	-20.39	-13.03	64.36	60.44	3.92	16.408		
700.00	695.62	701.60	700.47	2.49	2.34	-165.72	-13.70	-17.45	76.89	72.22	4.67	16.454		
800.00	793.06	800.33	798.87	2.97	2.71	-165.77	-7.05	-21.84	92.77	87.34	5.43	17.092		
900.00	889.64	901.54	896.68	3.49	3.09	-166.21	-0.43	-26.20	111.99	105.79	6.20	18.069		
1,000.00	985.27	1,004.14	993.77	4.05	3.48	-166.83	6.13	-30.54	134.54	127.56	6.98	19.280		
1,100.00	1,079.82	1,107.56	1,090.02	4.65	3.88	-167.52	12.64	-34.83	160.40	152.64	7.77	20.654		
1,200.00	1,173.17	1,188.05	1,185.33	5.29	4.18	-168.20	19.08	-39.09	189.58	181.10	8.47	22.371		
1,300.00	1,265.21	1,282.60	1,279.56	5.99	4.54	-168.84	25.45	-43.29	222.03	212.79	9.24	24.031		
1,400.00	1,356.55	1,376.55	1,373.21	6.71	4.90	-169.49	31.79	-47.47	256.19	246.18	10.00	25.616		
1,500.00	1,447.88	1,470.50	1,466.85	7.44	5.25	-169.99	38.12	-51.65	290.36	279.60	10.76	26.983		
1,600.00	1,539.21	1,564.45	1,560.50	8.17	5.61	-170.39	44.45	-55.83	324.55	313.03	11.52	28.162		
1,700.00	1,630.55	1,658.40	1,654.14	8.91	5.97	-170.71	50.78	-60.01	358.75	346.46	12.29	29.188		
1,800.00	1,721.88	1,752.36	1,747.79	9.65	6.32	-170.98	57.11	-64.19	392.97	379.91	13.06	30.089		
1,900.00	1,813.21	1,846.31	1,841.44	10.40	6.68	-171.20	63.44	-68.37	427.18	413.35	13.83	30.885		
2,000.00	1,904.54	1,940.26	1,935.08	11.15	7.04	-171.39	69.77	-72.55	461.40	446.80	14.60	31.594		
2,100.00	1,995.88	2,034.21	2,028.73	11.90	7.40	-171.55	76.11	-76.73	495.63	480.25	15.38	32.229		
2,200.00	2,087.21	2,128.16	2,122.37	12.65	7.75	-171.69	82.44	-80.91	529.86	513.70	16.15	32.801		
2,300.00	2,178.54	2,222.12	2,216.02	13.41	8.11	-171.82	88.77	-85.09	564.09	547.16	16.93	33.318		
2,400.00	2,269.87	2,316.07	2,309.66	14.16	8.47	-171.93	95.10	-89.27	598.32	580.61	17.71	33.788		
2,500.00	2,361.21	2,410.02	2,403.31	14.92	8.83	-172.03	101.43	-93.45	632.56	614.07	18.49	34.218		
2,600.00	2,452.54	2,503.97	2,496.95	15.67	9.18	-172.12	107.76	-97.63	666.79	647.53	19.27	34.611		
2,700.00	2,543.87	2,602.08	2,590.60	16.43	9.56	-172.20	114.10	-101.81	701.03	680.97	20.06	34.946		
2,800.00	2,635.20	2,708.12	2,684.24	17.19	9.96	-172.27	120.43	-105.99	735.27	714.38	20.89	35.205		
2,900.00	2,726.54	2,785.83	2,777.89	17.95	10.26	-172.34	126.76	-110.17	769.51	747.90	21.61	35.615		
3,000.00	2,817.87	2,879.78	2,871.53	18.71	10.61	-172.40	133.09	-114.35	803.75	781.36	22.39	35.902		
3,100.00	2,909.20	2,973.73	2,965.18	19.47	10.97	-172.45	139.42	-118.53	837.99	814.82	23.17	36.168		
3,200.00	3,000.54	3,067.68	3,058.82	20.22	11.33	-172.50	145.75	-122.70	872.23	848.28	23.95	36.417		
3,300.00	3,091.87	3,161.64	3,152.47	20.98	11.69	-172.55	152.09	-126.88	906.48	881.74	24.73	36.649		
3,400.00	3,183.20	3,255.59	3,246.11	21.74	12.04	-172.59	158.42	-131.06	940.72	915.20	25.52	36.867		
3,500.00	3,274.53	3,349.54	3,339.76	22.50	12.40	-172.64	164.75	-135.24	974.96	948.66	26.30	37.071		
3,600.00	3,365.87	3,443.49	3,433.40	23.27	12.76	-172.67	171.08	-139.42	1,009.21	982.12	27.08	37.263		
3,700.00	3,457.20	3,537.44	3,527.05	24.03	13.12	-172.71	177.41	-143.60	1,043.45	1,015.58	27.87	37.444		
3,800.00	3,548.53	3,631.40	3,620.69	24.79	13.47	-172.74	183.74	-147.78	1,077.69	1,049.04	28.65	37.615		
3,900.00	3,639.86	3,725.35	3,714.34	25.55	13.83	-172.77	190.08	-151.96	1,111.94	1,082.51	29.43	37.776		
4,000.00	3,731.20	3,819.30	3,807.98	26.31	14.19	-172.80	196.41	-156.14	1,146.19	1,115.97	30.22	37.929		
4,100.00	3,822.53	3,913.25	3,901.63	27.07	14.55	-172.83	202.74	-160.32	1,180.43	1,149.43	31.00	38.074		
4,200.00	3,913.86	4,007.20	3,995.27	27.83	14.90	-172.86	209.07	-164.50	1,214.68	1,182.89	31.79	38.211		
4,300.00	4,005.19	4,101.16	4,088.92	28.59	15.26	-172.88	215.40	-168.68	1,248.92	1,216.35	32.57	38.342		
4,400.00	4,096.53	4,204.89	4,182.56	29.35	15.66	-172.90	221.73	-172.86	1,283.17	1,249.77	33.39	38.424		
4,500.00	4,187.86	4,289.06	4,276.21	30.12	15.98	-172.93	228.07	-177.04	1,317.41	1,283.27	34.14	38.584		
4,600.00	4,279.19	4,383.01	4,369.85	30.88	16.33	-172.95	234.40	-181.22	1,351.66	1,316.73	34.93	38.697		
4,700.00	4,370.52	4,476.96	4,463.50	31.64	16.69	-172.97	240.73	-185.40	1,385.91	1,350.19	35.72	38.804		
4,800.00	4,461.86	4,570.91	4,557.15	32.40	17.05	-172.99	247.06	-189.58	1,420.15	1,383.65	36.50	38.907		
4,900.00	4,553.19	4,664.87	4,650.79	33.16	17.41	-173.01	253.39	-193.76	1,454.40	1,417.11	37.29	39.005		
5,000.00	4,644.52	4,758.82	4,744.44	33.93	17.76	-173.02	259.72	-197.94	1,488.65	1,450.57	38.07	39.100		
5,100.00	4,735.86	4,852.77	4,838.08	34.69	18.12	-173.04	266.05	-202.12	1,522.89	1,484.03	38.86	39.190		

CC - Min centre to center distance or convergent 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 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 2-T4S-R65W - PROPERTY RESERVE 4-65 3-4 3BH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	4,827.19	4,946.72	4,931.73	35.45	18.48	-173.05	272.39	-206.30	1,557.14	1,517.50	39.65	39.276		
5,300.00	4,918.52	5,040.67	5,025.37	36.21	18.84	-173.07	278.72	-210.47	1,591.39	1,550.96	40.43	39.359		
5,400.00	5,009.85	5,134.63	5,119.02	36.98	19.20	-173.08	285.05	-214.65	1,625.64	1,584.42	41.22	39.439		
5,500.00	5,101.19	5,228.58	5,212.66	37.74	19.55	-173.10	291.38	-218.83	1,659.88	1,617.88	42.01	39.515		
5,600.00	5,192.52	5,322.53	5,306.31	38.50	19.91	-173.11	297.71	-223.01	1,694.13	1,651.34	42.79	39.589		
5,700.00	5,283.85	5,416.48	5,399.95	39.26	20.27	-173.12	304.04	-227.19	1,728.38	1,684.80	43.58	39.659		
5,800.00	5,375.18	5,510.43	5,493.60	40.03	20.63	-173.14	310.38	-231.37	1,762.63	1,718.26	44.37	39.727		
5,900.00	5,466.52	5,604.39	5,587.24	40.79	20.98	-173.15	316.71	-235.55	1,796.87	1,751.72	45.16	39.793		
6,000.00	5,557.85	5,701.66	5,680.89	41.55	21.35	-173.16	323.04	-239.73	1,831.12	1,785.17	45.96	39.846		
6,100.00	5,649.18	5,807.71	5,774.53	42.31	21.76	-173.17	329.37	-243.91	1,865.37	1,818.58	46.79	39.869		
6,200.00	5,740.51	5,886.24	5,868.18	43.08	22.06	-173.18	335.70	-248.09	1,899.62	1,852.10	47.52	39.976		
6,300.00	5,831.85	5,980.19	5,961.82	43.84	22.41	-173.19	342.03	-252.27	1,933.87	1,885.56	48.31	40.033		
6,400.00	5,923.18	6,074.15	6,055.47	44.60	22.77	-173.20	348.37	-256.45	1,968.11	1,919.02	49.09	40.088		
6,500.00	6,014.51	6,168.10	6,149.11	45.36	23.13	-173.21	354.70	-260.63	2,002.36	1,952.48	49.88	40.141		
6,600.00	6,105.85	6,262.05	6,242.76	46.13	23.49	-173.22	361.03	-264.81	2,036.61	1,985.94	50.67	40.192		
6,700.00	6,197.18	6,356.00	6,336.40	46.89	23.84	-173.23	367.36	-268.99	2,070.86	2,019.40	51.46	40.242		
6,800.00	6,288.51	6,449.95	6,430.05	47.65	24.20	-173.24	373.69	-273.17	2,105.11	2,052.86	52.25	40.290		
6,900.00	6,379.84	6,543.91	6,523.69	48.42	24.56	-173.25	380.02	-277.35	2,139.35	2,086.32	53.04	40.336		
7,000.00	6,471.18	6,637.86	6,617.34	49.18	24.92	-173.25	386.36	-281.53	2,173.60	2,119.78	53.83	40.381		
7,100.00	6,562.51	6,731.81	6,710.98	49.94	25.28	-173.26	392.69	-285.71	2,207.85	2,153.24	54.62	40.425		
7,200.00	6,653.84	6,825.76	6,804.63	50.71	25.63	-173.27	399.02	-289.89	2,242.10	2,186.69	55.41	40.467		
7,300.00	6,745.17	6,919.71	6,898.27	51.47	25.99	-173.28	405.35	-294.07	2,276.35	2,220.15	56.19	40.508		
7,400.00	6,836.51	7,013.67	6,991.92	52.23	26.35	-173.28	411.68	-298.25	2,310.60	2,253.61	56.98	40.548		
7,500.00	6,927.84	7,107.62	7,085.56	52.99	26.71	-173.29	418.01	-302.42	2,344.84	2,287.07	57.77	40.587		
7,600.00	7,019.17	7,201.57	7,179.21	53.76	27.06	-173.30	424.34	-306.60	2,379.09	2,320.53	58.56	40.624		
7,700.00	7,110.50	7,294.35	7,271.60	54.52	27.42	-173.27	430.59	-311.99	2,413.35	2,354.00	59.35	40.661		
7,800.00	7,201.84	7,383.55	7,358.93	55.28	27.80	-172.96	436.48	-328.72	2,447.74	2,387.55	60.18	40.672		
7,900.00	7,293.16	7,466.99	7,437.37	56.05	28.18	-168.86	441.76	-356.47	2,482.48	2,421.44	61.04	40.673		
8,000.00	7,383.34	7,546.10	7,507.28	56.83	28.57	-144.90	446.46	-393.07	2,517.29	2,455.38	61.91	40.664		
8,100.00	7,469.66	7,623.47	7,570.15	57.62	29.00	-127.00	450.67	-437.85	2,550.99	2,488.17	62.82	40.608		
8,200.00	7,549.48	7,700.00	7,625.87	58.39	29.46	-114.35	454.40	-490.10	2,582.47	2,518.67	63.79	40.481		
8,300.00	7,620.40	7,775.52	7,673.56	59.13	29.99	-105.40	457.57	-548.49	2,610.70	2,545.83	64.86	40.249		
8,400.00	7,680.24	7,850.00	7,712.70	59.84	30.59	-99.03	460.16	-611.75	2,634.78	2,568.74	66.04	39.894		
8,500.00	7,727.20	7,926.55	7,744.05	60.51	31.30	-94.60	462.22	-681.49	2,653.99	2,586.54	67.44	39.351		
8,600.00	7,759.84	8,002.18	7,765.65	61.13	32.10	-91.75	463.61	-753.90	2,667.73	2,598.71	69.02	38.653		
8,700.00	7,777.18	8,077.98	7,777.57	61.71	32.99	-90.27	464.35	-828.70	2,675.59	2,604.79	70.80	37.792		
8,800.00	7,780.00	8,161.24	7,780.00	62.25	34.06	-90.00	464.44	-911.88	2,677.89	2,604.97	72.92	36.726		
8,900.00	7,780.00	8,261.23	7,780.00	62.83	35.49	-90.00	464.35	-1,011.87	2,679.16	2,603.49	75.67	35.408		
9,000.00	7,780.00	8,361.22	7,780.00	63.50	37.05	-90.00	464.26	-1,111.86	2,680.42	2,601.74	78.68	34.067		
9,100.00	7,780.00	8,461.21	7,780.00	64.25	38.73	-90.00	464.17	-1,211.86	2,681.69	2,599.75	81.94	32.727		
9,200.00	7,780.00	8,561.21	7,780.00	65.08	40.53	-90.00	464.08	-1,311.85	2,682.96	2,597.54	85.42	31.410		
9,300.00	7,780.00	8,661.20	7,780.00	65.99	42.42	-90.00	463.98	-1,411.84	2,684.23	2,595.14	89.08	30.132		
9,400.00	7,780.00	8,761.19	7,780.00	67.00	44.40	-90.00	463.89	-1,511.83	2,685.49	2,592.58	92.92	28.903		
9,500.00	7,780.00	8,861.18	7,780.00	68.10	46.45	-90.00	463.80	-1,611.82	2,686.76	2,589.86	96.90	27.728		
9,600.00	7,780.00	8,961.17	7,780.00	69.29	48.56	-90.00	463.71	-1,711.82	2,688.03	2,587.02	101.01	26.612		
9,700.00	7,780.00	9,061.17	7,780.00	70.56	50.73	-90.00	463.62	-1,811.81	2,689.30	2,584.06	105.23	25.556		
9,800.00	7,780.00	9,161.16	7,780.00	71.93	52.94	-90.00	463.53	-1,911.80	2,690.56	2,581.00	109.56	24.558		
9,900.00	7,780.00	9,261.15	7,780.00	73.38	55.20	-90.00	463.44	-2,011.79	2,691.83	2,577.85	113.98	23.617		
10,000.00	7,780.00	9,361.14	7,780.00	74.91	57.50	-90.00	463.35	-2,111.78	2,693.10	2,574.62	118.48	22.731		
10,100.00	7,780.00	9,461.13	7,780.00	76.52	59.83	-90.00	463.26	-2,211.77	2,694.37	2,571.32	123.05	21.897		
10,200.00	7,780.00	9,561.13	7,780.00	78.21	62.19	-90.00	463.17	-2,311.77	2,695.63	2,567.95	127.68	21.112		
10,300.00	7,780.00	9,661.12	7,780.00	79.96	64.58	-90.00	463.07	-2,411.76	2,696.90	2,564.53	132.37	20.374		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 2-T4S-R65W - PROPERTY RESERVE 4-65 3-4 3BH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,400.00	7,780.00	9,761.11	7,780.00	81.78	66.99	-90.00	462.98	-2,511.75	2,698.17	2,561.06	137.11	19.679		
10,500.00	7,780.00	9,861.10	7,780.00	83.66	69.42	-90.00	462.89	-2,611.74	2,699.44	2,557.54	141.90	19.024		
10,600.00	7,780.00	9,961.09	7,780.00	85.59	71.87	-90.00	462.80	-2,711.73	2,700.70	2,553.98	146.73	18.406		
10,700.00	7,780.00	10,061.09	7,780.00	87.57	74.34	-90.00	462.71	-2,811.73	2,701.97	2,550.38	151.59	17.824		
10,800.00	7,780.00	10,161.08	7,780.00	89.60	76.82	-90.00	462.62	-2,911.72	2,703.24	2,546.74	156.50	17.274		
10,900.00	7,780.00	10,261.07	7,780.00	91.67	79.31	-90.00	462.53	-3,011.71	2,704.51	2,543.08	161.43	16.754		
11,000.00	7,780.00	10,361.06	7,780.00	93.79	81.82	-90.00	462.44	-3,111.70	2,705.77	2,539.39	166.39	16.262		
11,100.00	7,780.00	10,461.05	7,780.00	95.94	84.34	-90.00	462.35	-3,211.69	2,707.04	2,535.67	171.37	15.796		
11,200.00	7,780.00	10,561.05	7,780.00	98.12	86.87	-90.00	462.25	-3,311.69	2,708.31	2,531.93	176.38	15.355		
11,300.00	7,780.00	10,661.04	7,780.00	100.33	89.41	-90.00	462.16	-3,411.68	2,709.58	2,528.16	181.41	14.936		
11,400.00	7,780.00	10,761.03	7,780.00	102.57	91.96	-90.00	462.07	-3,511.67	2,710.84	2,524.38	186.47	14.538		
11,500.00	7,780.00	10,861.02	7,780.00	104.84	94.52	-90.00	461.98	-3,611.66	2,712.11	2,520.58	191.54	14.160		
11,600.00	7,780.00	10,961.01	7,780.00	107.13	97.08	-90.00	461.89	-3,711.65	2,713.38	2,516.76	196.62	13.800		
11,700.00	7,780.00	11,061.01	7,780.00	109.44	99.65	-90.00	461.80	-3,811.65	2,714.65	2,512.92	201.72	13.457		
11,800.00	7,780.00	11,161.00	7,780.00	111.78	102.23	-90.00	461.71	-3,911.64	2,715.91	2,509.07	206.84	13.130		
11,900.00	7,780.00	11,260.99	7,780.00	114.13	104.81	-90.00	461.62	-4,011.63	2,717.18	2,505.21	211.97	12.819		
12,000.00	7,780.00	11,360.98	7,780.00	116.50	107.40	-90.00	461.53	-4,111.62	2,718.45	2,501.33	217.11	12.521		
12,100.00	7,780.00	11,460.97	7,780.00	118.89	110.00	-90.00	461.44	-4,211.61	2,719.72	2,497.45	222.27	12.236		
12,200.00	7,780.00	11,560.97	7,780.00	121.29	112.59	-90.00	461.34	-4,311.61	2,720.98	2,493.55	227.43	11.964		
12,300.00	7,780.00	11,660.96	7,780.00	123.71	115.20	-90.00	461.25	-4,411.60	2,722.25	2,489.64	232.61	11.703		
12,400.00	7,780.00	11,760.95	7,780.00	126.14	117.80	-90.00	461.16	-4,511.59	2,723.52	2,485.72	237.79	11.453		
12,500.00	7,780.00	11,860.94	7,780.00	128.58	120.41	-90.00	461.07	-4,611.58	2,724.79	2,481.80	242.99	11.214		
12,600.00	7,780.00	11,960.93	7,780.00	131.03	123.03	-90.00	460.98	-4,711.57	2,726.05	2,477.86	248.19	10.984		
12,700.00	7,780.00	12,060.92	7,780.00	133.49	125.65	-90.00	460.89	-4,811.56	2,727.32	2,473.92	253.40	10.763		
12,800.00	7,780.00	12,160.92	7,780.00	135.97	128.27	-90.00	460.80	-4,911.56	2,728.59	2,469.97	258.62	10.551		
12,900.00	7,780.00	12,260.91	7,780.00	138.45	130.89	-90.00	460.71	-5,011.55	2,729.86	2,466.01	263.84	10.347		
13,000.00	7,780.00	12,360.90	7,780.00	140.94	133.52	-90.00	460.62	-5,111.54	2,731.12	2,462.05	269.07	10.150		
13,100.00	7,780.00	12,460.89	7,780.00	143.44	136.15	-90.00	460.53	-5,211.53	2,732.39	2,458.08	274.31	9.961		
13,200.00	7,780.00	12,560.88	7,780.00	145.95	138.78	-90.00	460.43	-5,311.52	2,733.66	2,454.11	279.55	9.779		
13,300.00	7,780.00	12,660.88	7,780.00	148.47	141.41	-90.00	460.34	-5,411.52	2,734.93	2,450.13	284.80	9.603		
13,400.00	7,780.00	12,760.87	7,780.00	150.99	144.05	-90.00	460.25	-5,511.51	2,736.19	2,446.14	290.05	9.433		
13,500.00	7,780.00	12,860.86	7,780.00	153.52	146.69	-90.00	460.16	-5,611.50	2,737.46	2,442.15	295.31	9.270		
13,600.00	7,780.00	12,960.85	7,780.00	156.06	149.33	-90.00	460.07	-5,711.49	2,738.73	2,438.15	300.58	9.112		
13,700.00	7,780.00	13,060.84	7,780.00	158.60	151.97	-90.00	459.98	-5,811.48	2,740.00	2,434.15	305.84	8.959		
13,800.00	7,780.00	13,160.84	7,780.00	161.14	154.61	-90.00	459.89	-5,911.48	2,741.26	2,430.15	311.11	8.811		
13,900.00	7,780.00	13,260.83	7,780.00	163.70	157.26	-90.00	459.80	-6,011.47	2,742.53	2,426.14	316.39	8.668		
14,000.00	7,780.00	13,360.82	7,780.00	166.25	159.91	-90.00	459.71	-6,111.46	2,743.80	2,422.13	321.67	8.530		
14,100.00	7,780.00	13,460.81	7,780.00	168.81	162.55	-90.00	459.62	-6,211.45	2,745.07	2,418.11	326.95	8.396		
14,200.00	7,780.00	13,560.80	7,780.00	171.38	165.20	-90.00	459.52	-6,311.44	2,746.33	2,414.10	332.24	8.266		
14,300.00	7,780.00	13,660.80	7,780.00	173.95	167.86	-90.00	459.43	-6,411.44	2,747.60	2,410.07	337.53	8.140		
14,400.00	7,780.00	13,760.79	7,780.00	176.53	170.51	-90.00	459.34	-6,511.43	2,748.87	2,406.05	342.82	8.018		
14,500.00	7,780.00	13,860.78	7,780.00	179.10	173.16	-90.00	459.25	-6,611.42	2,750.14	2,402.02	348.12	7.900		
14,600.00	7,780.00	13,960.77	7,780.00	181.69	175.82	-90.00	459.16	-6,711.41	2,751.40	2,397.99	353.41	7.785		
14,700.00	7,780.00	14,060.76	7,780.00	184.27	178.47	-90.00	459.07	-6,811.40	2,752.67	2,393.96	358.72	7.674		
14,800.00	7,780.00	14,160.76	7,780.00	186.86	181.13	-90.00	458.98	-6,911.40	2,753.94	2,389.92	364.02	7.565		
14,900.00	7,780.00	14,260.75	7,780.00	189.45	183.79	-90.00	458.89	-7,011.39	2,755.21	2,385.88	369.33	7.460		
15,000.00	7,780.00	14,360.74	7,780.00	192.05	186.45	-90.00	458.80	-7,111.38	2,756.47	2,381.84	374.63	7.358		
15,100.00	7,780.00	14,460.73	7,780.00	194.65	189.11	-90.00	458.70	-7,211.37	2,757.74	2,377.80	379.95	7.258		
15,200.00	7,780.00	14,560.72	7,780.00	197.25	191.77	-90.00	458.61	-7,311.36	2,759.01	2,373.75	385.26	7.161		
15,300.00	7,780.00	14,660.72	7,780.00	199.85	194.44	-90.00	458.52	-7,411.35	2,760.28	2,369.70	390.57	7.067		
15,400.00	7,780.00	14,760.71	7,780.00	202.46	197.10	-90.00	458.43	-7,511.35	2,761.54	2,365.65	395.89	6.976		
15,500.00	7,780.00	14,860.70	7,780.00	205.07	199.76	-90.00	458.34	-7,611.34	2,762.81	2,361.60	401.21	6.886		

CC - Min centre to center distance or convergent 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 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 2-T4S-R65W - PROPERTY RESERVE 4-65 3-4 3BH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
15,600.00	7,780.00	14,960.69	7,780.00	207.68	202.43	-90.00	458.25	-7,711.33	2,764.08	2,357.55	406.53	6.799		
15,700.00	7,780.00	15,060.68	7,780.00	210.29	205.09	-90.00	458.16	-7,811.32	2,765.35	2,353.49	411.85	6.714		
15,800.00	7,780.00	15,160.68	7,780.00	212.91	207.76	-90.00	458.07	-7,911.31	2,766.61	2,349.44	417.18	6.632		
15,900.00	7,780.00	15,260.67	7,780.00	215.53	210.43	-90.00	457.98	-8,011.31	2,767.88	2,345.38	422.50	6.551		
16,000.00	7,780.00	15,360.66	7,780.00	218.15	213.09	-90.00	457.89	-8,111.30	2,769.15	2,341.32	427.83	6.473		
16,100.00	7,780.00	15,460.65	7,780.00	220.77	215.76	-90.00	457.79	-8,211.29	2,770.42	2,337.26	433.16	6.396		
16,200.00	7,780.00	15,560.64	7,780.00	223.39	218.43	-90.00	457.70	-8,311.28	2,771.68	2,333.19	438.49	6.321		
16,300.00	7,780.00	15,660.64	7,780.00	226.02	221.10	-90.00	457.61	-8,411.27	2,772.95	2,329.13	443.82	6.248		
16,400.00	7,780.00	15,760.63	7,780.00	228.65	223.77	-90.00	457.52	-8,511.27	2,774.22	2,325.06	449.16	6.177		
16,500.00	7,780.00	15,860.62	7,780.00	231.28	226.44	-90.00	457.43	-8,611.26	2,775.49	2,321.00	454.49	6.107		
16,600.00	7,780.00	15,960.61	7,780.00	233.91	229.11	-90.00	457.34	-8,711.25	2,776.75	2,316.93	459.83	6.039		
16,700.00	7,780.00	16,060.60	7,780.00	236.54	231.78	-90.00	457.25	-8,811.24	2,778.02	2,312.86	465.17	5.972		
16,800.00	7,780.00	16,160.60	7,780.00	239.17	234.46	-90.00	457.16	-8,911.23	2,779.29	2,308.79	470.50	5.907		
16,900.00	7,780.00	16,260.59	7,780.00	241.81	237.13	-90.00	457.07	-9,011.23	2,780.56	2,304.71	475.84	5.843		
17,000.00	7,780.00	16,360.58	7,780.00	244.44	239.80	-90.00	456.98	-9,111.22	2,781.82	2,300.64	481.18	5.781		
17,100.00	7,780.00	16,460.57	7,780.00	247.08	242.48	-90.00	456.88	-9,211.21	2,783.09	2,296.57	486.53	5.720		
17,200.00	7,780.00	16,560.56	7,780.00	249.72	245.15	-90.00	456.79	-9,311.20	2,784.36	2,292.49	491.87	5.661		
17,300.00	7,780.00	16,660.56	7,780.00	252.36	247.82	-90.00	456.70	-9,411.19	2,785.63	2,288.42	497.21	5.602		
17,400.00	7,780.00	16,760.55	7,780.00	255.00	250.50	-90.00	456.61	-9,511.19	2,786.90	2,284.34	502.56	5.545		
17,500.00	7,780.00	16,860.54	7,780.00	257.65	253.17	-90.00	456.52	-9,611.18	2,788.16	2,280.26	507.90	5.490		
17,600.00	7,780.00	16,960.53	7,780.00	260.29	255.85	-90.00	456.43	-9,711.17	2,789.43	2,276.18	513.25	5.435		
17,700.00	7,780.00	17,060.52	7,780.00	262.94	258.53	-90.00	456.34	-9,811.16	2,790.70	2,272.10	518.60	5.381		
17,800.00	7,780.00	17,160.52	7,780.00	265.58	261.20	-90.00	456.25	-9,911.15	2,791.97	2,268.02	523.95	5.329		
17,900.00	7,780.00	17,260.51	7,780.00	268.23	263.88	-90.00	456.16	-10,011.15	2,793.23	2,263.94	529.29	5.277		
18,000.00	7,780.00	17,360.50	7,780.00	270.88	266.56	-90.00	456.07	-10,111.14	2,794.50	2,259.86	534.65	5.227		
18,100.00	7,780.00	17,460.49	7,780.00	273.53	269.23	-90.00	455.97	-10,211.13	2,795.77	2,255.77	540.00	5.177		
18,200.00	7,780.00	17,560.48	7,780.00	276.18	271.91	-90.00	455.88	-10,311.12	2,797.04	2,251.69	545.35	5.129		
18,300.00	7,780.00	17,660.48	7,780.00	278.83	274.59	-90.00	455.79	-10,411.11	2,798.30	2,247.60	550.70	5.081		
18,400.00	7,780.00	17,760.47	7,780.00	281.48	277.27	-90.00	455.70	-10,511.10	2,799.57	2,243.52	556.05	5.035		
18,500.00	7,780.00	17,860.46	7,780.00	284.13	279.95	-90.00	455.61	-10,611.10	2,800.84	2,239.43	561.41	4.989		
18,600.00	7,780.00	17,960.45	7,780.00	286.79	282.63	-90.00	455.52	-10,711.09	2,802.11	2,235.34	566.76	4.944		
18,674.95	7,780.00	18,035.40	7,780.00	288.81	284.63	-90.00	455.45	-10,786.03	2,803.06	2,232.29	570.76	4.911 SF		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	0.30	0.30	0.00	0.00	-179.73	-59.74	-0.28	59.74					
100.00	100.00	100.30	100.30	0.13	0.13	-179.73	-59.74	-0.28	59.74	59.47	0.27	221.873	CC, ES	
200.00	199.98	199.31	199.29	0.49	0.49	-172.52	-60.49	-1.83	62.26	61.27	0.98	63.274		
300.00	299.84	301.57	298.30	0.86	0.85	-169.58	-62.56	-6.09	69.73	68.01	1.72	40.451		
400.00	399.45	402.25	397.48	1.23	1.22	-167.45	-64.83	-10.77	80.98	78.52	2.46	32.928		
500.00	498.70	503.35	496.24	1.63	1.59	-166.33	-67.08	-15.43	95.68	92.48	3.20	29.901		
600.00	597.47	605.00	594.46	2.04	1.97	-165.91	-69.33	-20.06	113.73	109.79	3.95	28.821		
700.00	695.62	707.32	692.01	2.49	2.35	-165.93	-71.56	-24.66	135.11	130.41	4.70	28.749		
800.00	793.06	789.58	788.77	2.97	2.65	-166.22	-73.77	-29.22	159.78	154.40	5.38	29.675		
900.00	889.64	885.57	884.64	3.49	3.00	-166.64	-75.96	-33.74	187.73	181.61	6.12	30.655		
1,000.00	985.27	980.55	979.48	4.05	3.36	-167.11	-78.13	-38.22	218.95	212.09	6.86	31.895		
1,100.00	1,079.82	1,074.39	1,073.19	4.65	3.70	-167.60	-80.27	-42.64	253.41	245.80	7.61	33.317		
1,200.00	1,173.17	1,166.97	1,165.65	5.29	4.05	-168.08	-82.38	-47.00	291.07	282.73	8.35	34.873		
1,300.00	1,265.21	1,258.20	1,256.75	5.99	4.38	-168.53	-84.47	-51.29	331.91	322.82	9.09	36.528		
1,400.00	1,356.55	1,348.68	1,347.10	6.71	4.72	-169.07	-86.53	-55.55	374.38	364.56	9.82	38.123		
1,500.00	1,447.88	1,439.16	1,437.46	7.44	5.05	-169.51	-88.60	-59.81	416.87	406.32	10.55	39.510		
1,600.00	1,539.21	1,529.64	1,527.82	8.17	5.39	-169.87	-90.66	-64.07	459.38	448.09	11.29	40.705		
1,700.00	1,630.55	1,620.12	1,618.18	8.91	5.72	-170.17	-92.73	-68.33	501.90	489.87	12.02	41.746		
1,800.00	1,721.88	1,710.61	1,708.54	9.65	6.06	-170.42	-94.79	-72.60	544.43	531.66	12.76	42.658		
1,900.00	1,813.21	1,801.09	1,798.89	10.40	6.39	-170.63	-96.86	-76.86	586.96	573.46	13.50	43.465		
2,000.00	1,904.54	1,908.43	1,898.25	11.15	6.79	-170.81	-98.93	-81.12	629.50	615.19	14.31	43.991		
2,100.00	1,995.88	1,982.05	1,979.61	11.90	7.06	-170.98	-100.99	-85.38	672.05	657.06	14.99	44.825		
2,200.00	2,087.21	2,072.53	2,069.97	12.65	7.40	-171.12	-103.06	-89.64	714.60	698.86	15.74	45.403		
2,300.00	2,178.54	2,163.02	2,160.33	13.41	7.73	-171.24	-105.12	-93.90	757.16	740.67	16.49	45.925		
2,400.00	2,269.87	2,253.50	2,250.68	14.16	8.07	-171.36	-107.19	-98.16	799.71	782.48	17.24	46.400		
2,500.00	2,361.21	2,343.98	2,341.04	14.92	8.40	-171.46	-109.25	-102.42	842.27	824.29	17.98	46.833		
2,600.00	2,452.54	2,434.46	2,431.40	15.67	8.74	-171.55	-111.32	-106.68	884.83	866.10	18.73	47.230		
2,700.00	2,543.87	2,524.94	2,521.76	16.43	9.07	-171.63	-113.38	-110.94	927.40	907.91	19.49	47.595		
2,800.00	2,635.20	2,615.43	2,612.12	17.19	9.41	-171.71	-115.45	-115.20	969.96	949.72	20.24	47.931		
2,900.00	2,726.54	2,705.91	2,702.47	17.95	9.74	-171.78	-117.51	-119.46	1,012.53	991.54	20.99	48.242		
3,000.00	2,817.87	2,803.61	2,792.83	18.71	10.10	-171.84	-119.58	-123.73	1,055.09	1,033.33	21.77	48.471		
3,100.00	2,909.20	2,886.87	2,883.19	19.47	10.41	-171.90	-121.64	-127.99	1,097.66	1,075.17	22.49	48.798		
3,200.00	3,000.54	2,977.35	2,973.55	20.22	10.75	-171.96	-123.71	-132.25	1,140.23	1,116.98	23.25	49.048		
3,300.00	3,091.87	3,067.84	3,063.91	20.98	11.08	-172.01	-125.78	-136.51	1,182.80	1,158.80	24.00	49.281		
3,400.00	3,183.20	3,158.32	3,154.26	21.74	11.42	-172.05	-127.84	-140.77	1,225.37	1,200.61	24.76	49.500		
3,500.00	3,274.53	3,248.80	3,244.62	22.50	11.75	-172.10	-129.91	-145.03	1,267.94	1,242.43	25.51	49.705		
3,600.00	3,365.87	3,339.28	3,334.98	23.27	12.09	-172.14	-131.97	-149.29	1,310.51	1,284.25	26.26	49.897		
3,700.00	3,457.20	3,429.76	3,425.34	24.03	12.42	-172.18	-134.04	-153.55	1,353.08	1,326.06	27.02	50.078		
3,800.00	3,548.53	3,520.25	3,515.70	24.79	12.76	-172.21	-136.10	-157.81	1,395.66	1,367.88	27.77	50.249		
3,900.00	3,639.86	3,610.73	3,606.05	25.55	13.09	-172.25	-138.17	-162.07	1,438.23	1,409.70	28.53	50.410		
4,000.00	3,731.20	3,701.21	3,696.41	26.31	13.43	-172.28	-140.23	-166.33	1,480.80	1,451.51	29.29	50.563		
4,100.00	3,822.53	3,808.31	3,786.77	27.07	13.82	-172.31	-142.30	-170.60	1,523.37	1,493.27	30.10	50.604		
4,200.00	3,913.86	3,882.17	3,877.13	27.83	14.10	-172.34	-144.36	-174.86	1,565.95	1,535.15	30.80	50.844		
4,300.00	4,005.19	3,972.66	3,967.49	28.59	14.43	-172.37	-146.43	-179.12	1,608.52	1,576.97	31.56	50.974		
4,400.00	4,096.53	4,063.14	4,057.84	29.35	14.77	-172.39	-148.50	-183.38	1,651.10	1,618.78	32.31	51.097		
4,500.00	4,187.86	4,153.62	4,148.20	30.12	15.10	-172.42	-150.56	-187.64	1,693.67	1,660.60	33.07	51.215		
4,600.00	4,279.19	4,244.10	4,238.56	30.88	15.44	-172.44	-152.63	-191.90	1,736.25	1,702.42	33.83	51.327		
4,700.00	4,370.52	4,334.58	4,328.92	31.64	15.77	-172.46	-154.69	-196.16	1,778.82	1,744.24	34.58	51.433		
4,800.00	4,461.86	4,425.07	4,419.28	32.40	16.11	-172.48	-156.76	-200.42	1,821.40	1,786.05	35.34	51.535		
4,900.00	4,553.19	4,515.55	4,509.63	33.16	16.44	-172.50	-158.82	-204.68	1,863.97	1,827.87	36.10	51.633		
5,000.00	4,644.52	4,606.03	4,599.99	33.93	16.78	-172.52	-160.89	-208.94	1,906.55	1,869.69	36.86	51.725		
5,100.00	4,735.86	4,703.49	4,690.35	34.69	17.14	-172.54	-162.95	-213.20	1,949.12	1,911.48	37.64	51.779		

CC - Min centre to center distance or convergent 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 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,827.19	4,786.99	4,780.71	35.45	17.45	-172.56	-165.02	-217.47	1,991.70	1,953.32	38.38	51.900		
5,300.00	4,918.52	4,877.48	4,871.07	36.21	17.78	-172.57	-167.08	-221.73	2,034.28	1,995.14	39.13	51.981		
5,400.00	5,009.85	4,967.96	4,961.42	36.98	18.12	-172.59	-169.15	-225.99	2,076.85	2,036.96	39.89	52.059		
5,500.00	5,101.19	5,058.44	5,051.78	37.74	18.45	-172.61	-171.22	-230.25	2,119.43	2,078.77	40.65	52.134		
5,600.00	5,192.52	5,148.92	5,142.14	38.50	18.79	-172.62	-173.28	-234.51	2,162.00	2,120.59	41.41	52.206		
5,700.00	5,283.85	5,239.40	5,232.50	39.26	19.12	-172.64	-175.35	-238.77	2,204.58	2,162.41	42.17	52.276		
5,800.00	5,375.18	5,329.89	5,322.86	40.03	19.46	-172.65	-177.41	-243.03	2,247.16	2,204.23	42.93	52.342		
5,900.00	5,466.52	5,420.37	5,413.21	40.79	19.79	-172.66	-179.48	-247.29	2,289.73	2,246.04	43.69	52.406		
6,000.00	5,557.85	5,510.85	5,503.57	41.55	20.13	-172.68	-181.54	-251.55	2,332.31	2,287.86	44.45	52.468		
6,100.00	5,649.18	5,601.33	5,593.93	42.31	20.46	-172.69	-183.61	-255.81	2,374.89	2,329.68	45.21	52.527		
6,200.00	5,740.51	5,708.19	5,684.29	43.08	20.86	-172.70	-185.67	-260.07	2,417.47	2,371.43	46.03	52.515		
6,300.00	5,831.85	5,782.30	5,774.65	43.84	21.13	-172.71	-187.74	-264.33	2,460.04	2,413.31	46.73	52.639		
6,400.00	5,923.18	5,872.78	5,865.00	44.60	21.47	-172.72	-189.80	-268.60	2,502.62	2,455.12	47.50	52.692		
6,500.00	6,014.51	5,963.26	5,955.36	45.36	21.80	-172.73	-191.87	-272.86	2,545.20	2,496.94	48.26	52.743		
6,600.00	6,105.85	6,053.74	6,045.72	46.13	22.14	-172.74	-193.94	-277.12	2,587.77	2,538.76	49.02	52.792		
6,700.00	6,197.18	6,144.22	6,136.08	46.89	22.47	-172.75	-196.00	-281.38	2,630.35	2,580.57	49.78	52.840		
6,800.00	6,288.51	6,234.71	6,226.44	47.65	22.81	-172.76	-198.07	-285.64	2,672.93	2,622.39	50.54	52.886		
6,900.00	6,379.84	6,325.19	6,316.79	48.42	23.14	-172.77	-200.13	-289.90	2,715.51	2,664.20	51.30	52.930		
7,000.00	6,471.18	6,415.67	6,407.15	49.18	23.48	-172.78	-202.20	-294.16	2,758.09	2,706.02	52.07	52.973		
7,100.00	6,562.51	6,506.15	6,497.51	49.94	23.81	-172.79	-204.26	-298.42	2,800.66	2,747.84	52.83	53.015		
7,200.00	6,653.84	6,603.37	6,587.87	50.71	24.17	-172.80	-206.33	-302.68	2,843.24	2,789.63	53.62	53.030		
7,300.00	6,745.17	6,687.12	6,678.23	51.47	24.48	-172.81	-208.39	-306.94	2,885.82	2,831.47	54.35	53.094		
7,400.00	6,836.51	6,777.60	6,768.58	52.23	24.82	-172.82	-210.46	-311.20	2,928.40	2,873.28	55.12	53.131		
7,500.00	6,927.84	6,868.08	6,858.94	52.99	25.15	-172.82	-212.52	-315.47	2,970.97	2,915.09	55.88	53.167		
7,600.00	7,019.17	6,958.56	6,949.30	53.76	25.49	-172.83	-214.59	-319.73	3,013.55	2,956.91	56.64	53.203		
7,700.00	7,110.50	7,049.04	7,039.66	54.52	25.82	-172.84	-216.66	-323.99	3,056.13	2,998.72	57.41	53.236		
7,800.00	7,201.84	7,139.52	7,130.02	55.28	26.16	-172.85	-218.72	-328.25	3,098.71	3,040.54	58.17	53.269		
7,900.00	7,293.16	7,230.01	7,220.37	56.05	26.49	-169.21	-220.79	-332.51	3,141.28	3,082.35	58.93	53.301		
8,000.00	7,383.34	7,319.67	7,309.91	56.83	26.82	-145.14	-222.83	-336.76	3,183.38	3,123.68	59.70	53.322		
8,100.00	7,469.66	7,407.27	7,396.63	57.62	27.17	-127.25	-224.82	-348.42	3,223.91	3,163.41	60.50	53.288		
8,200.00	7,549.48	7,498.84	7,484.25	58.39	27.58	-114.65	-226.84	-374.56	3,261.78	3,200.37	61.41	53.114		
8,300.00	7,620.40	7,595.73	7,571.19	59.13	28.06	-105.78	-228.86	-417.04	3,295.88	3,233.41	62.47	52.757		
8,400.00	7,680.24	7,699.31	7,654.79	59.84	28.65	-99.55	-230.83	-477.93	3,325.18	3,261.43	63.75	52.157		
8,500.00	7,727.20	7,810.67	7,730.87	60.51	29.41	-95.30	-232.63	-558.99	3,348.77	3,283.41	65.36	51.238		
8,600.00	7,759.84	7,930.29	7,793.50	61.13	30.43	-92.63	-234.15	-660.63	3,365.85	3,298.45	67.40	49.940		
8,700.00	7,777.18	8,057.54	7,835.46	61.71	31.76	-91.33	-235.21	-780.49	3,375.79	3,305.84	69.95	48.260		
8,800.00	7,780.00	8,190.40	7,849.99	62.25	33.42	-91.18	-235.66	-912.25	3,378.71	3,305.73	72.97	46.302		
8,900.00	7,780.00	8,289.50	7,850.00	62.83	34.83	-91.18	-235.75	-1,011.35	3,379.97	3,304.29	75.68	44.664		
9,000.00	7,780.00	8,389.49	7,850.00	63.50	36.39	-91.18	-235.83	-1,111.34	3,381.23	3,302.57	78.67	42.982		
9,100.00	7,780.00	8,489.49	7,850.00	64.25	38.08	-91.18	-235.92	-1,211.33	3,382.50	3,300.60	81.90	41.300		
9,200.00	7,780.00	8,589.48	7,850.00	65.08	39.88	-91.18	-236.01	-1,311.33	3,383.76	3,298.41	85.35	39.643		
9,300.00	7,780.00	8,689.47	7,850.00	65.99	41.77	-91.18	-236.10	-1,411.32	3,385.03	3,296.03	89.00	38.034		
9,400.00	7,780.00	8,789.46	7,850.00	67.00	43.75	-91.18	-236.19	-1,511.31	3,386.29	3,293.47	92.82	36.484		
9,500.00	7,780.00	8,889.45	7,850.00	68.10	45.80	-91.18	-236.27	-1,611.30	3,387.55	3,290.77	96.78	35.003		
9,600.00	7,780.00	8,989.45	7,850.00	69.29	47.92	-91.18	-236.36	-1,711.29	3,388.82	3,287.94	100.88	33.594		
9,700.00	7,780.00	9,089.44	7,850.00	70.56	50.09	-91.18	-236.45	-1,811.29	3,390.08	3,284.99	105.09	32.259		
9,800.00	7,780.00	9,189.43	7,850.00	71.93	52.31	-91.18	-236.54	-1,911.28	3,391.34	3,281.94	109.40	30.998		
9,900.00	7,780.00	9,289.42	7,850.00	73.38	54.58	-91.18	-236.62	-2,011.27	3,392.61	3,278.80	113.81	29.809		
10,000.00	7,780.00	9,389.41	7,850.00	74.91	56.88	-91.18	-236.71	-2,111.26	3,393.87	3,275.57	118.30	28.689		
10,100.00	7,780.00	9,489.41	7,850.00	76.52	59.21	-91.18	-236.80	-2,211.25	3,395.14	3,272.28	122.86	27.635		
10,200.00	7,780.00	9,589.40	7,850.00	78.21	61.58	-91.18	-236.89	-2,311.25	3,396.40	3,268.92	127.48	26.642		
10,300.00	7,780.00	9,689.39	7,850.00	79.96	63.97	-91.18	-236.97	-2,411.24	3,397.66	3,265.50	132.16	25.708		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	9,789.38	7,850.00	81.78	66.38	-91.18	-237.06	-2,511.23	3,398.93	3,262.03	136.90	24.829		
10,500.00	7,780.00	9,889.37	7,850.00	83.66	68.81	-91.17	-237.15	-2,611.22	3,400.19	3,258.52	141.68	24.000		
10,600.00	7,780.00	9,989.37	7,850.00	85.59	71.27	-91.17	-237.24	-2,711.21	3,401.46	3,254.96	146.50	23.218		
10,700.00	7,780.00	10,089.36	7,850.00	87.57	73.74	-91.17	-237.32	-2,811.21	3,402.72	3,251.36	151.36	22.481		
10,800.00	7,780.00	10,189.35	7,850.00	89.60	76.22	-91.17	-237.41	-2,911.20	3,403.98	3,247.73	156.25	21.785		
10,900.00	7,780.00	10,289.34	7,850.00	91.67	78.72	-91.17	-237.50	-3,011.19	3,405.25	3,244.07	161.18	21.127		
11,000.00	7,780.00	10,389.33	7,850.00	93.79	81.23	-91.17	-237.59	-3,111.18	3,406.51	3,240.38	166.13	20.505		
11,100.00	7,780.00	10,489.33	7,850.00	95.94	83.75	-91.17	-237.67	-3,211.17	3,407.77	3,236.66	171.11	19.915		
11,200.00	7,780.00	10,589.32	7,850.00	98.12	86.29	-91.17	-237.76	-3,311.17	3,409.04	3,232.92	176.12	19.356		
11,300.00	7,780.00	10,689.31	7,850.00	100.33	88.83	-91.17	-237.85	-3,411.16	3,410.30	3,229.16	181.15	18.826		
11,400.00	7,780.00	10,789.30	7,850.00	102.57	91.38	-91.17	-237.94	-3,511.15	3,411.57	3,225.37	186.19	18.323		
11,500.00	7,780.00	10,889.29	7,850.00	104.84	93.94	-91.17	-238.02	-3,611.14	3,412.83	3,221.57	191.26	17.844		
11,600.00	7,780.00	10,989.29	7,850.00	107.13	96.50	-91.17	-238.11	-3,711.13	3,414.09	3,217.75	196.34	17.389		
11,700.00	7,780.00	11,089.28	7,850.00	109.44	99.08	-91.17	-238.20	-3,811.13	3,415.36	3,213.92	201.44	16.955		
11,800.00	7,780.00	11,189.27	7,850.00	111.78	101.66	-91.17	-238.29	-3,911.12	3,416.62	3,210.07	206.55	16.541		
11,900.00	7,780.00	11,289.26	7,850.00	114.13	104.24	-91.17	-238.37	-4,011.11	3,417.88	3,206.21	211.68	16.147		
12,000.00	7,780.00	11,389.26	7,850.00	116.50	106.83	-91.17	-238.46	-4,111.10	3,419.15	3,202.33	216.82	15.770		
12,100.00	7,780.00	11,489.25	7,850.00	118.89	109.43	-91.17	-238.55	-4,211.09	3,420.41	3,198.44	221.97	15.409		
12,200.00	7,780.00	11,589.24	7,850.00	121.29	112.03	-91.17	-238.64	-4,311.09	3,421.68	3,194.54	227.13	15.065		
12,300.00	7,780.00	11,689.23	7,850.00	123.71	114.63	-91.17	-238.72	-4,411.08	3,422.94	3,190.64	232.30	14.735		
12,400.00	7,780.00	11,789.22	7,850.00	126.14	117.24	-91.17	-238.81	-4,511.07	3,424.20	3,186.72	237.49	14.419		
12,500.00	7,780.00	11,889.22	7,850.00	128.58	119.85	-91.17	-238.90	-4,611.06	3,425.47	3,182.79	242.68	14.115		
12,600.00	7,780.00	11,989.21	7,850.00	131.03	122.47	-91.17	-238.99	-4,711.05	3,426.73	3,178.85	247.88	13.824		
12,700.00	7,780.00	12,089.20	7,850.00	133.49	125.09	-91.17	-239.08	-4,811.05	3,427.99	3,174.91	253.08	13.545		
12,800.00	7,780.00	12,189.19	7,850.00	135.97	127.71	-91.16	-239.16	-4,911.04	3,429.26	3,170.96	258.30	13.276		
12,900.00	7,780.00	12,289.18	7,850.00	138.45	130.33	-91.16	-239.25	-5,011.03	3,430.52	3,167.00	263.52	13.018		
13,000.00	7,780.00	12,389.18	7,850.00	140.94	132.96	-91.16	-239.34	-5,111.02	3,431.79	3,163.04	268.75	12.769		
13,100.00	7,780.00	12,489.17	7,850.00	143.44	135.59	-91.16	-239.43	-5,211.01	3,433.05	3,159.07	273.98	12.530		
13,200.00	7,780.00	12,589.16	7,850.00	145.95	138.22	-91.16	-239.51	-5,311.01	3,434.31	3,155.09	279.22	12.299		
13,300.00	7,780.00	12,689.15	7,850.00	148.47	140.86	-91.16	-239.60	-5,411.00	3,435.58	3,151.11	284.47	12.077		
13,400.00	7,780.00	12,789.14	7,850.00	150.99	143.50	-91.16	-239.69	-5,510.99	3,436.84	3,147.12	289.72	11.863		
13,500.00	7,780.00	12,889.14	7,850.00	153.52	146.14	-91.16	-239.78	-5,610.98	3,438.11	3,143.13	294.98	11.655		
13,600.00	7,780.00	12,989.13	7,850.00	156.06	148.78	-91.16	-239.86	-5,710.97	3,439.37	3,139.13	300.24	11.455		
13,700.00	7,780.00	13,089.12	7,850.00	158.60	151.42	-91.16	-239.95	-5,810.97	3,440.63	3,135.13	305.50	11.262		
13,800.00	7,780.00	13,189.11	7,850.00	161.14	154.07	-91.16	-240.04	-5,910.96	3,441.90	3,131.12	310.77	11.075		
13,900.00	7,780.00	13,289.10	7,850.00	163.70	156.71	-91.16	-240.13	-6,010.95	3,443.16	3,127.11	316.05	10.894		
14,000.00	7,780.00	13,389.10	7,850.00	166.25	159.36	-91.16	-240.21	-6,110.94	3,444.42	3,123.10	321.32	10.719		
14,100.00	7,780.00	13,489.09	7,850.00	168.81	162.01	-91.16	-240.30	-6,210.93	3,445.69	3,119.08	326.60	10.550		
14,200.00	7,780.00	13,589.08	7,850.00	171.38	164.66	-91.16	-240.39	-6,310.93	3,446.95	3,115.06	331.89	10.386		
14,300.00	7,780.00	13,689.07	7,850.00	173.95	167.31	-91.16	-240.48	-6,410.92	3,448.22	3,111.04	337.18	10.227		
14,400.00	7,780.00	13,789.06	7,850.00	176.53	169.97	-91.16	-240.56	-6,510.91	3,449.48	3,107.01	342.47	10.072		
14,500.00	7,780.00	13,889.06	7,850.00	179.10	172.62	-91.16	-240.65	-6,610.90	3,450.74	3,102.98	347.76	9.923		
14,600.00	7,780.00	13,989.05	7,850.00	181.69	175.28	-91.16	-240.74	-6,710.89	3,452.01	3,098.95	353.06	9.777		
14,700.00	7,780.00	14,089.04	7,850.00	184.27	177.94	-91.16	-240.83	-6,810.89	3,453.27	3,094.91	358.36	9.636		
14,800.00	7,780.00	14,189.03	7,850.00	186.86	180.59	-91.16	-240.91	-6,910.88	3,454.54	3,090.88	363.66	9.499		
14,900.00	7,780.00	14,289.02	7,850.00	189.45	183.25	-91.16	-241.00	-7,010.87	3,455.80	3,086.83	368.96	9.366		
15,000.00	7,780.00	14,389.02	7,850.00	192.05	185.91	-91.16	-241.09	-7,110.86	3,457.06	3,082.79	374.27	9.237		
15,100.00	7,780.00	14,489.01	7,850.00	194.65	188.57	-91.15	-241.18	-7,210.85	3,458.33	3,078.75	379.58	9.111		
15,200.00	7,780.00	14,589.00	7,850.00	197.25	191.24	-91.15	-241.26	-7,310.85	3,459.59	3,074.70	384.89	8.988		
15,300.00	7,780.00	14,688.99	7,850.00	199.85	193.90	-91.15	-241.35	-7,410.84	3,460.85	3,070.65	390.21	8.869		
15,400.00	7,780.00	14,788.98	7,850.00	202.46	196.56	-91.15	-241.44	-7,510.83	3,462.12	3,066.60	395.52	8.753		
15,500.00	7,780.00	14,888.98	7,850.00	205.07	199.23	-91.15	-241.53	-7,610.82	3,463.38	3,062.54	400.84	8.640		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
15,600.00	7,780.00	14,988.97	7,850.00	207.68	201.89	-91.15	-241.61	-7,710.81	3,464.65	3,058.49	406.16	8.530		
15,700.00	7,780.00	15,088.96	7,850.00	210.29	204.56	-91.15	-241.70	-7,810.81	3,465.91	3,054.43	411.48	8.423		
15,800.00	7,780.00	15,188.95	7,850.00	212.91	207.23	-91.15	-241.79	-7,910.80	3,467.17	3,050.37	416.80	8.319		
15,900.00	7,780.00	15,288.94	7,850.00	215.53	209.89	-91.15	-241.88	-8,010.79	3,468.44	3,046.31	422.13	8.217		
16,000.00	7,780.00	15,388.94	7,850.00	218.15	212.56	-91.15	-241.97	-8,110.78	3,469.70	3,042.25	427.45	8.117		
16,100.00	7,780.00	15,488.93	7,850.00	220.77	215.23	-91.15	-242.05	-8,210.77	3,470.96	3,038.18	432.78	8.020		
16,200.00	7,780.00	15,588.92	7,850.00	223.39	217.90	-91.15	-242.14	-8,310.76	3,472.23	3,034.12	438.11	7.925		
16,300.00	7,780.00	15,688.91	7,850.00	226.02	220.57	-91.15	-242.23	-8,410.76	3,473.49	3,030.05	443.44	7.833		
16,400.00	7,780.00	15,788.90	7,850.00	228.65	223.24	-91.15	-242.32	-8,510.75	3,474.76	3,025.98	448.77	7.743		
16,500.00	7,780.00	15,888.89	7,850.00	231.28	225.91	-91.15	-242.40	-8,610.74	3,476.02	3,021.91	454.11	7.655		
16,600.00	7,780.00	15,988.89	7,850.00	233.91	228.58	-91.15	-242.49	-8,710.73	3,477.28	3,017.84	459.44	7.568		
16,700.00	7,780.00	16,088.88	7,850.00	236.54	231.26	-91.15	-242.58	-8,810.72	3,478.55	3,013.77	464.78	7.484		
16,800.00	7,780.00	16,188.87	7,850.00	239.17	233.93	-91.15	-242.67	-8,910.72	3,479.81	3,009.70	470.12	7.402		
16,900.00	7,780.00	16,288.86	7,850.00	241.81	236.60	-91.15	-242.75	-9,010.71	3,481.08	3,005.62	475.45	7.322		
17,000.00	7,780.00	16,388.86	7,850.00	244.44	239.28	-91.15	-242.84	-9,110.70	3,482.34	3,001.55	480.79	7.243		
17,100.00	7,780.00	16,488.85	7,850.00	247.08	241.95	-91.15	-242.93	-9,210.69	3,483.60	2,997.47	486.13	7.166		
17,200.00	7,780.00	16,588.84	7,850.00	249.72	244.62	-91.15	-243.02	-9,310.68	3,484.87	2,993.39	491.48	7.091		
17,300.00	7,780.00	16,688.83	7,850.00	252.36	247.30	-91.15	-243.10	-9,410.68	3,486.13	2,989.31	496.82	7.017		
17,400.00	7,780.00	16,788.82	7,850.00	255.00	249.97	-91.15	-243.19	-9,510.67	3,487.39	2,985.23	502.16	6.945		
17,500.00	7,780.00	16,888.82	7,850.00	257.65	252.65	-91.14	-243.28	-9,610.66	3,488.66	2,981.15	507.51	6.874		
17,600.00	7,780.00	16,988.81	7,850.00	260.29	255.33	-91.14	-243.37	-9,710.65	3,489.92	2,977.07	512.85	6.805		
17,700.00	7,780.00	17,088.80	7,850.00	262.94	258.00	-91.14	-243.45	-9,810.64	3,491.19	2,972.99	518.20	6.737		
17,800.00	7,780.00	17,188.79	7,850.00	265.58	260.68	-91.14	-243.54	-9,910.64	3,492.45	2,968.90	523.55	6.671		
17,900.00	7,780.00	17,288.78	7,850.00	268.23	263.36	-91.14	-243.63	-10,010.63	3,493.71	2,964.82	528.89	6.606		
18,000.00	7,780.00	17,388.78	7,850.00	270.88	266.03	-91.14	-243.72	-10,110.62	3,494.98	2,960.73	534.24	6.542		
18,100.00	7,780.00	17,488.77	7,850.00	273.53	268.71	-91.14	-243.80	-10,210.61	3,496.24	2,956.65	539.59	6.479		
18,200.00	7,780.00	17,588.76	7,850.00	276.18	271.39	-91.14	-243.89	-10,310.60	3,497.50	2,952.56	544.94	6.418		
18,300.00	7,780.00	17,688.75	7,850.00	278.83	274.07	-91.14	-243.98	-10,410.60	3,498.77	2,948.47	550.29	6.358		
18,400.00	7,780.00	17,788.74	7,850.00	281.48	276.75	-91.14	-244.07	-10,510.59	3,500.03	2,944.39	555.65	6.299		
18,500.00	7,780.00	17,888.74	7,850.00	284.13	279.42	-91.14	-244.15	-10,610.58	3,501.30	2,940.30	561.00	6.241		
18,600.00	7,780.00	17,988.73	7,850.00	286.79	282.10	-91.14	-244.24	-10,710.57	3,502.56	2,936.21	566.35	6.184		
18,674.95	7,780.00	18,063.67	7,850.00	288.81	284.11	-91.14	-244.31	-10,785.52	3,503.51	2,933.15	570.35	6.143 SF		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	0.70	-0.70	0.00	0.00	-179.80	-79.77	-0.28	79.78					
100.00	100.00	99.30	99.30	0.13	0.13	-179.80	-79.77	-0.28	79.78	79.51	0.27	297.766	CC	
200.00	199.98	202.03	202.01	0.49	0.50	-173.62	-78.02	-0.77	79.81	78.81	1.00	79.878		
300.00	299.84	304.78	304.60	0.86	0.88	-172.97	-72.73	-2.24	79.87	78.14	1.73	46.112		
400.00	399.45	407.51	406.92	1.23	1.26	-171.87	-63.89	-4.70	79.98	77.51	2.47	32.433		
500.00	498.70	510.21	508.81	1.63	1.67	-170.34	-51.53	-8.14	80.16	76.96	3.21	24.997		
600.00	597.47	612.88	610.14	2.04	2.10	-168.40	-35.66	-12.56	80.48	76.52	3.96	20.315		
700.00	695.62	715.50	710.77	2.49	2.57	-166.04	-16.32	-17.94	80.98	76.24	4.74	17.102		
800.00	793.06	818.07	810.58	2.97	3.07	-163.31	6.47	-24.28	81.73	76.19	5.54	14.754		
900.00	889.64	920.58	909.41	3.49	3.61	-160.23	32.68	-31.57	82.82	76.43	6.39	12.960		
1,000.00	985.27	1,023.03	1,007.14	4.05	4.20	-156.86	62.25	-39.80	84.31	77.01	7.30	11.549		
1,100.00	1,079.82	1,125.40	1,103.64	4.65	4.83	-153.26	95.14	-48.95	86.29	77.99	8.30	10.397		
1,200.00	1,173.17	1,227.68	1,198.79	5.29	5.51	-149.50	131.30	-59.01	88.83	79.42	9.41	9.445		
1,300.00	1,265.21	1,329.48	1,292.10	5.99	6.23	-145.69	170.48	-69.91	92.03	81.40	10.64	8.653		
1,400.00	1,356.55	1,429.25	1,383.06	6.71	6.96	-142.37	209.96	-80.90	96.17	84.21	11.96	8.038		
1,500.00	1,447.88	1,529.01	1,474.02	7.44	7.70	-139.33	249.44	-91.88	100.60	87.25	13.35	7.535		
1,600.00	1,539.21	1,628.78	1,564.98	8.17	8.45	-136.55	288.92	-102.87	105.30	90.51	14.79	7.120		
1,700.00	1,630.55	1,728.54	1,655.94	8.91	9.21	-134.02	328.41	-113.86	110.21	93.95	16.26	6.778		
1,800.00	1,721.88	1,828.31	1,746.90	9.65	9.97	-131.71	367.89	-124.84	115.33	97.57	17.76	6.493		
1,900.00	1,813.21	1,928.07	1,837.86	10.40	10.73	-129.59	407.37	-135.83	120.62	101.33	19.28	6.255		
2,000.00	1,904.54	2,027.84	1,928.82	11.15	11.49	-127.66	446.85	-146.81	126.05	105.23	20.82	6.054		
2,100.00	1,995.88	2,127.60	2,019.78	11.90	12.25	-125.89	486.34	-157.80	131.62	109.25	22.37	5.883		
2,200.00	2,087.21	2,227.37	2,110.74	12.65	13.02	-124.26	525.82	-168.78	137.30	113.37	23.93	5.737		
2,300.00	2,178.54	2,327.13	2,201.70	13.41	13.79	-122.76	565.30	-179.77	143.09	117.59	25.50	5.612		
2,400.00	2,269.87	2,426.90	2,292.66	14.16	14.56	-121.38	604.78	-190.76	148.97	121.90	27.07	5.504		
2,500.00	2,361.21	2,526.66	2,383.62	14.92	15.33	-120.10	644.26	-201.74	154.92	126.28	28.64	5.409		
2,600.00	2,452.54	2,626.43	2,474.57	15.67	16.10	-118.92	683.75	-212.73	160.95	130.73	30.21	5.327		
2,700.00	2,543.87	2,726.20	2,565.53	16.43	16.87	-117.83	723.23	-223.71	167.04	135.25	31.79	5.255		
2,800.00	2,635.20	2,825.96	2,656.49	17.19	17.64	-116.81	762.71	-234.70	173.18	139.82	33.36	5.191		
2,900.00	2,726.54	2,925.73	2,747.45	17.95	18.41	-115.87	802.19	-245.69	179.38	144.44	34.94	5.134		
3,000.00	2,817.87	3,025.49	2,838.41	18.71	19.18	-114.98	841.68	-256.67	185.62	149.11	36.51	5.084		
3,100.00	2,909.20	3,125.26	2,929.37	19.47	19.96	-114.15	881.16	-267.66	191.90	153.82	38.09	5.038		
3,200.00	3,000.54	3,225.02	3,020.33	20.22	20.73	-113.38	920.64	-278.64	198.23	158.56	39.66	4.998		
3,300.00	3,091.87	3,324.79	3,111.29	20.98	21.50	-112.66	960.12	-289.63	204.58	163.35	41.23	4.962		
3,400.00	3,183.20	3,424.55	3,202.25	21.74	22.28	-111.97	999.60	-300.61	210.97	168.16	42.80	4.929		
3,500.00	3,274.53	3,524.32	3,293.21	22.50	23.05	-111.33	1,039.09	-311.60	217.38	173.00	44.37	4.899		
3,600.00	3,365.87	3,624.08	3,384.17	23.27	23.83	-110.73	1,078.57	-322.59	223.82	177.87	45.94	4.872		
3,700.00	3,457.20	3,723.85	3,475.13	24.03	24.60	-110.15	1,118.05	-333.57	230.28	182.77	47.51	4.847		
3,800.00	3,548.53	3,823.61	3,566.09	24.79	25.38	-109.61	1,157.53	-344.56	236.76	187.69	49.08	4.824		
3,900.00	3,639.86	3,923.38	3,657.05	25.55	26.15	-109.10	1,197.02	-355.54	243.27	192.62	50.64	4.804		
4,000.00	3,731.20	4,023.15	3,748.00	26.31	26.93	-108.62	1,236.50	-366.53	249.79	197.58	52.21	4.785		
4,100.00	3,822.53	4,122.91	3,838.96	27.07	27.70	-108.16	1,275.98	-377.51	256.33	202.56	53.77	4.767		
4,200.00	3,913.86	4,222.68	3,929.92	27.83	28.48	-107.72	1,315.46	-388.50	262.88	207.55	55.33	4.751		
4,300.00	4,005.19	4,322.44	4,020.88	28.59	29.25	-107.31	1,354.95	-399.49	269.45	212.56	56.90	4.736		
4,400.00	4,096.53	4,422.21	4,111.84	29.35	30.03	-106.91	1,394.43	-410.47	276.03	217.58	58.46	4.722		
4,500.00	4,187.86	4,521.97	4,202.80	30.12	30.81	-106.53	1,433.91	-421.46	282.63	222.61	60.02	4.709		
4,600.00	4,279.19	4,621.74	4,293.76	30.88	31.58	-106.17	1,473.39	-432.44	289.24	227.66	61.57	4.697		
4,700.00	4,370.52	4,721.50	4,384.72	31.64	32.36	-105.83	1,512.87	-443.43	295.85	232.72	63.13	4.686		
4,800.00	4,461.86	4,821.27	4,475.68	32.40	33.13	-105.50	1,552.36	-454.42	302.48	237.79	64.69	4.676		
4,900.00	4,553.19	4,921.03	4,566.64	33.16	33.91	-105.18	1,591.84	-465.40	309.12	242.87	66.25	4.666		
5,000.00	4,644.52	5,020.80	4,657.60	33.93	34.69	-104.88	1,631.32	-476.39	315.76	247.96	67.80	4.657		
5,100.00	4,735.86	5,120.56	4,748.56	34.69	35.46	-104.59	1,670.80	-487.37	322.42	253.06	69.36	4.649		

CC - Min centre to center distance or convergent 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 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
5,200.00	4,827.19	5,220.33	4,839.52	35.45	36.24	-104.32	1,710.29	-498.36	329.08	258.17	70.91	4.641		
5,300.00	4,918.52	5,320.10	4,930.48	36.21	37.02	-104.05	1,749.77	-509.34	335.75	263.29	72.46	4.633		
5,400.00	5,009.85	5,419.86	5,021.44	36.98	37.79	-103.79	1,789.25	-520.33	342.43	268.41	74.02	4.626		
5,500.00	5,101.19	5,519.63	5,112.39	37.74	38.57	-103.55	1,828.73	-531.32	349.11	273.54	75.57	4.620		
5,600.00	5,192.52	5,619.39	5,203.35	38.50	39.35	-103.31	1,868.22	-542.30	355.80	278.68	77.12	4.614		
5,700.00	5,283.85	5,719.16	5,294.31	39.26	40.12	-103.08	1,907.70	-553.29	362.50	283.82	78.67	4.608		
5,800.00	5,375.18	5,818.92	5,385.27	40.03	40.90	-102.86	1,947.18	-564.27	369.20	288.97	80.22	4.602		
5,900.00	5,466.52	5,918.69	5,476.23	40.79	41.68	-102.65	1,986.66	-575.26	375.90	294.13	81.77	4.597		
6,000.00	5,557.85	6,018.45	5,567.19	41.55	42.45	-102.45	2,026.14	-586.24	382.61	299.29	83.32	4.592		
6,100.00	5,649.18	6,118.22	5,658.15	42.31	43.23	-102.25	2,065.63	-597.23	389.33	304.46	84.87	4.587		
6,200.00	5,740.51	6,217.98	5,749.11	43.08	44.01	-102.06	2,105.11	-608.22	396.05	309.63	86.42	4.583		
6,300.00	5,831.85	6,317.75	5,840.07	43.84	44.78	-101.87	2,144.59	-619.20	402.77	314.80	87.97	4.579		
6,400.00	5,923.18	6,417.51	5,931.03	44.60	45.56	-101.69	2,184.07	-630.19	409.50	319.98	89.52	4.575		
6,500.00	6,014.51	6,517.28	6,021.99	45.36	46.34	-101.52	2,223.56	-641.17	416.23	325.17	91.06	4.571		
6,600.00	6,105.85	6,617.05	6,112.95	46.13	47.11	-101.35	2,263.04	-652.16	422.97	330.36	92.61	4.567		
6,700.00	6,197.18	6,716.81	6,203.91	46.89	47.89	-101.19	2,302.52	-663.15	429.71	335.55	94.16	4.564		
6,800.00	6,288.51	6,816.58	6,294.87	47.65	48.67	-101.03	2,342.00	-674.13	436.45	340.75	95.71	4.560		
6,900.00	6,379.84	6,916.34	6,385.82	48.42	49.44	-100.88	2,381.48	-685.12	443.20	345.95	97.25	4.557		
7,000.00	6,471.18	7,016.11	6,476.78	49.18	50.22	-100.73	2,420.97	-696.10	449.95	351.15	98.80	4.554		
7,100.00	6,562.51	7,115.87	6,567.74	49.94	51.00	-100.59	2,460.45	-707.09	456.70	356.36	100.34	4.551		
7,200.00	6,653.84	7,215.64	6,658.70	50.71	51.78	-100.45	2,499.93	-718.07	463.45	361.56	101.89	4.549		
7,300.00	6,745.17	7,315.40	6,749.66	51.47	52.55	-100.32	2,539.41	-729.06	470.21	366.78	103.43	4.546		
7,400.00	6,836.51	7,415.17	6,840.62	52.23	53.33	-100.19	2,578.90	-740.05	476.97	371.99	104.98	4.543		
7,500.00	6,927.84	7,514.93	6,931.58	52.99	54.11	-100.06	2,618.38	-751.03	483.73	377.21	106.52	4.541		
7,600.00	7,019.17	7,614.70	7,022.54	53.76	54.88	-99.93	2,657.86	-762.02	490.50	382.43	108.07	4.539		
7,700.00	7,110.50	7,714.47	7,113.50	54.52	55.66	-99.81	2,697.34	-773.00	497.26	387.65	109.61	4.537		
7,800.00	7,201.84	7,859.00	7,245.45	55.28	56.77	-99.71	2,754.63	-786.50	503.68	392.31	111.37	4.522		
7,900.00	7,293.16	8,342.13	7,640.87	56.05	58.91	-107.55	2,926.92	-602.48	458.29	381.22	77.07	5.946		
8,000.00	7,383.34	8,486.49	7,717.47	56.83	59.07	-119.05	2,960.54	-485.29	373.37	313.94	59.43	6.282		
8,100.00	7,469.66	8,515.84	7,729.59	57.62	59.08	-135.00	2,965.88	-459.10	283.55	224.43	59.12	4.796		
8,200.00	7,549.48	8,507.77	7,726.38	58.39	59.09	-137.06	2,964.46	-466.36	201.90	135.60	66.30	3.045		
8,300.00	7,620.40	8,483.77	7,716.28	59.13	59.07	-128.54	2,960.01	-487.68	145.76	70.14	75.62	1.928		
8,352.84	7,653.52	8,467.51	7,708.98	59.50	59.06	-120.76	2,956.80	-501.84	136.71	60.73	75.99	1.799 ES, SF		
8,400.00	7,680.24	8,451.61	7,701.48	59.84	59.05	-112.24	2,953.51	-515.47	143.69	71.39	72.30	1.987		
8,500.00	7,727.20	8,414.77	7,682.81	60.51	59.01	-91.58	2,945.31	-546.14	191.96	126.68	65.28	2.941		
8,600.00	7,759.84	8,375.01	7,660.66	61.13	58.96	-72.82	2,935.59	-577.70	259.17	193.21	65.96	3.929		
8,700.00	7,777.18	8,333.30	7,635.33	61.71	58.89	-59.54	2,924.50	-608.91	329.49	259.33	70.16	4.696		
8,800.00	7,780.00	8,290.89	7,607.51	62.25	58.80	-52.85	2,912.33	-638.51	398.10	322.82	75.28	5.288		
8,900.00	7,780.00	8,250.00	7,578.85	62.83	58.70	-50.08	2,899.81	-664.83	470.85	391.38	79.47	5.925		
9,000.00	7,780.00	8,221.28	7,557.73	63.50	58.62	-48.34	2,890.58	-681.96	548.25	464.20	84.05	6.523		
9,100.00	7,780.00	8,200.00	7,541.58	64.25	58.56	-47.14	2,883.53	-693.89	629.40	541.26	88.14	7.141		
9,200.00	7,780.00	8,169.60	7,517.84	65.08	58.45	-45.57	2,873.17	-709.79	713.29	623.06	90.23	7.906		
9,300.00	7,780.00	8,150.00	7,502.13	65.99	58.38	-44.64	2,866.32	-719.30	799.55	706.88	92.67	8.628		
9,400.00	7,780.00	8,130.31	7,486.06	67.00	58.30	-43.76	2,859.31	-728.26	887.67	793.16	94.51	9.392		
9,500.00	7,780.00	8,114.09	7,472.61	68.10	58.24	-43.08	2,853.45	-735.18	977.30	881.15	96.15	10.164		
9,600.00	7,780.00	8,100.00	7,460.79	69.29	58.18	-42.51	2,848.30	-740.86	1,068.19	970.63	97.57	10.948		
9,700.00	7,780.00	8,100.00	7,460.79	70.56	58.18	-42.51	2,848.30	-740.86	1,160.35	1,060.92	99.43	11.670		
9,800.00	7,780.00	8,075.28	7,439.75	71.93	58.06	-41.58	2,839.14	-750.04	1,252.94	1,153.18	99.76	12.559		
9,900.00	7,780.00	8,050.00	7,417.88	73.38	57.95	-40.70	2,829.61	-758.40	1,346.78	1,246.79	99.99	13.470		
10,000.00	7,780.00	8,050.00	7,417.88	74.91	57.95	-40.70	2,829.61	-758.40	1,440.74	1,339.53	101.20	14.236		
10,100.00	7,780.00	8,050.00	7,417.88	76.52	57.95	-40.70	2,829.61	-758.40	1,535.46	1,433.23	102.23	15.020		
10,200.00	7,780.00	8,050.00	7,417.88	78.21	57.95	-40.70	2,829.61	-758.40	1,630.81	1,527.71	103.10	15.817		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	8,031.85	7,401.98	79.96	57.85	-40.11	2,822.69	-763.75	1,726.31	1,623.07	103.24	16.721		
10,400.00	7,780.00	8,025.25	7,396.16	81.78	57.82	-39.90	2,820.16	-765.56	1,822.32	1,718.60	103.72	17.570		
10,500.00	7,780.00	8,019.16	7,390.78	83.66	57.78	-39.72	2,817.81	-767.16	1,918.64	1,814.49	104.15	18.423		
10,600.00	7,780.00	8,000.00	7,373.73	85.59	57.68	-39.15	2,810.39	-771.80	2,015.45	1,911.32	104.14	19.354		
10,700.00	7,780.00	8,000.00	7,373.73	87.57	57.68	-39.15	2,810.39	-771.80	2,112.19	2,007.54	104.65	20.183		
10,800.00	7,780.00	8,000.00	7,373.73	89.60	57.68	-39.15	2,810.39	-771.80	2,209.21	2,104.10	105.11	21.018		
10,900.00	7,780.00	8,000.00	7,373.73	91.67	57.68	-39.15	2,810.39	-771.80	2,306.49	2,200.97	105.52	21.858		
11,000.00	7,780.00	8,000.00	7,373.73	93.79	57.68	-39.15	2,810.39	-771.80	2,403.99	2,298.10	105.89	22.703		
11,100.00	7,780.00	8,000.00	7,373.73	95.94	57.68	-39.15	2,810.39	-771.80	2,501.69	2,395.47	106.23	23.550		
11,200.00	7,780.00	8,000.00	7,373.73	98.12	57.68	-39.15	2,810.39	-771.80	2,599.57	2,493.03	106.53	24.401		
11,300.00	7,780.00	8,000.00	7,373.73	100.33	57.68	-39.15	2,810.39	-771.80	2,697.60	2,590.78	106.82	25.255		
11,400.00	7,780.00	8,000.00	7,373.73	102.57	57.68	-39.15	2,810.39	-771.80	2,795.77	2,688.69	107.07	26.111		
11,500.00	7,780.00	7,977.13	7,353.21	104.84	57.55	-38.52	2,801.46	-776.52	2,893.52	2,786.70	106.82	27.089		
11,600.00	7,780.00	7,974.20	7,350.57	107.13	57.53	-38.45	2,800.32	-777.06	2,991.78	2,884.79	106.99	27.964		
11,700.00	7,780.00	7,971.42	7,348.06	109.44	57.51	-38.37	2,799.23	-777.56	3,090.14	2,982.99	107.15	28.840		
11,800.00	7,780.00	7,950.00	7,328.67	111.78	57.39	-37.83	2,790.79	-780.95	3,188.95	3,082.03	106.92	29.826		
11,900.00	7,780.00	7,950.00	7,328.67	114.13	57.39	-37.83	2,790.79	-780.95	3,287.38	3,180.26	107.12	30.690		
12,000.00	7,780.00	7,950.00	7,328.67	116.50	57.39	-37.83	2,790.79	-780.95	3,385.91	3,278.60	107.30	31.554		
12,100.00	7,780.00	7,950.00	7,328.67	118.89	57.39	-37.83	2,790.79	-780.95	3,484.52	3,377.04	107.48	32.420		
12,200.00	7,780.00	7,950.00	7,328.67	121.29	57.39	-37.83	2,790.79	-780.95	3,583.21	3,475.56	107.65	33.287		
12,300.00	7,780.00	7,950.00	7,328.67	123.71	57.39	-37.83	2,790.79	-780.95	3,681.96	3,574.16	107.80	34.155		
12,400.00	7,780.00	7,950.00	7,328.67	126.14	57.39	-37.83	2,790.79	-780.95	3,780.79	3,672.84	107.95	35.023		
12,500.00	7,780.00	7,950.00	7,328.67	128.58	57.39	-37.83	2,790.79	-780.95	3,879.67	3,771.58	108.09	35.893		
12,600.00	7,780.00	7,950.00	7,328.67	131.03	57.39	-37.83	2,790.79	-780.95	3,978.61	3,870.39	108.23	36.762		
12,700.00	7,780.00	7,950.00	7,328.67	133.49	57.39	-37.83	2,790.79	-780.95	4,077.60	3,969.25	108.35	37.632		
12,800.00	7,780.00	7,950.00	7,328.67	135.97	57.39	-37.83	2,790.79	-780.95	4,176.64	4,068.17	108.48	38.503		
12,900.00	7,780.00	7,950.00	7,328.67	138.45	57.39	-37.83	2,790.79	-780.95	4,275.73	4,167.14	108.59	39.374		
13,000.00	7,780.00	7,950.00	7,328.67	140.94	57.39	-37.83	2,790.79	-780.95	4,374.85	4,266.15	108.71	40.245		
13,100.00	7,780.00	7,950.00	7,328.67	143.44	57.39	-37.83	2,790.79	-780.95	4,474.02	4,365.20	108.81	41.116		
13,200.00	7,780.00	7,950.00	7,328.67	145.95	57.39	-37.83	2,790.79	-780.95	4,573.22	4,464.30	108.92	41.987		
13,300.00	7,780.00	7,950.00	7,328.67	148.47	57.39	-37.83	2,790.79	-780.95	4,672.46	4,563.44	109.02	42.859		
13,400.00	7,780.00	7,950.00	7,328.67	150.99	57.39	-37.83	2,790.79	-780.95	4,771.72	4,662.61	109.12	43.730		
13,500.00	7,780.00	7,950.00	7,328.67	153.52	57.39	-37.83	2,790.79	-780.95	4,871.02	4,761.81	109.21	44.601		
13,600.00	7,780.00	7,950.00	7,328.67	156.06	57.39	-37.83	2,790.79	-780.95	4,970.35	4,861.04	109.30	45.473		
13,700.00	7,780.00	7,950.00	7,328.67	158.60	57.39	-37.83	2,790.79	-780.95	5,069.70	4,960.30	109.39	46.344		
13,800.00	7,780.00	7,950.00	7,328.67	161.14	57.39	-37.83	2,790.79	-780.95	5,169.08	5,059.59	109.48	47.214		
13,900.00	7,780.00	7,950.00	7,328.67	163.70	57.39	-37.83	2,790.79	-780.95	5,268.48	5,158.91	109.57	48.085		
14,000.00	7,780.00	7,950.00	7,328.67	166.25	57.39	-37.83	2,790.79	-780.95	5,367.90	5,258.25	109.65	48.956		
14,100.00	7,780.00	7,950.00	7,328.67	168.81	57.39	-37.83	2,790.79	-780.95	5,467.34	5,357.61	109.73	49.826		
14,200.00	7,780.00	7,950.00	7,328.67	171.38	57.39	-37.83	2,790.79	-780.95	5,566.81	5,457.00	109.81	50.696		
14,300.00	7,780.00	7,950.00	7,328.67	173.95	57.39	-37.83	2,790.79	-780.95	5,666.29	5,556.40	109.89	51.565		
14,400.00	7,780.00	7,950.00	7,328.67	176.53	57.39	-37.83	2,790.79	-780.95	5,765.79	5,655.83	109.96	52.434		
14,500.00	7,780.00	7,950.00	7,328.67	179.10	57.39	-37.83	2,790.79	-780.95	5,865.31	5,755.27	110.04	53.303		
14,600.00	7,780.00	7,927.56	7,308.24	181.69	57.24	-37.30	2,781.91	-783.66	5,964.36	5,854.58	109.78	54.332		
14,700.00	7,780.00	7,926.72	7,307.48	184.27	57.24	-37.28	2,781.58	-783.74	6,063.87	5,954.04	109.84	55.208		
14,800.00	7,780.00	7,925.91	7,306.74	186.86	57.23	-37.26	2,781.26	-783.82	6,163.40	6,053.50	109.90	56.083		
14,900.00	7,780.00	7,925.13	7,306.02	189.45	57.23	-37.24	2,780.95	-783.90	6,262.94	6,152.98	109.96	56.957		
15,000.00	7,780.00	7,924.37	7,305.33	192.05	57.22	-37.23	2,780.64	-783.97	6,362.50	6,252.48	110.02	57.830		
15,100.00	7,780.00	7,923.63	7,304.65	194.65	57.22	-37.21	2,780.35	-784.04	6,462.06	6,351.98	110.08	58.703		
15,200.00	7,780.00	7,922.91	7,303.99	197.25	57.21	-37.19	2,780.06	-784.11	6,561.64	6,451.51	110.14	59.576		
15,300.00	7,780.00	7,900.00	7,283.04	199.85	57.06	-36.69	2,770.96	-785.79	6,661.70	6,551.82	109.88	60.628		
15,400.00	7,780.00	7,900.00	7,283.04	202.46	57.06	-36.69	2,770.96	-785.79	6,761.28	6,651.33	109.95	61.495		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	7,900.00	7,283.04	205.07	57.06	-36.69	2,770.96	-785.79	6,860.86	6,750.84	110.02	62.361		
15,600.00	7,780.00	7,900.00	7,283.04	207.68	57.06	-36.69	2,770.96	-785.79	6,960.46	6,850.37	110.09	63.227		
15,700.00	7,780.00	7,900.00	7,283.04	210.29	57.06	-36.69	2,770.96	-785.79	7,060.07	6,949.92	110.15	64.092		
15,800.00	7,780.00	7,900.00	7,283.04	212.91	57.06	-36.69	2,770.96	-785.79	7,159.69	7,049.47	110.22	64.957		
15,900.00	7,780.00	7,900.00	7,283.04	215.53	57.06	-36.69	2,770.96	-785.79	7,259.32	7,149.03	110.29	65.821		
16,000.00	7,780.00	7,900.00	7,283.04	218.15	57.06	-36.69	2,770.96	-785.79	7,358.96	7,248.61	110.36	66.684		
16,100.00	7,780.00	7,900.00	7,283.04	220.77	57.06	-36.69	2,770.96	-785.79	7,458.61	7,348.19	110.42	67.547		
16,200.00	7,780.00	7,900.00	7,283.04	223.39	57.06	-36.69	2,770.96	-785.79	7,558.27	7,447.79	110.49	68.408		
16,300.00	7,780.00	7,900.00	7,283.04	226.02	57.06	-36.69	2,770.96	-785.79	7,657.94	7,547.39	110.55	69.269		
16,400.00	7,780.00	7,900.00	7,283.04	228.65	57.06	-36.69	2,770.96	-785.79	7,757.62	7,647.00	110.62	70.130		
16,500.00	7,780.00	7,900.00	7,283.04	231.28	57.06	-36.69	2,770.96	-785.79	7,857.30	7,746.62	110.68	70.989		
16,600.00	7,780.00	7,900.00	7,283.04	233.91	57.06	-36.69	2,770.96	-785.79	7,957.00	7,846.25	110.75	71.848		
16,700.00	7,780.00	7,900.00	7,283.04	236.54	57.06	-36.69	2,770.96	-785.79	8,056.70	7,945.89	110.81	72.706		
16,800.00	7,780.00	7,900.00	7,283.04	239.17	57.06	-36.69	2,770.96	-785.79	8,156.41	8,045.53	110.88	73.564		
16,900.00	7,780.00	7,900.00	7,283.04	241.81	57.06	-36.69	2,770.96	-785.79	8,256.12	8,145.18	110.94	74.420		
17,000.00	7,780.00	7,900.00	7,283.04	244.44	57.06	-36.69	2,770.96	-785.79	8,355.84	8,244.84	111.00	75.276		
17,100.00	7,780.00	7,900.00	7,283.04	247.08	57.06	-36.69	2,770.96	-785.79	8,455.57	8,344.50	111.07	76.130		
17,200.00	7,780.00	7,900.00	7,283.04	249.72	57.06	-36.69	2,770.96	-785.79	8,555.31	8,444.18	111.13	76.984		
17,300.00	7,780.00	7,900.00	7,283.04	252.36	57.06	-36.69	2,770.96	-785.79	8,655.05	8,543.85	111.19	77.837		
17,400.00	7,780.00	7,900.00	7,283.04	255.00	57.06	-36.69	2,770.96	-785.79	8,754.79	8,643.54	111.26	78.690		
17,500.00	7,780.00	7,900.00	7,283.04	257.65	57.06	-36.69	2,770.96	-785.79	8,854.55	8,743.23	111.32	79.541		
17,600.00	7,780.00	7,900.00	7,283.04	260.29	57.06	-36.69	2,770.96	-785.79	8,954.31	8,842.92	111.38	80.391		
17,700.00	7,780.00	7,900.00	7,283.04	262.94	57.06	-36.69	2,770.96	-785.79	9,054.07	8,942.62	111.45	81.241		
17,800.00	7,780.00	7,900.00	7,283.04	265.58	57.06	-36.69	2,770.96	-785.79	9,153.84	9,042.33	111.51	82.089		
17,900.00	7,780.00	7,900.00	7,283.04	268.23	57.06	-36.69	2,770.96	-785.79	9,253.61	9,142.04	111.57	82.937		
18,000.00	7,780.00	7,900.00	7,283.04	270.88	57.06	-36.69	2,770.96	-785.79	9,353.39	9,241.75	111.64	83.784		
18,100.00	7,780.00	7,900.00	7,283.04	273.53	57.06	-36.69	2,770.96	-785.79	9,453.17	9,341.47	111.70	84.629		
18,200.00	7,780.00	7,900.00	7,283.04	276.18	57.06	-36.69	2,770.96	-785.79	9,552.96	9,441.20	111.76	85.474		
18,300.00	7,780.00	7,900.00	7,283.04	278.83	57.06	-36.69	2,770.96	-785.79	9,652.75	9,540.92	111.83	86.318		
18,400.00	7,780.00	7,900.00	7,283.04	281.48	57.06	-36.69	2,770.96	-785.79	9,752.55	9,640.66	111.89	87.161		
18,500.00	7,780.00	7,900.00	7,283.04	284.13	57.06	-36.69	2,770.96	-785.79	9,852.35	9,740.39	111.96	88.003		
18,600.00	7,780.00	7,900.00	7,283.04	286.79	57.06	-36.69	2,770.96	-785.79	9,952.15	9,840.13	112.02	88.844		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	0.60	-0.60	0.00	0.00	-179.68	-99.81	-0.56	99.81					
100.00	100.00	100.60	99.40	0.13	0.14	-179.68	-99.81	-0.56	99.81	99.54	0.27	368.301	CC, ES	
200.00	199.98	199.38	199.38	0.49	0.49	-173.82	-99.81	-0.56	101.55	100.56	0.99	102.909		
300.00	299.84	302.82	302.80	0.86	0.86	-173.80	-98.07	-1.16	105.07	103.35	1.72	61.060		
400.00	399.45	406.39	406.22	1.23	1.24	-173.34	-92.78	-2.98	108.65	106.19	2.46	44.238		
500.00	498.70	510.07	509.47	1.63	1.62	-172.47	-83.96	-6.02	112.31	109.11	3.20	35.145		
600.00	597.47	613.83	612.39	2.04	2.03	-171.24	-71.60	-10.28	116.07	112.13	3.94	29.434		
700.00	695.62	717.66	714.85	2.49	2.46	-169.69	-55.71	-15.75	119.99	115.28	4.71	25.501		
800.00	793.06	821.55	816.69	2.97	2.92	-167.86	-36.31	-22.43	124.10	118.61	5.49	22.617		
900.00	889.64	925.48	917.75	3.49	3.42	-165.77	-13.42	-30.32	128.47	122.17	6.30	20.394		
1,000.00	985.27	1,029.44	1,017.90	4.05	3.96	-163.47	12.93	-39.39	133.16	126.01	7.14	18.639		
1,100.00	1,079.82	1,133.41	1,116.98	4.65	4.55	-161.00	42.70	-49.65	138.23	130.18	8.05	17.166		
1,200.00	1,173.17	1,236.38	1,213.95	5.29	5.18	-158.43	75.43	-60.92	143.84	134.82	9.03	15.935		
1,300.00	1,265.21	1,335.91	1,307.32	5.99	5.81	-156.41	108.03	-72.15	152.02	141.96	10.06	15.114		
1,400.00	1,356.55	1,435.33	1,400.59	6.71	6.45	-154.92	140.59	-83.36	161.97	150.86	11.12	14.570		
1,500.00	1,447.88	1,534.75	1,493.85	7.44	7.09	-153.60	173.16	-94.58	172.02	159.82	12.20	14.099		
1,600.00	1,539.21	1,634.17	1,587.11	8.17	7.75	-152.43	205.72	-105.80	182.15	168.84	13.31	13.687		
1,700.00	1,630.55	1,733.59	1,680.38	8.91	8.40	-151.38	238.29	-117.01	192.35	177.92	14.44	13.325		
1,800.00	1,721.88	1,833.01	1,773.64	9.65	9.06	-150.44	270.85	-128.23	202.61	187.03	15.58	13.006		
1,900.00	1,813.21	1,932.43	1,866.90	10.40	9.73	-149.59	303.42	-139.45	212.91	196.18	16.73	12.724		
2,000.00	1,904.54	2,031.85	1,960.17	11.15	10.39	-148.82	335.98	-150.66	223.26	205.36	17.90	12.472		
2,100.00	1,995.88	2,131.27	2,053.43	11.90	11.06	-148.11	368.55	-161.88	233.64	214.56	19.08	12.246		
2,200.00	2,087.21	2,230.69	2,146.70	12.65	11.73	-147.47	401.11	-173.09	244.06	223.79	20.26	12.044		
2,300.00	2,178.54	2,330.11	2,239.96	13.41	12.40	-146.88	433.67	-184.31	254.50	233.04	21.46	11.861		
2,400.00	2,269.87	2,429.53	2,333.22	14.16	13.07	-146.33	466.24	-195.53	264.97	242.31	22.66	11.695		
2,500.00	2,361.21	2,528.96	2,426.49	14.92	13.74	-145.83	498.80	-206.74	275.46	251.60	23.86	11.544		
2,600.00	2,452.54	2,628.38	2,519.75	15.67	14.41	-145.36	531.37	-217.96	285.97	260.89	25.07	11.406		
2,700.00	2,543.87	2,727.80	2,613.02	16.43	15.08	-144.93	563.93	-229.17	296.49	270.21	26.28	11.280		
2,800.00	2,635.20	2,827.22	2,706.28	17.19	15.76	-144.53	596.50	-240.39	307.03	279.53	27.50	11.164		
2,900.00	2,726.54	2,926.64	2,799.54	17.95	16.43	-144.15	629.06	-251.61	317.59	288.87	28.72	11.057		
3,000.00	2,817.87	3,026.06	2,892.81	18.71	17.10	-143.80	661.63	-262.82	328.16	298.21	29.95	10.958		
3,100.00	2,909.20	3,125.48	2,986.07	19.47	17.78	-143.47	694.19	-274.04	338.74	307.57	31.17	10.866		
3,200.00	3,000.54	3,224.90	3,079.34	20.22	18.45	-143.16	726.75	-285.25	349.33	316.93	32.40	10.781		
3,300.00	3,091.87	3,324.32	3,172.60	20.98	19.13	-142.87	759.32	-296.47	359.93	326.30	33.63	10.701		
3,400.00	3,183.20	3,423.74	3,265.86	21.74	19.80	-142.59	791.88	-307.69	370.54	335.67	34.87	10.627		
3,500.00	3,274.53	3,523.16	3,359.13	22.50	20.48	-142.33	824.45	-318.90	381.16	345.05	36.10	10.557		
3,600.00	3,365.87	3,622.58	3,452.39	23.27	21.16	-142.08	857.01	-330.12	391.78	354.44	37.34	10.492		
3,700.00	3,457.20	3,722.00	3,545.65	24.03	21.83	-141.85	889.58	-341.34	402.41	363.83	38.58	10.431		
3,800.00	3,548.53	3,821.42	3,638.92	24.79	22.51	-141.63	922.14	-352.55	413.05	373.23	39.82	10.373		
3,900.00	3,639.86	3,920.84	3,732.18	25.55	23.19	-141.42	954.71	-363.77	423.69	382.63	41.06	10.319		
4,000.00	3,731.20	4,020.26	3,825.45	26.31	23.86	-141.22	987.27	-374.98	434.34	392.04	42.30	10.268		
4,100.00	3,822.53	4,119.68	3,918.71	27.07	24.54	-141.03	1,019.83	-386.20	445.00	401.45	43.54	10.219		
4,200.00	3,913.86	4,219.10	4,011.97	27.83	25.22	-140.85	1,052.40	-397.42	455.65	410.86	44.79	10.173		
4,300.00	4,005.19	4,318.52	4,105.24	28.59	25.89	-140.68	1,084.96	-408.63	466.32	420.28	46.03	10.130		
4,400.00	4,096.53	4,417.94	4,198.50	29.35	26.57	-140.51	1,117.53	-419.85	476.98	429.70	47.28	10.089		
4,500.00	4,187.86	4,517.36	4,291.77	30.12	27.25	-140.35	1,150.09	-431.06	487.65	439.13	48.53	10.049		
4,600.00	4,279.19	4,616.78	4,385.03	30.88	27.93	-140.20	1,182.66	-442.28	498.33	448.55	49.77	10.012		
4,700.00	4,370.52	4,716.20	4,478.29	31.64	28.60	-140.06	1,215.22	-453.50	509.00	457.98	51.02	9.976		
4,800.00	4,461.86	4,815.62	4,571.56	32.40	29.28	-139.92	1,247.79	-464.71	519.68	467.41	52.27	9.942		
4,900.00	4,553.19	4,915.04	4,664.82	33.16	29.96	-139.79	1,280.35	-475.93	530.37	476.85	53.52	9.910		
5,000.00	4,644.52	5,014.46	4,758.09	33.93	30.64	-139.66	1,312.92	-487.15	541.05	486.28	54.77	9.879		
5,100.00	4,735.86	5,113.88	4,851.35	34.69	31.31	-139.53	1,345.48	-498.36	551.74	495.72	56.02	9.849		

CC - Min centre to center distance or convergent 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 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
5,200.00	4,827.19	5,213.30	4,944.61	35.45	31.99	-139.42	1,378.04	-509.58	562.43	505.16	57.27	9.821		
5,300.00	4,918.52	5,312.72	5,037.88	36.21	32.67	-139.30	1,410.61	-520.79	573.12	514.60	58.52	9.793		
5,400.00	5,009.85	5,412.14	5,131.14	36.98	33.35	-139.19	1,443.17	-532.01	583.82	524.05	59.77	9.767		
5,500.00	5,101.19	5,511.56	5,224.40	37.74	34.03	-139.09	1,475.74	-543.23	594.52	533.49	61.03	9.742		
5,600.00	5,192.52	5,610.98	5,317.67	38.50	34.70	-138.98	1,508.30	-554.44	605.21	542.94	62.28	9.718		
5,700.00	5,283.85	5,710.41	5,410.93	39.26	35.38	-138.89	1,540.87	-565.66	615.92	552.38	63.53	9.695		
5,800.00	5,375.18	5,809.83	5,504.20	40.03	36.06	-138.79	1,573.43	-576.87	626.62	561.83	64.78	9.672		
5,900.00	5,466.52	5,909.25	5,597.46	40.79	36.74	-138.70	1,606.00	-588.09	637.32	571.29	66.04	9.651		
6,000.00	5,557.85	6,008.67	5,690.72	41.55	37.42	-138.61	1,638.56	-599.31	648.03	580.74	67.29	9.630		
6,100.00	5,649.18	6,108.09	5,783.99	42.31	38.10	-138.52	1,671.12	-610.52	658.74	590.19	68.55	9.610		
6,200.00	5,740.51	6,207.51	5,877.25	43.08	38.77	-138.44	1,703.69	-621.74	669.44	599.65	69.80	9.591		
6,300.00	5,831.85	6,306.93	5,970.52	43.84	39.45	-138.36	1,736.25	-632.96	680.15	609.10	71.05	9.572		
6,400.00	5,923.18	6,406.35	6,063.78	44.60	40.13	-138.28	1,768.82	-644.17	690.87	618.56	72.31	9.554		
6,500.00	6,014.51	6,505.77	6,157.04	45.36	40.81	-138.21	1,801.38	-655.39	701.58	628.01	73.56	9.537		
6,600.00	6,105.85	6,605.19	6,250.31	46.13	41.49	-138.13	1,833.95	-666.60	712.29	637.47	74.82	9.520		
6,700.00	6,197.18	6,704.61	6,343.57	46.89	42.17	-138.06	1,866.51	-677.82	723.01	646.93	76.08	9.504		
6,800.00	6,288.51	6,804.03	6,436.84	47.65	42.84	-137.99	1,899.08	-689.04	733.72	656.39	77.33	9.488		
6,900.00	6,379.84	6,903.45	6,530.10	48.42	43.52	-137.92	1,931.64	-700.25	744.44	665.85	78.59	9.473		
7,000.00	6,471.18	7,002.87	6,623.36	49.18	44.20	-137.86	1,964.20	-711.47	755.16	675.32	79.84	9.458		
7,100.00	6,562.51	7,102.29	6,716.63	49.94	44.88	-137.80	1,996.77	-722.68	765.88	684.78	81.10	9.444		
7,200.00	6,653.84	7,201.71	6,809.89	50.71	45.56	-137.73	2,029.33	-733.90	776.60	694.24	82.36	9.430		
7,300.00	6,745.17	7,301.13	6,903.16	51.47	46.24	-137.67	2,061.90	-745.12	787.32	703.71	83.61	9.416		
7,400.00	6,836.51	7,400.55	6,996.42	52.23	46.92	-137.62	2,094.46	-756.33	798.04	713.17	84.87	9.403		
7,500.00	6,927.84	7,500.03	7,089.68	52.99	47.59	-137.56	2,127.03	-767.55	808.76	722.64	86.13	9.390		
7,600.00	7,019.17	7,600.61	7,182.95	53.76	48.28	-137.50	2,159.59	-778.76	819.49	732.10	87.39	9.377 SF		
7,700.00	7,110.50	7,691.56	7,276.29	54.52	48.93	-137.43	2,251.65	-770.76	826.71	739.78	88.62	9.511		
7,800.00	7,201.84	8,275.90	7,748.04	55.28	50.80	-155.78	2,355.07	-550.96	797.67	725.71	71.97	11.084		
7,900.00	7,293.16	8,407.19	7,808.37	56.05	50.80	-162.32	2,375.39	-436.46	761.23	691.86	69.37	10.973		
8,000.00	7,383.34	8,447.21	7,821.68	56.83	50.77	-148.87	2,379.79	-398.99	731.52	660.65	70.87	10.321		
8,100.00	7,469.66	8,446.38	7,821.43	57.62	50.77	-136.76	2,379.71	-399.78	713.46	640.93	72.53	9.836		
8,185.79	7,538.63	8,430.71	7,816.49	58.28	50.78	-128.02	2,378.08	-414.56	708.58	635.41	73.17	9.684		
8,200.00	7,549.48	8,427.28	7,815.36	58.39	50.78	-126.68	2,377.70	-417.77	708.71	635.53	73.18	9.684		
8,300.00	7,620.40	8,398.65	7,805.22	59.13	50.80	-117.83	2,374.33	-444.33	716.64	643.99	72.65	9.864		
8,400.00	7,680.24	8,364.47	7,791.48	59.84	50.81	-109.63	2,369.74	-475.28	735.24	663.99	71.25	10.319		
8,500.00	7,727.20	8,326.80	7,774.36	60.51	50.82	-101.93	2,363.98	-508.33	761.79	692.29	69.50	10.961		
8,600.00	7,759.84	8,286.82	7,753.99	61.13	50.81	-94.83	2,357.09	-542.03	793.42	725.51	67.90	11.685		
8,700.00	7,777.18	8,250.00	7,733.31	61.71	50.79	-88.81	2,350.07	-571.66	827.44	760.50	66.94	12.361		
8,800.00	7,780.00	8,200.00	7,702.44	62.25	50.75	-84.50	2,339.55	-609.54	862.13	795.81	66.32	12.999		
8,900.00	7,780.00	8,165.04	7,679.06	62.83	50.71	-82.92	2,331.56	-634.27	902.08	835.53	66.55	13.555		
9,000.00	7,780.00	8,131.75	7,655.53	63.50	50.66	-81.37	2,323.49	-656.38	948.36	881.21	67.15	14.123		
9,100.00	7,780.00	8,100.00	7,631.98	64.25	50.61	-79.86	2,315.41	-676.08	1,000.53	932.50	68.03	14.708		
9,200.00	7,780.00	8,076.84	7,614.18	65.08	50.55	-78.75	2,309.29	-689.57	1,058.01	988.61	69.40	15.244		
9,300.00	7,780.00	8,050.00	7,592.92	65.99	50.50	-77.45	2,301.97	-704.23	1,120.30	1,049.64	70.66	15.855		
9,400.00	7,780.00	8,033.97	7,579.93	67.00	50.45	-76.68	2,297.50	-712.48	1,186.75	1,114.41	72.35	16.404		
9,500.00	7,780.00	8,016.01	7,565.12	68.10	50.40	-75.81	2,292.39	-721.26	1,256.92	1,183.05	73.86	17.017		
9,600.00	7,780.00	8,000.00	7,551.70	69.29	50.36	-75.04	2,287.76	-728.67	1,330.30	1,254.95	75.34	17.657		
9,700.00	7,780.00	8,000.00	7,551.70	70.56	50.36	-75.04	2,287.76	-728.67	1,406.71	1,329.44	77.27	18.205		
9,800.00	7,780.00	7,972.43	7,528.16	71.93	50.27	-73.73	2,279.63	-740.49	1,485.09	1,407.02	78.07	19.023		
9,900.00	7,780.00	7,950.00	7,508.64	73.38	50.20	-72.66	2,272.89	-749.22	1,565.95	1,486.99	78.96	19.833		
10,000.00	7,780.00	7,950.00	7,508.64	74.91	50.20	-72.66	2,272.89	-749.22	1,648.41	1,567.97	80.44	20.492		
10,100.00	7,780.00	7,950.00	7,508.64	76.52	50.20	-72.66	2,272.89	-749.22	1,732.72	1,650.94	81.78	21.188		
10,200.00	7,780.00	7,931.01	7,491.86	78.21	50.13	-71.78	2,267.08	-755.97	1,818.23	1,735.78	82.45	22.052		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	7,922.74	7,484.49	79.96	50.10	-71.39	2,264.53	-758.73	1,905.10	1,821.77	83.34	22.861		
10,400.00	7,780.00	7,900.00	7,464.05	81.78	50.01	-70.35	2,257.45	-765.72	1,993.32	1,909.55	83.77	23.795		
10,500.00	7,780.00	7,900.00	7,464.05	83.66	50.01	-70.35	2,257.45	-765.72	2,082.10	1,997.39	84.70	24.581		
10,600.00	7,780.00	7,900.00	7,464.05	85.59	50.01	-70.35	2,257.45	-765.72	2,171.85	2,086.30	85.55	25.387		
10,700.00	7,780.00	7,900.00	7,464.05	87.57	50.01	-70.35	2,257.45	-765.72	2,262.46	2,176.14	86.32	26.211		
10,800.00	7,780.00	7,900.00	7,464.05	89.60	50.01	-70.35	2,257.45	-765.72	2,353.83	2,266.81	87.02	27.050		
10,900.00	7,780.00	7,900.00	7,464.05	91.67	50.01	-70.35	2,257.45	-765.72	2,445.88	2,358.22	87.66	27.903		
11,000.00	7,780.00	7,879.55	7,445.45	93.79	49.92	-69.42	2,251.01	-771.27	2,538.10	2,450.25	87.84	28.893		
11,100.00	7,780.00	7,874.92	7,441.21	95.94	49.90	-69.22	2,249.54	-772.43	2,631.07	2,542.76	88.31	29.794		
11,200.00	7,780.00	7,870.56	7,437.22	98.12	49.88	-69.02	2,248.15	-773.49	2,724.50	2,635.76	88.74	30.702		
11,300.00	7,780.00	7,850.00	7,418.28	100.33	49.79	-68.12	2,241.58	-778.05	2,818.62	2,729.77	88.85	31.722		
11,400.00	7,780.00	7,850.00	7,418.28	102.57	49.79	-68.12	2,241.58	-778.05	2,912.73	2,823.42	89.30	32.616		
11,500.00	7,780.00	7,850.00	7,418.28	104.84	49.79	-68.12	2,241.58	-778.05	3,007.22	2,917.49	89.72	33.516		
11,600.00	7,780.00	7,850.00	7,418.28	107.13	49.79	-68.12	2,241.58	-778.05	3,102.05	3,011.94	90.12	34.423		
11,700.00	7,780.00	7,850.00	7,418.28	109.44	49.79	-68.12	2,241.58	-778.05	3,197.20	3,106.72	90.48	35.336		
11,800.00	7,780.00	7,850.00	7,418.28	111.78	49.79	-68.12	2,241.58	-778.05	3,292.64	3,201.82	90.82	36.254		
11,900.00	7,780.00	7,850.00	7,418.28	114.13	49.79	-68.12	2,241.58	-778.05	3,388.34	3,297.20	91.14	37.176		
12,000.00	7,780.00	7,850.00	7,418.28	116.50	49.79	-68.12	2,241.58	-778.05	3,484.28	3,392.84	91.44	38.103		
12,100.00	7,780.00	7,850.00	7,418.28	118.89	49.79	-68.12	2,241.58	-778.05	3,580.45	3,488.72	91.73	39.034		
12,200.00	7,780.00	7,850.00	7,418.28	121.29	49.79	-68.12	2,241.58	-778.05	3,676.81	3,584.82	91.99	39.968		
12,300.00	7,780.00	7,850.00	7,418.28	123.71	49.79	-68.12	2,241.58	-778.05	3,773.37	3,681.12	92.25	40.904		
12,400.00	7,780.00	7,850.00	7,418.28	126.14	49.79	-68.12	2,241.58	-778.05	3,870.10	3,777.62	92.49	41.844		
12,500.00	7,780.00	7,850.00	7,418.28	128.58	49.79	-68.12	2,241.58	-778.05	3,967.00	3,874.28	92.72	42.786		
12,600.00	7,780.00	7,850.00	7,418.28	131.03	49.79	-68.12	2,241.58	-778.05	4,064.04	3,971.11	92.93	43.731		
12,700.00	7,780.00	7,827.17	7,397.09	133.49	49.68	-67.13	2,234.22	-782.26	4,160.72	4,067.88	92.84	44.815		
12,800.00	7,780.00	7,825.24	7,395.28	135.97	49.67	-67.05	2,233.60	-782.57	4,257.95	4,164.93	93.02	45.775		
12,900.00	7,780.00	7,823.38	7,393.55	138.45	49.66	-66.97	2,233.00	-782.87	4,355.29	4,262.10	93.19	46.736		
13,000.00	7,780.00	7,821.59	7,391.88	140.94	49.65	-66.90	2,232.42	-783.15	4,452.75	4,359.39	93.35	47.698		
13,100.00	7,780.00	7,800.00	7,371.68	143.44	49.54	-65.99	2,225.40	-786.10	4,550.69	4,457.43	93.27	48.793		
13,200.00	7,780.00	7,800.00	7,371.68	145.95	49.54	-65.99	2,225.40	-786.10	4,648.29	4,554.85	93.44	49.746		
13,300.00	7,780.00	7,800.00	7,371.68	148.47	49.54	-65.99	2,225.40	-786.10	4,745.99	4,652.38	93.61	50.700		
13,400.00	7,780.00	7,800.00	7,371.68	150.99	49.54	-65.99	2,225.40	-786.10	4,843.78	4,750.01	93.77	51.655		
13,500.00	7,780.00	7,800.00	7,371.68	153.52	49.54	-65.99	2,225.40	-786.10	4,941.66	4,847.73	93.93	52.611		
13,600.00	7,780.00	7,800.00	7,371.68	156.06	49.54	-65.99	2,225.40	-786.10	5,039.62	4,945.54	94.08	53.568		
13,700.00	7,780.00	7,800.00	7,371.68	158.60	49.54	-65.99	2,225.40	-786.10	5,137.66	5,043.44	94.22	54.525		
13,800.00	7,780.00	7,800.00	7,371.68	161.14	49.54	-65.99	2,225.40	-786.10	5,235.78	5,141.41	94.37	55.483		
13,900.00	7,780.00	7,800.00	7,371.68	163.70	49.54	-65.99	2,225.40	-786.10	5,333.96	5,239.46	94.50	56.442		
14,000.00	7,780.00	7,800.00	7,371.68	166.25	49.54	-65.99	2,225.40	-786.10	5,432.22	5,337.58	94.64	57.400		
14,100.00	7,780.00	7,800.00	7,371.68	168.81	49.54	-65.99	2,225.40	-786.10	5,530.53	5,435.76	94.77	58.359		
14,200.00	7,780.00	7,800.00	7,371.68	171.38	49.54	-65.99	2,225.40	-786.10	5,628.91	5,534.01	94.89	59.319		
14,300.00	7,780.00	7,800.00	7,371.68	173.95	49.54	-65.99	2,225.40	-786.10	5,727.34	5,632.32	95.02	60.278		
14,400.00	7,780.00	7,800.00	7,371.68	176.53	49.54	-65.99	2,225.40	-786.10	5,825.82	5,730.68	95.14	61.237		
14,500.00	7,780.00	7,800.00	7,371.68	179.10	49.54	-65.99	2,225.40	-786.10	5,924.35	5,829.10	95.25	62.196		
14,600.00	7,780.00	7,800.00	7,371.68	181.69	49.54	-65.99	2,225.40	-786.10	6,022.94	5,927.57	95.37	63.155		
14,700.00	7,780.00	7,800.00	7,371.68	184.27	49.54	-65.99	2,225.40	-786.10	6,121.57	6,026.09	95.48	64.114		
14,800.00	7,780.00	7,800.00	7,371.68	186.86	49.54	-65.99	2,225.40	-786.10	6,220.24	6,124.65	95.59	65.073		
14,900.00	7,780.00	7,800.00	7,371.68	189.45	49.54	-65.99	2,225.40	-786.10	6,318.95	6,223.26	95.70	66.032		
15,000.00	7,780.00	7,800.00	7,371.68	192.05	49.54	-65.99	2,225.40	-786.10	6,417.71	6,321.91	95.80	66.990		
15,100.00	7,780.00	7,800.00	7,371.68	194.65	49.54	-65.99	2,225.40	-786.10	6,516.50	6,420.59	95.90	67.948		
15,200.00	7,780.00	7,800.00	7,371.68	197.25	49.54	-65.99	2,225.40	-786.10	6,615.33	6,519.32	96.01	68.905		
15,300.00	7,780.00	7,800.00	7,371.68	199.85	49.54	-65.99	2,225.40	-786.10	6,714.19	6,618.08	96.11	69.862		
15,400.00	7,780.00	7,800.00	7,371.68	202.46	49.54	-65.99	2,225.40	-786.10	6,813.09	6,716.88	96.20	70.818		

CC - Min centre to center distance or convergent 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 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<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 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	
15,500.00	7,780.00	7,800.00	7,371.68	205.07	49.54	-65.99	2,225.40	-786.10	6,912.02	6,815.71	96.30	71.774	
15,600.00	7,780.00	7,800.00	7,371.68	207.68	49.54	-65.99	2,225.40	-786.10	7,010.97	6,914.58	96.40	72.730	
15,700.00	7,780.00	7,800.00	7,371.68	210.29	49.54	-65.99	2,225.40	-786.10	7,109.96	7,013.47	96.49	73.685	
15,800.00	7,780.00	7,800.00	7,371.68	212.91	49.54	-65.99	2,225.40	-786.10	7,208.98	7,112.39	96.58	74.639	
15,900.00	7,780.00	7,800.00	7,371.68	215.53	49.54	-65.99	2,225.40	-786.10	7,308.02	7,211.34	96.68	75.592	
16,000.00	7,780.00	7,800.00	7,371.68	218.15	49.54	-65.99	2,225.40	-786.10	7,407.09	7,310.32	96.77	76.545	
16,100.00	7,780.00	7,800.00	7,371.68	220.77	49.54	-65.99	2,225.40	-786.10	7,506.18	7,409.32	96.86	77.497	
16,200.00	7,780.00	7,800.00	7,371.68	223.39	49.54	-65.99	2,225.40	-786.10	7,605.30	7,508.35	96.95	78.448	
16,300.00	7,780.00	7,800.00	7,371.68	226.02	49.54	-65.99	2,225.40	-786.10	7,704.44	7,607.40	97.03	79.399	
16,400.00	7,780.00	7,800.00	7,371.68	228.65	49.54	-65.99	2,225.40	-786.10	7,803.60	7,706.48	97.12	80.348	
16,500.00	7,780.00	7,800.00	7,371.68	231.28	49.54	-65.99	2,225.40	-786.10	7,902.78	7,805.57	97.21	81.297	
16,600.00	7,780.00	7,800.00	7,371.68	233.91	49.54	-65.99	2,225.40	-786.10	8,001.98	7,904.69	97.29	82.245	
16,700.00	7,780.00	7,800.00	7,371.68	236.54	49.54	-65.99	2,225.40	-786.10	8,101.21	8,003.83	97.38	83.192	
16,800.00	7,780.00	7,800.00	7,371.68	239.17	49.54	-65.99	2,225.40	-786.10	8,200.45	8,102.98	97.46	84.138	
16,900.00	7,780.00	7,800.00	7,371.68	241.81	49.54	-65.99	2,225.40	-786.10	8,299.71	8,202.16	97.55	85.083	
17,000.00	7,780.00	7,800.00	7,371.68	244.44	49.54	-65.99	2,225.40	-786.10	8,398.98	8,301.35	97.63	86.028	
17,100.00	7,780.00	7,800.00	7,371.68	247.08	49.54	-65.99	2,225.40	-786.10	8,498.28	8,400.56	97.71	86.971	
17,200.00	7,780.00	7,800.00	7,371.68	249.72	49.54	-65.99	2,225.40	-786.10	8,597.59	8,499.79	97.80	87.913	
17,300.00	7,780.00	7,800.00	7,371.68	252.36	49.54	-65.99	2,225.40	-786.10	8,696.92	8,599.04	97.88	88.854	
17,400.00	7,780.00	7,800.00	7,371.68	255.00	49.54	-65.99	2,225.40	-786.10	8,796.26	8,698.30	97.96	89.794	
17,500.00	7,780.00	7,800.00	7,371.68	257.65	49.54	-65.99	2,225.40	-786.10	8,895.61	8,797.57	98.04	90.733	
17,600.00	7,780.00	7,800.00	7,371.68	260.29	49.54	-65.99	2,225.40	-786.10	8,994.98	8,896.86	98.12	91.671	
17,700.00	7,780.00	7,800.00	7,371.68	262.94	49.54	-65.99	2,225.40	-786.10	9,094.37	8,996.17	98.20	92.608	
17,800.00	7,780.00	7,800.00	7,371.68	265.58	49.54	-65.99	2,225.40	-786.10	9,193.77	9,095.48	98.28	93.544	
17,900.00	7,780.00	7,800.00	7,371.68	268.23	49.54	-65.99	2,225.40	-786.10	9,293.18	9,194.81	98.36	94.478	
18,000.00	7,780.00	7,800.00	7,371.68	270.88	49.54	-65.99	2,225.40	-786.10	9,392.60	9,294.16	98.44	95.411	
18,100.00	7,780.00	7,800.00	7,371.68	273.53	49.54	-65.99	2,225.40	-786.10	9,492.04	9,393.51	98.52	96.344	
18,200.00	7,780.00	7,800.00	7,371.68	276.18	49.54	-65.99	2,225.40	-786.10	9,591.48	9,492.88	98.60	97.275	
18,300.00	7,780.00	7,776.59	7,349.68	278.83	49.41	-65.04	2,217.74	-788.39	9,690.44	9,591.97	98.47	98.411	
18,400.00	7,780.00	7,776.18	7,349.29	281.48	49.41	-65.02	2,217.61	-788.42	9,789.89	9,691.34	98.55	99.344	
18,500.00	7,780.00	7,775.78	7,348.92	284.13	49.41	-65.00	2,217.48	-788.45	9,889.35	9,790.73	98.62	100.276	
18,600.00	7,780.00	7,775.39	7,348.55	286.79	49.41	-64.99	2,217.35	-788.48	9,988.82	9,890.13	98.70	101.207	

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	0.50	-0.50	0.00	0.00	-179.73	-119.84	-0.56	119.85					
100.00	100.00	100.50	99.50	0.13	0.14	-179.73	-119.84	-0.56	119.85	119.58	0.27	442.813	CC, ES	
200.00	199.98	200.52	199.48	0.49	0.49	-173.86	-119.84	-0.56	121.58	120.59	0.99	122.704		
300.00	299.84	299.34	299.34	0.86	0.85	-174.10	-119.84	-0.56	126.79	125.07	1.71	73.974		
400.00	399.45	403.37	403.35	1.23	1.22	-174.16	-118.15	-1.34	133.83	131.38	2.45	54.670		
500.00	498.70	507.66	507.48	1.63	1.60	-173.72	-113.00	-3.68	141.04	137.85	3.19	44.260		
600.00	597.47	612.14	611.53	2.04	1.99	-172.86	-104.38	-7.60	148.42	144.49	3.93	37.747		
700.00	695.62	716.80	715.33	2.49	2.39	-171.64	-92.30	-13.11	156.02	151.33	4.69	33.277		
800.00	793.06	821.61	818.73	2.97	2.82	-170.11	-76.75	-20.19	163.89	158.43	5.46	30.006		
900.00	889.64	926.53	921.55	3.49	3.28	-168.33	-57.74	-28.85	172.09	165.83	6.26	27.494		
1,000.00	985.27	1,031.56	1,023.63	4.05	3.78	-166.34	-35.30	-39.07	180.70	173.60	7.09	25.477		
1,100.00	1,079.82	1,135.86	1,124.06	4.65	4.31	-164.19	-9.69	-50.73	189.81	181.85	7.96	23.840		
1,200.00	1,173.17	1,235.01	1,219.15	5.29	4.84	-162.39	15.85	-62.36	201.34	192.47	8.87	22.689		
1,300.00	1,265.21	1,333.78	1,313.88	5.99	5.39	-161.05	41.30	-73.95	216.30	206.49	9.81	22.047		
1,400.00	1,356.55	1,432.30	1,408.38	6.71	5.94	-160.12	66.68	-85.51	233.02	222.26	10.76	21.649		
1,500.00	1,447.88	1,530.83	1,502.88	7.44	6.49	-159.31	92.06	-97.07	249.79	238.06	11.73	21.295		
1,600.00	1,539.21	1,629.36	1,597.37	8.17	7.06	-158.61	117.43	-108.63	266.61	253.90	12.71	20.975		
1,700.00	1,630.55	1,727.88	1,691.87	8.91	7.62	-157.99	142.81	-120.19	283.46	269.76	13.70	20.687		
1,800.00	1,721.88	1,826.41	1,786.37	9.65	8.19	-157.44	168.19	-131.74	300.33	285.63	14.70	20.426		
1,900.00	1,813.21	1,924.94	1,880.87	10.40	8.76	-156.95	193.57	-143.30	317.24	301.52	15.71	20.190		
2,000.00	1,904.54	2,023.46	1,975.36	11.15	9.33	-156.50	218.95	-154.86	334.16	317.43	16.73	19.975		
2,100.00	1,995.88	2,121.99	2,069.86	11.90	9.90	-156.10	244.33	-166.42	351.10	333.35	17.75	19.780		
2,200.00	2,087.21	2,220.52	2,164.36	12.65	10.48	-155.74	269.71	-177.98	368.05	349.27	18.78	19.601		
2,300.00	2,178.54	2,319.04	2,258.86	13.41	11.05	-155.41	295.09	-189.54	385.02	365.21	19.81	19.438		
2,400.00	2,269.87	2,417.57	2,353.36	14.16	11.63	-155.11	320.47	-201.10	402.00	381.16	20.84	19.288		
2,500.00	2,361.21	2,516.10	2,447.85	14.92	12.21	-154.83	345.85	-212.66	418.99	397.11	21.88	19.149		
2,600.00	2,452.54	2,614.62	2,542.35	15.67	12.79	-154.57	371.23	-224.21	435.98	413.06	22.92	19.021		
2,700.00	2,543.87	2,713.15	2,636.85	16.43	13.37	-154.33	396.61	-235.77	452.99	429.03	23.96	18.903		
2,800.00	2,635.20	2,811.68	2,731.35	17.19	13.95	-154.11	421.99	-247.33	470.00	444.99	25.01	18.793		
2,900.00	2,726.54	2,910.20	2,825.84	17.95	14.53	-153.91	447.37	-258.89	487.02	460.96	26.06	18.691		
3,000.00	2,817.87	3,008.73	2,920.34	18.71	15.11	-153.72	472.75	-270.45	504.05	476.94	27.11	18.595		
3,100.00	2,909.20	3,107.26	3,014.84	19.47	15.69	-153.54	498.13	-282.01	521.08	492.92	28.16	18.506		
3,200.00	3,000.54	3,205.78	3,109.34	20.22	16.27	-153.37	523.51	-293.57	538.11	508.90	29.21	18.422		
3,300.00	3,091.87	3,304.31	3,203.83	20.98	16.85	-153.22	548.89	-305.13	555.15	524.89	30.26	18.344		
3,400.00	3,183.20	3,402.84	3,298.33	21.74	17.43	-153.07	574.27	-316.68	572.19	540.87	31.32	18.270		
3,500.00	3,274.53	3,501.36	3,392.83	22.50	18.01	-152.93	599.65	-328.24	589.24	556.86	32.37	18.201		
3,600.00	3,365.87	3,600.11	3,487.33	23.27	18.60	-152.80	625.03	-339.80	606.29	572.85	33.43	18.135		
3,700.00	3,457.20	3,698.42	3,581.82	24.03	19.18	-152.67	650.41	-351.36	623.34	588.85	34.49	18.073		
3,800.00	3,548.53	3,796.94	3,676.32	24.79	19.76	-152.56	675.79	-362.92	640.39	604.84	35.55	18.015		
3,900.00	3,639.86	3,904.53	3,770.82	25.55	20.40	-152.44	701.17	-374.48	657.45	620.79	36.65	17.937		
4,000.00	3,731.20	4,006.00	3,865.32	26.31	21.00	-152.34	726.55	-386.04	674.51	636.78	37.73	17.878		
4,100.00	3,822.53	4,107.48	3,959.81	27.07	21.60	-152.24	751.93	-397.60	691.57	652.76	38.81	17.821		
4,200.00	3,913.86	4,208.95	4,054.31	27.83	22.20	-152.14	777.31	-409.15	708.63	668.75	39.88	17.768		
4,300.00	4,005.19	4,289.58	4,148.81	28.59	22.67	-152.05	802.69	-420.71	725.70	684.85	40.85	17.764		
4,400.00	4,096.53	4,388.10	4,243.31	29.35	23.26	-151.96	828.07	-432.27	742.76	700.85	41.92	17.721		
4,500.00	4,187.86	4,486.63	4,337.80	30.12	23.84	-151.88	853.45	-443.83	759.83	716.85	42.98	17.679		
4,600.00	4,279.19	4,585.16	4,432.30	30.88	24.42	-151.80	878.82	-455.39	776.90	732.86	44.04	17.640		
4,700.00	4,370.52	4,683.68	4,526.80	31.64	25.01	-151.73	904.20	-466.95	793.97	748.87	45.11	17.602		
4,800.00	4,461.86	4,782.21	4,621.30	32.40	25.59	-151.65	929.58	-478.51	811.05	764.88	46.17	17.566		
4,900.00	4,553.19	4,880.74	4,715.79	33.16	26.18	-151.58	954.96	-490.07	828.12	780.89	47.24	17.532		
5,000.00	4,644.52	4,979.26	4,810.29	33.93	26.76	-151.52	980.34	-501.62	845.20	796.90	48.30	17.499		
5,100.00	4,735.86	5,077.79	4,904.79	34.69	27.34	-151.45	1,005.72	-513.18	862.27	812.91	49.37	17.467		

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 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
5,200.00	4,827.19	5,176.32	4,999.29	35.45	27.93	-151.39	1,031.10	-524.74	879.35	828.92	50.43	17.436		
5,300.00	4,918.52	5,274.84	5,093.78	36.21	28.51	-151.33	1,056.48	-536.30	896.43	844.93	51.50	17.407		
5,400.00	5,009.85	5,373.37	5,188.28	36.98	29.09	-151.27	1,081.86	-547.86	913.51	860.94	52.57	17.379		
5,500.00	5,101.19	5,471.90	5,282.78	37.74	29.68	-151.22	1,107.24	-559.42	930.59	876.95	53.63	17.351		
5,600.00	5,192.52	5,570.42	5,377.28	38.50	30.26	-151.16	1,132.62	-570.98	947.67	892.97	54.70	17.325		
5,700.00	5,283.85	5,668.95	5,471.77	39.26	30.85	-151.11	1,158.00	-582.54	964.75	908.98	55.77	17.300		
5,800.00	5,375.18	5,767.48	5,566.27	40.03	31.43	-151.06	1,183.38	-594.09	981.83	925.00	56.83	17.275		
5,900.00	5,466.52	5,866.00	5,660.77	40.79	32.02	-151.02	1,208.76	-605.65	998.91	941.01	57.90	17.252		
6,000.00	5,557.85	5,964.53	5,755.27	41.55	32.60	-150.97	1,234.14	-617.21	1,016.00	957.03	58.97	17.229		
6,100.00	5,649.18	6,063.06	5,849.76	42.31	33.18	-150.93	1,259.52	-628.77	1,033.08	973.04	60.04	17.207		
6,200.00	5,740.51	6,161.58	5,944.26	43.08	33.77	-150.88	1,284.90	-640.33	1,050.17	989.06	61.11	17.186		
6,300.00	5,831.85	6,260.11	6,038.76	43.84	34.35	-150.84	1,310.28	-651.89	1,067.25	1,005.08	62.17	17.165		
6,400.00	5,923.18	6,358.64	6,133.26	44.60	34.94	-150.80	1,335.66	-663.45	1,084.34	1,021.09	63.24	17.145		
6,500.00	6,014.51	6,457.16	6,227.75	45.36	35.52	-150.76	1,361.04	-675.01	1,101.42	1,037.11	64.31	17.126		
6,600.00	6,105.85	6,555.69	6,322.25	46.13	36.11	-150.72	1,386.42	-686.56	1,118.51	1,053.13	65.38	17.108		
6,700.00	6,197.18	6,654.22	6,416.75	46.89	36.69	-150.69	1,411.80	-698.12	1,135.60	1,069.15	66.45	17.089		
6,800.00	6,288.51	6,752.75	6,511.25	47.65	37.28	-150.65	1,437.18	-709.68	1,152.68	1,085.16	67.52	17.072		
6,900.00	6,379.84	6,851.27	6,605.74	48.42	37.86	-150.61	1,462.56	-721.24	1,169.77	1,101.18	68.59	17.055		
7,000.00	6,471.18	6,949.80	6,700.24	49.18	38.44	-150.58	1,487.94	-732.80	1,186.86	1,117.20	69.66	17.038		
7,100.00	6,562.51	7,048.33	6,794.74	49.94	39.03	-150.55	1,513.32	-744.36	1,203.95	1,133.22	70.73	17.022		
7,200.00	6,653.84	7,146.85	6,889.24	50.71	39.61	-150.52	1,538.70	-755.92	1,221.04	1,149.24	71.80	17.006		
7,300.00	6,745.17	7,245.38	6,983.73	51.47	40.20	-150.49	1,564.08	-767.48	1,238.13	1,165.26	72.87	16.991		
7,400.00	6,836.51	7,343.91	7,078.23	52.23	40.78	-150.45	1,589.46	-779.03	1,255.22	1,181.28	73.94	16.976		
7,500.00	6,927.84	7,500.00	7,211.00	52.99	41.68	-150.54	1,625.07	-792.26	1,271.77	1,196.44	75.33	16.883 SF		
7,600.00	7,019.17	7,990.08	7,645.49	53.76	42.81	-161.02	1,738.24	-592.80	1,267.48	1,197.61	69.87	18.140		
7,700.00	7,110.50	8,149.44	7,728.69	54.52	42.73	-167.32	1,758.58	-459.03	1,255.22	1,186.88	68.34	18.368		
7,800.00	7,201.84	8,217.07	7,752.61	55.28	42.65	-170.26	1,764.08	-396.05	1,247.45	1,178.71	68.74	18.147		
7,862.62	7,259.01	8,241.33	7,759.42	55.76	42.62	-169.48	1,765.57	-372.81	1,246.03	1,176.89	69.14	18.021		
7,900.00	7,293.16	8,253.22	7,762.40	56.05	42.60	-168.84	1,766.21	-361.32	1,246.59	1,177.23	69.36	17.972		
8,000.00	7,383.34	8,263.40	7,764.78	56.83	42.58	-149.00	1,766.70	-351.43	1,252.99	1,183.21	69.78	17.957		
8,100.00	7,469.66	8,253.91	7,762.57	57.62	42.60	-133.31	1,766.24	-360.65	1,266.50	1,196.70	69.80	18.144		
8,200.00	7,549.48	8,233.09	7,757.21	58.39	42.63	-121.35	1,765.09	-380.74	1,286.20	1,216.76	69.44	18.522		
8,300.00	7,620.40	8,205.27	7,748.96	59.13	42.66	-111.85	1,763.26	-407.23	1,310.62	1,241.85	68.77	19.057		
8,400.00	7,680.24	8,172.89	7,737.80	59.84	42.70	-103.99	1,760.70	-437.52	1,338.05	1,270.12	67.93	19.697		
8,500.00	7,727.20	8,137.40	7,723.69	60.51	42.74	-97.40	1,757.39	-469.91	1,366.77	1,299.73	67.04	20.386		
8,600.00	7,759.84	8,100.00	7,706.77	61.13	42.77	-91.97	1,753.34	-503.01	1,395.17	1,328.92	66.24	21.061		
8,700.00	7,777.18	8,060.50	7,686.67	61.71	42.79	-87.66	1,748.44	-536.65	1,421.77	1,356.14	65.63	21.662		
8,800.00	7,780.00	8,020.56	7,664.13	62.25	42.81	-85.27	1,742.88	-569.13	1,446.00	1,380.74	65.26	22.158		
8,900.00	7,780.00	7,983.76	7,641.47	62.83	42.81	-84.37	1,737.23	-597.57	1,473.20	1,408.16	65.04	22.650		
9,000.00	7,780.00	7,950.00	7,619.18	63.50	42.80	-83.50	1,731.63	-622.29	1,504.82	1,439.87	64.95	23.168		
9,100.00	7,780.00	7,921.02	7,598.95	64.25	42.79	-82.72	1,726.51	-642.40	1,540.84	1,475.81	65.04	23.692		
9,200.00	7,780.00	7,900.00	7,583.68	65.08	42.78	-82.13	1,722.63	-656.32	1,581.20	1,515.86	65.34	24.199		
9,300.00	7,780.00	7,870.41	7,561.38	65.99	42.75	-81.28	1,716.94	-674.90	1,625.67	1,560.06	65.61	24.778		
9,400.00	7,780.00	7,850.00	7,545.47	67.00	42.73	-80.68	1,712.86	-687.02	1,674.14	1,608.03	66.10	25.326		
9,500.00	7,780.00	7,829.32	7,528.94	68.10	42.70	-80.07	1,708.61	-698.69	1,726.35	1,659.70	66.66	25.899		
9,600.00	7,780.00	7,800.00	7,504.83	69.29	42.66	-79.18	1,702.39	-714.16	1,782.20	1,715.11	67.09	26.565		
9,700.00	7,780.00	7,800.00	7,504.83	70.56	42.66	-79.18	1,702.39	-714.16	1,841.10	1,773.01	68.09	27.039		
9,800.00	7,780.00	7,781.01	7,488.82	71.93	42.62	-78.60	1,698.25	-723.50	1,903.11	1,834.36	68.75	27.681		
9,900.00	7,780.00	7,767.66	7,477.39	73.38	42.60	-78.19	1,695.29	-729.73	1,967.94	1,898.42	69.51	28.311		
10,000.00	7,780.00	7,750.00	7,462.06	74.91	42.56	-77.64	1,691.31	-737.55	2,035.35	1,965.17	70.18	29.002		
10,100.00	7,780.00	7,750.00	7,462.06	76.52	42.56	-77.64	1,691.31	-737.55	2,105.09	2,033.95	71.14	29.589		
10,200.00	7,780.00	7,750.00	7,462.06	78.21	42.56	-77.64	1,691.31	-737.55	2,177.19	2,105.12	72.07	30.210		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 2-T4S-R65W - PROSPER FARMS 4-65 2-1-6 2AH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,300.00	7,780.00	7,724.28	7,439.35	79.96	42.50	-76.84	1,685.39	-748.06	2,250.82	2,178.29	72.52	31.037		
10,400.00	7,780.00	7,700.00	7,417.51	81.78	42.44	-76.08	1,679.69	-757.00	2,326.70	2,253.73	72.97	31.884		
10,500.00	7,780.00	7,700.00	7,417.51	83.66	42.44	-76.08	1,679.69	-757.00	2,403.84	2,330.05	73.79	32.576		
10,600.00	7,780.00	7,700.00	7,417.51	85.59	42.44	-76.08	1,679.69	-757.00	2,482.61	2,408.04	74.57	33.294		
10,700.00	7,780.00	7,700.00	7,417.51	87.57	42.44	-76.08	1,679.69	-757.00	2,562.86	2,487.57	75.29	34.038		
10,800.00	7,780.00	7,700.00	7,417.51	89.60	42.44	-76.08	1,679.69	-757.00	2,644.46	2,568.48	75.98	34.805		
10,900.00	7,780.00	7,679.54	7,398.84	91.67	42.38	-75.44	1,674.80	-763.79	2,726.88	2,650.54	76.34	35.721		
11,000.00	7,780.00	7,673.70	7,393.46	93.79	42.37	-75.26	1,673.39	-765.60	2,810.56	2,733.69	76.88	36.560		
11,100.00	7,780.00	7,650.00	7,371.50	95.94	42.30	-74.52	1,667.63	-772.36	2,895.53	2,818.39	77.14	37.534		
11,200.00	7,780.00	7,650.00	7,371.50	98.12	42.30	-74.52	1,667.63	-772.36	2,980.94	2,903.24	77.70	38.364		
11,300.00	7,780.00	7,650.00	7,371.50	100.33	42.30	-74.52	1,667.63	-772.36	3,067.22	2,988.99	78.23	39.210		
11,400.00	7,780.00	7,650.00	7,371.50	102.57	42.30	-74.52	1,667.63	-772.36	3,154.31	3,075.59	78.72	40.070		
11,500.00	7,780.00	7,650.00	7,371.50	104.84	42.30	-74.52	1,667.63	-772.36	3,242.15	3,162.97	79.19	40.944		
11,600.00	7,780.00	7,650.00	7,371.50	107.13	42.30	-74.52	1,667.63	-772.36	3,330.68	3,251.05	79.63	41.829		
11,700.00	7,780.00	7,650.00	7,371.50	109.44	42.30	-74.52	1,667.63	-772.36	3,419.84	3,339.80	80.04	42.726		
11,800.00	7,780.00	7,650.00	7,371.50	111.78	42.30	-74.52	1,667.63	-772.36	3,509.58	3,429.14	80.43	43.633		
11,900.00	7,780.00	7,650.00	7,371.50	114.13	42.30	-74.52	1,667.63	-772.36	3,599.86	3,519.06	80.81	44.550		
12,000.00	7,780.00	7,650.00	7,371.50	116.50	42.30	-74.52	1,667.63	-772.36	3,690.64	3,609.49	81.16	45.475		
12,100.00	7,780.00	7,627.40	7,350.32	118.89	42.22	-73.81	1,662.05	-777.93	3,781.41	3,700.14	81.26	46.533		
12,200.00	7,780.00	7,624.35	7,347.45	121.29	42.21	-73.72	1,661.30	-778.62	3,872.95	3,791.39	81.56	47.488		
12,300.00	7,780.00	7,621.44	7,344.70	123.71	42.20	-73.63	1,660.57	-779.25	3,964.88	3,883.05	81.84	48.449		
12,400.00	7,780.00	7,600.00	7,324.38	126.14	42.12	-72.97	1,655.21	-783.52	4,057.51	3,975.59	81.93	49.526		
12,500.00	7,780.00	7,600.00	7,324.38	128.58	42.12	-72.97	1,655.21	-783.52	4,150.07	4,067.86	82.21	50.481		
12,600.00	7,780.00	7,600.00	7,324.38	131.03	42.12	-72.97	1,655.21	-783.52	4,242.96	4,160.48	82.48	51.441		
12,700.00	7,780.00	7,600.00	7,324.38	133.49	42.12	-72.97	1,655.21	-783.52	4,336.17	4,253.43	82.74	52.406		
12,800.00	7,780.00	7,600.00	7,324.38	135.97	42.12	-72.97	1,655.21	-783.52	4,429.68	4,346.69	82.99	53.376		
12,900.00	7,780.00	7,600.00	7,324.38	138.45	42.12	-72.97	1,655.21	-783.52	4,523.46	4,440.23	83.23	54.350		
13,000.00	7,780.00	7,600.00	7,324.38	140.94	42.12	-72.97	1,655.21	-783.52	4,617.51	4,534.05	83.46	55.328		
13,100.00	7,780.00	7,600.00	7,324.38	143.44	42.12	-72.97	1,655.21	-783.52	4,711.80	4,628.12	83.68	56.310		
13,200.00	7,780.00	7,600.00	7,324.38	145.95	42.12	-72.97	1,655.21	-783.52	4,806.32	4,722.43	83.89	57.295		
13,300.00	7,780.00	7,600.00	7,324.38	148.47	42.12	-72.97	1,655.21	-783.52	4,901.05	4,816.96	84.09	58.284		
13,400.00	7,780.00	7,600.00	7,324.38	150.99	42.12	-72.97	1,655.21	-783.52	4,996.00	4,911.71	84.29	59.275		
13,500.00	7,780.00	7,600.00	7,324.38	153.52	42.12	-72.97	1,655.21	-783.52	5,091.13	5,006.66	84.47	60.269		
13,600.00	7,780.00	7,600.00	7,324.38	156.06	42.12	-72.97	1,655.21	-783.52	5,186.45	5,101.80	84.66	61.265		
13,700.00	7,780.00	7,600.00	7,324.38	158.60	42.12	-72.97	1,655.21	-783.52	5,281.95	5,197.11	84.83	62.263		
13,800.00	7,780.00	7,600.00	7,324.38	161.14	42.12	-72.97	1,655.21	-783.52	5,377.60	5,292.60	85.00	63.264		
13,900.00	7,780.00	7,600.00	7,324.38	163.70	42.12	-72.97	1,655.21	-783.52	5,473.41	5,388.25	85.17	64.266		
14,000.00	7,780.00	7,600.00	7,324.38	166.25	42.12	-72.97	1,655.21	-783.52	5,569.37	5,484.05	85.33	65.270		
14,100.00	7,780.00	7,600.00	7,324.38	168.81	42.12	-72.97	1,655.21	-783.52	5,665.47	5,579.99	85.48	66.275		
14,200.00	7,780.00	7,600.00	7,324.38	171.38	42.12	-72.97	1,655.21	-783.52	5,761.70	5,676.07	85.63	67.282		
14,300.00	7,780.00	7,600.00	7,324.38	173.95	42.12	-72.97	1,655.21	-783.52	5,858.06	5,772.28	85.78	68.290		
14,400.00	7,780.00	7,600.00	7,324.38	176.53	42.12	-72.97	1,655.21	-783.52	5,954.54	5,868.62	85.93	69.299		
14,500.00	7,780.00	7,600.00	7,324.38	179.10	42.12	-72.97	1,655.21	-783.52	6,051.13	5,965.07	86.06	70.309		
14,600.00	7,780.00	7,600.00	7,324.38	181.69	42.12	-72.97	1,655.21	-783.52	6,147.83	6,061.63	86.20	71.320		
14,700.00	7,780.00	7,577.30	7,302.72	184.27	42.03	-72.27	1,649.48	-787.17	6,244.16	6,157.98	86.18	72.455		
14,800.00	7,780.00	7,576.13	7,301.60	186.86	42.02	-72.23	1,649.18	-787.34	6,341.01	6,254.71	86.30	73.474		
14,900.00	7,780.00	7,574.99	7,300.51	189.45	42.02	-72.20	1,648.89	-787.50	6,437.96	6,351.54	86.42	74.492		
15,000.00	7,780.00	7,573.89	7,299.46	192.05	42.01	-72.17	1,648.61	-787.65	6,535.00	6,448.45	86.54	75.511		
15,100.00	7,780.00	7,572.81	7,298.43	194.65	42.01	-72.13	1,648.34	-787.79	6,632.12	6,545.46	86.66	76.531		
15,200.00	7,780.00	7,550.00	7,276.53	197.25	41.92	-71.44	1,642.53	-790.39	6,729.77	6,643.13	86.63	77.681		
15,300.00	7,780.00	7,550.00	7,276.53	199.85	41.92	-71.44	1,642.53	-790.39	6,827.01	6,740.26	86.75	78.695		
15,400.00	7,780.00	7,550.00	7,276.53	202.46	41.92	-71.44	1,642.53	-790.39	6,924.33	6,837.46	86.87	79.708		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
15,500.00	7,780.00	7,550.00	7,276.53	205.07	41.92	-71.44	1,642.53	-790.39	7,021.73	6,934.74	86.99	80.722		
15,600.00	7,780.00	7,550.00	7,276.53	207.68	41.92	-71.44	1,642.53	-790.39	7,119.20	7,032.10	87.10	81.735		
15,700.00	7,780.00	7,550.00	7,276.53	210.29	41.92	-71.44	1,642.53	-790.39	7,216.74	7,129.53	87.21	82.749		
15,800.00	7,780.00	7,550.00	7,276.53	212.91	41.92	-71.44	1,642.53	-790.39	7,314.35	7,227.02	87.32	83.762		
15,900.00	7,780.00	7,550.00	7,276.53	215.53	41.92	-71.44	1,642.53	-790.39	7,412.01	7,324.58	87.43	84.775		
16,000.00	7,780.00	7,550.00	7,276.53	218.15	41.92	-71.44	1,642.53	-790.39	7,509.75	7,422.21	87.54	85.788		
16,100.00	7,780.00	7,550.00	7,276.53	220.77	41.92	-71.44	1,642.53	-790.39	7,607.53	7,519.89	87.64	86.800		
16,200.00	7,780.00	7,550.00	7,276.53	223.39	41.92	-71.44	1,642.53	-790.39	7,705.38	7,617.63	87.75	87.812		
16,300.00	7,780.00	7,550.00	7,276.53	226.02	41.92	-71.44	1,642.53	-790.39	7,803.28	7,715.43	87.85	88.824		
16,400.00	7,780.00	7,550.00	7,276.53	228.65	41.92	-71.44	1,642.53	-790.39	7,901.24	7,813.28	87.95	89.835		
16,500.00	7,780.00	7,550.00	7,276.53	231.28	41.92	-71.44	1,642.53	-790.39	7,999.24	7,911.19	88.05	90.846		
16,600.00	7,780.00	7,550.00	7,276.53	233.91	41.92	-71.44	1,642.53	-790.39	8,097.29	8,009.14	88.15	91.856		
16,700.00	7,780.00	7,550.00	7,276.53	236.54	41.92	-71.44	1,642.53	-790.39	8,195.39	8,107.14	88.25	92.865		
16,800.00	7,780.00	7,550.00	7,276.53	239.17	41.92	-71.44	1,642.53	-790.39	8,293.54	8,205.19	88.35	93.874		
16,900.00	7,780.00	7,550.00	7,276.53	241.81	41.92	-71.44	1,642.53	-790.39	8,391.73	8,303.28	88.44	94.882		
17,000.00	7,780.00	7,550.00	7,276.53	244.44	41.92	-71.44	1,642.53	-790.39	8,489.96	8,401.42	88.54	95.889		
17,100.00	7,780.00	7,550.00	7,276.53	247.08	41.92	-71.44	1,642.53	-790.39	8,588.23	8,499.60	88.63	96.895		
17,200.00	7,780.00	7,550.00	7,276.53	249.72	41.92	-71.44	1,642.53	-790.39	8,686.54	8,597.82	88.73	97.901		
17,300.00	7,780.00	7,550.00	7,276.53	252.36	41.92	-71.44	1,642.53	-790.39	8,784.89	8,696.07	88.82	98.905		
17,400.00	7,780.00	7,550.00	7,276.53	255.00	41.92	-71.44	1,642.53	-790.39	8,883.28	8,794.37	88.91	99.909		
17,500.00	7,780.00	7,550.00	7,276.53	257.65	41.92	-71.44	1,642.53	-790.39	8,981.70	8,892.70	89.01	100.912		
17,600.00	7,780.00	7,550.00	7,276.53	260.29	41.92	-71.44	1,642.53	-790.39	9,080.16	8,991.06	89.10	101.914		
17,700.00	7,780.00	7,550.00	7,276.53	262.94	41.92	-71.44	1,642.53	-790.39	9,178.65	9,089.46	89.19	102.914		
17,800.00	7,780.00	7,550.00	7,276.53	265.58	41.92	-71.44	1,642.53	-790.39	9,277.17	9,187.89	89.28	103.914		
17,900.00	7,780.00	7,550.00	7,276.53	268.23	41.92	-71.44	1,642.53	-790.39	9,375.73	9,286.36	89.37	104.913		
18,000.00	7,780.00	7,550.00	7,276.53	270.88	41.92	-71.44	1,642.53	-790.39	9,474.31	9,384.85	89.46	105.910		
18,100.00	7,780.00	7,550.00	7,276.53	273.53	41.92	-71.44	1,642.53	-790.39	9,572.92	9,483.38	89.54	106.907		
18,200.00	7,780.00	7,550.00	7,276.53	276.18	41.92	-71.44	1,642.53	-790.39	9,671.56	9,581.93	89.63	107.902		
18,300.00	7,780.00	7,550.00	7,276.53	278.83	41.92	-71.44	1,642.53	-790.39	9,770.23	9,680.51	89.72	108.896		
18,400.00	7,780.00	7,550.00	7,276.53	281.48	41.92	-71.44	1,642.53	-790.39	9,868.93	9,779.12	89.81	109.889		
18,500.00	7,780.00	7,550.00	7,276.53	284.13	41.92	-71.44	1,642.53	-790.39	9,967.65	9,877.76	89.90	110.880		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	0.40	-0.40	0.00	0.00	-179.77	-139.88	-0.56	139.88					
100.00	100.00	100.40	99.60	0.13	0.14	-179.77	-139.88	-0.56	139.88	139.61	0.27	517.524	CC, ES	
200.00	199.98	200.42	199.58	0.49	0.49	-173.88	-139.88	-0.56	141.62	140.63	0.99	142.975		
300.00	299.84	300.56	299.44	0.86	0.85	-174.09	-139.88	-0.56	146.82	145.10	1.72	85.444		
400.00	399.45	399.05	399.05	1.23	1.21	-174.40	-139.88	-0.56	155.49	153.05	2.44	63.699		
500.00	498.70	503.34	503.32	1.63	1.58	-174.46	-138.33	-1.59	166.14	162.96	3.18	52.292		
600.00	597.47	607.95	607.77	2.04	1.96	-173.94	-133.60	-4.74	177.21	173.29	3.92	45.212		
700.00	695.62	712.78	712.16	2.49	2.34	-172.95	-125.68	-10.01	188.74	184.06	4.67	40.398		
800.00	793.06	817.80	816.32	2.97	2.74	-171.57	-114.56	-17.41	200.78	195.34	5.44	36.912		
900.00	889.64	922.94	920.04	3.49	3.17	-169.88	-100.25	-26.93	213.43	207.20	6.23	34.263		
1,000.00	985.27	1,027.55	1,022.55	4.05	3.62	-167.95	-82.89	-38.47	226.78	219.74	7.05	32.180		
1,100.00	1,079.82	1,126.08	1,118.79	4.65	4.07	-166.27	-65.32	-50.16	242.56	234.67	7.88	30.770		
1,200.00	1,173.17	1,224.07	1,214.50	5.29	4.52	-164.96	-47.85	-61.78	261.81	253.07	8.74	29.951		
1,300.00	1,265.21	1,321.39	1,309.57	5.99	4.98	-163.99	-30.50	-73.33	284.44	274.83	9.61	29.586		
1,400.00	1,356.55	1,418.32	1,404.25	6.71	5.45	-163.36	-13.21	-84.83	308.80	298.31	10.50	29.423		
1,500.00	1,447.88	1,515.26	1,498.94	7.44	5.92	-162.83	4.07	-96.32	333.19	321.81	11.38	29.270		
1,600.00	1,539.21	1,612.20	1,593.63	8.17	6.39	-162.37	21.35	-107.82	357.61	345.32	12.28	29.118		
1,700.00	1,630.55	1,709.13	1,688.32	8.91	6.86	-161.97	38.64	-119.32	382.04	368.85	13.19	28.971		
1,800.00	1,721.88	1,806.07	1,783.01	9.65	7.34	-161.62	55.92	-130.82	406.48	392.39	14.10	28.832		
1,900.00	1,813.21	1,903.01	1,877.69	10.40	7.82	-161.30	73.21	-142.32	430.95	415.93	15.02	28.700		
2,000.00	1,904.54	2,000.05	1,972.38	11.15	8.30	-161.02	90.49	-153.82	455.42	439.48	15.94	28.575		
2,100.00	1,995.88	2,103.12	2,067.07	11.90	8.81	-160.77	107.78	-165.32	479.90	463.01	16.89	28.412		
2,200.00	2,087.21	2,206.18	2,161.76	12.65	9.32	-160.54	125.06	-176.81	504.38	486.54	17.85	28.262		
2,300.00	2,178.54	2,309.24	2,256.45	13.41	9.83	-160.34	142.35	-188.31	528.88	510.07	18.81	28.123		
2,400.00	2,269.87	2,387.69	2,351.13	14.16	10.22	-160.15	159.63	-199.81	553.38	533.72	19.66	28.152		
2,500.00	2,361.21	2,484.63	2,445.82	14.92	10.71	-159.98	176.92	-211.31	577.89	557.29	20.59	28.063		
2,600.00	2,452.54	2,581.57	2,540.51	15.67	11.19	-159.82	194.20	-222.81	602.40	580.87	21.53	27.979		
2,700.00	2,543.87	2,678.50	2,635.20	16.43	11.68	-159.68	211.48	-234.31	626.91	604.44	22.47	27.900		
2,800.00	2,635.20	2,775.44	2,729.88	17.19	12.16	-159.54	228.77	-245.80	651.43	628.02	23.41	27.825		
2,900.00	2,726.54	2,872.38	2,824.57	17.95	12.65	-159.42	246.05	-257.30	675.95	651.59	24.35	27.756		
3,000.00	2,817.87	2,969.31	2,919.26	18.71	13.13	-159.30	263.34	-268.80	700.47	675.17	25.30	27.690		
3,100.00	2,909.20	3,066.25	3,013.95	19.47	13.62	-159.19	280.62	-280.30	725.00	698.76	26.24	27.628		
3,200.00	3,000.54	3,163.19	3,108.64	20.22	14.11	-159.09	297.91	-291.80	749.53	722.34	27.19	27.569		
3,300.00	3,091.87	3,260.13	3,203.32	20.98	14.59	-159.00	315.19	-303.30	774.06	745.92	28.13	27.513		
3,400.00	3,183.20	3,357.06	3,298.01	21.74	15.08	-158.91	332.48	-314.80	798.59	769.51	29.08	27.461		
3,500.00	3,274.53	3,454.00	3,392.70	22.50	15.57	-158.83	349.76	-326.29	823.12	793.09	30.03	27.411		
3,600.00	3,365.87	3,550.94	3,487.39	23.27	16.05	-158.75	367.04	-337.79	847.66	816.68	30.98	27.363		
3,700.00	3,457.20	3,647.87	3,582.08	24.03	16.54	-158.67	384.33	-349.29	872.20	840.27	31.93	27.318		
3,800.00	3,548.53	3,744.81	3,676.76	24.79	17.03	-158.60	401.61	-360.79	896.73	863.86	32.88	27.275		
3,900.00	3,639.86	3,841.75	3,771.45	25.55	17.52	-158.54	418.90	-372.29	921.27	887.45	33.83	27.235		
4,000.00	3,731.20	3,938.68	3,866.14	26.31	18.01	-158.47	436.18	-383.79	945.81	911.04	34.78	27.196		
4,100.00	3,822.53	4,035.62	3,960.83	27.07	18.49	-158.41	453.47	-395.29	970.36	934.63	35.73	27.158		
4,200.00	3,913.86	4,132.56	4,055.52	27.83	18.98	-158.36	470.75	-406.78	994.90	958.22	36.68	27.123		
4,300.00	4,005.19	4,229.50	4,150.20	28.59	19.47	-158.30	488.04	-418.28	1,019.44	981.81	37.63	27.089		
4,400.00	4,096.53	4,326.43	4,244.89	29.35	19.96	-158.25	505.32	-429.78	1,043.99	1,005.40	38.59	27.056		
4,500.00	4,187.86	4,423.37	4,339.58	30.12	20.45	-158.20	522.61	-441.28	1,068.53	1,028.99	39.54	27.025		
4,600.00	4,279.19	4,520.31	4,434.27	30.88	20.94	-158.15	539.89	-452.78	1,093.08	1,052.58	40.49	26.995		
4,700.00	4,370.52	4,617.24	4,528.96	31.64	21.43	-158.11	557.17	-464.28	1,117.62	1,076.18	41.45	26.966		
4,800.00	4,461.86	4,714.18	4,623.64	32.40	21.91	-158.07	574.46	-475.77	1,142.17	1,099.77	42.40	26.939		
4,900.00	4,553.19	4,811.12	4,718.33	33.16	22.40	-158.03	591.74	-487.27	1,166.72	1,123.36	43.35	26.912		
5,000.00	4,644.52	4,908.05	4,813.02	33.93	22.89	-157.99	609.03	-498.77	1,191.27	1,146.96	44.31	26.887		
5,100.00	4,735.86	5,004.99	4,907.71	34.69	23.38	-157.95	626.31	-510.27	1,215.81	1,170.55	45.26	26.862		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
5,200.00	4,827.19	5,101.93	5,002.39	35.45	23.87	-157.91	643.60	-521.77	1,240.36	1,194.15	46.22	26.838		
5,300.00	4,918.52	5,198.86	5,097.08	36.21	24.36	-157.88	660.88	-533.27	1,264.91	1,217.74	47.17	26.815		
5,400.00	5,009.85	5,295.80	5,191.77	36.98	24.85	-157.84	678.17	-544.77	1,289.46	1,241.34	48.13	26.793		
5,500.00	5,101.19	5,407.26	5,286.46	37.74	25.41	-157.81	695.45	-556.26	1,314.01	1,264.86	49.15	26.736		
5,600.00	5,192.52	5,489.68	5,381.15	38.50	25.83	-157.78	712.73	-567.76	1,338.56	1,288.53	50.04	26.751		
5,700.00	5,283.85	5,586.61	5,475.83	39.26	26.32	-157.75	730.02	-579.26	1,363.11	1,312.12	50.99	26.731		
5,800.00	5,375.18	5,683.55	5,570.52	40.03	26.80	-157.72	747.30	-590.76	1,387.67	1,335.72	51.95	26.712		
5,900.00	5,466.52	5,780.49	5,665.21	40.79	27.29	-157.69	764.59	-602.26	1,412.22	1,359.31	52.91	26.693		
6,000.00	5,557.85	5,877.42	5,759.90	41.55	27.78	-157.67	781.87	-613.76	1,436.77	1,382.91	53.86	26.675		
6,100.00	5,649.18	5,974.36	5,854.59	42.31	28.27	-157.64	799.16	-625.25	1,461.32	1,406.50	54.82	26.658		
6,200.00	5,740.51	6,071.30	5,949.27	43.08	28.76	-157.61	816.44	-636.75	1,485.87	1,430.10	55.77	26.641		
6,300.00	5,831.85	6,168.23	6,043.96	43.84	29.25	-157.59	833.73	-648.25	1,510.43	1,453.70	56.73	26.624		
6,400.00	5,923.18	6,265.17	6,138.65	44.60	29.74	-157.57	851.01	-659.75	1,534.98	1,477.29	57.69	26.608		
6,500.00	6,014.51	6,362.11	6,233.34	45.36	30.23	-157.54	868.30	-671.25	1,559.53	1,500.89	58.64	26.593		
6,600.00	6,105.85	6,459.04	6,328.03	46.13	30.72	-157.52	885.58	-682.75	1,584.09	1,524.49	59.60	26.578		
6,700.00	6,197.18	6,555.98	6,422.71	46.89	31.21	-157.50	902.86	-694.25	1,608.64	1,548.08	60.56	26.563		
6,800.00	6,288.51	6,652.92	6,517.40	47.65	31.70	-157.48	920.15	-705.74	1,633.20	1,571.68	61.52	26.549		
6,900.00	6,379.84	6,749.86	6,612.09	48.42	32.19	-157.46	937.43	-717.24	1,657.75	1,595.28	62.47	26.535		
7,000.00	6,471.18	6,846.79	6,706.78	49.18	32.68	-157.44	954.72	-728.74	1,682.30	1,618.87	63.43	26.521		
7,100.00	6,562.51	6,943.73	6,801.47	49.94	33.17	-157.42	972.00	-740.24	1,706.86	1,642.47	64.39	26.508		
7,200.00	6,653.84	7,040.67	6,896.15	50.71	33.66	-157.40	989.29	-751.74	1,731.41	1,666.07	65.35	26.495		
7,300.00	6,745.17	7,137.60	6,990.84	51.47	34.15	-157.38	1,006.57	-763.24	1,755.97	1,689.66	66.31	26.483		
7,400.00	6,836.51	7,234.54	7,085.53	52.23	34.64	-157.36	1,023.86	-774.74	1,780.52	1,713.26	67.26	26.471		
7,500.00	6,927.84	7,331.48	7,180.22	52.99	35.13	-157.35	1,041.14	-786.23	1,805.08	1,736.86	68.22	26.459		
7,600.00	7,019.17	7,428.00	7,473.84	53.76	36.14	-159.16	1,093.37	-760.80	1,825.56	1,756.29	69.27	26.353 SF		
7,700.00	7,110.50	7,953.72	7,726.93	54.52	36.36	-165.56	1,134.78	-577.35	1,833.64	1,766.03	67.61	27.120		
7,800.00	7,201.84	8,075.23	7,791.07	55.28	36.24	-168.89	1,144.02	-474.83	1,840.74	1,773.35	67.39	27.315		
7,900.00	7,293.16	8,136.59	7,815.00	56.05	36.16	-167.51	1,147.06	-418.45	1,851.29	1,783.65	67.64	27.370		
8,000.00	7,383.34	8,159.34	7,822.35	56.83	36.13	-147.07	1,147.90	-396.93	1,865.85	1,797.94	67.91	27.476		
8,100.00	7,469.66	8,156.18	7,821.38	57.62	36.14	-131.22	1,147.80	-399.93	1,884.27	1,816.24	68.03	27.697		
8,200.00	7,549.48	8,138.75	7,815.74	58.39	36.16	-119.46	1,147.15	-416.41	1,905.84	1,837.86	67.98	28.035		
8,300.00	7,620.40	8,112.81	7,806.44	59.13	36.20	-110.48	1,146.02	-440.60	1,929.46	1,861.68	67.79	28.464		
8,400.00	7,680.24	8,081.49	7,793.78	59.84	36.24	-103.36	1,144.38	-469.20	1,953.87	1,886.37	67.50	28.945		
8,500.00	7,727.20	8,050.00	7,779.53	60.51	36.28	-97.75	1,142.45	-497.21	1,977.80	1,910.61	67.19	29.436		
8,600.00	7,759.84	8,009.31	7,758.92	61.13	36.32	-93.19	1,139.52	-532.16	2,000.06	1,933.13	66.93	29.883		
8,700.00	7,777.18	7,970.33	7,736.94	61.71	36.35	-89.83	1,136.29	-564.18	2,019.58	1,952.83	66.75	30.254		
8,800.00	7,780.00	7,930.62	7,712.40	62.25	36.37	-88.08	1,132.57	-595.17	2,036.05	1,969.36	66.69	30.529		
8,900.00	7,780.00	7,900.00	7,692.07	62.83	36.39	-87.51	1,129.42	-617.84	2,054.60	1,987.88	66.72	30.793		
9,000.00	7,780.00	7,862.07	7,665.29	63.50	36.39	-86.75	1,125.20	-644.36	2,076.59	2,009.81	66.79	31.094		
9,100.00	7,780.00	7,833.34	7,643.89	64.25	36.39	-86.15	1,121.77	-663.22	2,102.15	2,035.22	66.93	31.410		
9,200.00	7,780.00	7,800.00	7,617.94	65.08	36.39	-85.43	1,117.56	-683.71	2,131.32	2,064.23	67.09	31.769		
9,300.00	7,780.00	7,784.83	7,605.76	65.99	36.38	-85.09	1,115.57	-692.52	2,163.98	2,096.58	67.40	32.107		
9,400.00	7,780.00	7,764.31	7,588.92	67.00	36.37	-84.63	1,112.79	-703.92	2,200.17	2,132.45	67.72	32.489		
9,500.00	7,780.00	7,750.00	7,576.94	68.10	36.36	-84.30	1,110.81	-711.49	2,239.79	2,171.66	68.13	32.878		
9,600.00	7,780.00	7,729.21	7,559.22	69.29	36.34	-83.81	1,107.86	-721.96	2,282.69	2,214.18	68.51	33.319		
9,700.00	7,780.00	7,700.00	7,533.73	70.56	36.31	-83.12	1,103.58	-735.55	2,328.91	2,260.07	68.84	33.829		
9,800.00	7,780.00	7,700.00	7,533.73	71.93	36.31	-83.12	1,103.58	-735.55	2,377.90	2,308.45	69.44	34.243		
9,900.00	7,780.00	7,700.00	7,533.73	73.38	36.31	-83.12	1,103.58	-735.55	2,430.01	2,359.95	70.05	34.688		
10,000.00	7,780.00	7,676.54	7,512.78	74.91	36.27	-82.55	1,100.03	-745.50	2,484.64	2,414.18	70.46	35.261		
10,100.00	7,780.00	7,650.00	7,488.63	76.52	36.23	-81.90	1,095.92	-755.70	2,542.16	2,471.32	70.84	35.886		
10,200.00	7,780.00	7,650.00	7,488.63	78.21	36.23	-81.90	1,095.92	-755.70	2,601.75	2,530.30	71.46	36.409		
10,300.00	7,780.00	7,650.00	7,488.63	79.96	36.23	-81.90	1,095.92	-755.70	2,663.77	2,591.70	72.07	36.962		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
10,400.00	7,780.00	7,650.00	7,488.63	81.78	36.23	-81.90	1,095.92	-755.70	2,728.04	2,655.38	72.66	37.544		
10,500.00	7,780.00	7,650.00	7,488.63	83.66	36.23	-81.90	1,095.92	-755.70	2,794.41	2,721.17	73.24	38.153		
10,600.00	7,780.00	7,624.63	7,465.14	85.59	36.18	-81.27	1,091.89	-764.37	2,862.21	2,788.63	73.58	38.897		
10,700.00	7,780.00	7,600.00	7,441.99	87.57	36.14	-80.66	1,087.89	-771.78	2,932.31	2,858.40	73.91	39.672		
10,800.00	7,780.00	7,600.00	7,441.99	89.60	36.14	-80.66	1,087.89	-771.78	3,003.63	2,929.18	74.45	40.345		
10,900.00	7,780.00	7,600.00	7,441.99	91.67	36.14	-80.66	1,087.89	-771.78	3,076.54	3,001.58	74.96	41.041		
11,000.00	7,780.00	7,600.00	7,441.99	93.79	36.14	-80.66	1,087.89	-771.78	3,150.95	3,075.49	75.46	41.759		
11,100.00	7,780.00	7,600.00	7,441.99	95.94	36.14	-80.66	1,087.89	-771.78	3,226.73	3,150.80	75.93	42.497		
11,200.00	7,780.00	7,600.00	7,441.99	98.12	36.14	-80.66	1,087.89	-771.78	3,303.81	3,227.42	76.38	43.254		
11,300.00	7,780.00	7,600.00	7,441.99	100.33	36.14	-80.66	1,087.89	-771.78	3,382.08	3,305.27	76.82	44.029		
11,400.00	7,780.00	7,600.00	7,441.99	102.57	36.14	-80.66	1,087.89	-771.78	3,461.48	3,384.25	77.23	44.821		
11,500.00	7,780.00	7,578.10	7,421.17	104.84	36.08	-80.11	1,084.27	-777.52	3,541.50	3,464.03	77.46	45.719		
11,600.00	7,780.00	7,574.30	7,417.53	107.13	36.07	-80.02	1,083.64	-778.43	3,622.75	3,544.93	77.82	46.555		
11,700.00	7,780.00	7,570.70	7,414.08	109.44	36.07	-79.93	1,083.04	-779.27	3,704.89	3,626.74	78.16	47.404		
11,800.00	7,780.00	7,550.00	7,394.17	111.78	36.01	-79.41	1,079.56	-783.68	3,788.14	3,709.78	78.36	48.344		
11,900.00	7,780.00	7,550.00	7,394.17	114.13	36.01	-79.41	1,079.56	-783.68	3,871.82	3,793.12	78.70	49.199		
12,000.00	7,780.00	7,550.00	7,394.17	116.50	36.01	-79.41	1,079.56	-783.68	3,956.26	3,877.24	79.02	50.066		
12,100.00	7,780.00	7,550.00	7,394.17	118.89	36.01	-79.41	1,079.56	-783.68	4,041.40	3,962.07	79.33	50.944		
12,200.00	7,780.00	7,550.00	7,394.17	121.29	36.01	-79.41	1,079.56	-783.68	4,127.22	4,047.59	79.63	51.832		
12,300.00	7,780.00	7,550.00	7,394.17	123.71	36.01	-79.41	1,079.56	-783.68	4,213.66	4,133.74	79.91	52.729		
12,400.00	7,780.00	7,550.00	7,394.17	126.14	36.01	-79.41	1,079.56	-783.68	4,300.68	4,220.50	80.18	53.636		
12,500.00	7,780.00	7,550.00	7,394.17	128.58	36.01	-79.41	1,079.56	-783.68	4,388.26	4,307.82	80.44	54.550		
12,600.00	7,780.00	7,550.00	7,394.17	131.03	36.01	-79.41	1,079.56	-783.68	4,476.36	4,395.67	80.69	55.473		
12,700.00	7,780.00	7,550.00	7,394.17	133.49	36.01	-79.41	1,079.56	-783.68	4,564.95	4,484.02	80.93	56.403		
12,800.00	7,780.00	7,550.00	7,394.17	135.97	36.01	-79.41	1,079.56	-783.68	4,654.01	4,572.84	81.17	57.340		
12,900.00	7,780.00	7,550.00	7,394.17	138.45	36.01	-79.41	1,079.56	-783.68	4,743.50	4,662.11	81.39	58.283		
13,000.00	7,780.00	7,550.00	7,394.17	140.94	36.01	-79.41	1,079.56	-783.68	4,833.40	4,751.80	81.60	59.232		
13,100.00	7,780.00	7,550.00	7,394.17	143.44	36.01	-79.41	1,079.56	-783.68	4,923.69	4,841.88	81.81	60.187		
13,200.00	7,780.00	7,550.00	7,394.17	145.95	36.01	-79.41	1,079.56	-783.68	5,014.35	4,932.35	82.00	61.147		
13,300.00	7,780.00	7,550.00	7,394.17	148.47	36.01	-79.41	1,079.56	-783.68	5,105.36	5,023.16	82.20	62.112		
13,400.00	7,780.00	7,550.00	7,394.17	150.99	36.01	-79.41	1,079.56	-783.68	5,196.70	5,114.32	82.38	63.081		
13,500.00	7,780.00	7,527.79	7,372.63	153.52	35.95	-78.85	1,075.77	-787.60	5,287.90	5,205.46	82.44	64.140		
13,600.00	7,780.00	7,526.20	7,371.09	156.06	35.94	-78.81	1,075.50	-787.85	5,379.78	5,297.17	82.61	65.123		
13,700.00	7,780.00	7,524.67	7,369.59	158.60	35.94	-78.77	1,075.24	-788.09	5,471.95	5,389.18	82.77	66.109		
13,800.00	7,780.00	7,523.18	7,368.15	161.14	35.93	-78.74	1,074.98	-788.31	5,564.38	5,481.45	82.93	67.099		
13,900.00	7,780.00	7,500.00	7,345.52	163.70	35.86	-78.16	1,070.98	-791.31	5,657.49	5,574.52	82.97	68.187		
14,000.00	7,780.00	7,500.00	7,345.52	166.25	35.86	-78.16	1,070.98	-791.31	5,750.36	5,667.24	83.13	69.176		
14,100.00	7,780.00	7,500.00	7,345.52	168.81	35.86	-78.16	1,070.98	-791.31	5,843.47	5,760.19	83.28	70.168		
14,200.00	7,780.00	7,500.00	7,345.52	171.38	35.86	-78.16	1,070.98	-791.31	5,936.80	5,853.38	83.43	71.163		
14,300.00	7,780.00	7,500.00	7,345.52	173.95	35.86	-78.16	1,070.98	-791.31	6,030.35	5,946.78	83.57	72.160		
14,400.00	7,780.00	7,500.00	7,345.52	176.53	35.86	-78.16	1,070.98	-791.31	6,124.10	6,040.39	83.71	73.159		
14,500.00	7,780.00	7,500.00	7,345.52	179.10	35.86	-78.16	1,070.98	-791.31	6,218.04	6,134.20	83.85	74.161		
14,600.00	7,780.00	7,500.00	7,345.52	181.69	35.86	-78.16	1,070.98	-791.31	6,312.17	6,228.20	83.98	75.165		
14,700.00	7,780.00	7,500.00	7,345.52	184.27	35.86	-78.16	1,070.98	-791.31	6,406.48	6,322.37	84.11	76.170		
14,800.00	7,780.00	7,500.00	7,345.52	186.86	35.86	-78.16	1,070.98	-791.31	6,500.96	6,416.73	84.23	77.177		
14,900.00	7,780.00	7,500.00	7,345.52	189.45	35.86	-78.16	1,070.98	-791.31	6,595.60	6,511.24	84.36	78.186		
15,000.00	7,780.00	7,500.00	7,345.52	192.05	35.86	-78.16	1,070.98	-791.31	6,690.40	6,605.92	84.48	79.196		
15,100.00	7,780.00	7,500.00	7,345.52	194.65	35.86	-78.16	1,070.98	-791.31	6,785.34	6,700.75	84.60	80.207		
15,200.00	7,780.00	7,500.00	7,345.52	197.25	35.86	-78.16	1,070.98	-791.31	6,880.43	6,795.72	84.71	81.220		
15,300.00	7,780.00	7,500.00	7,345.52	199.85	35.86	-78.16	1,070.98	-791.31	6,975.66	6,890.83	84.83	82.234		
15,400.00	7,780.00	7,500.00	7,345.52	202.46	35.86	-78.16	1,070.98	-791.31	7,071.02	6,986.08	84.94	83.248		
15,500.00	7,780.00	7,500.00	7,345.52	205.07	35.86	-78.16	1,070.98	-791.31	7,166.51	7,081.46	85.05	84.264		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
15,600.00	7,780.00	7,500.00	7,345.52	207.68	35.86	-78.16	1,070.98	-791.31	7,262.11	7,176.96	85.16	85.280		
15,700.00	7,780.00	7,500.00	7,345.52	210.29	35.86	-78.16	1,070.98	-791.31	7,357.84	7,272.57	85.26	86.297		
15,800.00	7,780.00	7,500.00	7,345.52	212.91	35.86	-78.16	1,070.98	-791.31	7,453.67	7,368.31	85.37	87.314		
15,900.00	7,780.00	7,500.00	7,345.52	215.53	35.86	-78.16	1,070.98	-791.31	7,549.62	7,464.15	85.47	88.332		
16,000.00	7,780.00	7,500.00	7,345.52	218.15	35.86	-78.16	1,070.98	-791.31	7,645.66	7,560.09	85.57	89.350		
16,100.00	7,780.00	7,500.00	7,345.52	220.77	35.86	-78.16	1,070.98	-791.31	7,741.81	7,656.14	85.67	90.369		
16,200.00	7,780.00	7,500.00	7,345.52	223.39	35.86	-78.16	1,070.98	-791.31	7,838.06	7,752.29	85.77	91.388		
16,300.00	7,780.00	7,500.00	7,345.52	226.02	35.86	-78.16	1,070.98	-791.31	7,934.39	7,848.53	85.86	92.406		
16,400.00	7,780.00	7,500.00	7,345.52	228.65	35.86	-78.16	1,070.98	-791.31	8,030.82	7,944.86	85.96	93.425		
16,500.00	7,780.00	7,500.00	7,345.52	231.28	35.86	-78.16	1,070.98	-791.31	8,127.33	8,041.28	86.05	94.445		
16,600.00	7,780.00	7,500.00	7,345.52	233.91	35.86	-78.16	1,070.98	-791.31	8,223.93	8,137.78	86.15	95.464		
16,700.00	7,780.00	7,500.00	7,345.52	236.54	35.86	-78.16	1,070.98	-791.31	8,320.61	8,234.37	86.24	96.482		
16,800.00	7,780.00	7,500.00	7,345.52	239.17	35.86	-78.16	1,070.98	-791.31	8,417.36	8,331.03	86.33	97.501		
16,900.00	7,780.00	7,500.00	7,345.52	241.81	35.86	-78.16	1,070.98	-791.31	8,514.19	8,427.77	86.42	98.520		
17,000.00	7,780.00	7,500.00	7,345.52	244.44	35.86	-78.16	1,070.98	-791.31	8,611.09	8,524.58	86.51	99.538		
17,100.00	7,780.00	7,500.00	7,345.52	247.08	35.86	-78.16	1,070.98	-791.31	8,708.06	8,621.46	86.60	100.556		
17,200.00	7,780.00	7,500.00	7,345.52	249.72	35.86	-78.16	1,070.98	-791.31	8,805.10	8,718.42	86.69	101.573		
17,300.00	7,780.00	7,500.00	7,345.52	252.36	35.86	-78.16	1,070.98	-791.31	8,902.21	8,815.43	86.77	102.590		
17,400.00	7,780.00	7,500.00	7,345.52	255.00	35.86	-78.16	1,070.98	-791.31	8,999.38	8,912.52	86.86	103.607		
17,500.00	7,780.00	7,500.00	7,345.52	257.65	35.86	-78.16	1,070.98	-791.31	9,096.61	9,009.66	86.95	104.623		
17,600.00	7,780.00	7,500.00	7,345.52	260.29	35.86	-78.16	1,070.98	-791.31	9,193.90	9,106.87	87.03	105.638		
17,700.00	7,780.00	7,500.00	7,345.52	262.94	35.86	-78.16	1,070.98	-791.31	9,291.24	9,204.13	87.12	106.653		
17,800.00	7,780.00	7,500.00	7,345.52	265.58	35.86	-78.16	1,070.98	-791.31	9,388.65	9,301.45	87.20	107.667		
17,900.00	7,780.00	7,500.00	7,345.52	268.23	35.86	-78.16	1,070.98	-791.31	9,486.10	9,398.82	87.28	108.680		
18,000.00	7,780.00	7,500.00	7,345.52	270.88	35.86	-78.16	1,070.98	-791.31	9,583.61	9,496.25	87.37	109.693		
18,100.00	7,780.00	7,500.00	7,345.52	273.53	35.86	-78.16	1,070.98	-791.31	9,681.17	9,593.72	87.45	110.705		
18,200.00	7,780.00	7,500.00	7,345.52	276.18	35.86	-78.16	1,070.98	-791.31	9,778.78	9,691.25	87.53	111.716		
18,300.00	7,780.00	7,500.00	7,345.52	278.83	35.86	-78.16	1,070.98	-791.31	9,876.44	9,788.83	87.61	112.726		
18,400.00	7,780.00	7,500.00	7,345.52	281.48	35.86	-78.16	1,070.98	-791.31	9,974.14	9,886.45	87.70	113.735		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	0.30	-0.30	0.00	0.00	-179.80	-159.91	-0.56	159.92					
100.00	100.00	100.30	99.70	0.13	0.14	-179.80	-159.91	-0.56	159.92	159.65	0.27	592.433	CC, ES	
200.00	199.98	200.32	199.68	0.49	0.49	-173.90	-159.91	-0.56	161.65	160.66	0.99	163.262		
300.00	299.84	300.46	299.54	0.86	0.85	-174.08	-159.91	-0.56	166.86	165.14	1.72	97.124		
400.00	399.45	400.85	399.15	1.23	1.21	-174.36	-159.91	-0.56	175.53	173.08	2.45	71.718		
500.00	498.70	498.40	498.40	1.63	1.56	-174.70	-159.91	-0.56	187.66	184.49	3.17	59.222		
600.00	597.47	602.06	602.04	2.04	1.93	-174.72	-158.70	-1.92	202.06	198.16	3.91	51.733		
700.00	695.62	705.97	705.80	2.49	2.30	-174.09	-154.97	-6.07	217.49	212.84	4.65	46.772		
800.00	793.06	809.95	809.35	2.97	2.68	-172.93	-148.73	-13.03	233.99	228.58	5.41	43.271		
900.00	889.64	913.89	912.45	3.49	3.08	-171.36	-139.98	-22.78	251.67	245.49	6.18	40.693		
1,000.00	985.27	1,014.96	1,012.25	4.05	3.48	-169.59	-129.31	-34.66	270.89	263.91	6.98	38.807		
1,100.00	1,079.82	1,112.18	1,108.16	4.65	3.88	-168.13	-118.69	-46.50	293.33	285.54	7.79	37.672		
1,200.00	1,173.17	1,208.62	1,203.30	5.29	4.28	-166.98	-108.15	-58.24	319.20	310.59	8.61	37.091		
1,300.00	1,265.21	1,304.17	1,297.56	5.99	4.69	-166.10	-97.72	-69.87	348.41	338.97	9.44	36.921		
1,400.00	1,356.55	1,400.79	1,391.33	6.71	5.10	-165.54	-87.33	-81.43	379.33	369.05	10.28	36.905		
1,500.00	1,447.88	1,505.75	1,485.09	7.44	5.56	-165.07	-76.95	-93.00	410.27	399.11	11.16	36.763		
1,600.00	1,539.21	1,589.29	1,578.85	8.17	5.92	-164.67	-66.57	-104.57	441.24	429.28	11.96	36.893		
1,700.00	1,630.55	1,684.34	1,672.61	8.91	6.34	-164.32	-56.19	-116.14	472.22	459.41	12.81	36.851		
1,800.00	1,721.88	1,779.38	1,766.37	9.65	6.75	-164.01	-45.80	-127.71	503.22	489.54	13.67	36.800		
1,900.00	1,813.21	1,874.42	1,860.14	10.40	7.17	-163.74	-35.42	-139.28	534.23	519.69	14.54	36.744		
2,000.00	1,904.54	1,969.46	1,953.90	11.15	7.59	-163.50	-25.04	-150.84	565.25	549.84	15.41	36.686		
2,100.00	1,995.88	2,064.50	2,047.66	11.90	8.01	-163.28	-14.66	-162.41	596.28	580.00	16.28	36.627		
2,200.00	2,087.21	2,159.55	2,141.42	12.65	8.43	-163.09	-4.27	-173.98	627.31	610.16	17.15	36.569		
2,300.00	2,178.54	2,254.59	2,235.18	13.41	8.85	-162.91	6.11	-185.55	658.35	640.32	18.03	36.512		
2,400.00	2,269.87	2,349.63	2,328.95	14.16	9.27	-162.75	16.49	-197.12	689.39	670.48	18.91	36.456		
2,500.00	2,361.21	2,444.67	2,422.71	14.92	9.70	-162.60	26.87	-208.69	720.44	700.65	19.79	36.402		
2,600.00	2,452.54	2,539.71	2,516.47	15.67	10.12	-162.47	37.25	-220.25	751.50	730.82	20.67	36.350		
2,700.00	2,543.87	2,634.75	2,610.23	16.43	10.54	-162.34	47.64	-231.82	782.56	761.00	21.56	36.299		
2,800.00	2,635.20	2,729.80	2,704.00	17.19	10.97	-162.23	58.02	-243.39	813.62	791.17	22.44	36.251		
2,900.00	2,726.54	2,824.84	2,797.76	17.95	11.39	-162.12	68.40	-254.96	844.68	821.35	23.33	36.205		
3,000.00	2,817.87	2,919.88	2,891.52	18.71	11.81	-162.02	78.78	-266.53	875.74	851.53	24.22	36.161		
3,100.00	2,909.20	3,014.92	2,985.28	19.47	12.24	-161.93	89.17	-278.10	906.81	881.71	25.11	36.119		
3,200.00	3,000.54	3,109.96	3,079.04	20.22	12.66	-161.85	99.55	-289.66	937.88	911.89	26.00	36.078		
3,300.00	3,091.87	3,205.01	3,172.81	20.98	13.09	-161.76	109.93	-301.23	968.95	942.07	26.89	36.039		
3,400.00	3,183.20	3,300.05	3,266.57	21.74	13.51	-161.69	120.31	-312.80	1,000.03	972.25	27.78	36.002		
3,500.00	3,274.53	3,404.91	3,360.33	22.50	13.98	-161.62	130.70	-324.37	1,031.10	1,002.39	28.71	35.913		
3,600.00	3,365.87	3,509.87	3,454.09	23.27	14.45	-161.55	141.08	-335.94	1,062.18	1,032.53	29.65	35.829		
3,700.00	3,457.20	3,585.17	3,547.85	24.03	14.79	-161.49	151.46	-347.51	1,093.25	1,062.80	30.45	35.899		
3,800.00	3,548.53	3,680.21	3,641.62	24.79	15.22	-161.43	161.84	-359.07	1,124.33	1,092.99	31.35	35.868		
3,900.00	3,639.86	3,775.26	3,735.38	25.55	15.64	-161.37	172.22	-370.64	1,155.41	1,123.17	32.24	35.838		
4,000.00	3,731.20	3,870.30	3,829.14	26.31	16.07	-161.32	182.61	-382.21	1,186.49	1,153.36	33.13	35.809		
4,100.00	3,822.53	3,965.34	3,922.90	27.07	16.49	-161.27	192.99	-393.78	1,217.57	1,183.54	34.03	35.781		
4,200.00	3,913.86	4,060.38	4,016.66	27.83	16.92	-161.22	203.37	-405.35	1,248.65	1,213.73	34.92	35.754		
4,300.00	4,005.19	4,155.42	4,110.43	28.59	17.35	-161.18	213.75	-416.92	1,279.74	1,243.92	35.82	35.728		
4,400.00	4,096.53	4,250.47	4,204.19	29.35	17.77	-161.13	224.14	-428.48	1,310.82	1,274.11	36.71	35.703		
4,500.00	4,187.86	4,345.51	4,297.95	30.12	18.20	-161.09	234.52	-440.05	1,341.90	1,304.29	37.61	35.679		
4,600.00	4,279.19	4,440.55	4,391.71	30.88	18.62	-161.05	244.90	-451.62	1,372.99	1,334.48	38.51	35.656		
4,700.00	4,370.52	4,535.59	4,485.48	31.64	19.05	-161.01	255.28	-463.19	1,404.07	1,364.67	39.40	35.634		
4,800.00	4,461.86	4,630.63	4,579.24	32.40	19.48	-160.98	265.67	-474.76	1,435.16	1,394.86	40.30	35.612		
4,900.00	4,553.19	4,725.67	4,673.00	33.16	19.90	-160.94	276.05	-486.33	1,466.25	1,425.05	41.20	35.591		
5,000.00	4,644.52	4,820.72	4,766.76	33.93	20.33	-160.91	286.43	-497.89	1,497.33	1,455.24	42.09	35.571		
5,100.00	4,735.86	4,915.76	4,860.52	34.69	20.76	-160.88	296.81	-509.46	1,528.42	1,485.43	42.99	35.552		

CC - Min centre to center distance or convergent 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 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
5,200.00	4,827.19	5,010.80	4,954.29	35.45	21.18	-160.85	307.19	-521.03	1,559.51	1,515.62	43.89	35.533		
5,300.00	4,918.52	5,105.84	5,048.05	36.21	21.61	-160.82	317.58	-532.60	1,590.59	1,545.81	44.79	35.515		
5,400.00	5,009.85	5,200.88	5,141.81	36.98	22.04	-160.79	327.96	-544.17	1,621.68	1,576.00	45.69	35.497		
5,500.00	5,101.19	5,304.07	5,235.57	37.74	22.50	-160.76	338.34	-555.74	1,652.77	1,606.15	46.62	35.453		
5,600.00	5,192.52	5,409.03	5,329.33	38.50	22.97	-160.73	348.72	-567.30	1,683.86	1,636.30	47.56	35.404		
5,700.00	5,283.85	5,486.01	5,423.10	39.26	23.32	-160.71	359.11	-578.87	1,714.95	1,666.57	48.38	35.447		
5,800.00	5,375.18	5,581.05	5,516.86	40.03	23.75	-160.69	369.49	-590.44	1,746.04	1,696.76	49.28	35.431		
5,900.00	5,466.52	5,676.09	5,610.62	40.79	24.17	-160.66	379.87	-602.01	1,777.13	1,726.95	50.18	35.416		
6,000.00	5,557.85	5,771.14	5,704.38	41.55	24.60	-160.64	390.25	-613.58	1,808.22	1,757.14	51.08	35.401		
6,100.00	5,649.18	5,866.18	5,798.14	42.31	25.03	-160.62	400.64	-625.14	1,839.31	1,787.33	51.98	35.386		
6,200.00	5,740.51	5,961.22	5,891.91	43.08	25.45	-160.60	411.02	-636.71	1,870.40	1,817.52	52.88	35.372		
6,300.00	5,831.85	6,056.26	5,985.67	43.84	25.88	-160.58	421.40	-648.28	1,901.49	1,847.71	53.78	35.359		
6,400.00	5,923.18	6,151.30	6,079.43	44.60	26.31	-160.56	431.78	-659.85	1,932.58	1,877.90	54.68	35.345		
6,500.00	6,014.51	6,246.34	6,173.19	45.36	26.74	-160.54	442.17	-671.42	1,963.67	1,908.10	55.58	35.332		
6,600.00	6,105.85	6,341.39	6,266.96	46.13	27.16	-160.52	452.55	-682.99	1,994.76	1,938.29	56.48	35.319		
6,700.00	6,197.18	6,436.43	6,360.72	46.89	27.59	-160.50	462.93	-694.55	2,025.86	1,968.48	57.38	35.307		
6,800.00	6,288.51	6,531.47	6,454.48	47.65	28.02	-160.48	473.31	-706.12	2,056.95	1,998.67	58.28	35.295		
6,900.00	6,379.84	6,626.51	6,548.24	48.42	28.45	-160.46	483.69	-717.69	2,088.04	2,028.86	59.18	35.283		
7,000.00	6,471.18	6,721.55	6,642.00	49.18	28.87	-160.45	494.08	-729.26	2,119.13	2,059.05	60.08	35.272		
7,100.00	6,562.51	6,816.60	6,735.77	49.94	29.30	-160.43	504.46	-740.83	2,150.22	2,089.24	60.98	35.260		
7,200.00	6,653.84	6,911.64	6,829.53	50.71	29.73	-160.42	514.84	-752.40	2,181.32	2,119.43	61.88	35.249		
7,300.00	6,745.17	7,006.68	6,923.29	51.47	30.15	-160.40	525.22	-763.96	2,212.41	2,149.62	62.78	35.238		
7,400.00	6,836.51	7,101.72	7,017.05	52.23	30.58	-160.39	535.61	-775.53	2,243.50	2,179.82	63.69	35.228		
7,500.00	6,927.84	7,196.76	7,110.81	52.99	31.01	-160.37	545.99	-787.10	2,274.59	2,210.01	64.59	35.217		
7,600.00	7,019.17	7,287.25	7,196.46	53.76	31.98	-160.35	556.26	-798.67	2,305.68	2,240.10	65.49	35.206		
7,700.00	7,110.50	7,377.74	7,286.77	54.52	31.99	-160.33	566.53	-810.14	2,336.77	2,270.19	66.39	35.195		
7,800.00	7,201.84	7,468.23	7,377.10	55.28	31.98	-170.36	576.80	-821.61	2,367.86	2,300.28	67.29	35.184		
7,900.00	7,293.16	7,558.71	7,467.43	56.05	32.00	-168.34	587.07	-833.08	2,398.95	2,330.37	68.19	35.173		
8,000.00	7,384.49	7,649.19	7,557.76	56.81	32.01	-146.75	597.34	-844.55	2,430.04	2,361.46	69.09	35.162		
8,100.00	7,475.82	7,739.67	7,647.99	57.57	32.00	-130.07	607.61	-856.02	2,461.13	2,392.55	69.99	35.151		
8,200.00	7,567.15	7,830.15	7,738.22	58.33	31.99	-117.76	617.88	-867.49	2,492.22	2,423.64	70.89	35.140		
8,300.00	7,658.48	7,920.63	7,828.55	59.09	31.98	-108.46	628.15	-878.96	2,523.31	2,454.73	71.79	35.129		
8,400.00	7,749.81	8,011.11	7,918.88	59.85	31.98	-101.31	638.42	-890.43	2,554.40	2,485.82	72.69	35.118		
8,500.00	7,841.14	8,101.59	8,009.21	60.61	31.98	-95.65	648.69	-901.90	2,585.49	2,516.91	73.59	35.107		
8,600.00	7,932.47	8,192.07	8,099.54	61.37	31.99	-91.40	658.96	-913.37	2,616.58	2,548.00	74.49	35.096		
8,700.00	8,023.80	8,282.55	8,189.87	62.13	32.00	-88.38	669.23	-924.84	2,647.67	2,579.09	75.39	35.085		
8,800.00	8,115.13	8,373.03	8,280.20	62.89	32.01	-87.04	679.50	-936.31	2,678.76	2,610.18	76.29	35.074		
8,900.00	8,206.46	8,463.51	8,370.53	63.65	32.02	-86.29	689.77	-947.78	2,709.85	2,641.27	77.19	35.063		
9,000.00	8,297.79	8,554.00	8,460.86	64.41	32.02	-85.85	699.99	-959.25	2,740.94	2,672.36	78.09	35.052		
9,100.00	8,389.12	8,644.48	8,551.19	65.17	32.02	-85.48	710.26	-970.72	2,772.03	2,703.45	78.99	35.041		
9,200.00	8,480.45	8,734.96	8,641.52	65.93	32.02	-84.92	720.53	-982.19	2,803.12	2,734.54	79.89	35.030		
9,300.00	8,571.78	8,825.44	8,731.85	66.69	32.01	-84.61	730.80	-993.66	2,834.21	2,765.63	80.79	35.019		
9,400.00	8,663.11	8,915.92	8,822.18	67.45	32.00	-84.13	741.07	-1005.13	2,865.30	2,796.72	81.69	35.008		
9,500.00	8,754.44	9,006.40	8,912.51	68.21	31.99	-83.69	751.34	-1016.60	2,896.39	2,827.81	82.59	34.997		
9,600.00	8,845.77	9,096.88	9,002.84	68.97	31.99	-83.69	761.61	-1028.07	2,927.48	2,858.90	83.49	34.986		
9,700.00	8,937.10	9,187.36	9,093.17	69.73	31.97	-83.17	771.88	-1039.54	2,958.57	2,890.00	84.39	34.975		
9,800.00	9,028.43	9,277.84	9,183.50	70.49	31.96	-82.73	782.15	-1051.01	2,989.66	2,921.09	85.29	34.964		
9,900.00	9,119.76	9,368.32	9,273.83	71.25	31.96	-82.73	792.42	-1062.48	3,020.75	2,952.18	86.19	34.953		
10,000.00	9,211.09	9,458.80	9,364.16	72.01	31.96	-82.73	802.69	-1073.95	3,051.84	2,983.27	87.09	34.942		
10,100.00	9,302.42	9,549.28	9,454.49	72.77	31.93	-82.23	812.96	-1085.42	3,082.93	3,014.36	87.99	34.931		
10,200.00	9,393.75	9,639.76	9,544.82	73.53	31.90	-81.74	823.23	-1096.89	3,114.02	3,045.45	88.89	34.920		
10,300.00	9,485.08	9,730.24	9,635.15	74.29	31.90	-81.74	833.50	-1108.36	3,145.11	3,076.54	89.79	34.909		

CC - Min centre to center distance or convergent 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 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
10,400.00	7,780.00	7,500.00	7,407.68	81.78	31.90	-81.74	578.09	-759.30	3,144.88	3,070.57	74.32	42.316		
10,500.00	7,780.00	7,500.00	7,407.68	83.66	31.90	-81.74	578.09	-759.30	3,202.71	3,127.78	74.93	42.745		
10,600.00	7,780.00	7,500.00	7,407.68	85.59	31.90	-81.74	578.09	-759.30	3,262.57	3,187.05	75.52	43.204		
10,700.00	7,780.00	7,476.23	7,385.35	87.57	31.86	-81.26	575.74	-767.09	3,323.96	3,248.01	75.95	43.767		
10,800.00	7,780.00	7,470.06	7,379.50	89.60	31.85	-81.13	575.13	-768.97	3,387.33	3,310.86	76.46	44.300		
10,900.00	7,780.00	7,450.00	7,360.36	91.67	31.82	-80.72	573.10	-774.61	3,452.53	3,375.66	76.88	44.911		
11,000.00	7,780.00	7,450.00	7,360.36	93.79	31.82	-80.72	573.10	-774.61	3,519.08	3,441.69	77.39	45.471		
11,100.00	7,780.00	7,450.00	7,360.36	95.94	31.82	-80.72	573.10	-774.61	3,587.19	3,509.30	77.89	46.055		
11,200.00	7,780.00	7,450.00	7,360.36	98.12	31.82	-80.72	573.10	-774.61	3,656.76	3,578.40	78.36	46.663		
11,300.00	7,780.00	7,450.00	7,360.36	100.33	31.82	-80.72	573.10	-774.61	3,727.72	3,648.90	78.82	47.293		
11,400.00	7,780.00	7,450.00	7,360.36	102.57	31.82	-80.72	573.10	-774.61	3,799.99	3,720.73	79.26	47.944		
11,500.00	7,780.00	7,450.00	7,360.36	104.84	31.82	-80.72	573.10	-774.61	3,873.48	3,793.81	79.68	48.614		
11,600.00	7,780.00	7,450.00	7,360.36	107.13	31.82	-80.72	573.10	-774.61	3,948.15	3,868.07	80.08	49.303		
11,700.00	7,780.00	7,428.88	7,340.01	109.44	31.78	-80.29	570.94	-779.82	4,023.55	3,943.20	80.35	50.076		
11,800.00	7,780.00	7,425.46	7,336.70	111.78	31.77	-80.22	570.59	-780.59	4,100.22	4,019.52	80.70	50.808		
11,900.00	7,780.00	7,422.22	7,333.55	114.13	31.76	-80.15	570.26	-781.30	4,177.86	4,096.83	81.04	51.554		
12,000.00	7,780.00	7,400.00	7,311.90	116.50	31.72	-79.69	567.94	-785.71	4,256.72	4,175.47	81.26	52.386		
12,100.00	7,780.00	7,400.00	7,311.90	118.89	31.72	-79.69	567.94	-785.71	4,336.07	4,254.48	81.59	53.147		
12,200.00	7,780.00	7,400.00	7,311.90	121.29	31.72	-79.69	567.94	-785.71	4,416.25	4,334.35	81.90	53.922		
12,300.00	7,780.00	7,400.00	7,311.90	123.71	31.72	-79.69	567.94	-785.71	4,497.22	4,415.02	82.20	54.710		
12,400.00	7,780.00	7,400.00	7,311.90	126.14	31.72	-79.69	567.94	-785.71	4,578.95	4,496.46	82.49	55.509		
12,500.00	7,780.00	7,400.00	7,311.90	128.58	31.72	-79.69	567.94	-785.71	4,661.39	4,578.63	82.77	56.319		
12,600.00	7,780.00	7,400.00	7,311.90	131.03	31.72	-79.69	567.94	-785.71	4,744.51	4,661.48	83.03	57.140		
12,700.00	7,780.00	7,400.00	7,311.90	133.49	31.72	-79.69	567.94	-785.71	4,828.26	4,744.98	83.29	57.971		
12,800.00	7,780.00	7,400.00	7,311.90	135.97	31.72	-79.69	567.94	-785.71	4,912.63	4,829.10	83.53	58.811		
12,900.00	7,780.00	7,400.00	7,311.90	138.45	31.72	-79.69	567.94	-785.71	4,997.57	4,913.80	83.77	59.660		
13,000.00	7,780.00	7,400.00	7,311.90	140.94	31.72	-79.69	567.94	-785.71	5,083.06	4,999.06	83.99	60.517		
13,100.00	7,780.00	7,400.00	7,311.90	143.44	31.72	-79.69	567.94	-785.71	5,169.07	5,084.86	84.21	61.382		
13,200.00	7,780.00	7,400.00	7,311.90	145.95	31.72	-79.69	567.94	-785.71	5,255.57	5,171.15	84.42	62.255		
13,300.00	7,780.00	7,400.00	7,311.90	148.47	31.72	-79.69	567.94	-785.71	5,342.55	5,257.92	84.62	63.134		
13,400.00	7,780.00	7,400.00	7,311.90	150.99	31.72	-79.69	567.94	-785.71	5,429.97	5,345.15	84.82	64.021		
13,500.00	7,780.00	7,400.00	7,311.90	153.52	31.72	-79.69	567.94	-785.71	5,517.82	5,432.82	85.00	64.913		
13,600.00	7,780.00	7,400.00	7,311.90	156.06	31.72	-79.69	567.94	-785.71	5,606.08	5,520.90	85.18	65.811		
13,700.00	7,780.00	7,400.00	7,311.90	158.60	31.72	-79.69	567.94	-785.71	5,694.73	5,609.37	85.36	66.715		
13,800.00	7,780.00	7,400.00	7,311.90	161.14	31.72	-79.69	567.94	-785.71	5,783.74	5,698.21	85.53	67.624		
13,900.00	7,780.00	7,400.00	7,311.90	163.70	31.72	-79.69	567.94	-785.71	5,873.11	5,787.42	85.69	68.538		
14,000.00	7,780.00	7,400.00	7,311.90	166.25	31.72	-79.69	567.94	-785.71	5,962.82	5,876.97	85.85	69.456		
14,100.00	7,780.00	7,377.37	7,289.69	168.81	31.66	-79.23	565.56	-789.33	6,052.40	5,966.49	85.91	70.447		
14,200.00	7,780.00	7,376.08	7,288.42	171.38	31.66	-79.20	565.42	-789.51	6,142.69	6,056.63	86.06	71.377		
14,300.00	7,780.00	7,374.83	7,287.19	173.95	31.66	-79.17	565.29	-789.68	6,233.27	6,147.07	86.20	72.311		
14,400.00	7,780.00	7,373.62	7,286.00	176.53	31.65	-79.15	565.16	-789.84	6,324.13	6,237.79	86.34	73.249		
14,500.00	7,780.00	7,372.45	7,284.84	179.10	31.65	-79.12	565.04	-790.00	6,415.26	6,328.79	86.47	74.190		
14,600.00	7,780.00	7,350.00	7,262.67	181.69	31.59	-78.66	562.64	-792.53	6,507.05	6,420.53	86.52	75.212		
14,700.00	7,780.00	7,350.00	7,262.67	184.27	31.59	-78.66	562.64	-792.53	6,598.64	6,512.00	86.65	76.154		
14,800.00	7,780.00	7,350.00	7,262.67	186.86	31.59	-78.66	562.64	-792.53	6,690.48	6,603.70	86.78	77.100		
14,900.00	7,780.00	7,350.00	7,262.67	189.45	31.59	-78.66	562.64	-792.53	6,782.55	6,695.65	86.90	78.049		
15,000.00	7,780.00	7,350.00	7,262.67	192.05	31.59	-78.66	562.64	-792.53	6,874.84	6,787.81	87.02	79.000		
15,100.00	7,780.00	7,350.00	7,262.67	194.65	31.59	-78.66	562.64	-792.53	6,967.34	6,880.20	87.14	79.953		
15,200.00	7,780.00	7,350.00	7,262.67	197.25	31.59	-78.66	562.64	-792.53	7,060.04	6,972.79	87.26	80.909		
15,300.00	7,780.00	7,350.00	7,262.67	199.85	31.59	-78.66	562.64	-792.53	7,152.95	7,065.57	87.37	81.867		
15,400.00	7,780.00	7,350.00	7,262.67	202.46	31.59	-78.66	562.64	-792.53	7,246.04	7,158.56	87.48	82.827		
15,500.00	7,780.00	7,350.00	7,262.67	205.07	31.59	-78.66	562.64	-792.53	7,339.31	7,251.72	87.59	83.789		

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 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 2-T4S-R65W - PROSPER FARMS 4-65 2-1-6 3AH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
15,600.00	7,780.00	7,350.00	7,262.67	207.68	31.59	-78.66	562.64	-792.53	7,432.76	7,345.06	87.70	84.753		
15,700.00	7,780.00	7,350.00	7,262.67	210.29	31.59	-78.66	562.64	-792.53	7,526.38	7,438.57	87.80	85.718		
15,800.00	7,780.00	7,350.00	7,262.67	212.91	31.59	-78.66	562.64	-792.53	7,620.16	7,532.25	87.91	86.685		
15,900.00	7,780.00	7,350.00	7,262.67	215.53	31.59	-78.66	562.64	-792.53	7,714.09	7,626.09	88.01	87.654		
16,000.00	7,780.00	7,350.00	7,262.67	218.15	31.59	-78.66	562.64	-792.53	7,808.18	7,720.07	88.11	88.623		
16,100.00	7,780.00	7,350.00	7,262.67	220.77	31.59	-78.66	562.64	-792.53	7,902.41	7,814.21	88.20	89.594		
16,200.00	7,780.00	7,350.00	7,262.67	223.39	31.59	-78.66	562.64	-792.53	7,996.78	7,908.48	88.30	90.566		
16,300.00	7,780.00	7,350.00	7,262.67	226.02	31.59	-78.66	562.64	-792.53	8,091.29	8,002.90	88.39	91.539		
16,400.00	7,780.00	7,350.00	7,262.67	228.65	31.59	-78.66	562.64	-792.53	8,185.92	8,097.44	88.48	92.513		
16,500.00	7,780.00	7,350.00	7,262.67	231.28	31.59	-78.66	562.64	-792.53	8,280.69	8,192.11	88.58	93.487		
16,600.00	7,780.00	7,350.00	7,262.67	233.91	31.59	-78.66	562.64	-792.53	8,375.57	8,286.91	88.67	94.463		
16,700.00	7,780.00	7,350.00	7,262.67	236.54	31.59	-78.66	562.64	-792.53	8,470.57	8,381.82	88.75	95.439		
16,800.00	7,780.00	7,350.00	7,262.67	239.17	31.59	-78.66	562.64	-792.53	8,565.69	8,476.85	88.84	96.416		
16,900.00	7,780.00	7,350.00	7,262.67	241.81	31.59	-78.66	562.64	-792.53	8,660.92	8,571.99	88.93	97.393		
17,000.00	7,780.00	7,350.00	7,262.67	244.44	31.59	-78.66	562.64	-792.53	8,756.25	8,667.24	89.01	98.370		
17,100.00	7,780.00	7,350.00	7,262.67	247.08	31.59	-78.66	562.64	-792.53	8,851.69	8,762.59	89.10	99.348		
17,200.00	7,780.00	7,350.00	7,262.67	249.72	31.59	-78.66	562.64	-792.53	8,947.22	8,858.04	89.18	100.327		
17,300.00	7,780.00	7,350.00	7,262.67	252.36	31.59	-78.66	562.64	-792.53	9,042.85	8,953.59	89.26	101.305		
17,400.00	7,780.00	7,350.00	7,262.67	255.00	31.59	-78.66	562.64	-792.53	9,138.58	9,049.23	89.34	102.284		
17,500.00	7,780.00	7,350.00	7,262.67	257.65	31.59	-78.66	562.64	-792.53	9,234.39	9,144.97	89.43	103.263		
17,600.00	7,780.00	7,350.00	7,262.67	260.29	31.59	-78.66	562.64	-792.53	9,330.30	9,240.79	89.51	104.242		
17,700.00	7,780.00	7,350.00	7,262.67	262.94	31.59	-78.66	562.64	-792.53	9,426.29	9,336.70	89.59	105.221		
17,800.00	7,780.00	7,350.00	7,262.67	265.58	31.59	-78.66	562.64	-792.53	9,522.36	9,432.70	89.66	106.200		
17,900.00	7,780.00	7,350.00	7,262.67	268.23	31.59	-78.66	562.64	-792.53	9,618.51	9,528.77	89.74	107.179		
18,000.00	7,780.00	7,350.00	7,262.67	270.88	31.59	-78.66	562.64	-792.53	9,714.74	9,624.92	89.82	108.158		
18,100.00	7,780.00	7,350.00	7,262.67	273.53	31.59	-78.66	562.64	-792.53	9,811.05	9,721.15	89.90	109.137		
18,200.00	7,780.00	7,350.00	7,262.67	276.18	31.59	-78.66	562.64	-792.53	9,907.42	9,817.45	89.97	110.115		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	0.20	-0.20	0.00	0.00	-179.82	-179.94	-0.56	179.95					
100.00	100.00	100.20	99.80	0.13	0.14	-179.82	-179.94	-0.56	179.95	179.68	0.27	667.526	CC, ES	
200.00	199.98	200.22	199.78	0.49	0.49	-173.92	-179.94	-0.56	181.68	180.69	0.99	183.558		
300.00	299.84	300.36	299.64	0.86	0.85	-174.08	-179.94	-0.56	186.89	185.17	1.72	108.806		
400.00	399.45	400.75	399.25	1.23	1.21	-174.32	-179.94	-0.56	195.56	193.11	2.45	79.913		
500.00	498.70	501.50	498.50	1.63	1.57	-174.63	-179.94	-0.56	207.69	204.51	3.18	65.314		
600.00	597.47	597.27	597.27	2.04	1.92	-174.98	-179.94	-0.56	223.27	219.37	3.90	57.288		
700.00	695.62	697.25	697.23	2.49	2.27	-174.96	-179.61	-2.18	241.92	237.29	4.63	52.300		
800.00	793.06	796.79	796.63	2.97	2.62	-174.25	-178.58	-7.18	263.25	257.89	5.36	49.144		
900.00	889.64	895.59	895.07	3.49	2.98	-173.02	-176.86	-15.48	287.32	281.22	6.10	47.093		
1,000.00	985.27	1,007.23	991.57	4.05	3.39	-171.47	-174.54	-26.69	314.30	307.38	6.92	45.448		
1,100.00	1,079.82	1,087.81	1,085.87	4.65	3.70	-170.13	-172.14	-38.29	344.63	337.00	7.63	45.169		
1,200.00	1,173.17	1,181.79	1,179.11	5.29	4.07	-169.07	-169.77	-49.77	378.34	369.93	8.41	44.996	SF	
1,300.00	1,265.21	1,274.60	1,271.19	5.99	4.43	-168.23	-167.42	-61.11	415.32	406.12	9.19	45.174		
1,400.00	1,356.55	1,366.75	1,362.63	6.71	4.80	-167.71	-165.09	-72.37	453.96	443.98	9.98	45.486		
1,500.00	1,447.88	1,458.91	1,454.07	7.44	5.17	-167.28	-162.76	-83.62	492.64	481.87	10.77	45.746		
1,600.00	1,539.21	1,551.07	1,545.51	8.17	5.54	-166.90	-160.44	-94.88	531.33	519.77	11.57	45.942		
1,700.00	1,630.55	1,643.23	1,636.95	8.91	5.91	-166.58	-158.11	-106.13	570.04	557.68	12.37	46.092		
1,800.00	1,721.88	1,735.39	1,728.39	9.65	6.28	-166.30	-155.78	-117.39	608.77	595.59	13.17	46.206		
1,900.00	1,813.21	1,827.55	1,819.83	10.40	6.66	-166.05	-153.45	-128.65	647.51	633.52	13.99	46.295		
2,000.00	1,904.54	1,919.71	1,911.27	11.15	7.03	-165.83	-151.12	-139.90	686.25	671.45	14.80	46.363		
2,100.00	1,995.88	2,011.87	2,002.71	11.90	7.41	-165.64	-148.79	-151.16	725.00	709.38	15.62	46.415		
2,200.00	2,087.21	2,104.03	2,094.15	12.65	7.79	-165.46	-146.47	-162.42	763.76	747.32	16.44	46.455		
2,300.00	2,178.54	2,203.81	2,185.59	13.41	8.19	-165.30	-144.14	-173.67	802.53	785.23	17.30	46.402		
2,400.00	2,269.87	2,288.34	2,277.02	14.16	8.54	-165.16	-141.81	-184.93	841.30	823.21	18.09	46.509		
2,500.00	2,361.21	2,380.50	2,368.46	14.92	8.92	-165.03	-139.48	-196.19	880.07	861.15	18.92	46.526		
2,600.00	2,452.54	2,472.66	2,459.90	15.67	9.30	-164.91	-137.15	-207.44	918.85	899.10	19.74	46.538		
2,700.00	2,543.87	2,564.82	2,551.34	16.43	9.68	-164.79	-134.82	-218.70	957.63	937.05	20.57	46.546		
2,800.00	2,635.20	2,656.98	2,642.78	17.19	10.06	-164.69	-132.50	-229.95	996.41	975.01	21.40	46.551		
2,900.00	2,726.54	2,749.14	2,734.22	17.95	10.44	-164.60	-130.17	-241.21	1,035.20	1,012.96	22.24	46.554		
3,000.00	2,817.87	2,841.30	2,825.66	18.71	10.82	-164.51	-127.84	-252.47	1,073.98	1,050.92	23.07	46.554		
3,100.00	2,909.20	2,933.46	2,917.10	19.47	11.20	-164.43	-125.51	-263.72	1,112.77	1,088.87	23.90	46.553		
3,200.00	3,000.54	3,025.62	3,008.54	20.22	11.58	-164.35	-123.18	-274.98	1,151.57	1,126.83	24.74	46.551		
3,300.00	3,091.87	3,117.78	3,099.98	20.98	11.96	-164.28	-120.85	-286.24	1,190.36	1,164.79	25.57	46.547		
3,400.00	3,183.20	3,209.93	3,191.42	21.74	12.34	-164.21	-118.53	-297.49	1,229.15	1,202.75	26.41	46.543		
3,500.00	3,274.53	3,302.09	3,282.86	22.50	12.72	-164.15	-116.20	-308.75	1,267.95	1,240.71	27.25	46.537		
3,600.00	3,365.87	3,405.75	3,374.30	23.27	13.15	-164.09	-113.87	-320.01	1,306.75	1,278.62	28.13	46.453		
3,700.00	3,457.20	3,486.41	3,465.74	24.03	13.48	-164.04	-111.54	-331.26	1,345.55	1,316.63	28.92	46.525		
3,800.00	3,548.53	3,578.57	3,557.18	24.79	13.86	-163.99	-109.21	-342.52	1,384.35	1,354.59	29.76	46.519		
3,900.00	3,639.86	3,670.73	3,648.61	25.55	14.25	-163.94	-106.88	-353.78	1,423.15	1,392.55	30.60	46.512		
4,000.00	3,731.20	3,762.89	3,740.05	26.31	14.63	-163.89	-104.56	-365.03	1,461.95	1,430.51	31.44	46.504		
4,100.00	3,822.53	3,855.05	3,831.49	27.07	15.01	-163.84	-102.23	-376.29	1,500.75	1,468.47	32.28	46.497		
4,200.00	3,913.86	3,947.21	3,922.93	27.83	15.39	-163.80	-99.90	-387.54	1,539.55	1,506.44	33.12	46.489		
4,300.00	4,005.19	4,039.36	4,014.37	28.59	15.77	-163.76	-97.57	-398.80	1,578.36	1,544.40	33.96	46.482		
4,400.00	4,096.53	4,131.52	4,105.81	29.35	16.15	-163.72	-95.24	-410.06	1,617.16	1,582.36	34.80	46.474		
4,500.00	4,187.86	4,223.68	4,197.25	30.12	16.54	-163.69	-92.91	-421.31	1,655.97	1,620.33	35.64	46.466		
4,600.00	4,279.19	4,315.84	4,288.69	30.88	16.92	-163.65	-90.59	-432.57	1,694.77	1,658.29	36.48	46.458		
4,700.00	4,370.52	4,408.00	4,380.13	31.64	17.30	-163.62	-88.26	-443.83	1,733.58	1,696.26	37.32	46.450		
4,800.00	4,461.86	4,500.16	4,471.57	32.40	17.68	-163.59	-85.93	-455.08	1,772.38	1,734.22	38.16	46.443		
4,900.00	4,553.19	4,607.68	4,563.01	33.16	18.13	-163.56	-83.60	-466.34	1,811.19	1,772.12	39.07	46.359		
5,000.00	4,644.52	4,684.48	4,654.45	33.93	18.45	-163.53	-81.27	-477.60	1,850.00	1,810.15	39.85	46.427		
5,100.00	4,735.86	4,776.64	4,745.89	34.69	18.83	-163.50	-78.94	-488.85	1,888.80	1,848.11	40.69	46.419		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,827.19	4,868.80	4,837.33	35.45	19.21	-163.47	-76.62	-500.11	1,927.61	1,886.08	41.53	46.411		
5,300.00	4,918.52	4,960.95	4,928.76	36.21	19.59	-163.45	-74.29	-511.37	1,966.42	1,924.04	42.38	46.404		
5,400.00	5,009.85	5,053.11	5,020.20	36.98	19.98	-163.42	-71.96	-522.62	2,005.23	1,962.01	43.22	46.396		
5,500.00	5,101.19	5,145.27	5,111.64	37.74	20.36	-163.40	-69.63	-533.88	2,044.04	1,999.97	44.06	46.389		
5,600.00	5,192.52	5,237.43	5,203.08	38.50	20.74	-163.38	-67.30	-545.13	2,082.85	2,037.94	44.91	46.381		
5,700.00	5,283.85	5,329.59	5,294.52	39.26	21.12	-163.35	-64.97	-556.39	2,121.66	2,075.90	45.75	46.374		
5,800.00	5,375.18	5,421.75	5,385.96	40.03	21.50	-163.33	-62.65	-567.65	2,160.46	2,113.87	46.60	46.366		
5,900.00	5,466.52	5,513.91	5,477.40	40.79	21.89	-163.31	-60.32	-578.90	2,199.27	2,151.83	47.44	46.359		
6,000.00	5,557.85	5,606.07	5,568.84	41.55	22.27	-163.29	-57.99	-590.16	2,238.08	2,189.80	48.28	46.352		
6,100.00	5,649.18	5,701.77	5,660.28	42.31	22.67	-163.27	-55.66	-601.42	2,276.90	2,227.75	49.14	46.330		
6,200.00	5,740.51	5,809.61	5,751.72	43.08	23.11	-163.25	-53.33	-612.67	2,315.71	2,265.65	50.05	46.263		
6,300.00	5,831.85	5,882.54	5,843.16	43.84	23.42	-163.24	-51.00	-623.93	2,354.52	2,303.70	50.82	46.330		
6,400.00	5,923.18	5,974.70	5,934.60	44.60	23.80	-163.22	-48.68	-635.19	2,393.33	2,341.66	51.67	46.323		
6,500.00	6,014.51	6,066.86	6,026.04	45.36	24.18	-163.20	-46.35	-646.44	2,432.14	2,379.63	52.51	46.316		
6,600.00	6,105.85	6,159.02	6,117.48	46.13	24.57	-163.19	-44.02	-657.70	2,470.95	2,417.59	53.36	46.309		
6,700.00	6,197.18	6,251.18	6,208.92	46.89	24.95	-163.17	-41.69	-668.96	2,509.76	2,455.56	54.20	46.302		
6,800.00	6,288.51	6,343.34	6,300.35	47.65	25.33	-163.16	-39.36	-680.21	2,548.57	2,493.52	55.05	46.295		
6,900.00	6,379.84	6,435.50	6,391.79	48.42	25.71	-163.14	-37.03	-691.47	2,587.38	2,531.49	55.90	46.288		
7,000.00	6,471.18	6,527.66	6,483.23	49.18	26.10	-163.13	-34.71	-702.72	2,626.20	2,569.45	56.74	46.282		
7,100.00	6,562.51	6,619.82	6,574.67	49.94	26.48	-163.11	-32.38	-713.98	2,665.01	2,607.42	57.59	46.275		
7,200.00	6,653.84	6,711.98	6,666.11	50.71	26.86	-163.10	-30.05	-725.24	2,703.82	2,645.38	58.44	46.268		
7,300.00	6,745.17	6,804.13	6,757.55	51.47	27.24	-163.09	-27.72	-736.49	2,742.63	2,683.35	59.29	46.262		
7,400.00	6,836.51	6,903.71	6,848.99	52.23	27.66	-163.07	-25.39	-747.75	2,781.44	2,721.28	60.16	46.231		
7,500.00	6,927.84	6,988.45	6,940.43	52.99	28.01	-163.06	-23.06	-759.01	2,820.26	2,759.28	60.98	46.249		
7,600.00	7,019.17	7,080.61	7,031.87	53.76	28.39	-163.05	-20.74	-770.26	2,859.07	2,797.24	61.83	46.242		
7,700.00	7,110.50	7,172.77	7,123.31	54.52	28.78	-163.04	-18.41	-781.52	2,897.88	2,835.21	62.68	46.236		
7,800.00	7,201.84	7,296.76	7,246.47	55.28	29.28	-163.05	-15.29	-795.30	2,936.65	2,872.89	63.76	46.055		
7,900.00	7,293.16	7,692.14	7,617.61	56.05	29.95	-162.70	-7.71	-683.88	2,969.48	2,904.47	65.01	45.677		
8,000.00	7,383.34	7,860.01	7,736.15	56.83	30.11	-142.94	-6.28	-565.88	2,996.96	2,931.78	65.18	45.982		
8,100.00	7,469.66	7,907.93	7,763.18	57.62	30.19	-127.23	-6.10	-526.32	3,023.70	2,958.27	65.43	46.215		
8,200.00	7,549.48	7,910.09	7,764.32	58.39	30.20	-115.52	-6.10	-524.48	3,050.40	2,984.76	65.64	46.471		
8,300.00	7,620.40	7,891.97	7,754.54	59.13	30.16	-106.72	-6.15	-539.75	3,076.37	3,010.55	65.82	46.743		
8,400.00	7,680.24	7,863.50	7,738.23	59.84	30.12	-100.00	-6.26	-563.07	3,100.62	3,034.64	65.98	46.992		
8,500.00	7,727.20	7,829.28	7,717.12	60.51	30.07	-94.87	-6.45	-590.00	3,122.16	3,055.98	66.18	47.180		
8,600.00	7,759.84	7,791.67	7,692.11	61.13	30.03	-91.09	-6.71	-618.08	3,140.05	3,073.62	66.43	47.270		
8,700.00	7,777.18	7,750.00	7,662.32	61.71	29.99	-88.50	-7.08	-647.19	3,153.51	3,086.75	66.76	47.238		
8,800.00	7,780.00	7,711.75	7,633.17	62.25	29.96	-87.33	-7.48	-671.96	3,162.52	3,095.35	67.17	47.081		
8,900.00	7,780.00	7,676.49	7,604.90	62.83	29.94	-86.82	-7.91	-693.01	3,172.57	3,104.92	67.66	46.893		
9,000.00	7,780.00	7,650.00	7,582.84	63.50	29.92	-86.42	-8.26	-707.66	3,185.15	3,116.94	68.21	46.693		
9,100.00	7,780.00	7,620.85	7,557.81	64.25	29.89	-85.97	-8.69	-722.59	3,200.34	3,131.53	68.81	46.507		
9,200.00	7,780.00	7,600.00	7,539.45	65.08	29.88	-85.64	-9.01	-732.47	3,218.21	3,148.73	69.48	46.317		
9,300.00	7,780.00	7,579.48	7,521.05	65.99	29.85	-85.30	-9.34	-741.55	3,238.77	3,168.59	70.18	46.147		
9,400.00	7,780.00	7,550.00	7,494.07	67.00	29.82	-84.82	-9.85	-753.41	3,262.10	3,191.22	70.88	46.023		
9,500.00	7,780.00	7,550.00	7,494.07	68.10	29.82	-84.82	-9.85	-753.41	3,287.99	3,216.28	71.72	45.846		
9,600.00	7,780.00	7,534.66	7,479.81	69.29	29.80	-84.56	-10.12	-759.03	3,316.60	3,244.09	72.51	45.741		
9,700.00	7,780.00	7,522.94	7,468.80	70.56	29.79	-84.36	-10.34	-763.07	3,347.82	3,274.49	73.32	45.658		
9,800.00	7,780.00	7,500.00	7,447.04	71.93	29.76	-83.97	-10.77	-770.31	3,381.67	3,307.58	74.09	45.644		
9,900.00	7,780.00	7,500.00	7,447.04	73.38	29.76	-83.97	-10.77	-770.31	3,417.88	3,342.92	74.97	45.593		
10,000.00	7,780.00	7,500.00	7,447.04	74.91	29.76	-83.97	-10.77	-770.31	3,456.61	3,380.77	75.84	45.579		
10,100.00	7,780.00	7,500.00	7,447.04	76.52	29.76	-83.97	-10.77	-770.31	3,497.76	3,421.07	76.70	45.605		
10,200.00	7,780.00	7,479.46	7,427.32	78.21	29.72	-83.62	-11.18	-776.05	3,541.04	3,463.60	77.44	45.729		
10,300.00	7,780.00	7,472.94	7,421.02	79.96	29.71	-83.51	-11.31	-777.73	3,586.62	3,508.39	78.23	45.847		

CC - Min centre to center distance or convergent 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 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
10,400.00	7,780.00	7,450.00	7,398.72	81.78	29.68	-83.11	-11.78	-783.05	3,634.51	3,555.59	78.91	46.057		
10,500.00	7,780.00	7,450.00	7,398.72	83.66	29.68	-83.11	-11.78	-783.05	3,684.20	3,604.49	79.71	46.223		
10,600.00	7,780.00	7,450.00	7,398.72	85.59	29.68	-83.11	-11.78	-783.05	3,735.90	3,655.43	80.47	46.424		
10,700.00	7,780.00	7,450.00	7,398.72	87.57	29.68	-83.11	-11.78	-783.05	3,789.55	3,708.33	81.22	46.660		
10,800.00	7,780.00	7,450.00	7,398.72	89.60	29.68	-83.11	-11.78	-783.05	3,845.04	3,763.10	81.93	46.928		
10,900.00	7,780.00	7,450.00	7,398.72	91.67	29.68	-83.11	-11.78	-783.05	3,902.31	3,819.68	82.63	47.228		
11,000.00	7,780.00	7,450.00	7,398.72	93.79	29.68	-83.11	-11.78	-783.05	3,961.27	3,877.98	83.29	47.559		
11,100.00	7,780.00	7,450.00	7,398.72	95.94	29.68	-83.11	-11.78	-783.05	4,021.86	3,937.93	83.93	47.918		
11,200.00	7,780.00	7,450.00	7,398.72	98.12	29.68	-83.11	-11.78	-783.05	4,084.00	3,999.45	84.55	48.304		
11,300.00	7,780.00	7,429.04	7,378.16	100.33	29.63	-82.74	-12.23	-787.12	4,147.31	4,062.29	85.02	48.778		
11,400.00	7,780.00	7,426.05	7,375.22	102.57	29.63	-82.69	-12.29	-787.64	4,212.24	4,126.67	85.58	49.223		
11,500.00	7,780.00	7,423.23	7,372.44	104.84	29.62	-82.64	-12.35	-788.12	4,278.52	4,192.41	86.10	49.691		
11,600.00	7,780.00	7,420.56	7,369.81	107.13	29.61	-82.59	-12.41	-788.56	4,346.07	4,259.46	86.61	50.180		
11,700.00	7,780.00	7,400.00	7,349.47	109.44	29.57	-82.23	-12.86	-791.52	4,415.08	4,328.09	86.99	50.752		
11,800.00	7,780.00	7,400.00	7,349.47	111.78	29.57	-82.23	-12.86	-791.52	4,484.97	4,397.49	87.47	51.274		
11,900.00	7,780.00	7,400.00	7,349.47	114.13	29.57	-82.23	-12.86	-791.52	4,555.97	4,468.04	87.93	51.814		
12,000.00	7,780.00	7,400.00	7,349.47	116.50	29.57	-82.23	-12.86	-791.52	4,628.05	4,539.69	88.37	52.374		
12,100.00	7,780.00	7,400.00	7,349.47	118.89	29.57	-82.23	-12.86	-791.52	4,701.15	4,612.37	88.78	52.951		
12,200.00	7,780.00	7,400.00	7,349.47	121.29	29.57	-82.23	-12.86	-791.52	4,775.23	4,686.05	89.18	53.544		
12,300.00	7,780.00	7,400.00	7,349.47	123.71	29.57	-82.23	-12.86	-791.52	4,850.24	4,760.67	89.57	54.153		
12,400.00	7,780.00	7,400.00	7,349.47	126.14	29.57	-82.23	-12.86	-791.52	4,926.13	4,836.20	89.93	54.777		
12,500.00	7,780.00	7,400.00	7,349.47	128.58	29.57	-82.23	-12.86	-791.52	5,002.88	4,912.60	90.28	55.415		
12,600.00	7,780.00	7,400.00	7,349.47	131.03	29.57	-82.23	-12.86	-791.52	5,080.43	4,989.82	90.61	56.067		
12,700.00	7,780.00	7,400.00	7,349.47	133.49	29.57	-82.23	-12.86	-791.52	5,158.75	5,067.82	90.93	56.731		
12,800.00	7,780.00	7,400.00	7,349.47	135.97	29.57	-82.23	-12.86	-791.52	5,237.82	5,146.58	91.24	57.407		
12,900.00	7,780.00	7,400.00	7,349.47	138.45	29.57	-82.23	-12.86	-791.52	5,317.58	5,226.05	91.53	58.095		
13,000.00	7,780.00	7,400.00	7,349.47	140.94	29.57	-82.23	-12.86	-791.52	5,398.03	5,306.21	91.81	58.793		
13,100.00	7,780.00	7,400.00	7,349.47	143.44	29.57	-82.23	-12.86	-791.52	5,479.11	5,387.03	92.08	59.502		
13,200.00	7,780.00	7,400.00	7,349.47	145.95	29.57	-82.23	-12.86	-791.52	5,560.81	5,468.47	92.34	60.220		
13,300.00	7,780.00	7,400.00	7,349.47	148.47	29.57	-82.23	-12.86	-791.52	5,643.10	5,550.52	92.59	60.948		
13,400.00	7,780.00	7,400.00	7,349.47	150.99	29.57	-82.23	-12.86	-791.52	5,725.96	5,633.13	92.83	61.685		
13,500.00	7,780.00	7,400.00	7,349.47	153.52	29.57	-82.23	-12.86	-791.52	5,809.35	5,716.30	93.05	62.430		
13,600.00	7,780.00	7,400.00	7,349.47	156.06	29.57	-82.23	-12.86	-791.52	5,893.27	5,799.99	93.27	63.183		
13,700.00	7,780.00	7,400.00	7,349.47	158.60	29.57	-82.23	-12.86	-791.52	5,977.67	5,884.19	93.48	63.943		
13,800.00	7,780.00	7,400.00	7,349.47	161.14	29.57	-82.23	-12.86	-791.52	6,062.55	5,968.86	93.69	64.711		
13,900.00	7,780.00	7,400.00	7,349.47	163.70	29.57	-82.23	-12.86	-791.52	6,147.89	6,054.00	93.88	65.485		
14,000.00	7,780.00	7,400.00	7,349.47	166.25	29.57	-82.23	-12.86	-791.52	6,233.66	6,139.59	94.07	66.266		
14,100.00	7,780.00	7,400.00	7,349.47	168.81	29.57	-82.23	-12.86	-791.52	6,319.85	6,225.60	94.25	67.053		
14,200.00	7,780.00	7,400.00	7,349.47	171.38	29.57	-82.23	-12.86	-791.52	6,406.44	6,312.01	94.43	67.846		
14,300.00	7,780.00	7,400.00	7,349.47	173.95	29.57	-82.23	-12.86	-791.52	6,493.42	6,398.82	94.59	68.645		
14,400.00	7,780.00	7,400.00	7,349.47	176.53	29.57	-82.23	-12.86	-791.52	6,580.76	6,486.00	94.76	69.449		
14,500.00	7,780.00	7,400.00	7,349.47	179.10	29.57	-82.23	-12.86	-791.52	6,668.46	6,573.55	94.91	70.258		
14,600.00	7,780.00	7,400.00	7,349.47	181.69	29.57	-82.23	-12.86	-791.52	6,756.51	6,661.44	95.07	71.072		
14,700.00	7,780.00	7,377.37	7,326.97	184.27	29.52	-81.83	-13.37	-793.94	6,844.44	6,749.33	95.12	71.957		
14,800.00	7,780.00	7,376.63	7,326.24	186.86	29.51	-81.82	-13.39	-794.00	6,933.10	6,837.84	95.26	72.782		
14,900.00	7,780.00	7,375.91	7,325.53	189.45	29.51	-81.80	-13.41	-794.07	7,022.06	6,926.67	95.39	73.611		
15,000.00	7,780.00	7,375.22	7,324.83	192.05	29.51	-81.79	-13.42	-794.12	7,111.32	7,015.79	95.53	74.444		
15,100.00	7,780.00	7,374.54	7,324.16	194.65	29.51	-81.78	-13.44	-794.18	7,200.86	7,105.20	95.65	75.281		
15,200.00	7,780.00	7,373.89	7,323.51	197.25	29.51	-81.77	-13.45	-794.23	7,290.66	7,194.89	95.78	76.121		
15,300.00	7,780.00	7,373.25	7,322.87	199.85	29.51	-81.76	-13.47	-794.29	7,380.73	7,284.83	95.90	76.965		
15,400.00	7,780.00	7,350.00	7,299.67	202.46	29.45	-81.35	-14.01	-795.67	7,471.49	7,375.58	95.92	77.896		
15,500.00	7,780.00	7,350.00	7,299.67	205.07	29.45	-81.35	-14.01	-795.67	7,562.03	7,466.00	96.03	78.743		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SEC 2-T4S-R65W - PROSPER FARMS 4-65 2-1-6 3BH - OWB - PROPOSAL 1												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 0-MWD OWSG												<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	7,350.00	7,299.67	207.68	29.45	-81.35	-14.01	-795.67	7,652.81	7,556.66	96.15	79.594	
15,700.00	7,780.00	7,350.00	7,299.67	210.29	29.45	-81.35	-14.01	-795.67	7,743.81	7,647.55	96.26	80.447	
15,800.00	7,780.00	7,350.00	7,299.67	212.91	29.45	-81.35	-14.01	-795.67	7,835.04	7,738.67	96.37	81.303	
15,900.00	7,780.00	7,350.00	7,299.67	215.53	29.45	-81.35	-14.01	-795.67	7,926.47	7,830.00	96.47	82.161	
16,000.00	7,780.00	7,350.00	7,299.67	218.15	29.45	-81.35	-14.01	-795.67	8,018.11	7,921.53	96.58	83.022	
16,100.00	7,780.00	7,350.00	7,299.67	220.77	29.45	-81.35	-14.01	-795.67	8,109.95	8,013.27	96.68	83.885	
16,200.00	7,780.00	7,350.00	7,299.67	223.39	29.45	-81.35	-14.01	-795.67	8,201.98	8,105.20	96.78	84.751	
16,300.00	7,780.00	7,350.00	7,299.67	226.02	29.45	-81.35	-14.01	-795.67	8,294.19	8,197.31	96.87	85.618	
16,400.00	7,780.00	7,350.00	7,299.67	228.65	29.45	-81.35	-14.01	-795.67	8,386.58	8,289.61	96.97	86.487	
16,500.00	7,780.00	7,350.00	7,299.67	231.28	29.45	-81.35	-14.01	-795.67	8,479.14	8,382.08	97.06	87.358	
16,600.00	7,780.00	7,350.00	7,299.67	233.91	29.45	-81.35	-14.01	-795.67	8,571.87	8,474.72	97.15	88.231	
16,700.00	7,780.00	7,350.00	7,299.67	236.54	29.45	-81.35	-14.01	-795.67	8,664.77	8,567.53	97.24	89.106	
16,800.00	7,780.00	7,350.00	7,299.67	239.17	29.45	-81.35	-14.01	-795.67	8,757.82	8,660.49	97.33	89.982	
16,900.00	7,780.00	7,350.00	7,299.67	241.81	29.45	-81.35	-14.01	-795.67	8,851.02	8,753.60	97.41	90.859	
17,000.00	7,780.00	7,350.00	7,299.67	244.44	29.45	-81.35	-14.01	-795.67	8,944.36	8,846.87	97.50	91.738	
17,100.00	7,780.00	7,350.00	7,299.67	247.08	29.45	-81.35	-14.01	-795.67	9,037.85	8,940.27	97.58	92.618	
17,200.00	7,780.00	7,350.00	7,299.67	249.72	29.45	-81.35	-14.01	-795.67	9,131.48	9,033.82	97.66	93.499	
17,300.00	7,780.00	7,350.00	7,299.67	252.36	29.45	-81.35	-14.01	-795.67	9,225.24	9,127.50	97.74	94.382	
17,400.00	7,780.00	7,350.00	7,299.67	255.00	29.45	-81.35	-14.01	-795.67	9,319.13	9,221.31	97.82	95.265	
17,500.00	7,780.00	7,350.00	7,299.67	257.65	29.45	-81.35	-14.01	-795.67	9,413.15	9,315.25	97.90	96.150	
17,600.00	7,780.00	7,350.00	7,299.67	260.29	29.45	-81.35	-14.01	-795.67	9,507.29	9,409.31	97.98	97.035	
17,700.00	7,780.00	7,350.00	7,299.67	262.94	29.45	-81.35	-14.01	-795.67	9,601.55	9,503.49	98.05	97.921	
17,800.00	7,780.00	7,350.00	7,299.67	265.58	29.45	-81.35	-14.01	-795.67	9,695.92	9,597.79	98.13	98.809	
17,900.00	7,780.00	7,350.00	7,299.67	268.23	29.45	-81.35	-14.01	-795.67	9,790.41	9,692.20	98.20	99.696	
18,000.00	7,780.00	7,350.00	7,299.67	270.88	29.45	-81.35	-14.01	-795.67	9,885.00	9,786.72	98.28	100.585	
18,100.00	7,780.00	7,350.00	7,299.67	273.53	29.45	-81.35	-14.01	-795.67	9,979.70	9,881.35	98.35	101.474	

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	0.10	-0.10	0.00	0.00	-179.76	-199.98	-0.84	199.99					
100.00	100.00	100.10	99.90	0.13	0.13	-179.76	-199.98	-0.84	199.99	199.72	0.27	742.854	CC, ES	
200.00	199.98	200.12	199.88	0.49	0.49	-173.85	-199.98	-0.84	201.72	200.73	0.99	203.879		
300.00	299.84	300.26	299.74	0.86	0.85	-173.99	-199.98	-0.84	206.92	205.21	1.72	120.499		
400.00	399.45	400.65	399.35	1.23	1.21	-174.22	-199.98	-0.84	215.59	213.15	2.45	88.114		
500.00	498.70	501.40	498.60	1.63	1.57	-174.51	-199.98	-0.84	227.72	224.54	3.18	71.623		
600.00	597.47	602.63	597.37	2.04	1.94	-174.83	-199.98	-0.84	243.30	239.38	3.92	62.121		
700.00	695.62	695.52	695.52	2.49	2.27	-175.17	-199.98	-0.84	262.31	257.68	4.63	56.693		
800.00	793.06	788.96	788.94	2.97	2.59	-175.25	-200.64	-2.06	285.38	280.05	5.33	53.505		
900.00	889.64	880.62	880.50	3.49	2.91	-174.84	-202.68	-5.86	313.24	307.21	6.03	51.943		
1,000.00	985.27	970.30	969.89	4.05	3.22	-174.09	-206.02	-12.07	345.82	339.09	6.73	51.408		
1,100.00	1,079.82	1,057.64	1,056.71	4.65	3.53	-173.11	-210.54	-20.48	383.08	375.65	7.42	51.598		
1,200.00	1,173.17	1,144.68	1,142.93	5.29	3.86	-171.99	-216.20	-31.00	424.85	416.72	8.13	52.242		
1,300.00	1,265.21	1,233.67	1,231.00	5.99	4.20	-170.99	-222.22	-42.20	470.08	461.22	8.87	53.022		
1,400.00	1,356.55	1,321.85	1,318.28	6.71	4.55	-170.33	-228.18	-53.29	516.96	507.36	9.60	53.859		
1,500.00	1,447.88	1,410.04	1,405.57	7.44	4.90	-169.78	-234.15	-64.39	563.88	553.55	10.33	54.564		
1,600.00	1,539.21	1,501.77	1,492.85	8.17	5.27	-169.31	-240.11	-75.48	610.84	599.75	11.09	55.067		
1,700.00	1,630.55	1,586.42	1,580.14	8.91	5.62	-168.91	-246.08	-86.58	657.82	645.99	11.83	55.603		
1,800.00	1,721.88	1,674.61	1,667.42	9.65	5.98	-168.57	-252.04	-97.67	704.83	692.24	12.59	55.990		
1,900.00	1,813.21	1,762.80	1,754.71	10.40	6.35	-168.26	-258.00	-108.77	751.85	738.50	13.35	56.314		
2,000.00	1,904.54	1,850.99	1,841.99	11.15	6.72	-168.00	-263.97	-119.86	798.89	784.77	14.12	56.588		
2,100.00	1,995.88	1,939.17	1,929.27	11.90	7.09	-167.76	-269.93	-130.96	845.94	831.05	14.89	56.820		
2,200.00	2,087.21	2,027.36	2,016.56	12.65	7.46	-167.55	-275.90	-142.05	893.00	877.34	15.66	57.020		
2,300.00	2,178.54	2,115.55	2,103.84	13.41	7.83	-167.35	-281.86	-153.14	940.07	923.63	16.44	57.191		
2,400.00	2,269.87	2,203.74	2,191.13	14.16	8.20	-167.18	-287.83	-164.24	987.15	969.93	17.22	57.341		
2,500.00	2,361.21	2,308.07	2,278.41	14.92	8.65	-167.02	-293.79	-175.33	1,034.23	1,016.17	18.06	57.262		
2,600.00	2,452.54	2,380.12	2,365.70	15.67	8.95	-166.88	-299.76	-186.43	1,081.32	1,062.54	18.78	57.584		
2,700.00	2,543.87	2,468.31	2,452.98	16.43	9.33	-166.75	-305.72	-197.52	1,128.41	1,108.85	19.56	57.685		
2,800.00	2,635.20	2,556.49	2,540.26	17.19	9.71	-166.63	-311.69	-208.62	1,175.51	1,155.16	20.35	57.773		
2,900.00	2,726.54	2,644.68	2,627.55	17.95	10.08	-166.51	-317.65	-219.71	1,222.61	1,201.48	21.13	57.852		
3,000.00	2,817.87	2,732.87	2,714.83	18.71	10.46	-166.41	-323.62	-230.81	1,269.91	1,247.79	21.92	57.923		
3,100.00	2,909.20	2,821.06	2,802.12	19.47	10.84	-166.32	-329.58	-241.90	1,316.82	1,294.11	22.71	57.986		
3,200.00	3,000.54	2,909.25	2,889.40	20.22	11.22	-166.23	-335.54	-253.00	1,363.93	1,340.43	23.50	58.042		
3,300.00	3,091.87	2,997.44	2,976.69	20.98	11.59	-166.14	-341.51	-264.09	1,411.04	1,386.76	24.29	58.093		
3,400.00	3,183.20	3,085.62	3,063.97	21.74	11.97	-166.06	-347.47	-275.18	1,458.16	1,433.08	25.08	58.139		
3,500.00	3,274.53	3,173.81	3,151.25	22.50	12.35	-165.99	-353.44	-286.28	1,505.28	1,479.40	25.87	58.180		
3,600.00	3,365.87	3,262.00	3,238.54	23.27	12.73	-165.92	-359.40	-297.37	1,552.39	1,525.73	26.67	58.218		
3,700.00	3,457.20	3,350.19	3,325.82	24.03	13.11	-165.86	-365.37	-308.47	1,599.51	1,572.06	27.46	58.252		
3,800.00	3,548.53	3,438.38	3,413.11	24.79	13.49	-165.80	-371.33	-319.56	1,646.64	1,618.38	28.25	58.283		
3,900.00	3,639.86	3,526.57	3,500.39	25.55	13.87	-165.74	-377.30	-330.66	1,693.76	1,664.71	29.05	58.311		
4,000.00	3,731.20	3,614.76	3,587.68	26.31	14.25	-165.68	-383.26	-341.75	1,740.88	1,711.04	29.84	58.336		
4,100.00	3,822.53	3,702.94	3,674.96	27.07	14.63	-165.63	-389.23	-352.85	1,788.01	1,757.37	30.64	58.360		
4,200.00	3,913.86	3,808.87	3,762.24	27.83	15.09	-165.58	-395.19	-363.94	1,835.14	1,803.63	31.51	58.246		
4,300.00	4,005.19	3,879.32	3,849.53	28.59	15.40	-165.54	-401.16	-375.04	1,882.26	1,850.03	32.23	58.401		
4,400.00	4,096.53	3,967.51	3,936.81	29.35	15.78	-165.49	-407.12	-386.13	1,929.39	1,896.36	33.03	58.418		
4,500.00	4,187.86	4,055.70	4,024.10	30.12	16.16	-165.45	-413.08	-397.23	1,976.52	1,942.70	33.82	58.435		
4,600.00	4,279.19	4,143.89	4,111.38	30.88	16.54	-165.41	-419.05	-408.32	2,023.65	1,989.03	34.62	58.450		
4,700.00	4,370.52	4,232.08	4,198.67	31.64	16.92	-165.37	-425.01	-419.41	2,070.78	2,035.36	35.42	58.463		
4,800.00	4,461.86	4,320.26	4,285.95	32.40	17.30	-165.33	-430.98	-430.51	2,117.91	2,081.70	36.22	58.475		
4,900.00	4,553.19	4,408.45	4,373.23	33.16	17.69	-165.30	-436.94	-441.60	2,165.05	2,128.03	37.02	58.487		
5,000.00	4,644.52	4,503.36	4,460.52	33.93	18.10	-165.27	-442.91	-452.70	2,212.18	2,174.33	37.84	58.454		
5,100.00	4,735.86	4,584.83	4,547.80	34.69	18.45	-165.23	-448.87	-463.79	2,259.31	2,220.70	38.62	58.506		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,827.19	4,673.02	4,635.09	35.45	18.83	-165.20	-454.84	-474.89	2,306.45	2,267.03	39.42	58.515		
5,300.00	4,918.52	4,761.21	4,722.37	36.21	19.21	-165.17	-460.80	-485.98	2,353.58	2,313.36	40.22	58.523		
5,400.00	5,009.85	4,849.40	4,809.66	36.98	19.60	-165.14	-466.77	-497.08	2,400.72	2,359.70	41.02	58.530		
5,500.00	5,101.19	4,937.58	4,896.94	37.74	19.98	-165.12	-472.73	-508.17	2,447.85	2,406.03	41.82	58.536		
5,600.00	5,192.52	5,025.77	4,984.22	38.50	20.36	-165.09	-478.70	-519.27	2,494.99	2,452.37	42.62	58.542		
5,700.00	5,283.85	5,113.96	5,071.51	39.26	20.74	-165.07	-484.66	-530.36	2,542.12	2,498.70	43.42	58.547		
5,800.00	5,375.18	5,202.15	5,158.79	40.03	21.12	-165.04	-490.62	-541.45	2,589.26	2,545.04	44.22	58.551		
5,900.00	5,466.52	5,309.66	5,246.08	40.79	21.59	-165.02	-496.59	-552.55	2,636.40	2,591.29	45.10	58.452		
6,000.00	5,557.85	5,378.53	5,333.36	41.55	21.89	-164.99	-502.55	-563.64	2,683.53	2,637.71	45.83	58.558		
6,100.00	5,649.18	5,466.72	5,420.65	42.31	22.27	-164.97	-508.52	-574.74	2,730.67	2,684.04	46.63	58.561		
6,200.00	5,740.51	5,554.90	5,507.93	43.08	22.65	-164.95	-514.48	-585.83	2,777.81	2,730.38	47.43	58.564		
6,300.00	5,831.85	5,643.09	5,595.21	43.84	23.04	-164.93	-520.45	-596.93	2,824.95	2,776.71	48.24	58.566		
6,400.00	5,923.18	5,731.28	5,682.50	44.60	23.42	-164.91	-526.41	-608.02	2,872.09	2,823.05	49.04	58.568		
6,500.00	6,014.51	5,819.47	5,769.78	45.36	23.80	-164.89	-532.38	-619.12	2,919.22	2,869.38	49.84	58.569		
6,600.00	6,105.85	5,907.66	5,857.07	46.13	24.19	-164.87	-538.34	-630.21	2,966.36	2,915.72	50.65	58.570		
6,700.00	6,197.18	6,004.15	5,944.35	46.89	24.60	-164.86	-544.31	-641.31	3,013.50	2,962.02	51.49	58.531		
6,800.00	6,288.51	6,084.03	6,031.64	47.65	24.95	-164.84	-550.27	-652.40	3,060.64	3,008.39	52.26	58.571		
6,900.00	6,379.84	6,172.22	6,118.92	48.42	25.33	-164.82	-556.24	-663.49	3,107.78	3,054.72	53.06	58.571		
7,000.00	6,471.18	6,260.41	6,206.21	49.18	25.72	-164.80	-562.20	-674.59	3,154.92	3,101.06	53.87	58.570		
7,100.00	6,562.51	6,348.60	6,293.49	49.94	26.10	-164.79	-568.16	-685.68	3,202.06	3,147.39	54.67	58.570		
7,200.00	6,653.84	6,436.79	6,380.77	50.71	26.48	-164.77	-574.13	-696.78	3,249.20	3,193.72	55.48	58.569		
7,300.00	6,745.17	6,524.98	6,468.06	51.47	26.87	-164.76	-580.09	-707.87	3,296.34	3,240.06	56.28	58.568		
7,400.00	6,836.51	6,613.17	6,555.34	52.23	27.25	-164.74	-586.06	-718.97	3,343.48	3,286.39	57.09	58.566		
7,500.00	6,927.84	6,701.35	6,642.63	52.99	27.63	-164.73	-592.02	-730.06	3,390.62	3,332.73	57.90	58.565		
7,600.00	7,019.17	6,789.54	6,729.91	53.76	28.02	-164.72	-597.99	-741.16	3,437.76	3,379.06	58.70	58.563		
7,700.00	7,110.50	6,877.73	6,817.20	54.52	28.40	-164.70	-603.95	-752.25	3,484.90	3,425.39	59.51	58.561		
7,800.00	7,201.84	6,965.92	6,904.48	55.28	28.78	-164.69	-609.92	-763.35	3,532.05	3,471.73	60.32	58.558		
7,900.00	7,293.16	7,054.12	6,991.78	56.05	29.16	-160.96	-615.88	-774.44	3,579.16	3,518.04	61.12	58.555		
8,000.00	7,383.34	7,142.58	7,079.33	56.83	29.55	-136.52	-621.87	-785.57	3,624.40	3,562.44	61.96	58.497		
8,100.00	7,469.66	7,296.88	7,232.61	57.62	30.15	-119.27	-632.44	-796.96	3,665.50	3,602.22	63.27	57.932		
8,200.00	7,549.48	7,482.78	7,413.39	58.39	30.51	-108.94	-645.51	-759.52	3,699.68	3,635.36	64.32	57.517		
8,300.00	7,620.40	7,556.83	7,480.45	59.13	30.58	-101.32	-650.57	-728.64	3,729.01	3,664.22	64.79	57.559		
8,400.00	7,680.24	7,577.49	7,498.39	59.84	30.59	-95.39	-651.94	-718.50	3,754.41	3,689.26	65.15	57.631		
8,500.00	7,727.20	7,572.64	7,494.21	60.51	30.59	-90.88	-651.62	-720.94	3,775.59	3,710.08	65.52	57.629		
8,600.00	7,759.84	7,554.48	7,478.39	61.13	30.58	-87.63	-650.41	-729.75	3,791.96	3,726.02	65.94	57.507		
8,700.00	7,777.18	7,528.82	7,455.56	61.71	30.55	-85.55	-648.68	-741.34	3,802.90	3,736.47	66.43	57.243		
8,800.00	7,780.00	7,500.00	7,429.33	62.25	30.53	-84.71	-646.70	-753.12	3,808.63	3,741.62	67.01	56.840		
8,900.00	7,780.00	7,474.67	7,405.82	62.83	30.50	-84.36	-644.95	-762.37	3,815.21	3,747.54	67.66	56.384		
9,000.00	7,780.00	7,450.00	7,382.55	63.50	30.47	-84.00	-643.23	-770.37	3,824.19	3,755.80	68.40	55.912		
9,100.00	7,780.00	7,438.00	7,371.10	64.25	30.45	-83.83	-642.39	-773.90	3,835.60	3,766.36	69.24	55.393		
9,200.00	7,780.00	7,424.13	7,357.79	65.08	30.42	-83.63	-641.41	-777.67	3,849.47	3,779.34	70.14	54.883		
9,300.00	7,780.00	7,412.36	7,346.44	65.99	30.40	-83.46	-640.58	-780.62	3,865.80	3,794.70	71.09	54.375		
9,400.00	7,780.00	7,400.00	7,334.44	67.00	30.38	-83.28	-639.71	-783.46	3,884.56	3,812.47	72.09	53.887		
9,500.00	7,780.00	7,400.00	7,334.44	68.10	30.38	-83.28	-639.71	-783.46	3,905.75	3,832.57	73.18	53.373		
9,600.00	7,780.00	7,385.85	7,320.63	69.29	30.36	-83.07	-638.71	-786.40	3,929.30	3,855.09	74.21	52.947		
9,700.00	7,780.00	7,379.09	7,314.01	70.56	30.34	-82.97	-638.23	-787.68	3,955.21	3,879.91	75.30	52.523		
9,800.00	7,780.00	7,373.08	7,308.11	71.93	30.33	-82.88	-637.81	-788.76	3,983.44	3,907.03	76.41	52.132		
9,900.00	7,780.00	7,367.71	7,302.83	73.38	30.32	-82.80	-637.43	-789.67	4,013.94	3,936.42	77.53	51.776		
10,000.00	7,780.00	7,350.00	7,285.37	74.91	30.28	-82.54	-636.18	-792.30	4,046.73	3,968.17	78.56	51.512		
10,100.00	7,780.00	7,350.00	7,285.37	76.52	30.28	-82.54	-636.18	-792.30	4,081.59	4,001.89	79.70	51.213		
10,200.00	7,780.00	7,350.00	7,285.37	78.21	30.28	-82.54	-636.18	-792.30	4,118.57	4,037.75	80.83	50.956		
10,300.00	7,780.00	7,350.00	7,285.37	79.96	30.28	-82.54	-636.18	-792.30	4,157.63	4,075.70	81.94	50.742		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
10,400.00	7,780.00	7,350.00	7,285.37	81.78	30.28	-82.54	-636.18	-792.30	4,198.72	4,115.69	83.03	50.569		
10,500.00	7,780.00	7,350.00	7,285.37	83.66	30.28	-82.54	-636.18	-792.30	4,241.76	4,157.66	84.10	50.437		
10,600.00	7,780.00	7,350.00	7,285.37	85.59	30.28	-82.54	-636.18	-792.30	4,286.70	4,201.55	85.15	50.344		
10,700.00	7,780.00	7,350.00	7,285.37	87.57	30.28	-82.54	-636.18	-792.30	4,333.48	4,247.32	86.17	50.291		
10,800.00	7,780.00	7,350.00	7,285.37	89.60	30.28	-82.54	-636.18	-792.30	4,382.05	4,294.89	87.16	50.274 SF		
10,900.00	7,780.00	7,350.00	7,285.37	91.67	30.28	-82.54	-636.18	-792.30	4,432.34	4,344.21	88.13	50.293		
11,000.00	7,780.00	7,350.00	7,285.37	93.79	30.28	-82.54	-636.18	-792.30	4,484.30	4,395.23	89.07	50.348		
11,100.00	7,780.00	7,330.46	7,266.01	95.94	30.23	-82.25	-634.80	-794.59	4,537.65	4,447.80	89.85	50.504		
11,200.00	7,780.00	7,328.63	7,264.20	98.12	30.23	-82.22	-634.67	-794.77	4,592.72	4,502.00	90.71	50.628		
11,300.00	7,780.00	7,326.91	7,262.49	100.33	30.23	-82.20	-634.55	-794.93	4,649.28	4,557.73	91.55	50.783		
11,400.00	7,780.00	7,325.29	7,260.88	102.57	30.22	-82.17	-634.43	-795.08	4,707.29	4,614.93	92.36	50.966		
11,500.00	7,780.00	7,323.77	7,259.37	104.84	30.22	-82.15	-634.33	-795.22	4,766.68	4,673.54	93.14	51.176		
11,600.00	7,780.00	7,322.33	7,257.94	107.13	30.21	-82.13	-634.23	-795.34	4,827.42	4,733.52	93.90	51.412		
11,700.00	7,780.00	7,320.97	7,256.59	109.44	30.21	-82.11	-634.13	-795.46	4,889.44	4,794.82	94.62	51.674		
11,800.00	7,780.00	7,300.00	7,235.71	111.78	30.16	-81.79	-632.66	-796.82	4,952.96	4,857.77	95.19	52.035		
11,900.00	7,780.00	7,300.00	7,235.71	114.13	30.16	-81.79	-632.66	-796.82	5,017.39	4,921.52	95.87	52.337		
12,000.00	7,780.00	7,300.00	7,235.71	116.50	30.16	-81.79	-632.66	-796.82	5,082.97	4,986.45	96.52	52.662		
12,100.00	7,780.00	7,300.00	7,235.71	118.89	30.16	-81.79	-632.66	-796.82	5,149.66	5,052.51	97.15	53.007		
12,200.00	7,780.00	7,300.00	7,235.71	121.29	30.16	-81.79	-632.66	-796.82	5,217.41	5,119.65	97.75	53.373		
12,300.00	7,780.00	7,300.00	7,235.71	123.71	30.16	-81.79	-632.66	-796.82	5,286.18	5,187.85	98.33	53.757		
12,400.00	7,780.00	7,300.00	7,235.71	126.14	30.16	-81.79	-632.66	-796.82	5,355.94	5,257.05	98.89	54.159		
12,500.00	7,780.00	7,300.00	7,235.71	128.58	30.16	-81.79	-632.66	-796.82	5,426.65	5,327.22	99.43	54.579		
12,600.00	7,780.00	7,300.00	7,235.71	131.03	30.16	-81.79	-632.66	-796.82	5,498.26	5,398.32	99.94	55.015		
12,700.00	7,780.00	7,300.00	7,235.71	133.49	30.16	-81.79	-632.66	-796.82	5,570.75	5,470.31	100.43	55.467		
12,800.00	7,780.00	7,300.00	7,235.71	135.97	30.16	-81.79	-632.66	-796.82	5,644.08	5,543.17	100.91	55.933		
12,900.00	7,780.00	7,300.00	7,235.71	138.45	30.16	-81.79	-632.66	-796.82	5,718.22	5,616.85	101.36	56.413		
13,000.00	7,780.00	7,300.00	7,235.71	140.94	30.16	-81.79	-632.66	-796.82	5,793.13	5,691.33	101.80	56.907		
13,100.00	7,780.00	7,300.00	7,235.71	143.44	30.16	-81.79	-632.66	-796.82	5,868.80	5,766.58	102.22	57.414		
13,200.00	7,780.00	7,300.00	7,235.71	145.95	30.16	-81.79	-632.66	-796.82	5,945.18	5,842.56	102.62	57.933		
13,300.00	7,780.00	7,300.00	7,235.71	148.47	30.16	-81.79	-632.66	-796.82	6,022.25	5,919.24	103.01	58.464		
13,400.00	7,780.00	7,300.00	7,235.71	150.99	30.16	-81.79	-632.66	-796.82	6,099.99	5,996.61	103.38	59.006		
13,500.00	7,780.00	7,300.00	7,235.71	153.52	30.16	-81.79	-632.66	-796.82	6,178.37	6,074.64	103.74	59.559		
13,600.00	7,780.00	7,300.00	7,235.71	156.06	30.16	-81.79	-632.66	-796.82	6,257.37	6,153.29	104.08	60.121		
13,700.00	7,780.00	7,300.00	7,235.71	158.60	30.16	-81.79	-632.66	-796.82	6,336.96	6,232.55	104.41	60.694		
13,800.00	7,780.00	7,300.00	7,235.71	161.14	30.16	-81.79	-632.66	-796.82	6,417.12	6,312.39	104.73	61.275		
13,900.00	7,780.00	7,300.00	7,235.71	163.70	30.16	-81.79	-632.66	-796.82	6,497.83	6,392.80	105.03	61.866		
14,000.00	7,780.00	7,300.00	7,235.71	166.25	30.16	-81.79	-632.66	-796.82	6,579.07	6,473.75	105.32	62.465		
14,100.00	7,780.00	7,300.00	7,235.71	168.81	30.16	-81.79	-632.66	-796.82	6,660.82	6,555.22	105.61	63.072		
14,200.00	7,780.00	7,300.00	7,235.71	171.38	30.16	-81.79	-632.66	-796.82	6,743.07	6,637.19	105.88	63.687		
14,300.00	7,780.00	7,300.00	7,235.71	173.95	30.16	-81.79	-632.66	-796.82	6,825.78	6,719.64	106.14	64.309		
14,400.00	7,780.00	7,300.00	7,235.71	176.53	30.16	-81.79	-632.66	-796.82	6,908.96	6,802.56	106.39	64.938		
14,500.00	7,780.00	7,300.00	7,235.71	179.10	30.16	-81.79	-632.66	-796.82	6,992.57	6,885.94	106.64	65.574		
14,600.00	7,780.00	7,300.00	7,235.71	181.69	30.16	-81.79	-632.66	-796.82	7,076.61	6,969.74	106.87	66.216		
14,700.00	7,780.00	7,300.00	7,235.71	184.27	30.16	-81.79	-632.66	-796.82	7,161.06	7,053.97	107.10	66.865		
14,800.00	7,780.00	7,300.00	7,235.71	186.86	30.16	-81.79	-632.66	-796.82	7,245.91	7,138.59	107.32	67.519		
14,900.00	7,780.00	7,300.00	7,235.71	189.45	30.16	-81.79	-632.66	-796.82	7,331.14	7,223.61	107.53	68.179		
15,000.00	7,780.00	7,300.00	7,235.71	192.05	30.16	-81.79	-632.66	-796.82	7,416.74	7,309.00	107.73	68.845		
15,100.00	7,780.00	7,300.00	7,235.71	194.65	30.16	-81.79	-632.66	-796.82	7,502.69	7,394.76	107.93	69.516		
15,200.00	7,780.00	7,300.00	7,235.71	197.25	30.16	-81.79	-632.66	-796.82	7,588.99	7,480.87	108.12	70.191		
15,300.00	7,780.00	7,300.00	7,235.71	199.85	30.16	-81.79	-632.66	-796.82	7,675.62	7,567.31	108.30	70.872		
15,400.00	7,780.00	7,300.00	7,235.71	202.46	30.16	-81.79	-632.66	-796.82	7,762.57	7,654.09	108.48	71.557		
15,500.00	7,780.00	7,300.00	7,235.71	205.07	30.16	-81.79	-632.66	-796.82	7,849.83	7,741.18	108.65	72.246		

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

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 2-T4S-R65W - PROSPER FARMS 4-65 2-1-6 3CH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
15,600.00	7,780.00	7,300.00	7,235.71	207.68	30.16	-81.79	-632.66	-796.82	7,937.40	7,828.57	108.82	72.940		
15,700.00	7,780.00	7,300.00	7,235.71	210.29	30.16	-81.79	-632.66	-796.82	8,025.25	7,916.27	108.98	73.638		
15,800.00	7,780.00	7,300.00	7,235.71	212.91	30.16	-81.79	-632.66	-796.82	8,113.38	8,004.24	109.14	74.339		
15,900.00	7,780.00	7,300.00	7,235.71	215.53	30.16	-81.79	-632.66	-796.82	8,201.79	8,092.50	109.29	75.045		
16,000.00	7,780.00	7,300.00	7,235.71	218.15	30.16	-81.79	-632.66	-796.82	8,290.46	8,181.02	109.44	75.754		
16,100.00	7,780.00	7,300.00	7,235.71	220.77	30.16	-81.79	-632.66	-796.82	8,379.39	8,269.80	109.58	76.466		
16,200.00	7,780.00	7,300.00	7,235.71	223.39	30.16	-81.79	-632.66	-796.82	8,468.56	8,358.84	109.72	77.181		
16,300.00	7,780.00	7,300.00	7,235.71	226.02	30.16	-81.79	-632.66	-796.82	8,557.97	8,448.11	109.86	77.900		
16,400.00	7,780.00	7,300.00	7,235.71	228.65	30.16	-81.79	-632.66	-796.82	8,647.62	8,537.63	109.99	78.622		
16,500.00	7,780.00	7,300.00	7,235.71	231.28	30.16	-81.79	-632.66	-796.82	8,737.49	8,627.37	110.12	79.346		
16,600.00	7,780.00	7,300.00	7,235.71	233.91	30.16	-81.79	-632.66	-796.82	8,827.57	8,717.33	110.24	80.073		
16,700.00	7,780.00	7,300.00	7,235.71	236.54	30.16	-81.79	-632.66	-796.82	8,917.87	8,807.51	110.37	80.803		
16,800.00	7,780.00	7,300.00	7,235.71	239.17	30.16	-81.79	-632.66	-796.82	9,008.37	8,897.89	110.48	81.536		
16,900.00	7,780.00	7,300.00	7,235.71	241.81	30.16	-81.79	-632.66	-796.82	9,099.08	8,988.48	110.60	82.271		
17,000.00	7,780.00	7,300.00	7,235.71	244.44	30.16	-81.79	-632.66	-796.82	9,189.97	9,079.26	110.71	83.008		
17,100.00	7,780.00	7,300.00	7,235.71	247.08	30.16	-81.79	-632.66	-796.82	9,281.05	9,170.23	110.82	83.747		
17,200.00	7,780.00	7,300.00	7,235.71	249.72	30.16	-81.79	-632.66	-796.82	9,372.32	9,261.39	110.93	84.489		
17,300.00	7,780.00	7,300.00	7,235.71	252.36	30.16	-81.79	-632.66	-796.82	9,463.76	9,352.72	111.03	85.232		
17,400.00	7,780.00	7,300.00	7,235.71	255.00	30.16	-81.79	-632.66	-796.82	9,555.37	9,444.23	111.14	85.978		
17,500.00	7,780.00	7,300.00	7,235.71	257.65	30.16	-81.79	-632.66	-796.82	9,647.15	9,535.91	111.24	86.725		
17,600.00	7,780.00	7,300.00	7,235.71	260.29	30.16	-81.79	-632.66	-796.82	9,739.09	9,627.75	111.34	87.475		
17,700.00	7,780.00	7,300.00	7,235.71	262.94	30.16	-81.79	-632.66	-796.82	9,831.19	9,719.75	111.43	88.226		
17,800.00	7,780.00	7,300.00	7,235.71	265.58	30.16	-81.79	-632.66	-796.82	9,923.44	9,811.91	111.53	88.978		



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	46.85	46.85	0.00	0.06	-130.97	-1,178.44	-1,356.97	1,797.26					
100.00	100.00	144.21	144.21	0.13	0.33	-130.97	-1,178.80	-1,357.57	1,797.97	1,797.51	0.46	3,907.500		
200.00	199.98	247.38	247.38	0.49	0.69	-125.02	-1,178.88	-1,358.20	1,799.48	1,798.30	1.19	1,514.007		
300.00	299.84	346.87	346.86	0.86	1.05	-125.09	-1,178.91	-1,358.77	1,802.94	1,801.03	1.91	943.602		
400.00	399.45	446.40	446.39	1.23	1.41	-125.22	-1,179.02	-1,359.30	1,808.45	1,805.81	2.64	684.675		
500.00	498.70	547.77	547.77	1.63	1.77	-125.41	-1,179.23	-1,359.68	1,815.94	1,812.55	3.39	535.625		
600.00	597.47	646.83	646.83	2.04	2.12	-125.65	-1,179.46	-1,359.93	1,825.45	1,821.31	4.15	440.200		
700.00	695.62	744.71	744.70	2.49	2.47	-125.94	-1,179.72	-1,360.15	1,837.10	1,832.19	4.92	373.501		
800.00	793.06	842.70	842.69	2.97	2.82	-126.28	-1,179.98	-1,360.35	1,850.91	1,845.20	5.71	323.995		
900.00	889.64	938.48	938.47	3.49	3.16	-126.64	-1,180.26	-1,360.52	1,866.97	1,860.45	6.52	286.214		
1,000.00	985.27	1,033.67	1,033.66	4.05	3.50	-127.03	-1,180.54	-1,360.76	1,885.39	1,878.03	7.36	256.292		
1,100.00	1,079.82	1,128.90	1,128.88	4.65	3.85	-127.46	-1,180.76	-1,361.00	1,906.15	1,897.93	8.22	232.019		
1,200.00	1,173.17	1,221.87	1,221.86	5.29	4.18	-127.89	-1,180.97	-1,361.25	1,929.34	1,920.25	9.09	212.232		
1,300.00	1,265.21	1,313.70	1,313.69	5.99	4.51	-128.33	-1,181.22	-1,361.46	1,955.05	1,945.06	9.98	195.804		
1,400.00	1,356.55	1,405.56	1,405.54	6.71	4.84	-129.21	-1,181.52	-1,361.61	1,982.29	1,971.40	10.89	182.089		
1,500.00	1,447.88	1,496.86	1,496.85	7.44	5.16	-130.07	-1,181.83	-1,361.68	2,009.96	1,998.18	11.78	170.604		
1,600.00	1,539.21	1,585.72	1,585.70	8.17	5.48	-130.89	-1,182.19	-1,361.79	2,038.16	2,025.49	12.66	160.934		
1,700.00	1,630.55	1,674.99	1,674.97	8.91	5.79	-131.69	-1,182.63	-1,361.95	2,066.87	2,053.33	13.55	152.584		
1,800.00	1,721.88	1,764.79	1,764.78	9.65	6.11	-132.47	-1,183.18	-1,362.09	2,096.08	2,081.66	14.42	145.319		
1,900.00	1,813.21	1,856.07	1,856.05	10.40	6.44	-133.26	-1,183.78	-1,362.21	2,125.71	2,110.40	15.30	138.911		
2,000.00	1,904.54	1,947.25	1,947.23	11.15	6.76	-134.02	-1,184.34	-1,362.37	2,155.71	2,139.53	16.18	133.265		
2,100.00	1,995.88	2,038.18	2,038.16	11.90	7.09	-134.75	-1,184.88	-1,362.56	2,186.08	2,169.04	17.04	128.263		
2,200.00	2,087.21	2,129.12	2,129.09	12.65	7.42	-135.47	-1,185.41	-1,362.78	2,216.81	2,198.90	17.91	123.802		
2,300.00	2,178.54	2,221.05	2,221.02	13.41	7.74	-136.18	-1,185.92	-1,363.00	2,247.86	2,229.09	18.77	119.775		
2,400.00	2,269.87	2,326.05	2,326.03	14.16	8.12	-136.96	-1,186.24	-1,363.35	2,279.11	2,259.44	19.68	115.829		
2,500.00	2,361.21	2,536.65	2,536.47	14.92	8.82	-138.36	-1,179.11	-1,363.44	2,307.49	2,286.52	20.97	110.014		
2,600.00	2,452.54	2,646.71	2,646.30	15.67	9.19	-139.04	-1,172.20	-1,362.67	2,333.66	2,311.78	21.88	106.677		
2,700.00	2,543.87	2,750.89	2,750.24	16.43	9.54	-139.67	-1,165.09	-1,361.83	2,359.59	2,336.84	22.75	103.699		
2,800.00	2,635.20	2,831.38	2,830.54	17.19	9.81	-140.14	-1,159.58	-1,361.05	2,385.67	2,362.13	23.54	101.341		
2,900.00	2,726.54	2,911.20	2,910.21	17.95	10.09	-140.60	-1,154.79	-1,360.49	2,412.72	2,388.40	24.32	99.207		
3,000.00	2,817.87	3,005.21	3,004.06	18.71	10.41	-141.14	-1,149.31	-1,359.89	2,440.16	2,415.01	25.15	97.022		
3,100.00	2,909.20	3,104.64	3,103.30	19.47	10.75	-141.70	-1,143.31	-1,359.34	2,467.70	2,441.70	26.00	94.908		
3,200.00	3,000.54	3,201.69	3,200.16	20.22	11.09	-142.22	-1,137.18	-1,358.74	2,495.16	2,468.32	26.84	92.966		
3,300.00	3,091.87	3,290.72	3,289.02	20.98	11.40	-142.70	-1,131.72	-1,358.03	2,522.88	2,495.23	27.64	91.270		
3,400.00	3,183.20	3,373.21	3,371.36	21.74	11.68	-143.13	-1,126.78	-1,357.60	2,551.02	2,522.61	28.41	89.779		
3,500.00	3,274.53	3,449.04	3,447.05	22.50	11.95	-143.50	-1,122.33	-1,358.09	2,579.95	2,550.80	29.16	88.482		
3,600.00	3,365.87	3,540.61	3,538.47	23.27	12.27	-143.93	-1,117.03	-1,359.19	2,609.37	2,579.40	29.97	87.072		
3,700.00	3,457.20	3,635.36	3,633.05	24.03	12.60	-144.37	-1,111.61	-1,360.27	2,638.94	2,608.15	30.79	85.709		
3,800.00	3,548.53	3,733.22	3,730.77	24.79	12.95	-144.83	-1,106.34	-1,360.50	2,668.56	2,636.94	31.62	84.399		
3,900.00	3,639.86	3,828.86	3,826.28	25.55	13.28	-145.29	-1,101.44	-1,360.03	2,698.23	2,665.80	32.43	83.199		
4,000.00	3,731.20	3,931.15	3,928.42	26.31	13.65	-145.78	-1,095.98	-1,359.39	2,727.82	2,694.55	33.27	81.987		
4,100.00	3,822.53	4,025.22	4,022.35	27.07	13.98	-146.21	-1,090.82	-1,358.69	2,757.39	2,723.32	34.07	80.927		
4,200.00	3,913.86	4,113.04	4,110.05	27.83	14.29	-146.61	-1,086.20	-1,357.88	2,787.22	2,752.38	34.84	79.995		
4,300.00	4,005.19	4,204.02	4,200.89	28.59	14.61	-147.01	-1,081.30	-1,357.61	2,817.33	2,781.70	35.63	79.079		
4,400.00	4,096.53	4,303.64	4,300.34	29.35	14.97	-147.42	-1,075.54	-1,357.84	2,847.45	2,811.00	36.45	78.113		
4,500.00	4,187.86	4,388.55	4,385.12	30.12	15.27	-147.76	-1,070.69	-1,358.08	2,877.78	2,840.57	37.21	77.342		
4,600.00	4,279.19	4,464.02	4,460.48	30.88	15.54	-148.06	-1,066.76	-1,358.32	2,908.65	2,870.73	37.92	76.715		
4,700.00	4,370.52	4,580.92	4,577.23	31.64	15.96	-148.53	-1,060.72	-1,358.59	2,939.67	2,900.86	38.82	75.731		
4,800.00	4,461.86	4,668.37	4,664.55	32.40	16.27	-148.87	-1,056.06	-1,358.31	2,970.43	2,930.86	39.58	75.057		
4,900.00	4,553.19	4,746.72	4,742.81	33.16	16.55	-149.18	-1,052.23	-1,357.87	3,001.60	2,961.31	40.29	74.508		
5,000.00	4,644.52	4,884.18	4,880.06	33.93	17.04	-149.71	-1,044.80	-1,356.89	3,032.36	2,991.09	41.28	73.463		
5,100.00	4,735.86	4,968.47	4,964.20	34.69	17.34	-150.03	-1,039.83	-1,356.00	3,062.71	3,020.70	42.01	72.897		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	4,827.19	5,039.42	5,035.05	35.45	17.60	-150.30	-1,036.12	-1,355.17	3,093.70	3,051.02	42.68	72.482		
5,300.00	4,918.52	5,123.78	5,119.30	36.21	17.90	-150.61	-1,031.95	-1,354.77	3,125.29	3,081.87	43.41	71.987		
5,400.00	5,009.85	5,215.61	5,211.00	36.98	18.23	-150.91	-1,027.05	-1,355.64	3,157.12	3,112.93	44.19	71.444		
5,500.00	5,101.19	5,289.38	5,284.66	37.74	18.50	-151.14	-1,023.18	-1,356.65	3,189.27	3,144.39	44.87	71.073		
5,600.00	5,192.52	5,367.78	5,362.98	38.50	18.78	-151.39	-1,019.74	-1,357.52	3,222.13	3,176.56	45.57	70.701		
5,700.00	5,283.85	5,568.26	5,563.14	39.26	19.50	-152.04	-1,008.76	-1,358.07	3,254.08	3,207.18	46.89	69.394		
5,800.00	5,375.18	5,650.18	5,644.84	40.03	19.80	-152.29	-1,002.77	-1,357.78	3,284.10	3,236.48	47.61	68.972		
5,900.00	5,466.52	5,708.34	5,702.89	40.79	20.01	-152.47	-999.10	-1,357.69	3,315.11	3,266.89	48.21	68.758		
6,000.00	5,557.85	5,783.25	5,777.68	41.55	20.28	-152.70	-994.95	-1,357.74	3,346.95	3,298.06	48.89	68.454		
6,100.00	5,649.18	5,853.03	5,847.37	42.31	20.53	-152.91	-991.46	-1,358.00	3,379.44	3,329.90	49.54	68.213		
6,200.00	5,740.51	5,944.95	5,939.19	43.08	20.86	-153.18	-987.31	-1,358.72	3,412.56	3,362.25	50.31	67.834		
6,300.00	5,831.85	6,031.36	6,025.50	43.84	21.18	-153.42	-983.05	-1,359.57	3,445.45	3,394.41	51.04	67.500		
6,400.00	5,923.18	6,148.10	6,142.09	44.60	21.60	-153.73	-977.66	-1,361.44	3,478.97	3,427.03	51.95	66.973		
6,500.00	6,014.51	6,258.20	6,252.00	45.36	22.00	-154.02	-971.22	-1,362.64	3,511.15	3,458.34	52.81	66.485		
6,600.00	6,105.85	6,320.96	6,314.66	46.13	22.22	-154.18	-967.77	-1,363.40	3,543.79	3,490.37	53.42	66.338		
6,700.00	6,197.18	6,395.89	6,389.50	46.89	22.50	-154.36	-964.31	-1,364.71	3,577.37	3,523.27	54.09	66.133		
6,800.00	6,288.51	6,800.00	6,533.29	47.65	23.96	-154.73	-956.64	-1,366.23	3,610.10	3,554.03	56.07	64.384		
6,900.00	6,379.84	6,632.30	6,625.53	48.42	23.35	-154.97	-951.35	-1,365.88	3,642.25	3,586.35	55.90	65.154		
7,000.00	6,471.18	6,680.14	6,673.33	49.18	23.52	-155.10	-949.10	-1,365.49	3,675.28	3,618.87	56.42	65.145		
7,100.00	6,562.51	6,720.70	6,713.86	49.94	23.67	-155.22	-947.78	-1,365.23	3,709.68	3,652.80	56.88	65.218		
7,200.00	6,653.84	6,773.02	6,766.17	50.71	23.85	-155.36	-946.82	-1,365.02	3,745.38	3,687.97	57.40	65.249		
7,300.00	6,745.17	6,845.42	6,838.56	51.47	24.11	-155.56	-945.97	-1,364.76	3,781.79	3,723.76	58.03	65.169		
7,400.00	6,836.51	6,942.22	6,935.36	52.23	24.44	-155.83	-945.10	-1,364.05	3,818.43	3,759.64	58.80	64.942		
7,500.00	6,927.84	7,034.19	7,027.32	52.99	24.76	-156.09	-944.27	-1,363.15	3,855.08	3,795.55	59.53	64.755		
7,600.00	7,019.17	7,115.16	7,108.28	53.76	25.04	-156.31	-943.66	-1,362.39	3,891.92	3,831.71	60.21	64.644		
7,700.00	7,110.50	7,196.89	7,190.01	54.52	25.33	-156.53	-943.24	-1,361.68	3,929.05	3,868.17	60.88	64.538		
7,800.00	7,201.84	7,271.08	7,264.20	55.28	25.58	-156.72	-942.90	-1,361.38	3,966.45	3,904.94	61.51	64.484		
7,900.00	7,293.16	7,312.00	7,305.10	56.05	25.73	-153.25	-942.73	-1,362.56	4,004.71	3,942.76	61.95	64.648		
8,000.00	7,383.34	7,343.00	7,336.02	56.83	25.83	-130.00	-942.63	-1,364.70	4,040.99	3,978.65	62.34	64.821		
8,100.00	7,469.66	7,384.73	7,377.49	57.62	25.98	-113.22	-942.62	-1,369.36	4,072.69	4,009.85	62.85	64.803		
8,200.00	7,549.48	7,415.72	7,408.10	58.39	26.08	-101.91	-942.74	-1,374.17	4,099.15	4,035.83	63.32	64.739		
8,300.00	7,620.40	7,446.11	7,437.91	59.13	26.19	-94.43	-942.98	-1,380.08	4,119.76	4,055.93	63.84	64.537		
8,400.00	7,680.24	7,504.27	7,494.24	59.84	26.38	-89.88	-943.29	-1,394.45	4,133.92	4,069.26	64.66	63.935		
8,500.00	7,727.20	7,543.56	7,531.65	60.51	26.51	-87.17	-943.13	-1,406.47	4,141.12	4,075.68	65.43	63.287		
8,600.00	7,759.84	7,576.69	7,562.67	61.13	26.62	-85.99	-942.96	-1,418.10	4,141.71	4,075.44	66.28	62.492		
8,700.00	7,777.18	7,617.65	7,600.26	61.71	26.75	-86.25	-942.57	-1,434.35	4,135.81	4,068.50	67.31	61.443		
8,800.00	7,780.00	7,639.12	7,619.63	62.25	26.82	-86.98	-942.31	-1,443.61	4,124.44	4,056.18	68.27	60.416		
8,900.00	7,780.00	7,659.00	7,637.31	62.83	26.89	-87.23	-942.16	-1,452.69	4,113.89	4,044.59	69.30	59.362		
9,000.00	7,780.00	7,670.16	7,647.12	63.50	26.93	-87.36	-942.13	-1,458.02	4,105.56	4,035.22	70.33	58.373		
9,100.00	7,780.00	7,690.00	7,664.30	64.25	26.99	-87.60	-942.20	-1,467.94	4,099.49	4,027.96	71.53	57.312		
9,200.00	7,780.00	7,690.00	7,664.30	65.08	26.99	-87.60	-942.20	-1,467.94	4,095.70	4,023.11	72.59	56.424		
9,300.00	7,780.00	7,722.00	7,691.27	65.99	27.10	-87.98	-942.73	-1,485.14	4,094.09	4,020.05	74.05	55.292		
9,322.73	7,780.00	7,722.00	7,691.27	66.21	27.10	-87.98	-942.73	-1,485.14	4,094.03	4,019.72	74.31	55.091		
9,400.00	7,780.00	7,734.18	7,701.28	67.00	27.15	-88.12	-943.06	-1,492.08	4,094.71	4,019.36	75.35	54.345		
9,500.00	7,780.00	7,753.00	7,716.42	68.10	27.22	-88.33	-943.70	-1,503.23	4,097.49	4,020.73	76.77	53.375		
9,600.00	7,780.00	7,799.53	7,752.17	69.29	27.40	-88.83	-945.67	-1,532.92	4,102.27	4,023.71	78.56	52.220		
9,700.00	7,780.00	8,122.82	7,906.60	70.56	29.53	-90.99	-953.27	-1,809.84	4,106.80	4,022.28	84.53	48.586		
9,800.00	7,780.00	8,183.33	7,912.20	71.93	30.13	-91.07	-953.55	-1,870.06	4,108.59	4,021.66	86.93	47.262		
9,900.00	7,780.00	8,226.00	7,913.60	73.38	30.59	-91.09	-954.05	-1,912.70	4,111.32	4,022.23	89.09	46.150		
10,000.00	7,780.00	8,284.00	7,913.88	74.91	31.26	-91.09	-955.58	-1,970.67	4,115.28	4,023.68	91.60	44.926		
10,100.00	7,780.00	8,448.08	7,911.58	76.52	33.49	-91.06	-960.29	-2,134.66	4,119.39	4,022.84	96.55	42.666		
10,200.00	7,780.00	8,663.64	7,915.30	78.21	37.02	-91.11	-962.39	-2,350.17	4,122.12	4,018.86	103.26	39.919		

CC - Min centre to center distance or convergent 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 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 3-T4S-R65W - EXIST HZ PROPERTY RESERVE 4-65 3-4 1H - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 83-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,300.00	7,780.00	8,815.63	7,917.87	79.96	39.84	-91.15	-959.71	-2,502.11	4,121.45	4,012.65	108.80	37.882		
10,400.00	7,780.00	8,930.01	7,921.46	81.78	42.11	-91.20	-957.03	-2,616.40	4,120.35	4,006.84	113.51	36.301		
10,500.00	7,780.00	9,034.81	7,925.39	83.66	44.27	-91.25	-954.28	-2,721.09	4,118.98	4,000.91	118.06	34.888		
10,600.00	7,780.00	9,139.61	7,929.33	85.59	46.42	-91.30	-951.53	-2,835.78	4,117.50	3,994.98	122.81	33.540		
10,700.00	7,780.00	9,244.41	7,933.27	87.57	48.57	-91.32	-948.78	-2,950.47	4,116.02	3,989.05	127.56	32.291		
10,800.00	7,780.00	9,349.21	7,937.21	89.60	50.72	-91.35	-946.03	-3,065.16	4,114.54	3,983.12	132.31	31.042		
10,900.00	7,780.00	9,454.01	7,941.15	91.67	52.87	-91.36	-943.28	-3,179.85	4,113.06	3,977.19	137.06	29.793		
11,000.00	7,780.00	9,558.81	7,945.09	93.79	55.02	-91.38	-940.53	-3,294.54	4,111.58	3,971.26	141.81	28.544		
11,100.00	7,780.00	9,663.61	7,949.03	95.94	57.17	-91.40	-937.78	-3,409.23	4,110.10	3,965.33	146.56	27.295		
11,124.42	7,780.00	9,688.41	7,950.97	96.47	58.32	-91.41	-936.53	-3,433.92	4,109.62	3,964.08	147.31	27.046		
11,200.00	7,780.00	9,793.21	7,954.91	98.12	60.47	-91.42	-935.28	-3,458.61	4,108.14	3,958.15	152.06	25.797		
11,300.00	7,780.00	9,898.01	7,958.85	100.33	62.62	-91.44	-934.03	-3,483.30	4,106.66	3,952.22	156.81	24.548		
11,400.00	7,780.00	9,998.81	7,962.79	102.57	64.77	-91.48	-932.78	-3,507.99	4,105.18	3,946.29	161.56	23.299		
11,500.00	7,780.00	10,098.61	7,966.73	104.84	66.92	-91.52	-931.53	-3,532.68	4,103.70	3,940.36	166.31	22.050		
11,600.00	7,780.00	10,198.41	7,970.67	107.13	69.07	-91.55	-930.28	-3,557.37	4,102.22	3,934.43	171.06	20.801		
11,700.00	7,780.00	10,298.21	7,974.61	109.44	71.22	-91.60	-929.03	-3,582.06	4,100.74	3,928.50	175.81	19.552		
11,800.00	7,780.00	10,398.01	7,978.55	111.78	73.37	-91.65	-927.78	-3,606.75	4,099.26	3,922.57	180.56	18.303		
11,900.00	7,780.00	10,497.81	7,982.49	114.13	75.52	-91.69	-926.53	-3,631.44	4,097.78	3,916.64	185.31	17.054		
12,000.00	7,780.00	10,597.61	7,986.43	116.50	77.67	-91.70	-925.28	-3,656.13	4,096.30	3,910.71	190.06	15.805		
12,100.00	7,780.00	10,697.41	7,990.37	118.89	79.82	-91.73	-924.03	-3,680.82	4,094.82	3,904.78	194.81	14.556		
12,200.00	7,780.00	10,797.21	7,994.31	121.29	81.97	-91.78	-922.78	-3,705.51	4,093.34	3,898.85	199.56	13.307		
12,300.00	7,780.00	10,897.01	7,998.25	123.71	84.12	-91.82	-921.53	-3,730.20	4,091.86	3,892.92	204.31	12.058		
12,400.00	7,780.00	10,996.81	7,999.97	126.14	86.27	-91.85	-920.28	-3,754.89	4,090.38	3,886.99	209.06	10.809		
12,500.00	7,780.00	11,096.61	7,999.97	128.58	88.42	-91.89	-919.03	-3,779.58	4,088.90	3,881.06	213.81	9.560		
12,600.00	7,780.00	11,196.41	7,999.97	131.03	90.57	-91.94	-917.78	-3,804.27	4,087.42	3,875.13	218.56	8.311		
12,700.00	7,780.00	11,296.21	7,999.97	133.49	92.72	-91.99	-916.53	-3,828.96	4,085.94	3,869.20	223.31	7.062		
12,800.00	7,780.00	11,396.01	7,999.97	135.97	94.87	-92.05	-915.28	-3,853.65	4,084.46	3,863.27	228.06	5.813		
12,900.00	7,780.00	11,495.81	7,999.97	138.45	97.02	-92.05	-914.03	-3,878.34	4,082.98	3,857.34	232.81	4.564		
13,000.00	7,780.00	11,595.61	7,999.97	140.94	99.17	-92.06	-912.78	-3,903.03	4,081.50	3,851.41	237.56	3.315		
13,013.22	7,780.00	11,610.41	7,999.97	141.27	100.32	-92.06	-912.03	-3,907.72	4,081.02	3,850.93	238.31	3.266		
13,100.00	7,780.00	11,695.21	7,999.97	143.44	102.47	-92.08	-910.78	-3,932.41	4,079.54	3,845.00	243.06	2.017		
13,200.00	7,780.00	11,795.01	7,999.97	145.95	104.62	-92.10	-909.53	-3,957.10	4,078.06	3,839.07	247.81	0.768		
13,300.00	7,780.00	11,894.81	7,999.97	148.47	106.77	-92.11	-908.28	-3,981.79	4,076.58	3,833.14	252.56	-0.481		
13,400.00	7,780.00	11,994.61	7,999.97	150.99	108.92	-92.12	-907.03	-4,006.48	4,075.10	3,827.21	257.31	-1.732		
13,407.18	7,780.00	11,999.41	7,999.97	151.17	110.07	-92.12	-906.78	-4,011.17	4,074.62	3,826.73	257.81	-1.833		
13,500.00	7,780.00	12,094.21	7,999.97	153.52	112.22	-92.14	-905.53	-4,035.86	4,073.14	3,820.80	262.56	-3.084		
13,600.00	7,780.00	12,194.01	7,999.97	156.06	114.37	-92.16	-904.28	-4,060.55	4,071.66	3,814.87	267.31	-4.335		
13,700.00	7,780.00	12,293.81	7,999.97	158.60	116.52	-92.17	-903.03	-4,085.24	4,070.18	3,808.94	272.06	-5.586		
13,800.00	7,780.00	12,393.61	7,999.97	161.14	118.67	-92.18	-901.78	-4,109.93	4,068.70	3,803.01	276.81	-6.837		
13,900.00	7,780.00	12,493.41	7,999.97	163.70	120.82	-92.19	-900.53	-4,134.62	4,067.22	3,797.08	281.56	-8.088		
14,000.00	7,780.00	12,593.21	7,999.97	166.25	122.97	-92.18	-899.28	-4,159.31	4,065.74	3,791.15	286.31	-9.339		
14,100.00	7,780.00	12,693.01	7,999.97	168.81	125.12	-92.18	-898.03	-4,184.00	4,064.26	3,785.22	291.06	-10.590		
14,200.00	7,780.00	12,792.81	7,999.97	171.38	127.27	-92.19	-896.78	-4,208.69	4,062.78	3,779.29	295.81	-11.841		
14,300.00	7,780.00	12,892.61	7,999.97	173.95	129.42	-92.21	-895.53	-4,233.38	4,061.30	3,773.36	300.56	-13.092		
14,400.00	7,780.00	12,992.41	7,999.97	176.53	131.57	-92.21	-894.28	-4,258.07	4,059.82	3,767.43	305.31	-14.343		
14,500.00	7,780.00	13,092.21	7,999.97	179.10	133.72	-92.22	-893.03	-4,282.76	4,058.34	3,761.50	310.06	-15.594		
14,600.00	7,780.00	13,192.01	7,999.97	181.69	135.87	-92.24	-891.78	-4,307.45	4,056.86	3,755.57	314.81	-16.845		
14,700.00	7,780.00	13,291.81	7,999.97	184.27	138.02	-92.27	-890.53	-4,332.14	4,055.38	3,749.64	319.56	-18.096		
14,800.00	7,780.00	13,391.61	7,999.97	186.86	140.17	-92.30	-889.28	-4,356.83	4,053.90	3,743.71	324.31	-19.347		
14,900.00	7,780.00	13,491.41	7,999.97	189.45	142.32	-92.30	-888.03	-4,381.52	4,052.42	3,737.78	329.06	-20.598		
15,000.00	7,780.00	13,591.21	7,999.97	192.05	144.47	-92.32	-886.78	-4,406.21	4,050.94	3,731.85	333.81	-21.849		
15,100.00	7,780.00	13,691.01	7,999.97	194.65	146.62	-92.35	-885.53	-4,430.90	4,049.46	3,725.92	338.56	-23.100		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 3-T4S-R65W - EXIST HZ PROPERTY RESERVE 4-65 3-4 1H - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 83-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
15,200.00	7,780.00	13,608.95	8,007.19	197.25	159.93	-92.35	-965.98	-7,293.23	4,187.17	3,833.71	353.46	11.846		
15,300.00	7,780.00	13,721.95	8,010.31	199.85	162.93	-92.39	-966.29	-7,406.18	4,188.74	3,829.52	359.22	11.661		
15,400.00	7,780.00	13,877.38	8,012.83	202.46	167.06	-92.43	-965.52	-7,561.58	4,189.53	3,823.05	366.47	11.432		
15,500.00	7,780.00	14,144.62	8,013.41	205.07	174.17	-92.44	-958.08	-7,828.70	4,188.53	3,811.23	377.30	11.101		
15,600.00	7,780.00	14,196.15	8,013.89	207.68	175.54	-92.44	-955.77	-7,880.17	4,185.22	3,804.14	381.07	10.983		
15,700.00	7,780.00	14,258.00	8,015.25	210.29	177.19	-92.46	-953.61	-7,941.97	4,182.94	3,797.80	385.14	10.861		
15,800.00	7,780.00	15,800.00	8,019.51	212.91	218.31	-92.52	-947.82	-8,097.08	4,180.57	3,751.35	429.22	9.740		
15,900.00	7,780.00	14,528.96	8,021.71	215.53	184.41	-92.56	-942.07	-8,212.59	4,176.82	3,778.75	398.07	10.493		
16,000.00	7,780.00	14,581.47	8,022.86	218.15	185.81	-92.57	-939.77	-8,265.04	4,173.75	3,771.89	401.86	10.386		
16,100.00	7,780.00	14,637.00	8,024.38	220.77	187.29	-92.60	-938.09	-8,320.52	4,171.95	3,766.24	405.71	10.283		
16,200.00	7,780.00	14,731.39	8,027.13	223.39	189.81	-92.63	-935.80	-8,414.84	4,170.81	3,759.98	410.84	10.152		
16,300.00	7,780.00	14,780.03	8,028.38	226.02	191.11	-92.65	-934.86	-8,463.45	4,170.19	3,755.79	414.40	10.063		
16,301.26	7,780.00	14,780.65	8,028.40	226.05	191.12	-92.65	-934.85	-8,464.07	4,170.18	3,755.74	414.44	10.062		
16,400.00	7,780.00	14,831.57	8,029.47	228.65	192.48	-92.67	-934.53	-8,514.99	4,170.78	3,752.78	418.00	9.978		
16,500.00	7,780.00	14,925.54	8,030.01	231.28	194.99	-92.67	-934.54	-8,608.95	4,172.00	3,748.89	423.10	9.860		
16,600.00	7,780.00	15,001.98	8,029.78	233.91	197.02	-92.67	-934.87	-8,685.38	4,173.58	3,746.01	427.57	9.761		
16,700.00	7,780.00	15,072.36	8,030.18	236.54	198.90	-92.67	-935.56	-8,755.77	4,175.78	3,743.98	431.80	9.671		
16,800.00	7,780.00	15,197.14	8,032.57	239.17	202.22	-92.70	-937.18	-8,880.50	4,178.41	3,740.38	438.03	9.539		
16,900.00	7,780.00	15,305.02	8,034.20	241.81	205.10	-92.73	-937.82	-8,988.37	4,180.25	3,736.60	443.65	9.422		
17,000.00	7,780.00	15,382.69	8,036.35	244.44	207.17	-92.75	-938.41	-9,066.01	4,182.31	3,734.17	448.14	9.333		
17,100.00	7,780.00	15,504.93	8,041.36	247.08	210.42	-92.82	-939.24	-9,188.14	4,184.36	3,730.08	454.28	9.211		
17,200.00	7,780.00	15,591.29	8,045.51	249.72	212.73	-92.88	-939.73	-9,274.40	4,186.34	3,727.24	459.09	9.119		
17,300.00	7,780.00	15,723.56	8,051.48	252.36	216.25	-92.96	-940.18	-9,406.54	4,188.09	3,722.50	465.59	8.995		
17,400.00	7,780.00	15,832.15	8,054.76	255.00	219.15	-93.00	-939.96	-9,515.07	4,189.21	3,717.99	471.22	8.890		
17,500.00	7,780.00	15,940.32	8,056.49	257.65	222.04	-93.02	-939.81	-9,623.23	4,190.33	3,713.49	476.84	8.788		
17,600.00	7,780.00	16,005.11	8,056.68	260.29	223.77	-93.03	-939.79	-9,688.02	4,191.57	3,710.67	480.90	8.716		
17,700.00	7,780.00	16,059.00	8,057.26	262.94	225.21	-93.03	-940.42	-9,741.90	4,193.94	3,709.43	484.51	8.656		
17,800.00	7,780.00	16,137.03	8,058.61	265.58	227.29	-93.05	-941.94	-9,819.90	4,197.14	3,708.14	489.00	8.583		
17,900.00	7,780.00	16,213.98	8,060.05	268.23	229.35	-93.07	-943.78	-9,896.82	4,200.81	3,707.38	493.43	8.514		
18,000.00	7,780.00	16,338.81	8,060.77	270.88	232.67	-93.07	-947.12	-10,021.59	4,204.74	3,705.02	499.72	8.414		
18,100.00	7,780.00	16,513.06	8,058.66	273.53	237.33	-93.04	-949.39	-10,195.82	4,207.09	3,699.23	507.85	8.284		
18,200.00	7,780.00	16,619.83	8,057.33	276.18	240.18	-93.02	-949.75	-10,302.58	4,208.54	3,695.09	513.44	8.197		
18,300.00	7,780.00	16,678.45	8,057.20	278.83	241.75	-93.02	-950.17	-10,361.19	4,210.43	3,693.17	517.26	8.140		
18,400.00	7,780.00	16,753.74	8,058.30	281.48	243.76	-93.03	-951.46	-10,436.47	4,213.33	3,691.67	521.66	8.077		
18,500.00	7,780.00	16,950.02	8,060.68	284.13	249.01	-93.06	-952.68	-10,632.72	4,215.18	3,684.65	530.54	7.945		
18,600.00	7,780.00	16,985.00	8,060.83	286.79	249.94	-93.06	-952.51	-10,667.70	4,216.41	3,682.89	533.51	7.903		
18,674.95	7,780.00	16,985.00	8,060.83	288.81	249.94	-93.06	-952.51	-10,667.70	4,218.77	3,684.15	534.62	7.891 SF		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	-40.38	1,285.89	-1,093.78	1,688.27					
100.00	100.00	74.96	74.96	0.13	0.18	-40.39	1,285.91	-1,093.88	1,688.24	1,687.93	0.31	5,378.536		
200.00	199.98	171.47	171.47	0.49	0.53	-34.49	1,286.01	-1,094.45	1,687.27	1,686.25	1.02	1,654.983		
300.00	299.84	272.02	272.02	0.86	0.88	-34.64	1,286.29	-1,094.89	1,683.45	1,681.70	1.74	964.756		
400.00	399.45	371.32	371.32	1.23	1.24	-34.88	1,286.71	-1,095.15	1,676.77	1,674.30	2.47	679.145		
500.00	498.70	470.81	470.80	1.63	1.59	-35.22	1,287.16	-1,095.36	1,667.25	1,664.04	3.20	520.791		
600.00	597.47	569.34	569.33	2.04	1.94	-35.68	1,287.51	-1,095.71	1,654.96	1,651.01	3.94	419.925		
700.00	695.62	666.70	666.69	2.49	2.29	-36.26	1,287.53	-1,096.43	1,639.91	1,635.22	4.69	349.778		
800.00	793.06	763.93	763.91	2.97	2.64	-36.96	1,287.51	-1,097.34	1,622.29	1,616.84	5.45	297.601		
900.00	889.64	863.43	863.41	3.49	2.99	-37.81	1,287.45	-1,098.13	1,601.96	1,595.71	6.24	256.645		
1,000.00	985.27	961.16	961.14	4.05	3.34	-38.77	1,287.45	-1,098.60	1,578.94	1,571.89	7.05	223.992		
1,100.00	1,079.82	1,058.18	1,058.16	4.65	3.68	-39.87	1,287.43	-1,098.91	1,553.40	1,545.52	7.88	197.181		
1,200.00	1,173.17	1,149.76	1,149.74	5.29	4.01	-41.08	1,287.27	-1,099.25	1,525.51	1,516.80	8.72	175.005		
1,300.00	1,265.21	1,241.35	1,241.33	5.99	4.34	-42.46	1,287.15	-1,099.73	1,495.61	1,486.01	9.59	155.924		
1,400.00	1,356.55	1,326.86	1,326.83	6.71	4.64	-43.45	1,287.13	-1,100.24	1,465.00	1,454.53	10.47	139.873		
1,500.00	1,447.88	1,420.51	1,420.49	7.44	4.98	-44.57	1,287.26	-1,101.05	1,435.18	1,423.78	11.40	125.877		
1,600.00	1,539.21	1,518.37	1,518.35	8.17	5.32	-45.77	1,287.32	-1,101.37	1,405.48	1,393.12	12.35	113.790		
1,700.00	1,630.55	1,617.26	1,617.23	8.91	5.65	-47.01	1,287.36	-1,101.10	1,375.90	1,362.59	13.31	103.387		
1,800.00	1,721.88	1,709.64	1,709.61	9.65	5.95	-48.22	1,287.44	-1,100.36	1,346.55	1,332.28	14.26	94.401		
1,900.00	1,813.21	1,798.14	1,798.11	10.40	6.25	-49.42	1,287.49	-1,099.75	1,317.87	1,302.64	15.23	86.525		
2,000.00	1,904.54	1,888.62	1,888.58	11.15	6.55	-50.70	1,287.59	-1,099.38	1,290.07	1,273.85	16.23	79.507		
2,100.00	1,995.88	1,980.62	1,980.58	11.90	6.87	-52.05	1,287.55	-1,099.02	1,262.91	1,245.67	17.25	73.233		
2,200.00	2,087.21	2,071.63	2,071.60	12.65	7.17	-53.45	1,287.46	-1,098.69	1,236.49	1,218.21	18.28	67.632		
2,300.00	2,178.54	2,161.02	2,160.98	13.41	7.48	-54.88	1,287.35	-1,098.46	1,210.95	1,191.61	19.34	62.619		
2,400.00	2,269.87	2,250.06	2,250.02	14.16	7.79	-56.35	1,287.33	-1,098.38	1,186.43	1,166.02	20.42	58.114		
2,500.00	2,361.21	2,341.42	2,341.38	14.92	8.10	-57.92	1,287.36	-1,098.37	1,162.92	1,141.40	21.52	54.044		
2,600.00	2,452.54	2,433.46	2,433.43	15.67	8.42	-59.56	1,287.35	-1,098.35	1,140.35	1,117.71	22.64	50.371		
2,700.00	2,543.87	2,522.79	2,522.76	16.43	8.73	-61.20	1,287.34	-1,098.36	1,118.84	1,095.06	23.77	47.061		
2,800.00	2,635.20	2,614.72	2,614.69	17.19	9.05	-62.94	1,287.39	-1,098.46	1,098.51	1,073.57	24.94	44.054		
2,900.00	2,726.54	2,706.79	2,706.75	17.95	9.38	-64.75	1,287.42	-1,098.47	1,079.25	1,053.14	26.11	41.335		
3,000.00	2,817.87	2,798.52	2,798.48	18.71	9.69	-66.60	1,287.39	-1,098.46	1,061.16	1,033.87	27.29	38.879		
3,100.00	2,909.20	2,889.29	2,889.26	19.47	10.01	-68.49	1,287.36	-1,098.45	1,044.35	1,015.86	28.49	36.661		
3,200.00	3,000.54	2,981.11	2,981.07	20.22	10.33	-70.45	1,287.30	-1,098.48	1,028.90	999.21	29.69	34.655		
3,300.00	3,091.87	3,072.48	3,072.45	20.98	10.65	-72.45	1,287.31	-1,098.42	1,014.80	983.91	30.90	32.845		
3,400.00	3,183.20	3,161.74	3,161.70	21.74	10.96	-74.44	1,287.43	-1,098.43	1,002.24	970.14	32.10	31.223		
3,500.00	3,274.53	3,253.35	3,253.32	22.50	11.28	-76.52	1,287.64	-1,098.60	991.36	958.05	33.31	29.763		
3,600.00	3,365.87	3,346.63	3,346.59	23.27	11.60	-78.68	1,287.63	-1,098.63	981.86	947.35	34.51	28.449		
3,700.00	3,457.20	3,437.70	3,437.66	24.03	11.92	-80.83	1,287.64	-1,098.56	973.87	938.17	35.70	27.278		
3,800.00	3,548.53	3,528.21	3,528.18	24.79	12.24	-82.98	1,287.70	-1,098.59	967.64	930.77	36.87	26.242		
3,900.00	3,639.86	3,620.25	3,620.21	25.55	12.56	-85.20	1,287.67	-1,098.62	963.09	925.06	38.03	25.324		
4,000.00	3,731.20	3,712.52	3,712.49	26.31	12.88	-87.44	1,287.49	-1,098.54	960.15	920.98	39.16	24.517		
4,100.00	3,822.53	3,803.11	3,803.07	27.07	13.19	-89.66	1,287.19	-1,098.42	958.91	918.65	40.26	23.816		
4,115.58	3,836.75	3,817.01	3,816.98	27.19	13.24	-90.00	1,287.13	-1,098.41	958.89	918.46	40.43	23.717 CC		
4,200.00	3,913.86	3,893.03	3,892.99	27.83	13.51	-91.87	1,286.80	-1,098.43	959.57	918.24	41.33	23.217		
4,300.00	4,005.19	3,984.61	3,984.57	28.59	13.83	-94.10	1,286.66	-1,098.51	962.01	919.64	42.37	22.705		
4,400.00	4,096.53	4,076.51	4,076.47	29.35	14.15	-96.32	1,286.61	-1,098.54	966.10	922.73	43.38	22.272		
4,500.00	4,187.86	4,167.74	4,167.70	30.12	14.47	-98.50	1,286.56	-1,098.56	971.89	927.54	44.34	21.917		
4,600.00	4,279.19	4,259.10	4,259.07	30.88	14.79	-100.67	1,286.54	-1,098.57	979.31	934.04	45.27	21.630		
4,700.00	4,370.52	4,349.65	4,349.61	31.64	15.10	-102.77	1,286.57	-1,098.67	988.43	942.27	46.16	21.411		
4,800.00	4,461.86	4,442.40	4,442.36	32.40	15.43	-104.90	1,286.52	-1,098.69	999.07	952.05	47.03	21.245		
4,900.00	4,553.19	4,533.89	4,533.85	33.16	15.75	-106.97	1,286.46	-1,098.61	1,011.18	963.33	47.85	21.134		
5,000.00	4,644.52	4,624.53	4,624.49	33.93	16.06	-108.96	1,286.41	-1,098.58	1,024.79	976.16	48.63	21.073		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 3-T4S-R65W - EXIST HZ PROPERTY RESERVE 4-65 3-4 2AH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,735.86	4,716.34	4,716.30	34.69	16.38	-110.94	1,286.39	-1,098.58	1,039.84	990.46	49.39	21.055		
5,200.00	4,827.19	4,811.68	4,811.64	35.45	16.71	-112.92	1,286.64	-1,098.49	1,056.05	1,005.91	50.13	21.065		
5,300.00	4,918.52	4,902.93	4,902.89	36.21	17.03	-114.77	1,286.99	-1,098.35	1,073.42	1,022.59	50.83	21.117		
5,400.00	5,009.85	5,021.72	5,021.64	36.98	17.44	-117.02	1,289.64	-1,097.75	1,090.79	1,039.13	51.66	21.115		
5,500.00	5,101.19	5,129.48	5,129.28	37.74	17.82	-118.90	1,294.75	-1,096.31	1,107.21	1,054.79	52.42	21.122		
5,600.00	5,192.52	5,232.49	5,232.11	38.50	18.18	-120.62	1,300.53	-1,094.70	1,123.97	1,070.82	53.15	21.148		
5,700.00	5,283.85	5,383.02	5,381.89	39.26	18.71	-122.83	1,314.96	-1,091.95	1,139.23	1,085.18	54.05	21.077		
5,800.00	5,375.18	5,571.81	5,567.63	40.03	19.38	-125.12	1,347.35	-1,083.62	1,148.35	1,093.43	54.92	20.909		
5,900.00	5,466.52	5,690.26	5,683.19	40.79	19.81	-126.54	1,371.37	-1,073.71	1,152.96	1,097.31	55.64	20.720		
6,000.00	5,557.85	5,784.53	5,775.06	41.55	20.16	-127.70	1,390.41	-1,064.57	1,157.18	1,100.82	56.36	20.531		
6,100.00	5,649.18	5,872.60	5,861.15	42.31	20.49	-128.84	1,406.71	-1,055.68	1,162.79	1,105.74	57.05	20.381		
6,200.00	5,740.51	5,982.05	5,968.14	43.08	20.91	-130.28	1,426.62	-1,043.97	1,168.84	1,111.14	57.70	20.258		
6,300.00	5,831.85	6,104.49	6,087.31	43.84	21.38	-131.86	1,450.76	-1,029.59	1,173.66	1,115.36	58.30	20.131		
6,400.00	5,923.18	6,249.76	6,227.48	44.60	21.97	-133.63	1,483.75	-1,010.58	1,175.95	1,117.14	58.81	19.995		
6,500.00	6,014.51	6,373.68	6,345.88	45.36	22.49	-135.05	1,515.96	-993.20	1,175.65	1,116.29	59.36	19.804		
6,600.00	6,105.85	6,521.82	6,485.91	46.13	23.13	-136.69	1,558.63	-970.60	1,172.91	1,113.16	59.75	19.629		
6,700.00	6,197.18	6,625.84	6,582.99	46.89	23.61	-137.71	1,592.55	-954.97	1,167.53	1,107.14	60.40	19.331		
6,800.00	6,288.51	6,702.42	6,654.40	47.65	23.97	-138.31	1,618.93	-946.68	1,163.59	1,102.35	61.24	19.001		
6,900.00	6,379.84	6,804.12	6,749.22	48.42	24.45	-139.00	1,654.65	-937.94	1,160.67	1,098.69	61.99	18.724		
7,000.00	6,471.18	6,915.56	6,852.76	49.18	25.00	-139.77	1,694.44	-927.35	1,156.82	1,094.14	62.68	18.456		
7,100.00	6,562.51	7,008.77	6,939.45	49.94	25.46	-140.45	1,727.43	-918.15	1,153.23	1,089.79	63.44	18.178		
7,200.00	6,653.84	7,105.38	7,029.30	50.71	25.96	-141.12	1,761.84	-909.38	1,150.10	1,085.91	64.19	17.917		
7,300.00	6,745.17	7,201.62	7,118.82	51.47	26.45	-141.76	1,796.22	-901.20	1,147.37	1,082.43	64.95	17.667		
7,400.00	6,836.51	7,313.53	7,222.68	52.23	27.04	-142.44	1,837.06	-892.89	1,144.75	1,079.10	65.65	17.437		
7,500.00	6,927.84	7,387.72	7,290.83	52.99	27.43	-142.74	1,866.14	-889.59	1,141.61	1,075.04	66.57	17.149		
7,527.67	6,953.11	7,401.37	7,303.36	53.21	27.50	-142.76	1,871.55	-889.79	1,141.44	1,074.59	66.85	17.075		
7,600.00	7,019.17	7,447.00	7,345.16	53.76	27.74	-142.73	1,889.58	-892.75	1,142.69	1,075.12	67.58	16.910		
7,700.00	7,110.50	7,474.73	7,370.44	54.52	27.87	-142.63	1,900.30	-896.51	1,148.42	1,079.98	68.44	16.779		
7,800.00	7,201.84	7,508.79	7,401.31	55.28	28.02	-142.42	1,912.85	-903.56	1,159.88	1,090.72	69.16	16.770		
7,900.00	7,293.16	7,542.00	7,431.00	56.05	28.18	-138.89	1,924.36	-912.95	1,176.87	1,107.16	69.71	16.882		
8,000.00	7,383.34	7,582.37	7,466.33	56.83	28.33	-117.55	1,937.57	-927.31	1,193.29	1,123.14	70.15	17.011		
8,100.00	7,469.66	7,636.00	7,511.61	57.62	28.53	-102.56	1,954.07	-950.77	1,205.15	1,134.53	70.62	17.064		
8,200.00	7,549.48	7,673.89	7,542.12	58.39	28.65	-93.06	1,965.33	-970.21	1,211.35	1,140.70	70.64	17.147		
8,300.00	7,620.40	7,730.00	7,584.38	59.13	28.84	-87.39	1,982.14	-1,003.03	1,211.40	1,140.42	70.98	17.066		
8,400.00	7,680.24	7,779.61	7,618.28	59.84	28.97	-84.33	1,996.91	-1,036.06	1,205.33	1,134.14	71.20	16.929		
8,500.00	7,727.20	7,825.00	7,645.92	60.51	29.12	-83.17	2,010.14	-1,069.52	1,193.59	1,122.30	71.29	16.742		
8,600.00	7,759.84	7,884.91	7,677.30	61.13	29.29	-83.75	2,027.06	-1,117.63	1,176.30	1,104.33	71.97	16.344		
8,700.00	7,777.18	7,940.94	7,701.41	61.71	29.48	-85.73	2,042.18	-1,165.87	1,153.96	1,081.17	72.79	15.853		
8,800.00	7,780.00	7,998.85	7,722.77	62.25	29.73	-88.03	2,056.76	-1,217.66	1,127.77	1,053.91	73.86	15.268		
8,900.00	7,780.00	8,044.51	7,737.26	62.83	29.95	-88.78	2,067.15	-1,259.69	1,104.21	1,029.61	74.60	14.802		
9,000.00	7,780.00	8,108.00	7,753.16	63.50	30.36	-89.62	2,078.31	-1,320.11	1,086.07	1,010.04	76.03	14.284		
9,100.00	7,780.00	8,133.06	7,758.07	64.25	30.53	-89.89	2,081.61	-1,344.46	1,072.18	996.12	76.06	14.097		
9,200.00	7,780.00	8,179.65	7,765.19	65.08	30.90	-90.27	2,086.05	-1,390.28	1,063.71	986.80	76.91	13.831		
9,300.00	7,780.00	8,245.17	7,770.99	65.99	31.50	-90.58	2,089.28	-1,455.44	1,059.78	981.25	78.53	13.495		
9,400.00	7,780.00	8,323.46	7,772.78	67.00	32.33	-90.68	2,091.65	-1,533.67	1,057.99	977.27	80.71	13.108		
9,424.81	7,780.00	8,341.32	7,772.99	67.26	32.53	-90.69	2,091.92	-1,551.53	1,057.90	976.69	81.22	13.026		
9,500.00	7,780.00	8,391.00	7,773.83	68.10	33.13	-90.74	2,092.07	-1,601.20	1,058.67	976.14	82.53	12.828		
9,600.00	7,780.00	8,467.80	7,775.42	69.29	34.14	-90.82	2,090.52	-1,677.96	1,061.94	977.06	84.88	12.511		
9,700.00	7,780.00	8,534.22	7,776.81	70.56	35.08	-90.89	2,087.30	-1,744.28	1,068.04	981.22	86.83	12.301		
9,800.00	7,780.00	8,625.58	7,778.83	71.93	36.46	-91.00	2,080.10	-1,835.33	1,077.05	986.98	90.07	11.958		
9,900.00	7,780.00	8,778.34	7,782.00	73.38	39.03	-91.16	2,073.07	-1,987.88	1,082.74	986.07	96.67	11.201		
10,000.00	7,780.00	8,859.56	7,783.69	74.91	40.51	-91.24	2,070.43	-2,069.04	1,087.21	987.47	99.74	10.900		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	8,942.36	7,785.48	76.52	42.09	-91.33	2,066.38	-2,151.72	1,093.33	990.35	102.97	10.618		
10,200.00	7,780.00	9,026.31	7,787.28	78.21	43.73	-91.41	2,061.01	-2,235.48	1,100.94	994.62	106.33	10.354		
10,300.00	7,780.00	9,128.48	7,789.55	79.96	45.79	-91.52	2,053.63	-2,337.35	1,109.40	998.59	110.81	10.012		
10,400.00	7,780.00	9,343.13	7,794.25	81.78	50.38	-91.75	2,047.14	-2,551.76	1,115.17	993.32	121.85	9.152		
10,500.00	7,780.00	9,455.00	7,796.61	83.66	52.92	-91.88	2,052.09	-2,663.49	1,111.93	984.77	127.16	8.744		
10,600.00	7,780.00	9,525.00	7,798.13	85.59	54.52	-91.96	2,054.28	-2,733.44	1,110.04	979.87	130.17	8.528		
10,700.00	7,780.00	9,629.76	7,800.45	87.57	56.96	-92.08	2,056.17	-2,838.16	1,109.50	974.31	135.19	8.207		
10,800.00	7,780.00	9,779.52	7,802.14	89.60	60.51	-92.18	2,063.63	-2,987.70	1,105.48	962.69	142.79	7.742		
10,900.00	7,780.00	9,898.15	7,803.52	91.67	63.38	-92.27	2,072.57	-3,105.98	1,099.16	950.50	148.66	7.394		
11,000.00	7,780.00	10,055.38	7,804.93	93.79	67.23	-92.37	2,090.56	-3,262.15	1,088.69	932.20	156.48	6.957		
11,100.00	7,780.00	10,134.24	7,805.27	95.94	69.19	-92.41	2,101.14	-3,340.30	1,076.61	916.23	160.38	6.713		
11,200.00	7,780.00	10,196.65	7,805.95	98.12	70.74	-92.46	2,107.37	-3,402.39	1,067.83	904.47	163.36	6.537		
11,300.00	7,780.00	10,265.31	7,806.46	100.33	72.44	-92.50	2,112.06	-3,470.88	1,062.20	895.63	166.57	6.377		
11,400.00	7,780.00	10,338.18	7,806.65	102.57	74.26	-92.51	2,115.00	-3,543.69	1,059.35	889.41	169.93	6.234		
11,500.00	7,780.00	10,434.05	7,807.82	104.84	76.65	-92.58	2,117.04	-3,639.53	1,058.43	883.74	174.69	6.059		
11,600.00	7,780.00	10,529.52	7,811.07	107.13	79.05	-92.76	2,119.56	-3,734.91	1,057.13	877.68	179.46	5.891		
11,649.98	7,780.00	10,571.16	7,812.44	108.28	80.09	-92.83	2,120.32	-3,776.52	1,056.90	875.45	181.45	5.825		
11,700.00	7,780.00	10,607.50	7,813.60	109.44	81.01	-92.90	2,120.57	-3,812.85	1,057.23	874.14	183.08	5.775		
11,800.00	7,780.00	10,683.01	7,815.96	111.78	82.90	-93.02	2,119.63	-3,888.30	1,059.77	873.29	186.48	5.683		
11,900.00	7,780.00	10,764.11	7,818.31	114.13	84.94	-93.14	2,117.08	-3,969.33	1,064.25	874.04	190.21	5.595		
12,000.00	7,780.00	10,842.71	7,820.72	116.50	86.91	-93.25	2,113.12	-4,047.79	1,070.62	876.91	193.71	5.527		
12,100.00	7,780.00	10,926.11	7,823.47	118.89	88.99	-93.38	2,107.47	-4,130.95	1,078.75	881.22	197.53	5.461		
12,200.00	7,780.00	11,006.16	7,826.04	121.29	90.99	-93.49	2,100.75	-4,210.68	1,088.50	887.44	201.06	5.414		
12,300.00	7,780.00	11,088.76	7,828.39	123.71	93.04	-93.58	2,092.35	-4,292.82	1,099.99	895.24	204.75	5.372		
12,400.00	7,780.00	11,173.96	7,830.58	126.14	95.16	-93.66	2,082.52	-4,377.43	1,112.83	904.19	208.64	5.334		
12,500.00	7,780.00	11,281.20	7,833.23	128.58	97.83	-93.75	2,069.35	-4,483.82	1,126.45	912.09	214.36	5.255		
12,600.00	7,780.00	11,480.77	7,838.00	131.03	102.89	-93.93	2,054.40	-4,682.70	1,135.74	908.73	227.01	5.003		
12,700.00	7,780.00	11,615.57	7,840.88	133.49	106.37	-94.07	2,053.44	-4,817.46	1,137.64	903.19	234.44	4.852		
12,800.00	7,780.00	11,710.21	7,842.94	135.97	108.83	-94.17	2,053.49	-4,912.08	1,138.91	899.63	239.28	4.760		
12,900.00	7,780.00	11,807.47	7,845.20	138.45	111.36	-94.28	2,053.47	-5,009.31	1,140.27	895.99	244.29	4.668		
13,000.00	7,780.00	11,896.36	7,847.43	140.94	113.67	-94.38	2,052.73	-5,098.17	1,142.46	893.71	248.75	4.593		
13,100.00	7,780.00	12,006.18	7,850.21	143.44	116.53	-94.51	2,051.94	-5,207.95	1,144.54	889.97	254.58	4.496		
13,200.00	7,780.00	12,105.61	7,852.41	145.95	119.13	-94.62	2,051.73	-5,307.35	1,146.10	886.36	259.73	4.413		
13,300.00	7,780.00	12,197.14	7,854.55	148.47	121.52	-94.71	2,050.95	-5,398.85	1,148.31	883.93	264.38	4.343		
13,400.00	7,780.00	12,312.65	7,857.14	150.99	124.54	-94.83	2,049.92	-5,514.34	1,150.61	880.03	270.58	4.252		
13,500.00	7,780.00	12,465.00	7,859.02	153.52	128.55	-94.94	2,054.02	-5,666.59	1,149.07	870.21	278.86	4.121		
13,600.00	7,780.00	12,544.00	7,859.32	156.06	130.63	-94.96	2,056.84	-5,745.54	1,146.69	863.77	282.92	4.053		
13,700.00	7,780.00	12,636.49	7,859.99	158.60	133.07	-95.00	2,059.01	-5,838.00	1,145.58	857.86	287.72	3.982		
13,800.00	7,780.00	12,733.04	7,860.75	161.14	135.62	-95.04	2,060.96	-5,934.53	1,144.80	852.05	292.75	3.911		
13,900.00	7,780.00	12,836.82	7,861.24	163.70	138.36	-95.07	2,063.04	-6,038.29	1,144.01	845.80	298.22	3.836		
13,956.32	7,780.00	12,882.23	7,861.43	165.14	139.55	-95.08	2,063.76	-6,083.69	1,143.80	843.29	300.51	3.806		
14,000.00	7,780.00	12,918.89	7,861.54	166.25	140.52	-95.08	2,064.09	-6,120.35	1,143.93	841.56	302.37	3.783		
14,100.00	7,780.00	13,032.38	7,861.88	168.81	143.52	-95.10	2,065.49	-6,233.83	1,143.89	835.44	308.45	3.709		
14,200.00	7,780.00	13,133.45	7,862.18	171.38	146.19	-95.12	2,067.24	-6,334.89	1,143.37	829.60	313.77	3.644		
14,300.00	7,780.00	13,239.57	7,862.40	173.95	149.00	-95.13	2,069.63	-6,440.98	1,142.31	822.91	319.39	3.576		
14,400.00	7,780.00	13,341.23	7,862.81	176.53	151.70	-95.16	2,072.05	-6,542.61	1,141.15	816.40	324.75	3.514		
14,500.00	7,780.00	13,450.19	7,863.17	179.10	154.59	-95.19	2,075.24	-6,651.52	1,139.43	808.90	330.53	3.447		
14,600.00	7,780.00	13,563.30	7,863.69	181.69	157.59	-95.23	2,079.64	-6,764.54	1,136.78	800.26	336.51	3.378		
14,700.00	7,780.00	13,666.91	7,864.10	184.27	160.35	-95.26	2,084.57	-6,868.04	1,133.24	791.27	341.98	3.314		
14,800.00	7,780.00	13,776.97	7,864.51	186.86	163.28	-95.31	2,090.34	-6,977.94	1,129.23	781.47	347.76	3.247		
14,900.00	7,780.00	13,872.70	7,864.77	189.45	165.83	-95.34	2,095.60	-7,073.52	1,124.95	772.13	352.82	3.188		
15,000.00	7,780.00	13,956.11	7,865.12	192.05	168.05	-95.37	2,099.42	-7,156.85	1,121.59	764.37	357.22	3.140		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 3-T4S-R65W - EXIST HZ PROPERTY RESERVE 4-65 3-4 2AH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
15,100.00	7,780.00	14,036.20	7,865.73	194.65	170.18	-95.41	2,101.86	-7,236.90	1,119.81	758.46	361.35	3.099		
15,146.33	7,780.00	14,072.63	7,866.07	195.85	171.15	-95.43	2,102.48	-7,273.32	1,119.60	756.42	363.18	3.083		
15,200.00	7,780.00	14,114.11	7,866.45	197.25	172.25	-95.45	2,102.78	-7,314.80	1,119.89	754.67	365.22	3.066		
15,300.00	7,780.00	14,208.49	7,867.33	199.85	174.76	-95.48	2,102.35	-7,409.17	1,121.59	751.47	370.11	3.030		
15,400.00	7,780.00	14,326.21	7,868.64	202.46	177.89	-95.54	2,102.79	-7,526.88	1,122.51	745.97	376.54	2.981		
15,500.00	7,780.00	14,453.83	7,869.61	205.07	181.29	-95.60	2,105.98	-7,654.46	1,121.26	737.81	383.45	2.924		
15,600.00	7,780.00	14,559.62	7,870.19	207.68	184.11	-95.65	2,110.54	-7,760.15	1,118.17	729.13	389.05	2.874		
15,700.00	7,780.00	14,640.39	7,870.65	210.29	186.27	-95.68	2,113.35	-7,840.87	1,115.97	722.72	393.25	2.838		
15,750.49	7,780.00	14,676.88	7,870.82	211.61	187.24	-95.69	2,114.02	-7,877.35	1,115.65	720.59	395.06	2.824		
15,800.00	7,780.00	14,716.00	7,870.95	212.91	188.28	-95.70	2,114.23	-7,916.47	1,115.96	718.96	397.01	2.811		
15,900.00	7,780.00	14,790.53	7,871.29	215.53	190.26	-95.70	2,113.43	-7,990.99	1,118.19	717.69	400.50	2.792		
16,000.00	7,780.00	14,866.83	7,871.84	218.15	192.28	-95.72	2,111.14	-8,067.26	1,122.44	718.49	403.94	2.779		
16,100.00	7,780.00	14,944.99	7,872.39	220.77	194.35	-95.72	2,107.12	-8,145.30	1,128.77	721.39	407.38	2.771		
16,200.00	7,780.00	15,031.19	7,872.95	223.39	196.62	-95.71	2,101.24	-8,231.30	1,136.77	725.33	411.44	2.763		
16,300.00	7,780.00	15,132.39	7,873.63	226.02	199.28	-95.70	2,093.88	-8,332.24	1,145.23	728.38	416.85	2.747		
16,400.00	7,780.00	15,242.12	7,874.18	228.65	202.17	-95.69	2,086.54	-8,441.71	1,153.12	730.09	423.03	2.726		
16,500.00	7,780.00	15,371.50	7,874.98	231.28	205.59	-95.69	2,079.87	-8,570.92	1,159.54	728.77	430.77	2.692		
16,600.00	7,780.00	15,510.87	7,876.57	233.91	209.30	-95.75	2,077.41	-8,710.25	1,162.53	723.63	438.90	2.649		
16,700.00	7,780.00	15,638.82	7,878.59	236.54	212.71	-95.84	2,078.73	-8,838.17	1,162.84	716.95	445.89	2.608		
16,800.00	7,780.00	15,750.88	7,880.13	239.17	215.71	-95.93	2,081.96	-8,950.17	1,161.27	709.44	451.84	2.570		
16,891.28	7,780.00	15,819.34	7,880.96	241.58	217.54	-95.97	2,083.56	-9,018.61	1,160.34	704.99	455.35	2.548		
16,900.00	7,780.00	15,825.79	7,881.03	241.81	217.71	-95.98	2,083.64	-9,025.05	1,160.35	704.68	455.67	2.546		
17,000.00	7,780.00	15,906.06	7,881.98	244.44	219.86	-96.02	2,083.75	-9,105.32	1,161.48	701.81	459.67	2.527		
17,100.00	7,780.00	15,998.59	7,883.20	247.08	222.33	-96.07	2,082.73	-9,197.84	1,163.88	699.44	464.44	2.506		
17,200.00	7,780.00	16,103.97	7,884.53	249.72	225.14	-96.12	2,081.58	-9,303.20	1,166.27	696.18	470.09	2.481		
17,300.00	7,780.00	16,245.80	7,886.36	252.36	228.93	-96.21	2,082.68	-9,445.00	1,166.92	688.97	477.94	2.442		
17,400.00	7,780.00	16,354.33	7,887.82	255.00	231.84	-96.29	2,085.72	-9,553.48	1,165.48	681.81	483.67	2.410		
17,500.00	7,780.00	16,476.97	7,889.19	257.65	235.13	-96.38	2,091.43	-9,675.99	1,162.12	672.10	490.02	2.372		
17,600.00	7,780.00	16,562.90	7,890.29	260.29	237.43	-96.45	2,096.03	-9,761.78	1,158.16	663.52	494.63	2.341		
17,700.00	7,780.00	16,649.70	7,891.43	262.94	239.76	-96.52	2,098.98	-9,848.52	1,156.05	656.82	499.23	2.316		
17,800.00	7,780.00	16,755.03	7,892.73	265.58	242.58	-96.60	2,102.52	-9,953.79	1,154.03	649.25	504.78	2.286		
17,900.00	7,780.00	16,837.89	7,893.82	268.23	244.81	-96.66	2,105.31	-10,036.59	1,152.08	642.97	509.11	2.263		
17,930.25	7,780.00	16,858.70	7,894.08	269.03	245.36	-96.67	2,105.68	-10,057.40	1,151.96	641.82	510.14	2.258		
18,000.00	7,780.00	16,927.60	7,894.93	270.88	247.21	-96.71	2,106.17	-10,126.29	1,152.37	638.60	513.76	2.243		
18,100.00	7,780.00	17,050.40	7,896.34	273.53	250.50	-96.79	2,109.29	-10,249.04	1,151.08	630.74	520.34	2.212		
18,200.00	7,780.00	17,159.19	7,897.53	276.18	253.42	-96.87	2,113.22	-10,357.75	1,148.79	622.74	526.06	2.184		
18,300.00	7,780.00	17,268.25	7,898.59	278.83	256.35	-96.94	2,117.99	-10,466.70	1,145.73	613.97	531.76	2.155		
18,400.00	7,780.00	17,363.67	7,899.57	281.48	258.91	-97.01	2,122.29	-10,562.02	1,142.55	605.75	536.80	2.128		
18,500.00	7,780.00	17,486.67	7,900.69	284.13	262.22	-97.10	2,129.49	-10,684.80	1,137.91	594.86	543.05	2.095		
18,600.00	7,780.00	17,571.13	7,901.69	286.79	264.49	-97.18	2,134.50	-10,769.10	1,133.36	585.71	547.65	2.069		
18,666.11	7,780.00	17,595.00	7,901.97	288.57	265.13	-97.20	2,135.71	-10,792.94	1,131.69	582.82	548.86	2.062 ES, SF		
18,674.95	7,780.00	17,595.00	7,901.97	288.81	265.13	-97.20	2,135.71	-10,792.94	1,131.72	582.96	548.76	2.062		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	-39.35	1,285.53	-1,054.12	1,662.57					
100.00	100.00	79.07	79.07	0.13	0.19	-39.35	1,285.54	-1,054.11	1,662.46	1,662.13	0.33	5,075.348		
200.00	199.98	172.77	172.77	0.49	0.52	-33.44	1,285.76	-1,054.27	1,661.29	1,660.27	1.02	1,630.968		
300.00	299.84	273.62	273.62	0.86	0.88	-33.58	1,286.07	-1,054.54	1,657.33	1,655.59	1.74	950.950		
400.00	399.45	372.62	372.62	1.23	1.23	-33.83	1,286.36	-1,054.81	1,650.47	1,648.00	2.47	669.115		
500.00	498.70	471.70	471.70	1.63	1.59	-34.17	1,286.65	-1,055.17	1,640.80	1,637.60	3.20	513.071		
600.00	597.47	571.79	571.79	2.04	1.95	-34.63	1,286.86	-1,055.50	1,628.21	1,624.27	3.94	412.998		
700.00	695.62	670.47	670.47	2.49	2.30	-35.21	1,286.97	-1,055.94	1,612.84	1,608.15	4.69	343.710		
800.00	793.06	768.70	768.70	2.97	2.64	-35.90	1,286.93	-1,056.42	1,594.67	1,589.21	5.45	292.341		
900.00	889.64	865.49	865.49	3.49	2.99	-36.72	1,286.85	-1,056.93	1,573.85	1,567.62	6.23	252.609		
1,000.00	985.27	958.61	958.60	4.05	3.32	-37.65	1,286.75	-1,057.49	1,550.50	1,543.49	7.02	221.002		
1,100.00	1,079.82	1,054.12	1,054.11	4.65	3.66	-38.73	1,286.81	-1,058.09	1,524.84	1,517.00	7.84	194.590		
1,200.00	1,173.17	1,149.06	1,149.05	5.29	3.99	-39.98	1,286.66	-1,058.69	1,496.70	1,488.02	8.68	172.379		
1,300.00	1,265.21	1,242.37	1,242.35	5.99	4.32	-41.39	1,286.33	-1,059.37	1,466.30	1,456.75	9.56	153.447		
1,400.00	1,356.55	1,334.98	1,334.96	6.71	4.65	-42.47	1,285.94	-1,059.97	1,434.98	1,424.53	10.45	137.304		
1,500.00	1,447.88	1,424.95	1,424.93	7.44	4.97	-43.56	1,285.47	-1,060.60	1,404.14	1,392.78	11.36	123.643		
1,600.00	1,539.21	1,516.14	1,516.11	8.17	5.29	-44.71	1,285.05	-1,061.30	1,373.91	1,361.62	12.29	111.812		
1,700.00	1,630.55	1,608.26	1,608.23	8.91	5.62	-45.91	1,284.75	-1,061.83	1,344.20	1,330.96	13.24	101.509		
1,800.00	1,721.88	1,702.01	1,701.98	9.65	5.95	-47.18	1,284.44	-1,062.23	1,315.00	1,300.78	14.22	92.478		
1,900.00	1,813.21	1,791.41	1,791.38	10.40	6.27	-48.44	1,284.17	-1,062.46	1,286.34	1,271.13	15.20	84.606		
2,000.00	1,904.54	1,880.47	1,880.44	11.15	6.58	-49.75	1,283.92	-1,062.97	1,258.59	1,242.38	16.21	77.642		
2,100.00	1,995.88	1,971.10	1,971.06	11.90	6.91	-51.14	1,283.62	-1,063.61	1,231.65	1,214.41	17.24	71.428		
2,200.00	2,087.21	2,061.31	2,061.28	12.65	7.23	-52.57	1,283.30	-1,064.32	1,205.56	1,187.26	18.30	65.891		
2,300.00	2,178.54	2,152.06	2,152.02	13.41	7.55	-54.07	1,283.04	-1,065.10	1,180.39	1,161.02	19.37	60.935		
2,400.00	2,269.87	2,250.60	2,250.56	14.16	7.90	-55.76	1,282.82	-1,065.61	1,155.89	1,135.41	20.47	56.454		
2,500.00	2,361.21	2,341.57	2,341.53	14.92	8.21	-57.35	1,282.80	-1,065.56	1,131.97	1,110.40	21.57	52.473		
2,600.00	2,452.54	2,431.63	2,431.59	15.67	8.52	-58.99	1,282.78	-1,065.62	1,109.13	1,086.43	22.70	48.864		
2,700.00	2,543.87	2,524.36	2,524.32	16.43	8.84	-60.74	1,282.79	-1,065.67	1,087.34	1,063.50	23.84	45.607		
2,800.00	2,635.20	2,615.54	2,615.49	17.19	9.15	-62.51	1,282.79	-1,065.64	1,066.58	1,041.59	24.99	42.682		
2,900.00	2,726.54	2,707.34	2,707.30	17.95	9.46	-64.36	1,282.78	-1,065.62	1,047.00	1,020.84	26.15	40.034		
3,000.00	2,817.87	2,798.81	2,798.77	18.71	9.76	-66.26	1,282.79	-1,065.56	1,028.62	1,001.29	27.33	37.636		
3,100.00	2,909.20	2,889.37	2,889.33	19.47	10.07	-68.20	1,282.81	-1,065.51	1,011.57	983.04	28.53	35.462		
3,200.00	3,000.54	2,980.83	2,980.79	20.22	10.39	-70.21	1,282.81	-1,065.53	995.95	966.21	29.73	33.496		
3,300.00	3,091.87	3,072.02	3,071.98	20.98	10.71	-72.27	1,282.83	-1,065.51	981.74	950.79	30.94	31.726		
3,400.00	3,183.20	3,163.15	3,163.10	21.74	11.03	-74.38	1,282.79	-1,065.54	969.07	936.91	32.16	30.134		
3,500.00	3,274.53	3,255.14	3,255.10	22.50	11.34	-76.54	1,282.86	-1,065.54	957.95	924.58	33.37	28.708		
3,600.00	3,365.87	3,346.71	3,346.66	23.27	11.66	-78.74	1,282.90	-1,065.47	948.38	913.81	34.57	27.436		
3,700.00	3,457.20	3,437.32	3,437.28	24.03	11.97	-80.95	1,282.89	-1,065.44	940.50	904.75	35.75	26.306		
3,800.00	3,548.53	3,527.79	3,527.74	24.79	12.28	-83.18	1,282.90	-1,065.49	934.43	897.50	36.93	25.304		
3,900.00	3,639.86	3,618.88	3,618.83	25.55	12.61	-85.46	1,282.87	-1,065.61	930.16	892.07	38.09	24.422		
4,000.00	3,731.20	3,711.07	3,711.03	26.31	12.93	-87.77	1,282.86	-1,065.70	927.63	888.41	39.22	23.652		
4,098.26	3,820.94	3,801.48	3,801.43	27.06	13.25	-90.05	1,282.83	-1,065.68	926.78	886.48	40.30	22.997 CC		
4,100.00	3,822.53	3,803.06	3,803.02	27.07	13.25	-90.09	1,282.83	-1,065.68	926.78	886.46	40.32	22.987		
4,200.00	3,913.86	3,894.13	3,894.08	27.83	13.56	-92.38	1,282.82	-1,065.67	927.73	886.35	41.38	22.421 ES		
4,300.00	4,005.19	3,985.13	3,985.09	28.59	13.88	-94.67	1,282.74	-1,065.66	930.47	888.06	42.40	21.943		
4,400.00	4,096.53	4,075.84	4,075.79	29.35	14.20	-96.92	1,282.74	-1,065.73	935.05	891.66	43.39	21.548		
4,500.00	4,187.86	4,167.31	4,167.27	30.12	14.52	-99.18	1,282.79	-1,065.83	941.38	897.03	44.35	21.225		
4,600.00	4,279.19	4,258.48	4,258.44	30.88	14.84	-101.40	1,282.75	-1,065.91	949.42	904.15	45.27	20.973		
4,700.00	4,370.52	4,350.01	4,349.97	31.64	15.16	-103.60	1,282.67	-1,065.96	959.12	912.97	46.15	20.784		
4,800.00	4,461.86	4,441.40	4,441.35	32.40	15.48	-105.76	1,282.55	-1,065.99	970.44	923.45	46.98	20.654		
4,900.00	4,553.19	4,533.48	4,533.44	33.16	15.80	-107.88	1,282.48	-1,065.98	983.25	935.47	47.78	20.577		
5,000.00	4,644.52	4,622.87	4,622.83	33.93	16.12	-109.89	1,282.46	-1,066.08	997.66	949.12	48.54	20.554		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
5,100.00	4,735.86	4,717.27	4,717.23	34.69	16.44	-111.96	1,282.50	-1,066.14	1,013.43	964.14	49.29	20.561		
5,200.00	4,827.19	4,808.52	4,808.48	35.45	16.76	-113.91	1,282.59	-1,066.08	1,030.44	980.45	49.98	20.615		
5,300.00	4,918.52	4,899.15	4,899.10	36.21	17.07	-115.78	1,282.66	-1,066.05	1,048.78	998.13	50.65	20.705		
5,400.00	5,009.85	4,991.57	4,991.52	36.98	17.39	-117.64	1,282.70	-1,065.98	1,068.34	1,017.03	51.31	20.823		
5,500.00	5,101.19	5,081.02	5,080.98	37.74	17.70	-119.38	1,282.69	-1,065.92	1,089.10	1,037.18	51.92	20.975		
5,600.00	5,192.52	5,174.31	5,174.26	38.50	18.02	-121.13	1,282.73	-1,065.90	1,110.98	1,058.43	52.55	21.142		
5,700.00	5,283.85	5,300.41	5,300.33	39.26	18.46	-123.33	1,284.95	-1,065.51	1,132.77	1,079.41	53.35	21.232		
5,800.00	5,375.18	5,502.16	5,501.31	40.03	19.16	-126.49	1,299.88	-1,057.60	1,149.45	1,095.10	54.35	21.150		
5,900.00	5,466.52	5,679.33	5,675.87	40.79	19.77	-129.52	1,317.75	-1,033.95	1,158.29	1,103.40	54.88	21.104		
6,000.00	5,557.85	5,797.41	5,790.96	41.55	20.19	-131.82	1,328.18	-1,009.69	1,164.50	1,109.18	55.31	21.053		
6,100.00	5,649.18	5,896.55	5,887.13	42.31	20.55	-133.78	1,337.29	-987.39	1,170.54	1,114.78	55.76	20.993		
6,200.00	5,740.51	5,982.10	5,970.13	43.08	20.86	-135.46	1,345.09	-968.21	1,178.06	1,121.83	56.23	20.952		
6,300.00	5,831.85	6,084.35	6,069.48	43.84	21.25	-137.41	1,354.64	-945.98	1,187.21	1,130.58	56.64	20.962		
6,400.00	5,923.18	6,204.10	6,185.26	44.60	21.71	-139.66	1,367.82	-918.43	1,195.60	1,138.61	56.98	20.982		
6,500.00	6,014.51	6,301.24	6,278.91	45.36	22.10	-141.44	1,379.74	-895.52	1,203.97	1,146.57	57.39	20.978		
6,600.00	6,105.85	6,417.43	6,390.63	46.13	22.58	-143.55	1,394.83	-867.42	1,212.71	1,154.97	57.73	21.005		
6,700.00	6,197.18	6,562.53	6,528.91	46.89	23.20	-146.14	1,417.84	-830.02	1,219.42	1,161.47	57.95	21.042		
6,800.00	6,288.51	6,725.58	6,681.76	47.65	23.94	-149.06	1,449.99	-783.33	1,222.69	1,164.69	58.01	21.078		
6,900.00	6,379.84	6,849.45	6,795.63	48.42	24.55	-151.40	1,477.35	-742.98	1,223.27	1,165.03	58.24	21.004		
7,000.00	6,471.18	6,962.46	6,898.09	49.18	25.14	-153.65	1,503.06	-702.83	1,223.28	1,164.75	58.53	20.899		
7,100.00	6,562.51	7,081.98	7,004.90	49.94	25.81	-156.13	1,531.51	-657.39	1,222.75	1,163.96	58.80	20.796		
7,124.07	6,584.49	7,100.42	7,021.32	50.13	25.91	-156.51	1,536.06	-650.35	1,222.68	1,163.74	58.94	20.744		
7,200.00	6,653.84	7,159.79	7,074.64	50.71	26.25	-157.68	1,550.97	-628.93	1,223.38	1,163.99	59.39	20.599		
7,300.00	6,745.17	7,214.90	7,125.35	51.47	26.54	-158.59	1,565.41	-613.03	1,227.16	1,167.05	60.10	20.417		
7,400.00	6,836.51	7,287.82	7,194.50	52.23	26.89	-159.32	1,585.77	-602.46	1,234.57	1,173.77	60.79	20.307		
7,500.00	6,927.84	7,395.26	7,296.26	52.99	27.33	-159.74	1,619.92	-600.23	1,241.97	1,180.44	61.53	20.186		
7,600.00	7,019.17	7,448.00	7,345.73	53.76	27.53	-159.71	1,637.73	-604.22	1,250.49	1,188.18	62.31	20.068		
7,700.00	7,110.50	7,514.11	7,407.16	54.52	27.73	-159.39	1,659.30	-615.45	1,261.99	1,198.87	63.12	19.994		
7,800.00	7,201.84	7,542.00	7,432.74	55.28	27.82	-159.16	1,667.75	-622.63	1,278.22	1,214.53	63.70	20.068		
7,900.00	7,293.16	7,596.42	7,481.81	56.05	27.94	-155.23	1,682.69	-640.73	1,298.48	1,234.10	64.38	20.170		
8,000.00	7,383.34	7,636.00	7,516.55	56.83	28.03	-133.02	1,692.08	-657.19	1,320.52	1,255.72	64.80	20.378		
8,100.00	7,469.66	7,671.92	7,547.24	57.62	28.10	-116.92	1,699.43	-674.32	1,341.70	1,276.68	65.02	20.635		
8,200.00	7,549.48	7,730.00	7,594.99	58.39	28.20	-106.08	1,708.78	-705.99	1,361.76	1,296.31	65.45	20.806		
8,300.00	7,620.40	7,730.00	7,594.99	59.13	28.20	-98.61	1,708.78	-705.99	1,379.15	1,314.30	64.86	21.265		
8,400.00	7,680.24	7,790.55	7,641.74	59.84	28.30	-93.96	1,715.52	-743.84	1,393.61	1,328.30	65.32	21.337		
8,500.00	7,727.20	7,825.00	7,666.74	60.51	28.35	-90.86	1,718.14	-767.38	1,405.37	1,340.00	65.37	21.498		
8,600.00	7,759.84	7,895.19	7,713.35	61.13	28.49	-89.73	1,721.96	-819.67	1,413.13	1,346.82	66.31	21.311		
8,700.00	7,777.18	7,965.40	7,753.12	61.71	28.67	-89.88	1,724.75	-877.40	1,416.56	1,349.09	67.47	20.997		
8,800.00	7,780.00	8,052.19	7,791.22	62.25	29.03	-91.26	1,727.77	-955.23	1,415.49	1,346.28	69.21	20.453		
8,900.00	7,780.00	8,142.55	7,821.67	62.83	29.60	-92.49	1,730.95	-1,040.21	1,414.13	1,342.89	71.24	19.850		
8,938.44	7,780.00	8,172.79	7,829.61	63.08	29.84	-92.81	1,731.76	-1,069.37	1,414.00	1,342.03	71.97	19.647		
9,000.00	7,780.00	8,228.31	7,841.00	63.50	30.33	-93.28	1,732.78	-1,123.69	1,414.24	1,340.91	73.34	19.284		
9,100.00	7,780.00	8,324.86	7,851.34	64.25	31.32	-93.69	1,734.12	-1,219.62	1,414.69	1,338.79	75.90	18.640		
9,200.00	7,780.00	8,401.97	7,853.79	65.08	32.23	-93.79	1,734.01	-1,296.68	1,416.23	1,338.17	78.06	18.144		
9,300.00	7,780.00	8,467.66	7,854.60	65.99	33.09	-93.82	1,732.45	-1,362.34	1,419.85	1,339.85	80.00	17.748		
9,400.00	7,780.00	8,535.69	7,855.44	67.00	34.05	-93.84	1,729.23	-1,430.29	1,425.82	1,343.70	82.13	17.361		
9,500.00	7,780.00	8,613.74	7,858.55	68.10	38.62	-93.96	1,730.15	-1,707.94	1,426.89	1,334.82	92.07	15.498		
9,600.00	7,780.00	8,689.53	7,859.54	69.29	40.03	-94.01	1,734.75	-1,783.59	1,422.16	1,327.15	95.01	14.969		
9,700.00	7,780.00	8,957.00	7,860.52	70.56	41.32	-94.05	1,737.19	-1,851.01	1,419.75	1,322.08	97.68	14.535		
9,800.00	7,780.00	9,038.36	7,861.71	71.93	42.94	-94.10	1,738.66	-1,932.35	1,419.19	1,318.20	100.99	14.053		
9,811.23	7,780.00	9,048.15	7,861.84	72.09	43.14	-94.11	1,738.79	-1,942.13	1,419.18	1,317.79	101.39	13.997		
9,900.00	7,780.00	9,123.41	7,862.88	73.38	44.68	-94.15	1,739.39	-2,017.39	1,419.60	1,315.07	104.53	13.581		

CC - Min centre to center distance or convergent 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 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 3-T4S-R65W - EXIST HZ PROPERTY RESERVE 4-65 3-4 2BH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,000.00	7,780.00	9,204.34	7,864.12	74.91	46.38	-94.19	1,739.15	-2,098.30	1,421.19	1,313.23	107.96	13.164		
10,100.00	7,780.00	9,289.27	7,865.62	76.52	48.20	-94.25	1,737.77	-2,183.20	1,424.10	1,312.47	111.63	12.758		
10,200.00	7,780.00	9,396.11	7,867.43	78.21	50.54	-94.31	1,735.52	-2,290.01	1,427.52	1,311.15	116.37	12.267		
10,300.00	7,780.00	9,531.48	7,870.05	79.96	53.58	-94.41	1,734.95	-2,425.35	1,429.29	1,306.76	122.53	11.665		
10,400.00	7,780.00	9,674.57	7,872.52	81.78	56.89	-94.51	1,739.10	-2,568.35	1,427.50	1,298.38	129.12	11.055		
10,500.00	7,780.00	9,764.47	7,874.00	83.66	59.00	-94.58	1,742.54	-2,658.18	1,425.02	1,291.68	133.35	10.686		
10,594.61	7,780.00	9,831.83	7,874.91	85.48	60.59	-94.62	1,744.21	-2,725.51	1,423.96	1,287.42	136.54	10.429		
10,600.00	7,780.00	9,835.01	7,874.95	85.59	60.67	-94.62	1,744.25	-2,728.68	1,423.96	1,287.27	136.69	10.418		
10,700.00	7,780.00	9,903.00	7,875.88	87.57	62.29	-94.66	1,743.89	-2,796.66	1,425.60	1,285.72	139.88	10.191		
10,800.00	7,780.00	10,155.83	7,879.62	89.60	68.40	-94.85	1,759.80	-3,048.38	1,417.48	1,265.73	151.75	9.341		
10,900.00	7,780.00	10,185.00	7,880.15	91.67	69.12	-94.88	1,762.11	-3,077.45	1,411.45	1,258.00	153.45	9.198		
10,997.65	7,780.00	10,235.94	7,881.11	93.74	70.37	-94.92	1,764.03	-3,128.34	1,409.44	1,253.47	155.97	9.037		
11,000.00	7,780.00	10,236.94	7,881.13	93.79	70.39	-94.92	1,764.05	-3,129.34	1,409.44	1,253.43	156.02	9.034		
11,100.00	7,780.00	10,468.00	7,884.79	95.94	76.13	-95.09	1,771.00	-3,360.08	1,411.49	1,244.55	166.94	8.455		
11,200.00	7,780.00	10,517.93	7,886.01	98.12	77.38	-95.15	1,775.45	-3,409.80	1,404.04	1,234.31	169.72	8.272		
11,300.00	7,780.00	10,571.06	7,887.27	100.33	78.71	-95.21	1,778.17	-3,462.84	1,400.20	1,227.70	172.50	8.117		
11,400.00	7,780.00	10,662.80	7,888.87	102.57	81.03	-95.28	1,781.29	-3,554.51	1,398.15	1,221.06	177.09	7.895		
11,500.00	7,780.00	10,739.58	7,889.86	104.84	82.97	-95.32	1,782.97	-3,631.26	1,397.26	1,216.33	180.93	7.723		
11,503.29	7,780.00	10,742.10	7,889.89	104.91	83.03	-95.33	1,783.00	-3,633.79	1,397.26	1,216.20	181.06	7.717		
11,600.00	7,780.00	10,788.02	7,890.50	107.13	84.18	-95.35	1,782.88	-3,679.70	1,398.90	1,215.70	183.21	7.636		
11,700.00	7,780.00	10,831.39	7,891.11	109.44	85.27	-95.36	1,780.98	-3,723.02	1,404.55	1,219.56	184.98	7.593		
11,800.00	7,780.00	10,885.00	7,891.92	111.78	86.61	-95.38	1,776.23	-3,776.40	1,414.29	1,227.12	187.17	7.556		
11,900.00	7,780.00	10,980.58	7,893.18	114.13	88.99	-95.38	1,766.05	-3,871.43	1,426.15	1,234.23	191.91	7.431		
12,000.00	7,780.00	11,101.46	7,894.68	116.50	92.02	-95.40	1,755.76	-3,991.86	1,435.76	1,237.50	198.27	7.242		
12,100.00	7,780.00	11,168.00	7,895.57	118.89	93.69	-95.41	1,749.35	-4,058.08	1,446.62	1,245.40	201.22	7.189		
12,200.00	7,780.00	11,461.05	7,898.96	121.29	101.19	-95.50	1,740.97	-4,350.73	1,448.49	1,231.24	217.24	6.668		
12,258.91	7,780.00	11,500.27	7,899.46	122.71	102.21	-95.52	1,741.75	-4,389.94	1,448.09	1,228.80	219.29	6.604		
12,300.00	7,780.00	11,527.63	7,899.83	123.71	102.91	-95.53	1,741.98	-4,417.30	1,448.28	1,227.59	220.69	6.562		
12,400.00	7,780.00	11,638.06	7,901.29	126.14	105.77	-95.59	1,742.34	-4,527.72	1,449.29	1,222.93	226.36	6.403		
12,500.00	7,780.00	11,746.22	7,902.51	128.58	108.58	-95.64	1,744.01	-4,635.86	1,449.01	1,217.10	231.91	6.248		
12,517.03	7,780.00	11,758.42	7,902.64	128.99	108.90	-95.64	1,744.19	-4,648.05	1,448.99	1,216.44	232.55	6.231		
12,600.00	7,780.00	11,817.85	7,903.22	131.03	110.45	-95.66	1,744.46	-4,707.48	1,449.66	1,214.05	235.61	6.153		
12,700.00	7,780.00	11,938.34	7,904.43	133.49	113.58	-95.71	1,744.95	-4,827.96	1,450.51	1,208.68	241.83	5.998		
12,800.00	7,780.00	12,018.00	7,905.25	135.97	115.66	-95.74	1,745.06	-4,907.62	1,451.60	1,205.66	245.94	5.902		
12,900.00	7,780.00	12,335.69	7,908.69	138.45	123.97	-95.97	1,773.80	-5,223.44	1,439.84	1,179.70	260.14	5.535		
13,000.00	7,780.00	12,395.00	7,909.33	140.94	125.52	-96.03	1,781.85	-5,282.20	1,427.69	1,163.68	264.01	5.408		
13,100.00	7,780.00	12,441.32	7,909.80	143.44	126.74	-96.07	1,786.63	-5,328.26	1,418.83	1,151.63	267.20	5.310		
13,200.00	7,780.00	12,489.00	7,910.24	145.95	127.99	-96.10	1,789.50	-5,375.85	1,413.94	1,143.82	270.13	5.234		
13,300.00	7,780.00	12,589.35	7,911.28	148.47	130.63	-96.15	1,793.71	-5,476.11	1,411.05	1,135.71	275.34	5.125		
13,400.00	7,780.00	12,669.91	7,912.25	150.99	132.76	-96.20	1,796.76	-5,556.60	1,408.57	1,128.95	279.62	5.038		
13,500.00	7,780.00	12,754.90	7,913.21	153.52	135.00	-96.24	1,798.99	-5,641.56	1,407.25	1,123.18	284.07	4.954		
13,546.56	7,780.00	12,790.35	7,913.53	154.70	135.93	-96.26	1,799.61	-5,677.00	1,407.04	1,121.12	285.92	4.921		
13,600.00	7,780.00	12,827.33	7,913.95	156.06	136.90	-96.27	1,799.87	-5,713.98	1,407.35	1,119.53	287.82	4.890		
13,700.00	7,780.00	12,904.16	7,915.09	158.60	138.93	-96.31	1,799.21	-5,790.79	1,409.49	1,117.77	291.73	4.832		
13,800.00	7,780.00	12,991.08	7,916.47	161.14	141.21	-96.36	1,797.51	-5,877.69	1,412.78	1,116.61	296.17	4.770		
13,900.00	7,780.00	13,079.59	7,917.83	163.70	143.54	-96.39	1,794.99	-5,966.15	1,416.94	1,116.26	300.68	4.712		
14,000.00	7,780.00	13,173.91	7,919.27	166.25	146.01	-96.43	1,791.67	-6,060.40	1,421.78	1,116.23	305.55	4.653		
14,100.00	7,780.00	13,280.79	7,920.72	168.81	148.82	-96.47	1,788.05	-6,167.21	1,426.46	1,115.27	311.20	4.584		
14,200.00	7,780.00	13,383.97	7,922.10	171.38	151.54	-96.50	1,784.98	-6,270.33	1,430.73	1,114.12	316.61	4.519		
14,300.00	7,780.00	13,489.22	7,923.47	173.95	154.31	-96.54	1,782.00	-6,375.54	1,434.87	1,112.71	322.16	4.454		
14,400.00	7,780.00	13,576.87	7,924.63	176.53	156.62	-96.57	1,779.69	-6,463.15	1,438.85	1,112.21	326.64	4.405		
14,500.00	7,780.00	13,642.21	7,925.45	179.10	158.34	-96.59	1,776.88	-6,528.42	1,444.54	1,114.89	329.65	4.382		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 3-T4S-R65W - EXIST HZ PROPERTY RESERVE 4-65 3-4 2BH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,600.00	7,780.00	13,691.97	7,926.03	181.69	159.64	-96.59	1,773.12	-6,578.03	1,453.34	1,121.99	331.35	4.386		
14,700.00	7,780.00	13,777.20	7,926.91	184.27	161.86	-96.58	1,764.17	-6,662.78	1,464.95	1,129.46	335.49	4.367		
14,800.00	7,780.00	13,921.40	7,928.09	186.86	165.62	-96.56	1,751.32	-6,806.40	1,475.13	1,131.18	343.95	4.289		
14,900.00	7,780.00	14,154.17	7,929.73	189.45	171.76	-96.57	1,742.78	-7,038.92	1,481.26	1,124.19	357.08	4.148		
15,000.00	7,780.00	14,352.57	7,930.17	192.05	177.04	-96.63	1,755.22	-7,236.87	1,475.05	1,108.62	366.43	4.026		
15,100.00	7,780.00	14,443.68	7,930.44	194.65	179.47	-96.67	1,762.69	-7,327.67	1,468.11	1,096.73	371.38	3.953		
15,200.00	7,780.00	14,531.35	7,930.82	197.25	181.81	-96.71	1,769.22	-7,415.10	1,461.92	1,085.73	376.19	3.886		
15,300.00	7,780.00	14,611.70	7,931.15	199.85	183.95	-96.75	1,774.42	-7,495.28	1,456.74	1,076.04	380.70	3.826		
15,400.00	7,780.00	15,400.00	7,931.43	202.46	204.98	-96.79	1,781.83	-7,614.50	1,451.79	1,047.33	404.47	3.589		
15,500.00	7,780.00	14,850.00	7,931.83	205.07	190.31	-96.84	1,792.07	-7,732.89	1,444.26	1,051.63	392.64	3.678		
15,600.00	7,780.00	14,911.23	7,932.17	207.68	191.94	-96.87	1,796.45	-7,793.96	1,438.45	1,041.98	396.47	3.628		
15,700.00	7,780.00	14,944.00	7,932.36	210.29	192.82	-96.89	1,798.05	-7,826.69	1,435.87	1,037.26	398.61	3.602		
15,726.17	7,780.00	14,970.32	7,932.52	210.98	193.52	-96.89	1,798.72	-7,853.00	1,435.53	1,035.54	399.99	3.589		
15,800.00	7,780.00	14,997.75	7,932.68	212.91	194.24	-96.90	1,798.54	-7,880.43	1,436.92	1,035.68	401.24	3.581		
15,900.00	7,780.00	15,039.00	7,932.90	215.53	195.34	-96.90	1,796.60	-7,921.63	1,442.61	1,040.02	402.59	3.583		
16,000.00	7,780.00	15,111.69	7,933.27	218.15	197.25	-96.88	1,790.99	-7,994.10	1,451.38	1,045.54	405.84	3.576		
16,100.00	7,780.00	15,239.93	7,933.86	220.77	200.62	-96.85	1,781.26	-8,121.96	1,460.23	1,047.00	413.23	3.534		
16,200.00	7,780.00	15,359.26	7,934.67	223.39	203.78	-96.84	1,773.97	-8,241.06	1,467.64	1,047.78	419.86	3.496		
16,300.00	7,780.00	15,529.22	7,935.27	226.02	208.30	-96.84	1,770.33	-8,410.97	1,470.69	1,041.25	429.45	3.425		
16,400.00	7,780.00	15,617.35	7,935.66	228.65	210.65	-96.85	1,769.81	-8,499.09	1,472.49	1,038.42	434.07	3.392		
16,500.00	7,780.00	15,723.59	7,936.23	231.28	213.48	-96.86	1,768.75	-8,605.33	1,474.73	1,035.02	439.71	3.354		
16,600.00	7,780.00	15,866.02	7,937.07	233.91	217.28	-96.89	1,770.38	-8,747.74	1,474.75	1,027.56	447.19	3.298		
16,700.00	7,780.00	16,009.80	7,937.91	236.54	221.13	-96.94	1,776.06	-8,891.40	1,472.04	1,017.69	454.35	3.240		
16,800.00	7,780.00	16,134.37	7,938.54	239.17	224.47	-96.99	1,783.70	-9,015.73	1,467.20	1,006.68	460.51	3.186		
16,900.00	7,780.00	16,223.45	7,939.28	241.81	226.85	-97.05	1,790.11	-9,104.58	1,461.37	995.97	465.40	3.140		
17,000.00	7,780.00	16,298.71	7,939.78	244.44	228.87	-97.08	1,794.19	-9,179.73	1,457.22	987.49	469.73	3.102		
17,100.00	7,780.00	16,379.97	7,940.25	247.08	231.05	-97.11	1,797.38	-9,260.91	1,454.55	980.34	474.21	3.067		
17,200.00	7,780.00	16,492.72	7,941.02	249.72	234.07	-97.15	1,800.89	-9,373.61	1,452.81	972.76	480.04	3.026		
17,300.00	7,780.00	16,625.07	7,941.89	252.36	237.62	-97.22	1,809.00	-9,505.70	1,447.72	961.16	486.56	2.975		
17,400.00	7,780.00	16,708.98	7,942.38	255.00	239.87	-97.26	1,814.05	-9,589.46	1,443.01	951.76	491.24	2.937		
17,500.00	7,780.00	16,782.37	7,942.70	257.65	241.83	-97.28	1,817.40	-9,662.77	1,439.74	944.32	495.42	2.906		
17,599.43	7,780.00	16,847.96	7,943.12	260.28	243.59	-97.31	1,819.00	-9,728.34	1,438.61	939.57	499.04	2.883		
17,600.00	7,780.00	16,848.29	7,943.12	260.29	243.60	-97.31	1,819.00	-9,728.67	1,438.61	939.56	499.05	2.883		
17,700.00	7,780.00	16,905.98	7,943.51	262.94	245.14	-97.32	1,818.80	-9,786.35	1,440.21	938.30	501.91	2.869		
17,800.00	7,780.00	16,968.50	7,943.92	265.58	246.80	-97.32	1,816.78	-9,848.85	1,444.63	939.93	504.70	2.862		
17,900.00	7,780.00	17,037.73	7,944.36	268.23	248.64	-97.31	1,812.86	-9,917.96	1,451.45	943.74	507.70	2.859		
18,000.00	7,780.00	17,128.32	7,944.89	270.88	251.04	-97.30	1,806.48	-10,008.32	1,459.66	947.38	512.27	2.849		
18,100.00	7,780.00	18,100.00	7,945.88	273.53	276.91	-97.29	1,798.66	-10,160.47	1,465.86	922.71	543.15	2.699		
18,200.00	7,780.00	17,370.48	7,946.44	276.18	257.48	-97.29	1,795.94	-10,250.21	1,470.21	944.15	526.05	2.795		
18,300.00	7,780.00	17,440.44	7,946.84	278.83	259.34	-97.28	1,792.09	-10,320.06	1,476.84	947.69	529.15	2.791		
18,400.00	7,780.00	17,576.43	7,947.81	281.48	262.95	-97.27	1,783.85	-10,455.79	1,484.46	947.38	537.08	2.764		
18,500.00	7,780.00	17,898.70	7,949.77	284.13	271.58	-97.38	1,795.44	-10,777.54	1,482.34	930.73	551.62	2.687		
18,600.00	7,780.00	17,915.00	7,949.88	286.79	272.02	-97.40	1,797.27	-10,793.74	1,474.80	919.99	554.81	2.658		
18,662.92	7,780.00	17,915.00	7,949.88	288.48	272.02	-97.40	1,797.27	-10,793.74	1,473.45	918.03	555.42	2.653 SF		
18,674.95	7,780.00	17,915.00	7,949.88	288.81	272.02	-97.40	1,797.27	-10,793.74	1,473.50	918.08	555.43	2.653		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	-38.26	1,285.53	-1,013.90	1,637.37					
100.00	100.00	75.52	75.52	0.13	0.18	-38.27	1,285.54	-1,014.00	1,637.33	1,637.01	0.32	5,184.382		
200.00	199.98	175.93	175.93	0.49	0.54	-32.36	1,285.62	-1,014.45	1,636.19	1,635.16	1.04	1,580.315		
300.00	299.84	279.36	279.36	0.86	0.91	-32.51	1,285.72	-1,014.58	1,631.92	1,630.16	1.77	922.982		
400.00	399.45	379.61	379.61	1.23	1.25	-32.76	1,285.77	-1,014.51	1,624.57	1,622.09	2.49	653.649		
500.00	498.70	476.78	476.78	1.63	1.59	-33.09	1,285.88	-1,014.47	1,614.38	1,611.18	3.20	504.009		
600.00	597.47	574.13	574.13	2.04	1.94	-33.53	1,286.09	-1,014.51	1,601.45	1,597.52	3.94	406.864		
700.00	695.62	677.73	677.73	2.49	2.30	-34.10	1,286.34	-1,014.42	1,585.64	1,580.94	4.70	337.373		
800.00	793.06	782.60	782.60	2.97	2.67	-34.81	1,286.24	-1,013.89	1,566.55	1,561.08	5.47	286.129		
900.00	889.64	881.63	881.63	3.49	3.01	-35.61	1,286.01	-1,013.08	1,544.47	1,538.22	6.25	247.266		
1,000.00	985.27	973.38	973.37	4.05	3.33	-36.51	1,285.72	-1,012.48	1,519.81	1,512.80	7.01	216.654		
1,100.00	1,079.82	1,063.88	1,063.87	4.65	3.64	-37.53	1,285.62	-1,012.06	1,492.92	1,485.12	7.81	191.240		
1,200.00	1,173.17	1,157.97	1,157.96	5.29	3.97	-38.74	1,285.57	-1,011.75	1,463.77	1,455.13	8.64	169.414		
1,300.00	1,265.21	1,245.76	1,245.75	5.99	4.29	-40.06	1,285.64	-1,011.41	1,432.40	1,422.91	9.49	150.989		
1,400.00	1,356.55	1,336.09	1,336.08	6.71	4.61	-41.07	1,285.91	-1,011.20	1,400.36	1,390.00	10.37	135.074		
1,500.00	1,447.88	1,428.26	1,428.25	7.44	4.93	-42.15	1,286.09	-1,011.05	1,368.76	1,357.49	11.27	121.432		
1,600.00	1,539.21	1,518.60	1,518.59	8.17	5.26	-43.26	1,286.20	-1,010.95	1,337.63	1,325.44	12.19	109.724		
1,700.00	1,630.55	1,611.18	1,611.16	8.91	5.59	-44.44	1,286.35	-1,010.86	1,307.06	1,293.92	13.14	99.496		
1,800.00	1,721.88	1,706.78	1,706.77	9.65	5.93	-45.71	1,286.44	-1,010.56	1,276.84	1,262.73	14.11	90.485		
1,900.00	1,813.21	1,798.00	1,797.98	10.40	6.25	-46.96	1,286.56	-1,009.95	1,247.00	1,231.91	15.09	82.625		
2,000.00	1,904.54	1,887.61	1,887.59	11.15	6.57	-48.25	1,286.71	-1,009.48	1,217.91	1,201.82	16.09	75.694		
2,100.00	1,995.88	1,977.85	1,977.84	11.90	6.89	-49.61	1,286.92	-1,009.11	1,189.61	1,172.50	17.11	69.523		
2,200.00	2,087.21	2,069.10	2,069.08	12.65	7.22	-51.05	1,287.10	-1,008.82	1,162.10	1,143.94	18.16	64.005		
2,300.00	2,178.54	2,160.32	2,160.30	13.41	7.54	-52.54	1,287.23	-1,008.56	1,135.36	1,116.13	19.22	59.062		
2,400.00	2,269.87	2,250.15	2,250.13	14.16	7.86	-54.09	1,287.33	-1,008.42	1,109.54	1,089.23	20.31	54.636		
2,500.00	2,361.21	2,341.15	2,341.13	14.92	8.18	-55.72	1,287.34	-1,008.43	1,084.72	1,063.31	21.41	50.670		
2,600.00	2,452.54	2,433.29	2,433.27	15.67	8.50	-57.44	1,287.31	-1,008.43	1,060.86	1,038.33	22.53	47.087		
2,700.00	2,543.87	2,524.17	2,524.15	16.43	8.82	-59.21	1,287.33	-1,008.39	1,038.02	1,014.35	23.68	43.840		
2,800.00	2,635.20	2,615.41	2,615.39	17.19	9.14	-61.05	1,287.37	-1,008.37	1,016.34	991.50	24.85	40.904		
2,900.00	2,726.54	2,706.75	2,706.73	17.95	9.46	-62.96	1,287.37	-1,008.37	995.85	969.82	26.03	38.252		
3,000.00	2,817.87	2,798.20	2,798.18	18.71	9.79	-64.94	1,287.38	-1,008.36	976.63	949.39	27.24	35.856		
3,100.00	2,909.20	2,889.61	2,889.59	19.47	10.11	-66.98	1,287.42	-1,008.33	958.74	930.28	28.46	33.692		
3,200.00	3,000.54	2,980.47	2,980.45	20.22	10.44	-69.08	1,287.47	-1,008.31	942.28	912.60	29.68	31.749		
3,300.00	3,091.87	3,072.22	3,072.20	20.98	10.76	-71.25	1,287.52	-1,008.32	927.34	896.43	30.91	30.002		
3,400.00	3,183.20	3,163.37	3,163.35	21.74	11.08	-73.47	1,287.58	-1,008.28	913.92	881.78	32.14	28.436		
3,500.00	3,274.53	3,254.24	3,254.22	22.50	11.39	-75.74	1,287.62	-1,008.31	902.21	868.84	33.36	27.043		
3,600.00	3,365.87	3,345.82	3,345.80	23.27	11.71	-78.07	1,287.65	-1,008.35	892.20	857.63	34.58	25.802		
3,700.00	3,457.20	3,437.41	3,437.39	24.03	12.03	-80.44	1,287.65	-1,008.36	883.92	848.14	35.79	24.700		
3,800.00	3,548.53	3,528.86	3,528.84	24.79	12.35	-82.84	1,287.64	-1,008.35	877.45	840.47	36.98	23.730		
3,900.00	3,639.86	3,620.04	3,620.02	25.55	12.66	-85.26	1,287.59	-1,008.34	872.82	834.68	38.14	22.887		
4,000.00	3,731.20	3,711.01	3,710.99	26.31	12.97	-87.70	1,287.51	-1,008.36	870.12	830.86	39.26	22.163		
4,091.13	3,814.43	3,794.27	3,794.25	27.00	13.25	-89.94	1,287.41	-1,008.39	869.32	829.07	40.25	21.596 CC		
4,100.00	3,822.53	3,802.38	3,802.36	27.07	13.28	-90.16	1,287.40	-1,008.40	869.33	828.98	40.35	21.545 ES		
4,200.00	3,913.86	3,893.69	3,893.67	27.83	13.59	-92.62	1,287.26	-1,008.41	870.45	829.05	41.40	21.024		
4,300.00	4,005.19	3,984.91	3,984.89	28.59	13.90	-95.06	1,287.19	-1,008.45	873.49	831.08	42.42	20.593		
4,400.00	4,096.53	4,076.20	4,076.18	29.35	14.21	-97.48	1,287.14	-1,008.49	878.42	835.04	43.39	20.247		
4,500.00	4,187.86	4,167.31	4,167.29	30.12	14.52	-99.87	1,287.11	-1,008.55	885.21	840.90	44.31	19.977		
4,600.00	4,279.19	4,258.24	4,258.22	30.88	14.83	-102.22	1,287.14	-1,008.67	893.84	848.65	45.19	19.778		
4,700.00	4,370.52	4,349.71	4,349.69	31.64	15.15	-104.54	1,287.07	-1,008.76	904.24	858.20	46.04	19.642		
4,800.00	4,461.86	4,440.56	4,440.54	32.40	15.46	-106.80	1,286.96	-1,008.82	916.32	869.48	46.83	19.566		
4,900.00	4,553.19	4,532.26	4,532.24	33.16	15.76	-108.95	1,286.59	-1,009.04	930.31	882.73	47.57	19.555		
5,000.00	4,644.52	4,634.54	4,634.51	33.93	16.13	-111.46	1,286.73	-1,008.83	945.28	896.90	48.38	19.539		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
5,100.00	4,735.86	4,717.22	4,717.20	34.69	16.42	-113.34	1,286.98	-1,008.66	961.62	912.58	49.04	19.610		
5,200.00	4,827.19	4,808.54	4,808.51	35.45	16.74	-115.37	1,287.11	-1,008.62	979.58	929.88	49.71	19.707		
5,300.00	4,918.52	4,900.74	4,900.72	36.21	17.07	-117.35	1,287.28	-1,008.55	998.84	948.48	50.36	19.835		
5,400.00	5,009.85	4,989.70	4,989.67	36.98	17.38	-119.20	1,287.36	-1,008.53	1,019.42	968.46	50.96	20.005		
5,500.00	5,101.19	5,081.15	5,081.13	37.74	17.69	-121.04	1,287.33	-1,008.54	1,041.30	989.74	51.55	20.199		
5,600.00	5,192.52	5,172.83	5,172.80	38.50	18.01	-122.81	1,287.29	-1,008.52	1,064.25	1,012.12	52.13	20.415		
5,700.00	5,283.85	5,263.08	5,263.05	39.26	18.33	-124.49	1,287.24	-1,008.51	1,088.28	1,035.59	52.69	20.655		
5,800.00	5,375.18	5,368.68	5,368.65	40.03	18.69	-126.38	1,287.49	-1,008.09	1,112.85	1,059.51	53.33	20.866		
5,900.00	5,466.52	5,515.14	5,514.99	40.79	19.21	-128.91	1,290.46	-1,003.37	1,135.29	1,081.13	54.17	20.959		
6,000.00	5,557.85	5,638.40	5,637.83	41.55	19.65	-131.07	1,294.55	-994.24	1,155.17	1,100.37	54.80	21.081		
6,100.00	5,649.18	5,754.91	5,753.60	42.31	20.06	-133.17	1,298.52	-981.76	1,174.00	1,118.66	55.34	21.214		
6,200.00	5,740.51	5,855.78	5,853.58	43.08	20.42	-135.00	1,301.88	-968.76	1,192.69	1,136.88	55.81	21.369		
6,300.00	5,831.85	5,970.09	5,966.37	43.84	20.84	-137.14	1,305.34	-950.56	1,210.93	1,154.68	56.26	21.524		
6,400.00	5,923.18	6,070.08	6,064.70	44.60	21.21	-139.03	1,308.24	-932.68	1,229.47	1,172.81	56.66	21.700		
6,500.00	6,014.51	6,173.82	6,166.25	45.36	21.59	-141.04	1,310.87	-911.65	1,248.26	1,191.23	57.03	21.889		
6,600.00	6,105.85	6,275.68	6,265.25	46.13	21.98	-143.08	1,312.52	-887.76	1,267.53	1,210.17	57.36	22.100		
6,700.00	6,197.18	6,366.45	6,352.86	46.89	22.34	-144.96	1,313.37	-864.01	1,287.49	1,229.84	57.65	22.333		
6,800.00	6,288.51	6,482.87	6,464.96	47.65	22.81	-147.33	1,314.64	-832.66	1,308.68	1,250.72	57.96	22.579		
6,900.00	6,379.84	6,644.59	6,619.91	48.42	23.48	-150.43	1,323.48	-787.27	1,327.23	1,268.93	58.30	22.766		
7,000.00	6,471.18	6,809.13	6,774.95	49.18	24.21	-153.60	1,339.21	-734.55	1,342.31	1,283.74	58.57	22.919		
7,100.00	6,562.51	6,930.52	6,887.41	49.94	24.78	-155.96	1,355.20	-691.76	1,354.38	1,295.46	58.91	22.989		
7,200.00	6,653.84	7,002.24	6,953.81	50.71	25.13	-157.34	1,364.73	-666.38	1,368.03	1,308.66	59.38	23.040		
7,300.00	6,745.17	7,071.00	7,018.34	51.47	25.46	-158.56	1,373.27	-644.25	1,384.72	1,324.88	59.84	23.139		
7,400.00	6,836.51	7,107.79	7,053.55	52.23	25.62	-159.13	1,377.51	-634.51	1,404.83	1,344.58	60.24	23.319		
7,500.00	6,927.84	7,166.00	7,110.58	52.99	25.88	-159.80	1,383.61	-624.76	1,429.06	1,368.37	60.69	23.549		
7,600.00	7,019.17	7,232.37	7,176.36	53.76	26.13	-160.33	1,390.57	-619.37	1,455.82	1,394.65	61.16	23.802		
7,700.00	7,110.50	7,315.08	7,258.42	54.52	26.41	-160.73	1,400.49	-618.64	1,483.25	1,421.48	61.77	24.013		
7,800.00	7,201.84	7,354.00	7,296.88	55.28	26.54	-160.77	1,405.55	-621.78	1,512.47	1,450.39	62.08	24.362		
7,900.00	7,293.16	7,407.26	7,348.93	56.05	26.69	-157.17	1,411.73	-630.95	1,544.51	1,482.02	62.49	24.717		
8,000.00	7,383.34	7,449.00	7,388.82	56.83	26.80	-134.04	1,415.29	-642.68	1,577.89	1,515.16	62.74	25.151		
8,100.00	7,469.66	7,489.94	7,426.86	57.62	26.90	-117.09	1,418.05	-657.53	1,609.59	1,546.70	62.89	25.593		
8,200.00	7,549.48	7,543.00	7,474.33	58.39	27.02	-105.55	1,421.15	-680.98	1,638.20	1,575.03	63.18	25.931		
8,300.00	7,620.40	7,678.84	7,584.28	59.13	27.37	-98.27	1,432.15	-759.49	1,660.95	1,596.17	64.79	25.637		
8,400.00	7,680.24	7,759.33	7,640.69	59.84	27.62	-93.46	1,442.37	-815.92	1,674.69	1,608.97	65.72	25.483		
8,500.00	7,727.20	7,795.78	7,663.84	60.51	27.76	-90.36	1,446.11	-843.81	1,684.46	1,618.46	66.01	25.520		
8,600.00	7,759.84	7,827.00	7,682.38	61.13	27.88	-88.63	1,448.44	-868.81	1,690.50	1,624.20	66.30	25.500		
8,700.00	7,777.18	7,861.58	7,701.32	61.71	28.06	-88.14	1,449.93	-897.70	1,692.95	1,626.12	66.83	25.334		
8,786.53	7,781.84	7,887.76	7,714.39	62.17	28.19	-88.39	1,450.22	-920.37	1,693.55	1,626.23	67.31	25.159		
8,800.00	7,780.00	7,891.56	7,716.20	62.25	28.21	-88.51	1,450.20	-923.72	1,692.73	1,625.33	67.40	25.115		
8,900.00	7,780.00	7,930.37	7,733.21	62.83	28.43	-89.09	1,449.16	-958.57	1,695.47	1,627.23	68.25	24.843		
9,000.00	7,780.00	8,139.89	7,773.20	63.50	30.12	-90.44	1,448.99	-1,162.55	1,696.42	1,623.38	73.04	23.226		
9,091.39	7,780.00	8,203.00	7,773.51	64.18	30.76	-90.45	1,450.34	-1,225.64	1,695.58	1,620.87	74.71	22.696		
9,100.00	7,780.00	8,203.00	7,773.51	64.25	30.76	-90.45	1,450.34	-1,225.64	1,695.60	1,620.88	74.72	22.693		
9,200.00	7,780.00	8,262.46	7,773.37	65.08	31.47	-90.45	1,450.25	-1,285.09	1,697.08	1,620.61	76.47	22.194		
9,300.00	7,780.00	8,337.27	7,774.09	65.99	32.43	-90.47	1,447.98	-1,359.87	1,701.16	1,622.40	78.76	21.601		
9,400.00	7,780.00	8,466.04	7,775.82	67.00	34.28	-90.53	1,444.86	-1,488.58	1,704.79	1,621.90	82.89	20.566		
9,500.00	7,780.00	8,568.64	7,778.05	68.10	35.93	-90.60	1,443.56	-1,591.15	1,707.25	1,620.75	86.50	19.737		
9,600.00	7,780.00	8,662.50	7,780.07	69.29	37.56	-90.67	1,442.16	-1,684.98	1,709.95	1,619.94	90.00	18.998		
9,700.00	7,780.00	8,774.29	7,782.62	70.56	39.62	-90.75	1,440.58	-1,796.73	1,712.57	1,618.25	94.31	18.158		
9,800.00	7,780.00	8,878.21	7,784.88	71.93	41.65	-90.83	1,439.58	-1,900.62	1,714.74	1,616.22	98.52	17.406		
9,900.00	7,780.00	8,999.49	7,787.52	73.38	44.12	-90.91	1,439.51	-2,021.87	1,716.00	1,612.46	103.53	16.574		
10,000.00	7,780.00	9,089.95	7,789.58	74.91	46.03	-90.98	1,439.99	-2,112.30	1,716.70	1,609.24	107.46	15.975		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
10,100.00	7,780.00	9,177.09	7,791.45	76.52	47.91	-91.04	1,439.21	-2,199.42	1,718.76	1,607.42	111.33	15.438		
10,200.00	7,780.00	10,200.00	7,795.90	78.21	71.20	-91.19	1,447.61	-2,437.85	1,716.02	1,576.62	139.39	12.311		
10,300.00	7,780.00	9,504.28	7,797.87	79.96	55.31	-91.26	1,454.49	-2,526.02	1,709.56	1,583.95	125.61	13.610		
10,400.00	7,780.00	9,560.20	7,799.19	81.78	56.61	-91.31	1,457.52	-2,581.83	1,705.42	1,576.93	128.50	13.272		
10,500.00	7,780.00	9,621.00	7,800.46	83.66	58.04	-91.35	1,458.99	-2,642.60	1,704.05	1,572.50	131.56	12.953		
10,508.36	7,780.00	9,621.00	7,800.46	83.82	58.04	-91.35	1,458.99	-2,642.60	1,704.03	1,572.44	131.59	12.949		
10,600.00	7,780.00	9,680.56	7,801.63	85.59	59.45	-91.39	1,459.04	-2,702.15	1,705.01	1,570.47	134.54	12.673		
10,700.00	7,780.00	9,753.16	7,803.13	87.57	61.18	-91.44	1,457.94	-2,774.72	1,707.73	1,569.64	138.09	12.367		
10,800.00	7,780.00	9,828.20	7,804.83	89.60	62.98	-91.50	1,455.70	-2,849.71	1,711.95	1,570.20	141.75	12.078		
10,900.00	7,780.00	10,049.07	7,807.69	91.67	68.33	-91.59	1,452.81	-3,070.43	1,715.80	1,563.80	152.00	11.288		
11,000.00	7,780.00	10,128.04	7,808.73	93.79	70.28	-91.62	1,455.37	-3,149.35	1,713.89	1,557.88	156.01	10.986		
11,034.43	7,780.00	10,147.45	7,809.00	94.52	70.76	-91.63	1,455.69	-3,168.75	1,713.74	1,556.69	157.04	10.912		
11,100.00	7,780.00	10,187.00	7,809.54	95.94	71.74	-91.65	1,455.82	-3,208.30	1,714.29	1,555.18	159.11	10.774		
11,200.00	7,780.00	10,232.49	7,810.18	98.12	72.86	-91.67	1,454.90	-3,253.77	1,717.45	1,555.94	161.51	10.634		
11,300.00	7,780.00	10,281.00	7,810.86	100.33	74.06	-91.69	1,452.46	-3,302.22	1,723.66	1,559.72	163.94	10.514		
11,400.00	7,780.00	10,336.19	7,811.58	102.57	75.42	-91.71	1,448.16	-3,357.23	1,732.64	1,566.03	166.61	10.399		
11,500.00	7,780.00	10,401.60	7,812.35	104.84	77.03	-91.73	1,441.44	-3,422.29	1,744.02	1,574.27	169.75	10.274		
11,600.00	7,780.00	10,531.17	7,814.00	107.13	80.22	-91.77	1,427.39	-3,551.08	1,756.29	1,579.98	176.31	9.961		
11,700.00	7,780.00	10,981.26	7,819.94	109.44	91.64	-91.96	1,430.84	-4,000.23	1,756.51	1,559.53	196.99	8.917		
11,800.00	7,780.00	11,036.00	7,820.61	111.78	93.05	-91.99	1,436.27	-4,054.70	1,748.06	1,547.65	200.42	8.722		
11,900.00	7,780.00	11,095.26	7,821.32	114.13	94.57	-92.01	1,440.70	-4,113.79	1,742.03	1,538.10	203.93	8.542		
12,000.00	7,780.00	11,131.00	7,821.76	116.50	95.49	-92.03	1,442.39	-4,149.48	1,739.03	1,532.71	206.32	8.429		
12,058.82	7,780.00	11,174.89	7,822.34	117.90	96.62	-92.05	1,443.48	-4,193.35	1,738.42	1,529.75	208.67	8.331		
12,100.00	7,780.00	11,195.65	7,822.65	118.89	97.16	-92.06	1,443.61	-4,214.11	1,738.66	1,528.82	209.85	8.285		
12,200.00	7,780.00	11,270.97	7,823.81	121.29	99.10	-92.10	1,442.70	-4,289.42	1,740.96	1,527.14	213.82	8.142		
12,300.00	7,780.00	11,374.21	7,825.31	123.71	101.77	-92.14	1,441.48	-4,392.64	1,743.38	1,524.25	219.13	7.956		
12,400.00	7,780.00	11,528.68	7,827.48	126.14	105.77	-92.21	1,441.25	-4,547.09	1,745.04	1,518.23	226.81	7.694		
12,500.00	7,780.00	11,772.46	7,830.35	128.58	112.13	-92.32	1,456.95	-4,790.28	1,739.28	1,501.54	237.74	7.316		
12,600.00	7,780.00	11,889.27	7,831.91	131.03	115.18	-92.39	1,469.64	-4,906.38	1,729.61	1,486.10	243.51	7.103		
12,700.00	7,780.00	11,954.43	7,832.74	133.49	116.88	-92.42	1,476.23	-4,971.20	1,720.71	1,473.21	247.50	6.952		
12,800.00	7,780.00	12,018.89	7,833.44	135.97	118.57	-92.45	1,481.52	-5,035.44	1,713.73	1,462.36	251.38	6.817		
12,900.00	7,780.00	12,074.00	7,834.17	138.45	120.02	-92.48	1,484.94	-5,090.44	1,708.93	1,454.16	254.77	6.708		
13,000.00	7,780.00	12,120.64	7,834.84	140.94	121.24	-92.51	1,486.50	-5,137.05	1,707.03	1,449.40	257.62	6.626		
13,005.06	7,780.00	12,122.74	7,834.87	141.07	121.29	-92.51	1,486.53	-5,139.14	1,707.02	1,449.27	257.75	6.623		
13,100.00	7,780.00	12,168.00	7,835.51	143.44	122.48	-92.53	1,486.24	-5,184.40	1,708.59	1,448.31	260.28	6.564		
13,200.00	7,780.00	12,233.71	7,836.39	145.95	124.19	-92.55	1,484.21	-5,250.07	1,712.78	1,449.06	263.72	6.495		
13,300.00	7,780.00	12,314.97	7,837.38	148.47	126.31	-92.58	1,480.72	-5,331.24	1,718.28	1,450.36	267.92	6.413		
13,400.00	7,780.00	12,508.63	7,839.87	150.99	131.39	-92.65	1,476.80	-5,524.80	1,721.52	1,443.58	277.94	6.194		
13,500.00	7,780.00	12,619.75	7,841.18	153.52	134.32	-92.70	1,477.84	-5,635.90	1,721.83	1,438.12	283.71	6.069		
13,547.47	7,780.00	12,665.62	7,841.74	154.72	135.53	-92.71	1,478.48	-5,681.77	1,721.76	1,435.63	286.12	6.018		
13,600.00	7,780.00	12,710.65	7,842.22	156.06	136.71	-92.73	1,478.93	-5,726.80	1,721.87	1,433.34	288.53	5.968		
13,700.00	7,780.00	12,802.56	7,843.01	158.60	139.14	-92.76	1,479.39	-5,818.70	1,722.58	1,429.18	293.40	5.871		
13,800.00	7,780.00	12,937.23	7,844.34	161.14	142.70	-92.80	1,481.14	-5,953.35	1,722.52	1,422.26	300.27	5.737		
13,882.52	7,780.00	13,000.61	7,844.81	163.25	144.37	-92.82	1,482.26	-6,016.72	1,722.06	1,418.33	303.74	5.670		
13,900.00	7,780.00	13,014.04	7,844.85	163.70	144.73	-92.82	1,482.40	-6,030.15	1,722.08	1,417.62	304.47	5.656		
14,000.00	7,780.00	13,122.19	7,845.15	166.25	147.59	-92.83	1,483.64	-6,138.28	1,722.13	1,412.02	310.11	5.553		
14,012.02	7,780.00	13,125.49	7,845.16	166.56	147.68	-92.83	1,483.66	-6,141.59	1,722.16	1,411.82	310.34	5.549		
14,100.00	7,780.00	13,181.23	7,845.41	168.81	149.15	-92.84	1,483.65	-6,197.32	1,723.22	1,409.81	313.41	5.498		
14,200.00	7,780.00	13,243.75	7,845.69	171.38	150.80	-92.84	1,482.39	-6,259.83	1,726.43	1,409.71	316.72	5.451		
14,300.00	7,780.00	13,301.00	7,846.00	173.95	152.31	-92.85	1,480.03	-6,317.03	1,731.85	1,412.26	319.59	5.419		
14,400.00	7,780.00	13,364.74	7,846.36	176.53	153.97	-92.85	1,475.95	-6,380.64	1,739.52	1,416.83	322.68	5.391		
14,500.00	7,780.00	13,395.00	7,846.51	179.10	154.77	-92.85	1,473.46	-6,410.79	1,749.90	1,426.49	323.41	5.411		

CC - Min centre to center distance or convergent 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 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
14,600.00	7,780.00	13,451.34	7,846.82	181.69	156.22	-92.85	1,467.02	-6,466.76	1,763.10	1,437.51	325.60	5.415		
14,700.00	7,780.00	13,490.00	7,847.08	184.27	157.21	-92.85	1,460.93	-6,504.93	1,779.99	1,453.74	326.25	5.456		
14,800.00	7,780.00	13,845.55	7,849.57	186.86	166.49	-92.87	1,432.22	-6,858.68	1,783.79	1,435.52	348.27	5.122		
14,900.00	7,780.00	13,978.77	7,850.47	189.45	170.02	-92.90	1,428.67	-6,991.85	1,787.84	1,432.58	355.26	5.033		
15,000.00	7,780.00	14,080.90	7,851.26	192.05	172.73	-92.92	1,428.17	-7,093.97	1,789.52	1,428.87	360.66	4.962		
15,100.00	7,780.00	14,131.86	7,851.64	194.65	174.08	-92.93	1,426.93	-7,144.91	1,793.18	1,429.78	363.40	4.934		
15,200.00	7,780.00	14,187.78	7,851.99	197.25	175.56	-92.93	1,424.05	-7,200.75	1,799.48	1,433.30	366.18	4.914		
15,300.00	7,780.00	14,553.41	7,854.74	199.85	185.26	-93.02	1,426.33	-7,565.80	1,801.38	1,418.00	383.38	4.699		
15,400.00	7,780.00	14,717.26	7,855.59	202.46	189.63	-93.07	1,443.75	-7,728.70	1,791.72	1,401.34	390.38	4.590		
15,500.00	7,780.00	14,774.21	7,855.94	205.07	191.14	-93.09	1,449.94	-7,785.31	1,782.07	1,387.47	394.60	4.516		
15,600.00	7,780.00	14,812.00	7,856.15	207.68	192.15	-93.10	1,453.29	-7,822.95	1,775.00	1,377.03	397.97	4.460		
15,700.00	7,780.00	14,880.98	7,856.54	210.29	193.99	-93.12	1,457.60	-7,891.79	1,770.25	1,368.11	402.14	4.402		
15,800.00	7,780.00	14,936.64	7,856.85	212.91	195.47	-93.13	1,459.32	-7,947.42	1,768.32	1,362.70	405.62	4.360		
15,830.86	7,780.00	14,954.92	7,856.93	213.72	195.96	-93.14	1,459.61	-7,965.71	1,768.21	1,361.51	406.70	4.348		
15,900.00	7,780.00	15,001.00	7,857.09	215.53	197.19	-93.14	1,459.75	-8,011.78	1,768.76	1,359.48	409.28	4.322		
16,000.00	7,780.00	15,106.50	7,857.40	218.15	200.00	-93.15	1,459.55	-8,117.29	1,770.15	1,355.29	414.87	4.267		
16,100.00	7,780.00	15,192.34	7,857.99	220.77	202.29	-93.17	1,459.32	-8,203.12	1,771.62	1,352.13	419.49	4.223		
16,200.00	7,780.00	15,285.19	7,858.52	223.39	204.77	-93.18	1,458.60	-8,295.96	1,773.60	1,349.15	424.45	4.179		
16,300.00	7,780.00	15,371.05	7,858.90	226.02	207.06	-93.19	1,457.42	-8,381.82	1,776.18	1,347.14	429.04	4.140		
16,400.00	7,780.00	15,487.07	7,859.74	228.65	210.15	-93.21	1,455.83	-8,497.82	1,778.77	1,343.60	435.18	4.087		
16,500.00	7,780.00	15,585.53	7,860.41	231.28	212.77	-93.23	1,454.60	-8,596.27	1,781.23	1,340.81	440.42	4.044		
16,600.00	7,780.00	15,783.23	7,862.08	233.91	218.06	-93.28	1,458.09	-8,793.91	1,780.73	1,330.69	450.04	3.957		
16,700.00	7,780.00	15,905.81	7,863.78	236.54	221.34	-93.35	1,465.11	-8,916.27	1,776.15	1,319.99	456.17	3.894		
16,800.00	7,780.00	16,123.24	7,865.91	239.17	227.15	-93.45	1,485.78	-9,132.63	1,767.46	1,302.95	464.52	3.805		
16,900.00	7,780.00	16,169.02	7,866.38	241.81	228.37	-93.48	1,490.97	-9,178.10	1,757.58	1,288.90	468.68	3.750		
17,000.00	7,780.00	16,228.00	7,867.12	244.44	229.95	-93.51	1,494.99	-9,236.94	1,751.43	1,278.58	472.85	3.704		
17,100.00	7,780.00	16,256.99	7,867.52	247.08	230.73	-93.52	1,496.04	-9,265.91	1,748.01	1,272.41	475.60	3.675		
17,177.90	7,780.00	16,303.58	7,868.13	249.14	231.97	-93.54	1,497.05	-9,312.48	1,747.30	1,268.92	478.38	3.653		
17,200.00	7,780.00	16,322.00	7,868.36	249.72	232.47	-93.55	1,497.22	-9,330.90	1,747.37	1,267.98	479.38	3.645		
17,300.00	7,780.00	16,391.78	7,869.24	252.36	234.33	-93.58	1,497.18	-9,400.67	1,748.60	1,265.38	483.22	3.619		
17,400.00	7,780.00	16,469.28	7,870.26	255.00	236.40	-93.61	1,496.16	-9,478.16	1,751.17	1,263.82	487.35	3.593		
17,500.00	7,780.00	16,543.52	7,871.28	257.65	238.38	-93.63	1,494.23	-9,552.37	1,755.05	1,263.85	491.20	3.573		
17,600.00	7,780.00	16,613.56	7,871.95	260.29	240.25	-93.65	1,491.22	-9,622.34	1,760.57	1,265.88	494.69	3.559		
17,700.00	7,780.00	16,685.38	7,872.60	262.94	242.15	-93.66	1,486.95	-9,694.03	1,767.72	1,269.56	498.17	3.548		
17,800.00	7,780.00	16,775.02	7,873.66	265.58	244.53	-93.68	1,480.58	-9,783.43	1,776.06	1,273.28	502.77	3.533		
17,900.00	7,780.00	16,923.24	7,875.89	268.23	248.46	-93.73	1,471.56	-9,931.36	1,783.49	1,272.26	511.23	3.489		
18,000.00	7,780.00	17,085.10	7,878.32	270.88	252.78	-93.79	1,466.99	-10,093.12	1,787.60	1,267.55	520.05	3.437		
18,100.00	7,780.00	17,205.57	7,880.17	273.53	256.00	-93.84	1,466.13	-10,213.57	1,789.64	1,263.24	526.40	3.400		
18,200.00	7,780.00	17,351.28	7,882.34	276.18	259.91	-93.91	1,468.30	-10,359.25	1,789.38	1,255.61	533.77	3.352		
18,300.00	7,780.00	17,438.13	7,883.66	278.83	262.23	-93.96	1,470.37	-10,446.07	1,788.28	1,249.75	538.54	3.321		
18,365.49	7,780.00	17,492.21	7,884.56	280.56	263.68	-93.99	1,471.25	-10,500.13	1,788.07	1,246.55	541.52	3.302		
18,400.00	7,780.00	17,520.57	7,884.99	281.48	264.44	-94.00	1,471.56	-10,528.48	1,788.13	1,245.06	543.07	3.293		
18,500.00	7,780.00	17,596.08	7,886.04	284.13	266.47	-94.03	1,471.81	-10,603.99	1,789.09	1,241.88	547.21	3.269		
18,600.00	7,780.00	17,667.04	7,887.08	286.79	268.37	-94.06	1,470.94	-10,674.93	1,791.60	1,240.59	551.01	3.252		
18,674.95	7,780.00	17,718.68	7,887.83	288.81	269.75	-94.08	1,469.54	-10,726.55	1,794.58	1,240.94	553.65	3.241 SF		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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	-37.16	1,285.53	-974.25	1,613.11					
100.00	100.00	68.48	68.48	0.13	0.16	-37.16	1,285.57	-974.44	1,613.19	1,612.90	0.29	5,519.692		
200.00	199.98	161.31	161.30	0.49	0.49	-31.27	1,285.92	-975.72	1,612.81	1,611.83	0.98	1,639.652		
300.00	299.84	261.16	261.14	0.86	0.85	-31.42	1,286.42	-976.96	1,609.49	1,607.79	1.71	942.580		
400.00	399.45	364.46	364.43	1.23	1.22	-31.68	1,286.91	-978.15	1,603.13	1,600.68	2.45	654.603		
500.00	498.70	465.90	465.87	1.63	1.58	-32.04	1,287.27	-979.13	1,593.63	1,590.44	3.19	499.531		
600.00	597.47	568.90	568.87	2.04	1.95	-32.50	1,287.68	-979.81	1,581.07	1,577.12	3.94	400.846		
700.00	695.62	668.82	668.78	2.49	2.30	-33.04	1,288.12	-980.01	1,565.41	1,560.71	4.70	333.359		
800.00	793.06	767.63	767.59	2.97	2.66	-33.70	1,288.52	-980.16	1,546.88	1,541.43	5.46	283.419		
900.00	889.64	866.32	866.28	3.49	3.01	-34.49	1,288.81	-980.27	1,525.52	1,519.28	6.24	244.605		
1,000.00	985.27	956.56	956.52	4.05	3.33	-35.36	1,289.15	-980.46	1,501.62	1,494.61	7.01	214.302		
1,100.00	1,079.82	1,047.05	1,047.00	4.65	3.65	-36.36	1,289.77	-980.78	1,475.47	1,467.67	7.80	189.104		
1,200.00	1,173.17	1,142.30	1,142.26	5.29	3.99	-37.55	1,290.60	-981.12	1,447.02	1,438.38	8.64	167.465		
1,300.00	1,265.21	1,235.97	1,235.92	5.99	4.32	-38.88	1,291.34	-981.25	1,416.04	1,406.54	9.50	148.994		
1,400.00	1,356.55	1,324.77	1,324.72	6.71	4.64	-39.87	1,292.05	-981.45	1,384.19	1,373.81	10.38	133.414		
1,500.00	1,447.88	1,418.15	1,418.09	7.44	4.97	-40.93	1,293.04	-981.61	1,352.90	1,341.62	11.28	119.965		
1,600.00	1,539.21	1,510.64	1,510.58	8.17	5.30	-42.04	1,293.78	-981.72	1,321.86	1,309.66	12.20	108.377		
1,700.00	1,630.55	1,601.47	1,601.41	8.91	5.63	-43.17	1,294.59	-981.82	1,291.36	1,278.23	13.13	98.345		
1,800.00	1,721.88	1,693.36	1,693.29	9.65	5.95	-44.35	1,295.55	-981.84	1,261.43	1,247.34	14.09	89.544		
1,900.00	1,813.21	1,785.71	1,785.64	10.40	6.28	-45.59	1,296.55	-981.76	1,232.00	1,216.94	15.06	81.785		
2,000.00	1,904.54	1,875.70	1,875.62	11.15	6.60	-46.86	1,297.46	-981.76	1,203.18	1,187.12	16.06	74.939		
2,100.00	1,995.88	1,965.12	1,965.04	11.90	6.92	-48.19	1,298.32	-982.07	1,175.23	1,158.16	17.07	68.855		
2,200.00	2,087.21	2,056.17	2,056.08	12.65	7.25	-49.60	1,299.15	-982.55	1,148.07	1,129.96	18.11	63.402		
2,300.00	2,178.54	2,147.86	2,147.76	13.41	7.58	-51.09	1,299.91	-983.12	1,121.70	1,102.53	19.17	58.511		
2,400.00	2,269.87	2,248.04	2,247.95	14.16	7.93	-52.79	1,300.52	-983.50	1,095.88	1,075.60	20.28	54.049		
2,500.00	2,361.21	2,388.40	2,388.25	14.92	8.41	-55.26	1,300.36	-980.40	1,068.63	1,047.18	21.45	49.814		
2,600.00	2,452.54	2,499.91	2,499.55	15.67	8.79	-57.33	1,298.23	-973.89	1,038.43	1,015.86	22.57	46.011		
2,700.00	2,543.87	2,586.30	2,585.77	16.43	9.07	-59.13	1,294.91	-969.53	1,009.10	985.41	23.69	42.595		
2,800.00	2,635.20	2,674.95	2,674.24	17.19	9.37	-61.11	1,290.81	-965.68	981.20	956.36	24.84	39.495		
2,900.00	2,726.54	2,767.10	2,766.21	17.95	9.68	-63.21	1,287.43	-961.05	954.44	928.42	26.02	36.681		
3,000.00	2,817.87	2,857.64	2,856.57	18.71	9.99	-65.31	1,285.16	-955.81	928.82	901.61	27.21	34.132		
3,100.00	2,909.20	2,946.68	2,945.43	19.47	10.30	-67.42	1,283.72	-950.41	904.64	876.22	28.42	31.831		
3,200.00	3,000.54	3,035.68	3,034.26	20.22	10.60	-69.66	1,281.65	-945.34	882.02	852.37	29.65	29.750		
3,300.00	3,091.87	3,121.85	3,120.27	20.98	10.90	-71.97	1,279.01	-940.77	861.20	830.31	30.89	27.881		
3,400.00	3,183.20	3,199.53	3,197.85	21.74	11.17	-74.11	1,277.02	-937.39	843.11	810.98	32.12	26.246		
3,500.00	3,274.53	3,265.77	3,264.06	22.50	11.40	-75.96	1,276.13	-935.79	828.85	795.52	33.32	24.872		
3,600.00	3,365.87	3,346.55	3,344.84	23.27	11.68	-78.21	1,275.98	-935.76	818.73	784.21	34.53	23.713		
3,700.00	3,457.20	3,438.35	3,436.64	24.03	11.99	-80.81	1,275.87	-935.88	810.78	775.04	35.74	22.685		
3,800.00	3,548.53	3,530.33	3,528.62	24.79	12.31	-83.45	1,275.85	-935.93	804.74	767.80	36.93	21.790		
3,900.00	3,639.86	3,621.34	3,619.63	25.55	12.62	-86.09	1,275.78	-935.94	800.68	762.59	38.09	21.021		
4,000.00	3,731.20	3,712.18	3,710.47	26.31	12.94	-88.74	1,275.79	-936.04	798.79	759.58	39.21	20.371		
4,042.22	3,769.76	3,750.92	3,749.21	26.63	13.07	-89.87	1,275.78	-936.08	798.61	758.93	39.67	20.129 CC		
4,100.00	3,822.53	3,803.85	3,802.14	27.07	13.25	-91.42	1,275.74	-936.11	798.95	758.65	40.29	19.828 ES		
4,200.00	3,913.86	3,893.71	3,892.00	27.83	13.57	-94.04	1,275.67	-936.19	801.19	759.86	41.32	19.388		
4,300.00	4,005.19	3,983.20	3,981.49	28.59	13.87	-96.66	1,275.21	-936.54	805.86	763.55	42.30	19.051		
4,400.00	4,096.53	4,078.49	4,076.77	29.35	14.20	-99.39	1,275.01	-936.67	812.27	769.02	43.25	18.780		
4,500.00	4,187.86	4,169.62	4,167.91	30.12	14.52	-101.96	1,275.01	-936.63	820.48	776.34	44.14	18.590		
4,600.00	4,279.19	4,259.18	4,257.46	30.88	14.83	-104.44	1,274.90	-936.75	830.78	785.82	44.96	18.477		
4,700.00	4,370.52	4,351.76	4,350.05	31.64	15.15	-106.95	1,274.80	-936.86	842.92	797.17	45.76	18.421		
4,800.00	4,461.86	4,443.37	4,441.66	32.40	15.46	-109.37	1,274.63	-936.82	856.73	810.23	46.50	18.424		
4,900.00	4,553.19	4,532.52	4,530.81	33.16	15.77	-111.69	1,274.05	-936.69	872.38	825.20	47.19	18.488		
5,000.00	4,644.52	4,625.07	4,623.35	33.93	16.09	-114.01	1,273.65	-936.70	889.69	841.84	47.86	18.591		

CC - Min centre to center distance or convergent 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 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
5,100.00	4,735.86	4,717.57	4,715.86	34.69	16.41	-116.22	1,273.57	-936.75	908.38	859.89	48.50	18.731		
5,200.00	4,827.19	4,809.06	4,807.34	35.45	16.73	-118.33	1,273.52	-936.74	928.42	879.32	49.10	18.908		
5,300.00	4,918.52	4,901.73	4,900.01	36.21	17.05	-120.39	1,273.57	-936.70	949.71	900.02	49.70	19.111		
5,400.00	5,009.85	4,991.58	4,989.87	36.98	17.36	-122.29	1,273.65	-936.70	972.25	922.00	50.25	19.347		
5,500.00	5,101.19	5,083.63	5,081.91	37.74	17.68	-124.17	1,273.67	-936.69	995.97	945.17	50.81	19.603		
5,600.00	5,192.52	5,173.51	5,171.79	38.50	18.00	-125.93	1,273.63	-936.67	1,020.80	969.46	51.33	19.886		
5,700.00	5,283.85	5,264.57	5,262.85	39.26	18.31	-127.64	1,273.54	-936.73	1,046.71	994.85	51.86	20.184		
5,800.00	5,375.18	5,356.30	5,354.58	40.03	18.63	-129.28	1,273.49	-936.80	1,073.53	1,021.15	52.38	20.495		
5,900.00	5,466.52	5,447.20	5,445.49	40.79	18.95	-130.83	1,273.42	-936.84	1,101.20	1,048.30	52.89	20.819		
6,000.00	5,557.85	5,541.03	5,539.31	41.55	19.28	-132.39	1,273.06	-936.43	1,129.61	1,076.19	53.42	21.146		
6,100.00	5,649.18	5,637.03	5,635.26	42.31	19.61	-134.03	1,271.52	-933.99	1,158.50	1,104.57	53.92	21.484		
6,200.00	5,740.51	5,744.83	5,742.82	43.08	19.99	-135.95	1,268.24	-927.58	1,187.45	1,133.00	54.45	21.807		
6,300.00	5,831.85	5,861.69	5,859.20	43.84	20.40	-138.04	1,265.33	-917.41	1,215.51	1,160.51	55.00	22.100		
6,400.00	5,923.18	5,959.76	5,956.74	44.60	20.75	-139.74	1,263.66	-907.41	1,243.21	1,187.77	55.44	22.426		
6,500.00	6,014.51	6,049.27	6,045.63	45.36	21.07	-141.29	1,261.62	-897.15	1,271.71	1,215.89	55.82	22.783		
6,600.00	6,105.85	6,140.81	6,136.13	46.13	21.40	-142.94	1,258.24	-883.87	1,300.89	1,244.72	56.17	23.158		
6,700.00	6,197.18	6,209.69	6,203.80	46.89	21.65	-144.25	1,253.95	-871.75	1,331.80	1,275.43	56.38	23.622		
6,800.00	6,288.51	6,277.33	6,269.83	47.65	21.91	-145.59	1,247.96	-858.41	1,365.08	1,308.54	56.54	24.144		
6,900.00	6,379.84	6,346.65	6,337.14	48.42	22.17	-146.98	1,240.36	-843.67	1,400.66	1,343.98	56.68	24.711		
7,000.00	6,471.18	6,422.59	6,410.70	49.18	22.47	-148.47	1,231.22	-827.14	1,438.13	1,381.27	56.86	25.293		
7,100.00	6,562.51	6,516.82	6,501.85	49.94	22.84	-150.27	1,219.90	-806.10	1,476.64	1,419.46	57.17	25.828		
7,200.00	6,653.84	6,615.18	6,596.65	50.71	23.24	-152.11	1,208.56	-782.49	1,515.41	1,457.88	57.53	26.343		
7,300.00	6,745.17	6,697.09	6,675.11	51.47	23.58	-153.64	1,198.90	-761.03	1,554.96	1,497.18	57.78	26.912		
7,400.00	6,836.51	6,765.78	6,740.70	52.23	23.87	-154.89	1,190.34	-742.53	1,595.99	1,538.03	57.96	27.536		
7,500.00	6,927.84	6,831.67	6,803.63	52.99	24.16	-156.05	1,181.65	-725.03	1,638.73	1,580.60	58.13	28.190		
7,600.00	7,019.17	6,901.00	6,869.84	53.76	24.46	-157.23	1,171.90	-706.95	1,683.22	1,624.87	58.35	28.847		
7,700.00	7,110.50	6,995.87	6,960.43	54.52	24.89	-158.76	1,158.64	-682.10	1,728.55	1,669.74	58.81	29.392		
7,800.00	7,201.84	7,096.40	7,056.48	55.28	25.34	-160.32	1,146.01	-655.23	1,773.41	1,714.05	59.35	29.879		
7,900.00	7,293.16	7,156.37	7,114.05	56.05	25.62	-157.47	1,138.40	-640.27	1,819.42	1,759.85	59.57	30.542		
8,000.00	7,383.34	7,201.63	7,157.90	56.83	25.81	-133.61	1,132.32	-630.88	1,864.94	1,805.32	59.62	31.278		
8,100.00	7,469.66	7,572.99	7,520.55	57.62	26.99	-119.65	1,131.55	-673.46	1,895.46	1,832.24	63.22	29.983		
8,200.00	7,549.48	7,605.15	7,549.69	58.39	27.07	-108.23	1,134.40	-686.75	1,921.36	1,857.96	63.39	30.309		
8,300.00	7,620.40	7,637.00	7,577.84	59.13	27.15	-100.39	1,136.39	-701.50	1,944.76	1,881.22	63.54	30.609		
8,400.00	7,680.24	7,637.00	7,577.84	59.84	27.15	-94.59	1,136.39	-701.50	1,965.87	1,902.59	63.29	31.062		
8,500.00	7,727.20	7,683.40	7,617.38	60.51	27.26	-91.16	1,137.34	-725.74	1,982.87	1,919.17	63.70	31.129		
8,600.00	7,759.84	7,731.00	7,655.77	61.13	27.38	-89.21	1,135.47	-753.78	1,997.72	1,933.47	64.25	31.093		
8,700.00	7,777.18	7,731.00	7,655.77	61.71	27.38	-87.56	1,135.47	-753.78	2,007.92	1,943.64	64.28	31.239		
8,800.00	7,780.00	7,807.59	7,711.77	62.25	27.60	-88.62	1,130.68	-805.69	2,015.16	1,949.62	65.55	30.744		
8,900.00	7,780.00	8,060.91	7,833.56	62.83	28.83	-92.08	1,128.00	-1,025.18	2,016.87	1,946.82	70.05	28.792		
9,000.00	7,780.00	8,163.85	7,849.69	63.50	29.65	-92.54	1,128.97	-1,126.67	2,017.74	1,945.33	72.41	27.866		
9,100.00	7,780.00	8,246.22	7,851.73	64.25	30.44	-92.60	1,129.55	-1,209.01	2,018.39	1,943.84	74.55	27.073		
9,200.00	7,780.00	8,309.54	7,852.18	65.08	31.13	-92.61	1,128.81	-1,272.31	2,020.76	1,944.33	76.43	26.439		
9,300.00	7,780.00	8,377.36	7,852.51	65.99	31.96	-92.62	1,126.87	-1,340.11	2,024.80	1,946.23	78.57	25.771		
9,400.00	7,780.00	8,470.74	7,853.56	67.00	33.23	-92.64	1,123.21	-1,433.41	2,029.94	1,948.38	81.55	24.891		
9,500.00	7,780.00	8,618.72	7,855.83	68.10	35.53	-92.70	1,119.09	-1,581.30	2,033.99	1,947.60	86.40	23.543		
9,600.00	7,780.00	8,734.24	7,858.03	69.29	37.53	-92.75	1,117.99	-1,696.80	2,036.17	1,945.60	90.58	22.480		
9,700.00	7,780.00	8,828.26	7,860.08	70.56	39.26	-92.81	1,117.20	-1,790.79	2,038.30	1,944.05	94.25	21.626		
9,800.00	7,780.00	9,096.57	7,864.59	71.93	44.63	-92.95	1,129.40	-2,058.62	2,032.51	1,928.44	104.07	19.530		
9,900.00	7,780.00	9,157.63	7,865.72	73.38	45.92	-92.99	1,133.15	-2,119.55	2,027.61	1,920.61	107.00	18.949		
10,000.00	7,780.00	9,242.20	7,867.29	74.91	47.75	-93.03	1,137.31	-2,204.00	2,023.97	1,913.15	110.81	18.265		
10,100.00	7,780.00	9,296.42	7,868.35	76.52	48.95	-93.07	1,139.16	-2,258.18	2,021.84	1,908.26	113.58	17.801		
10,200.00	7,780.00	9,648.19	7,874.53	78.21	56.97	-93.27	1,161.92	-2,608.62	2,021.70	1,894.60	127.09	15.907		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</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		
10,300.00	7,780.00	9,715.00	7,875.77	79.96	58.54	-93.32	1,171.33	-2,674.74	2,008.97	1,878.35	130.62	15.380		
10,400.00	7,780.00	9,748.83	7,876.41	81.78	59.34	-93.35	1,175.27	-2,708.33	1,998.73	1,865.75	132.98	15.030		
10,500.00	7,780.00	9,809.00	7,877.61	83.66	60.77	-93.39	1,179.24	-2,768.35	1,992.53	1,856.28	136.25	14.624		
10,600.00	7,780.00	9,809.00	7,877.61	85.59	60.77	-93.39	1,179.24	-2,768.35	1,988.47	1,851.30	137.17	14.496		
10,677.98	7,780.00	9,856.19	7,878.60	87.13	61.91	-93.42	1,180.34	-2,815.52	1,987.75	1,848.08	139.67	14.231		
10,700.00	7,780.00	9,867.99	7,878.86	87.57	62.19	-93.42	1,180.46	-2,827.32	1,987.81	1,847.49	140.31	14.167		
10,800.00	7,780.00	9,922.34	7,880.06	89.60	63.50	-93.46	1,180.26	-2,881.65	1,989.48	1,846.25	143.23	13.890		
10,900.00	7,780.00	9,978.03	7,881.27	91.67	64.84	-93.49	1,178.80	-2,937.31	1,993.40	1,847.23	146.17	13.638		
11,000.00	7,780.00	10,030.75	7,882.37	93.79	66.12	-93.51	1,176.23	-2,989.95	1,999.58	1,850.65	148.93	13.426		
11,100.00	7,780.00	10,092.00	7,883.59	95.94	67.60	-93.54	1,171.60	-3,051.01	2,008.23	1,856.20	152.03	13.209		
11,200.00	7,780.00	10,143.34	7,884.60	98.12	68.84	-93.56	1,166.62	-3,102.10	2,018.97	1,864.33	154.64	13.056		
11,300.00	7,780.00	10,208.05	7,885.91	100.33	70.40	-93.58	1,159.33	-3,166.38	2,031.50	1,873.66	157.83	12.871		
11,400.00	7,780.00	10,280.00	7,887.36	102.57	72.13	-93.60	1,149.98	-3,237.71	2,045.69	1,884.33	161.36	12.678		
11,500.00	7,780.00	10,765.59	7,896.24	104.84	84.23	-93.81	1,134.12	-3,721.61	2,047.33	1,864.00	183.33	11.168		
11,600.00	7,780.00	10,870.20	7,897.96	107.13	86.90	-93.87	1,139.81	-3,826.06	2,043.18	1,854.62	188.56	10.836		
11,700.00	7,780.00	10,977.12	7,899.74	109.44	89.64	-93.93	1,146.09	-3,932.78	2,038.60	1,844.71	193.90	10.514		
11,800.00	7,780.00	11,077.89	7,901.67	111.78	92.22	-93.99	1,152.04	-4,033.35	2,034.01	1,834.99	199.02	10.220		
11,900.00	7,780.00	11,195.29	7,903.83	114.13	95.25	-94.07	1,159.50	-4,150.50	2,028.99	1,824.21	204.78	9.908		
12,000.00	7,780.00	11,275.88	7,905.31	116.50	97.33	-94.12	1,164.90	-4,230.89	2,023.66	1,814.50	209.17	9.675		
12,100.00	7,780.00	11,319.00	7,906.19	118.89	98.44	-94.15	1,167.24	-4,273.94	2,020.09	1,808.03	212.06	9.526		
12,200.00	7,780.00	11,383.06	7,907.27	121.29	100.10	-94.18	1,169.22	-4,337.96	2,018.62	1,802.92	215.70	9.358		
12,200.37	7,780.00	11,383.24	7,907.27	121.30	100.11	-94.18	1,169.22	-4,338.13	2,018.62	1,802.91	215.71	9.358		
12,300.00	7,780.00	11,450.17	7,908.02	123.71	101.84	-94.20	1,169.21	-4,405.06	2,019.73	1,800.31	219.42	9.205		
12,400.00	7,780.00	11,508.00	7,909.02	126.14	103.34	-94.22	1,169.04	-4,462.88	2,021.78	1,799.10	222.68	9.079		
12,500.00	7,780.00	11,574.52	7,910.33	128.58	105.06	-94.26	1,167.61	-4,529.37	2,025.60	1,799.34	226.26	8.953		
12,600.00	7,780.00	11,684.05	7,912.21	131.03	107.89	-94.30	1,162.49	-4,638.76	2,031.63	1,799.77	231.86	8.762		
12,700.00	7,780.00	11,789.60	7,913.55	133.49	110.62	-94.32	1,158.96	-4,744.24	2,036.23	1,798.95	237.28	8.581		
12,800.00	7,780.00	11,830.11	7,913.86	135.97	111.67	-94.33	1,157.02	-4,784.70	2,042.27	1,802.70	239.57	8.525		
12,900.00	7,780.00	11,885.00	7,914.34	138.45	113.08	-94.33	1,152.45	-4,839.40	2,051.38	1,808.95	242.43	8.462		
13,000.00	7,780.00	11,924.23	7,914.68	140.94	114.09	-94.33	1,148.18	-4,878.39	2,062.89	1,818.55	244.34	8.443		
13,100.00	7,780.00	12,070.75	7,915.88	143.44	117.84	-94.32	1,131.48	-5,023.95	2,076.02	1,824.01	252.01	8.238		
13,200.00	7,780.00	12,415.13	7,918.77	145.95	126.83	-94.38	1,122.68	-5,367.89	2,078.17	1,809.61	268.56	7.738		
13,300.00	7,780.00	12,680.14	7,921.28	148.47	133.80	-94.47	1,138.21	-5,632.33	2,074.87	1,795.28	279.59	7.421		
13,400.00	7,780.00	12,827.82	7,922.74	150.99	137.69	-94.55	1,155.92	-5,778.93	2,064.06	1,777.87	286.19	7.212		
13,500.00	7,780.00	12,886.10	7,923.30	153.52	139.22	-94.58	1,162.89	-5,836.78	2,053.38	1,763.16	290.22	7.075		
13,600.00	7,780.00	12,923.00	7,923.65	156.06	140.19	-94.60	1,166.70	-5,873.49	2,044.89	1,751.43	293.46	6.968		
13,700.00	7,780.00	12,982.85	7,924.25	158.60	141.77	-94.62	1,171.38	-5,933.15	2,038.70	1,741.40	297.30	6.857		
13,800.00	7,780.00	13,017.00	7,924.61	161.14	142.68	-94.63	1,173.05	-5,967.26	2,035.45	1,735.44	300.02	6.784		
13,859.41	7,780.00	13,044.99	7,924.87	162.66	143.41	-94.64	1,173.74	-5,995.23	2,034.90	1,733.08	301.82	6.742		
13,900.00	7,780.00	13,058.91	7,924.97	163.70	143.78	-94.64	1,173.81	-6,009.16	2,035.21	1,732.42	302.79	6.722		
14,000.00	7,780.00	13,112.00	7,925.13	166.25	145.18	-94.64	1,172.37	-6,062.22	2,038.48	1,732.61	305.87	6.665		
14,100.00	7,780.00	13,144.14	7,925.15	168.81	146.02	-94.64	1,170.58	-6,094.31	2,044.28	1,736.56	307.72	6.643		
14,200.00	7,780.00	13,206.00	7,925.31	171.38	147.64	-94.63	1,166.59	-6,156.04	2,052.03	1,741.11	310.92	6.600		
14,300.00	7,780.00	13,278.43	7,925.48	173.95	149.53	-94.62	1,160.77	-6,228.23	2,061.31	1,746.69	314.62	6.552		
14,400.00	7,780.00	13,354.28	7,925.50	176.53	151.51	-94.61	1,153.38	-6,303.72	2,072.16	1,753.68	318.48	6.506		
14,500.00	7,780.00	13,736.75	7,926.11	179.10	161.60	-94.60	1,147.68	-6,685.62	2,069.61	1,732.14	337.47	6.133		
14,600.00	7,780.00	13,826.62	7,926.32	181.69	163.99	-94.61	1,150.24	-6,775.46	2,067.93	1,725.57	342.36	6.040		
14,700.00	7,780.00	13,968.40	7,926.51	184.27	167.76	-94.62	1,155.79	-6,917.13	2,065.24	1,716.03	349.22	5.914		
14,800.00	7,780.00	14,017.46	7,926.56	186.86	169.07	-94.63	1,157.55	-6,966.15	2,062.76	1,710.19	352.56	5.851		
14,866.60	7,780.00	14,056.00	7,926.58	188.59	170.09	-94.63	1,158.21	-7,004.68	2,062.36	1,707.43	354.93	5.811		
14,900.00	7,780.00	14,072.35	7,926.58	189.45	170.53	-94.63	1,158.31	-7,021.03	2,062.52	1,706.55	355.96	5.794		
15,000.00	7,780.00	14,131.60	7,926.64	192.05	172.10	-94.63	1,157.93	-7,080.28	2,064.33	1,704.93	359.41	5.744		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

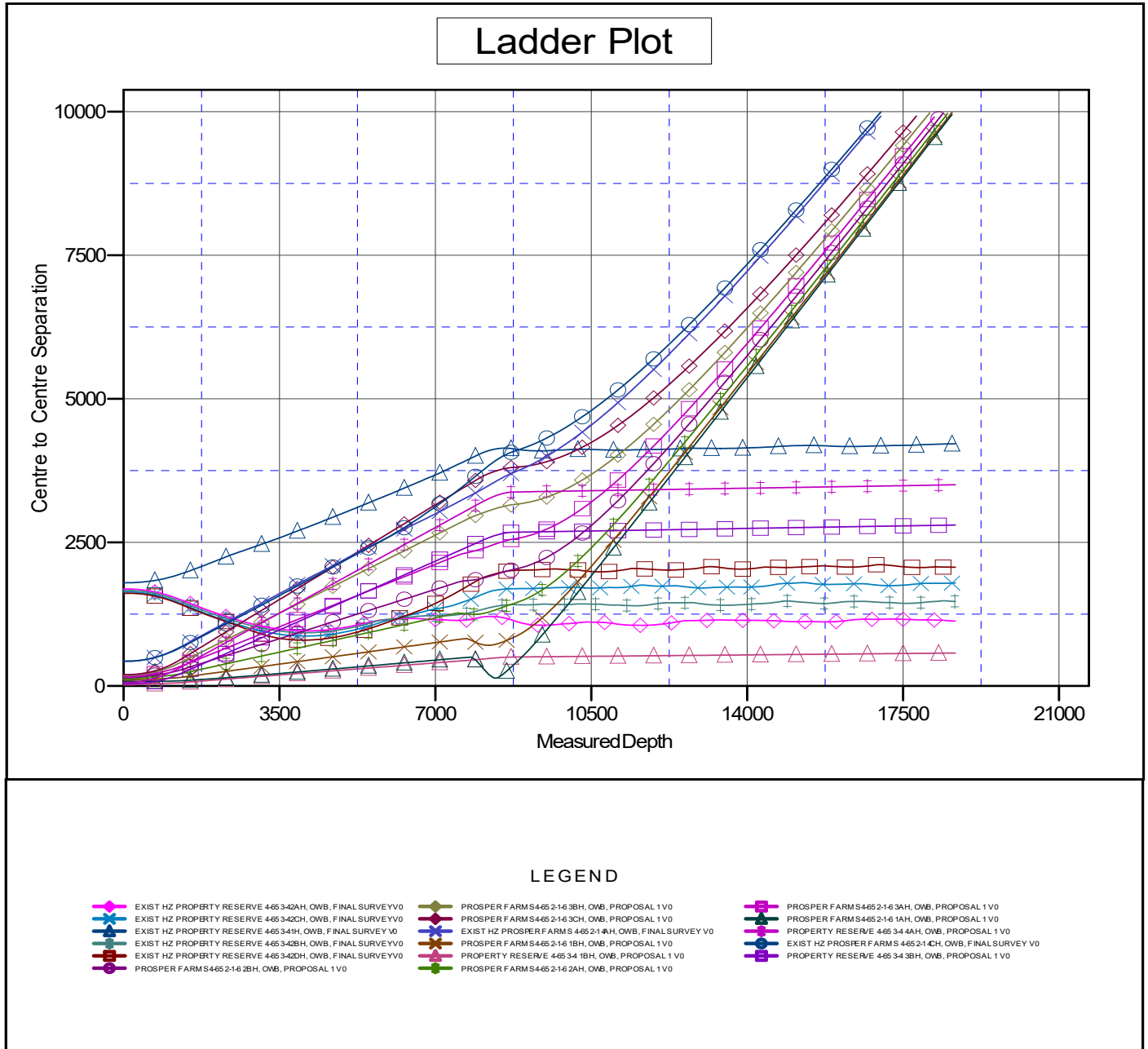
Offset Design SEC 3-T4S-R65W - EXIST HZ PROPERTY RESERVE 4-65 3-4 2DH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	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		
15,100.00	7,780.00	14,206.57	7,926.80	194.65	174.09	-94.63	1,156.14	-7,155.23	2,067.86	1,704.37	363.49	5.689		
15,200.00	7,780.00	14,297.77	7,927.01	197.25	176.50	-94.62	1,153.27	-7,246.39	2,072.18	1,703.83	368.35	5.626		
15,300.00	7,780.00	14,426.85	7,927.20	199.85	179.93	-94.62	1,149.67	-7,375.41	2,076.21	1,701.17	375.04	5.536		
15,400.00	7,780.00	14,510.22	7,927.35	202.46	182.14	-94.61	1,147.88	-7,458.76	2,079.56	1,700.02	379.54	5.479		
15,500.00	7,780.00	14,584.95	7,927.43	205.07	184.12	-94.61	1,145.47	-7,533.46	2,083.96	1,700.38	383.58	5.433		
15,600.00	7,780.00	14,677.98	7,927.54	207.68	186.59	-94.60	1,141.48	-7,626.39	2,089.40	1,700.88	388.51	5.378		
15,700.00	7,780.00	15,031.73	7,927.91	210.29	196.00	-94.61	1,143.49	-7,979.80	2,093.36	1,689.29	404.06	5.181		
15,800.00	7,780.00	15,095.00	7,928.03	212.91	197.69	-94.62	1,147.84	-8,042.92	2,087.61	1,679.37	408.23	5.114		
15,900.00	7,780.00	15,154.35	7,928.15	215.53	199.27	-94.63	1,150.83	-8,102.19	2,083.69	1,671.55	412.14	5.056		
16,000.00	7,780.00	16,000.00	7,928.24	218.15	221.88	-94.64	1,156.01	-8,215.42	2,080.31	1,642.76	437.55	4.754		
16,100.00	7,780.00	15,372.30	7,928.33	220.77	205.10	-94.65	1,161.93	-8,319.85	2,075.82	1,652.42	423.41	4.903		
16,200.00	7,780.00	15,447.71	7,928.27	223.39	207.11	-94.65	1,165.34	-8,395.18	2,072.47	1,644.63	427.85	4.844		
16,300.00	7,780.00	15,504.89	7,928.11	226.02	208.64	-94.65	1,167.13	-8,452.33	2,070.61	1,639.11	431.50	4.799		
16,327.70	7,780.00	15,518.34	7,928.08	226.75	209.00	-94.65	1,167.33	-8,465.78	2,070.52	1,638.13	432.38	4.789		
16,400.00	7,780.00	15,567.00	7,928.04	228.65	210.30	-94.65	1,167.30	-8,514.44	2,071.26	1,636.06	435.20	4.759		
16,500.00	7,780.00	15,594.73	7,928.05	231.28	211.03	-94.65	1,166.63	-8,542.17	2,074.33	1,637.29	437.04	4.746		
16,600.00	7,780.00	15,633.14	7,928.09	233.91	212.05	-94.64	1,164.74	-8,580.52	2,080.43	1,641.44	438.99	4.739		
16,700.00	7,780.00	15,684.84	7,928.18	236.54	213.42	-94.63	1,160.59	-8,632.05	2,089.38	1,647.98	441.41	4.733		
16,800.00	7,780.00	15,771.98	7,928.22	239.17	215.71	-94.62	1,152.75	-8,718.84	2,099.53	1,653.62	445.91	4.708		
16,900.00	7,780.00	15,850.00	7,928.70	241.81	217.76	-94.61	1,145.27	-8,796.50	2,110.34	1,660.54	449.80	4.692		
17,000.00	7,780.00	16,311.30	7,930.38	244.44	230.00	-94.62	1,136.44	-9,256.29	2,114.05	1,641.83	472.22	4.477		
17,100.00	7,780.00	16,438.85	7,930.39	247.08	233.41	-94.64	1,145.99	-9,383.48	2,107.74	1,629.42	478.32	4.407		
17,200.00	7,780.00	16,544.80	7,930.31	249.72	236.25	-94.66	1,154.70	-9,489.07	2,100.70	1,616.91	483.79	4.342		
17,300.00	7,780.00	16,667.34	7,930.57	252.36	239.53	-94.68	1,165.41	-9,611.14	2,093.23	1,603.56	489.66	4.275		
17,400.00	7,780.00	16,772.91	7,931.02	255.00	242.35	-94.72	1,175.81	-9,716.20	2,084.60	1,589.49	495.10	4.210		
17,500.00	7,780.00	16,846.23	7,931.93	257.65	244.31	-94.76	1,182.68	-9,789.19	2,076.57	1,576.79	499.78	4.155		
17,600.00	7,780.00	16,910.88	7,932.77	260.29	246.05	-94.79	1,187.72	-9,853.64	2,070.09	1,565.97	504.13	4.106		
17,700.00	7,780.00	16,984.00	7,933.71	262.94	248.01	-94.82	1,191.91	-9,926.63	2,065.53	1,556.91	508.62	4.061		
17,800.00	7,780.00	17,024.23	7,934.21	265.58	249.09	-94.84	1,193.36	-9,966.83	2,062.89	1,551.07	511.81	4.031		
17,859.33	7,780.00	17,054.61	7,934.55	267.15	249.90	-94.85	1,193.96	-9,997.20	2,062.47	1,548.68	513.79	4.014		
17,900.00	7,780.00	17,078.00	7,934.80	268.23	250.53	-94.86	1,194.13	-10,020.59	2,062.67	1,547.46	515.21	4.004		
18,000.00	7,780.00	17,132.05	7,935.35	270.88	251.97	-94.87	1,193.69	-10,074.63	2,064.69	1,546.33	518.36	3.983		
18,100.00	7,780.00	17,206.27	7,936.16	273.53	253.95	-94.88	1,191.59	-10,148.81	2,068.67	1,546.32	522.35	3.960		
18,200.00	7,780.00	17,322.34	7,937.60	276.18	257.05	-94.91	1,188.51	-10,264.84	2,072.59	1,544.10	528.50	3.922		
18,300.00	7,780.00	17,511.25	7,939.80	278.83	262.11	-94.97	1,188.26	-10,453.71	2,074.01	1,536.15	537.86	3.856		
18,400.00	7,780.00	17,642.25	7,941.29	281.48	265.62	-95.01	1,191.99	-10,584.65	2,072.43	1,528.06	544.37	3.807		
18,500.00	7,780.00	17,735.97	7,942.35	284.13	268.14	-95.05	1,195.17	-10,678.31	2,070.32	1,520.87	549.46	3.768		
18,600.00	7,780.00	17,821.20	7,943.36	286.79	270.43	-95.08	1,197.63	-10,763.50	2,068.72	1,514.51	554.21	3.733		
18,659.41	7,780.00	17,855.00	7,943.78	288.39	271.33	-95.09	1,198.46	-10,797.29	2,068.17	1,511.85	556.32	3.718		
18,674.95	7,780.00	17,855.00	7,943.78	288.81	271.33	-95.09	1,198.46	-10,797.29	2,068.23	1,511.75	556.47	3.717 SF		

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<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' @ 5656.81usft  
Offset Depths are relative to Offset Datum  
Central Meridian is 105.500000°W

Coordinates are relative to: PROPERTY RESERVE 4-65 3-4 1AH  
Coordinate System is US State Plane 1983, Colorado Central Zone  
Grid Convergence at Surface is: 0.54°



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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROPERTY RESERVE 4-65 3-4 1AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.81usft
<b>Reference Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.81usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROPERTY RESERVE 4-65 3-4 1AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<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' @ 5656.81usft

Offset Depths are relative to Offset Datum

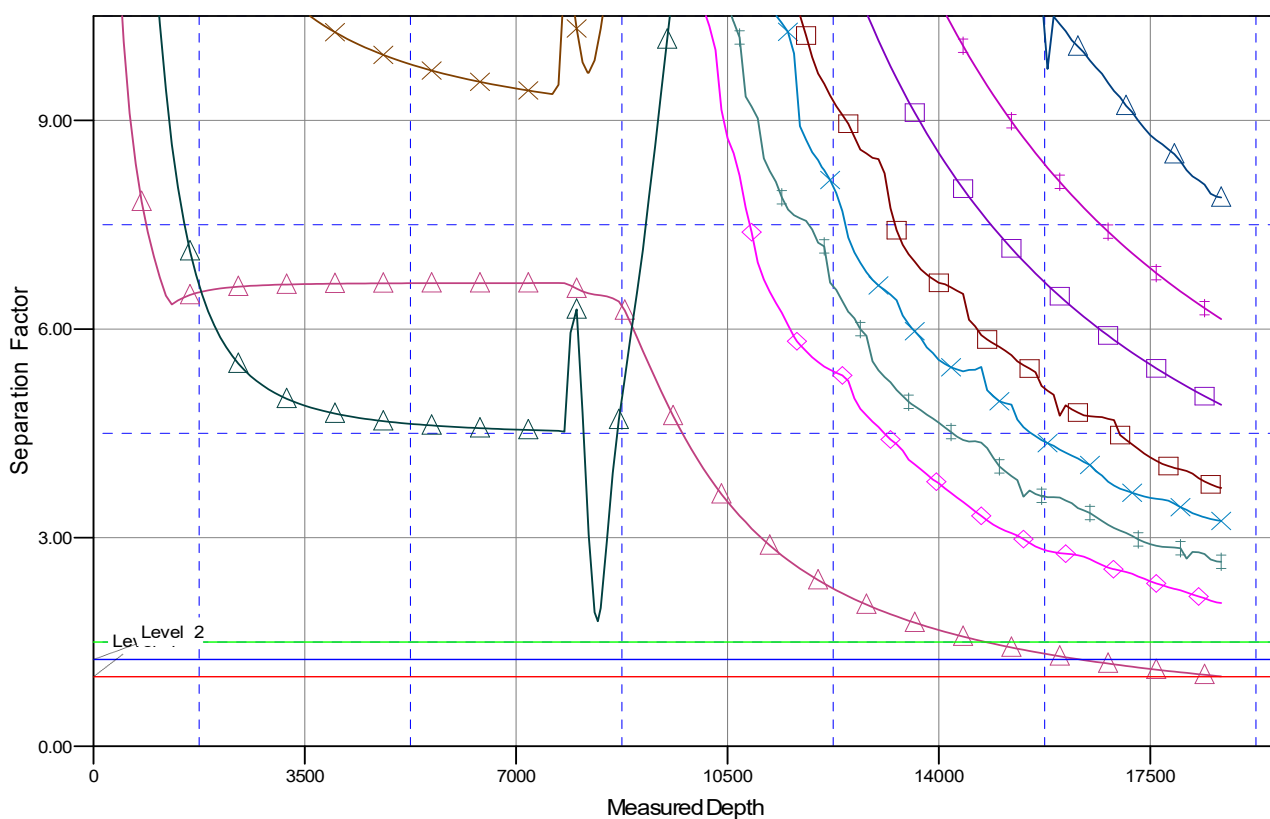
Central Meridian is 105.500000°W

Coordinates are relative to: PROPERTY RESERVE 4-65 3-4 1AH

Coordinate System is US State Plane 1983, Colorado Central Zone

Grid Convergence at Surface is: 0.54°

## Separation Factor Plot



### LEGEND

EXIST HZ PROPERTY RESERVE 465 340AH, OWB, FINAL SURVEY V0	PROSPER FARM S465 216 3BH, OWB, PROPOSAL 1 V0	PROSPER FARM S465 216 3AH, OWB, PROPOSAL 1 V0
EXIST HZ PROPERTY RESERVE 465 342CH, OWB, FINAL SURVEY V0	PROSPER FARM S465 216 3CH, OWB, PROPOSAL 1 V0	PROSPER FARM S465 216 1AH, OWB, PROPOSAL 1 V0
EXIST HZ PROPERTY RESERVE 465 341H, OWB, FINAL SURVEY V0	EXIST HZ PROPERTY RESERVE 465 216 1AH, OWB, FINAL SURVEY V0	PROPERTY RESERVE 465 34 4AH, OWB, PROPOSAL 1 V0
EXIST HZ PROPERTY RESERVE 465 342BH, OWB, FINAL SURVEY V0	PROSPER FARM S465 216 1BH, OWB, PROPOSAL 1 V0	EXIST HZ PROPERTY RESERVE 465 216 1CH, OWB, FINAL SURVEY V0
EXIST HZ PROPERTY RESERVE 465 342DH, OWB, FINAL SURVEY V0	PROPERTY RESERVE 465 34 1BH, OWB, PROPOSAL 1 V0	PROPERTY RESERVE 465 34 3BH, OWB, PROPOSAL 1 V0
PROSPER FARM S465 216 2BH, OWB, PROPOSAL 1 V0	PROSPER FARM S465 216 2AH, OWB, PROPOSAL 1 V0	