

CRESTONE PEAK RESOURCES

ARAPAHOE COUNTY

SEC 15-T4S-R65W

PROSPER FARMS 4-65 14-13 3BH

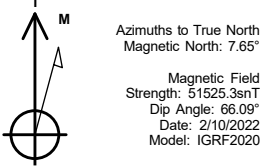
OWB

Plan: PROPOSAL 1

Standard Planning Report

11 February, 2022

Project: ARAPAHOE COUNTY
Site: SEC 15-T4S-R65W
Well: PROSPER FARMS 4-65 14-13 3BH
Wellbore: OWB
Design: PROPOSAL 1



WELL DETAILS: PROSPER FARMS 4-65 14-13 3BH

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	1683305.14	3241110.14	39.706352°N	104.643033°W	

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	250.00	0.00	0.00	250.00	0.00	0.00	0.00	0.00	0.00	
3	1026.71	15.53	168.93	1017.23	-102.70	20.08	2.00	168.93	39.37	
4	7679.74	15.53	168.93	7427.23	-1851.36	362.05	0.00	0.00	709.62	
5	8548.56	90.00	90.65	7950.00	-2000.17	932.50	10.00	-78.70	1298.00	LP-PF4-65
6	18456.97	90.00	90.65	7950.00	-2113.36	10840.27	0.00	0.00	11044.35	PBHL-PF4-

ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect	Departure	Annotation
250.00	0.00	0.00	250.00	0.00	0.00	0.00	0.00	Start Build 2.00
1026.71	15.53	168.93	1017.23	-102.70	20.08	39.37	104.65	Start 6653.03 hold at 1026.71 MD
7679.74	15.53	168.93	7427.23	-1851.36	362.05	709.62	1886.43	Start DLS 10.00 TFO -78.70
8548.56	90.00	90.65	7950.00	-2000.17	932.50	1298.00	2496.16	Start 9908.42 hold at 8548.56 MD
18456.97	90.00	90.65	7950.00	-2113.36	10840.27	11044.35	12404.58	TD at 18456.97

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape Point
LP-PF4-65 3BH	7950.00	-2000.17	932.50	1681313.87	3242061.45	39.700861°N	104.639719°W	Point
PBHL-PF4-65 3BH	7950.00	-2113.36	10840.27	1681294.14	3251969.77	39.700544°N	104.604508°W	Point
- plan hits target center								

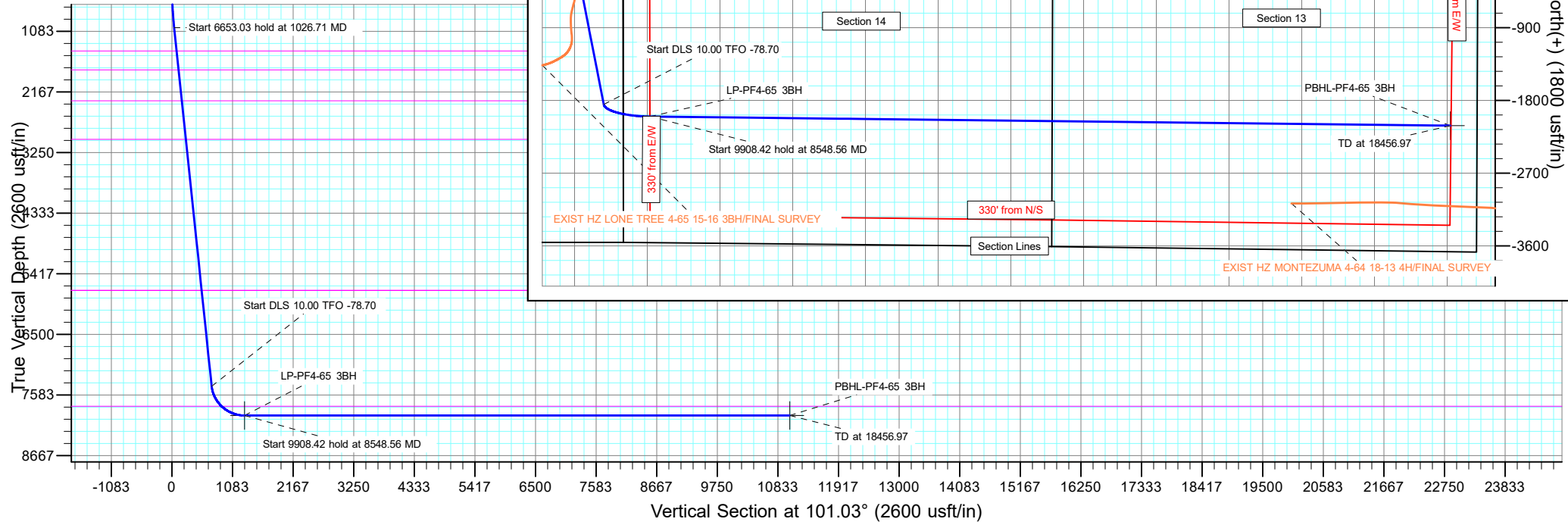
PROJECT DETAILS: ARAPAHOE COUNTY

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Colorado Central Zone
System Datum: Mean Sea Level

SHL:
1744' FNL, 600' FEL
Sec 15-T4S-R65W

LP:
1560' FSL, 330' FWL
Sec 14-T4S-R65W

BHL:
1560' FSL, 330' FEL
Sec 13-T4S-R65W



Planning Report

Database:	EDT_32Bit_ODBC	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Company:	CRESTONE PEAK RESOURCES	TVD Reference:	KB 25' @ 5718.40usft
Project:	ARAPAHOE COUNTY	MD Reference:	KB 25' @ 5718.40usft
Site:	SEC 15-T4S-R65W	North Reference:	True
Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PROPOSAL 1		

Project	ARAPAHOE COUNTY		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Central Zone		Using geodetic scale factor

Site	SEC 15-T4S-R65W			
Site Position:		Northing:	1,685,061.36 usft	Latitude: 39.711158°N
From:	Lat/Long	Easting:	3,241,690.88 usft	Longitude: 104.640910°W
Position Uncertainty:	0.00 usft	Slot Radius:	13.200 in	Grid Convergence: 0.54 °

Well	PROSPER FARMS 4-65 14-13 3BH			
Well Position	+N/-S	-1,750.67 usft	Northing:	1,683,305.13 usft
	+E/-W	-597.33 usft	Easting:	3,241,110.14 usft
Position Uncertainty		0.00 usft	Wellhead Elevation:	
			Ground Level:	5,693.40 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	2/10/2022	7.65	66.09	51,525.27875416

Design	PROPOSAL 1			
Audit Notes:				
Version:		Phase:	PROTOTYPE	Tie On Depth: 0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	101.03

Plan Survey Tool Program	Date	2/11/2022		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	18,456.97	PROPOSAL 1 (OWB)	MWD OWSG
				OWSG MWD - Standard

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
250.00	0.00	0.00	250.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,026.71	15.53	168.93	1,017.23	-102.70	20.08	2.00	2.00	0.00	168.93	
7,679.74	15.53	168.93	7,427.23	-1,851.36	362.05	0.00	0.00	0.00	0.00	
8,548.56	90.00	90.65	7,950.00	-2,000.17	932.50	10.00	8.57	-9.01	-78.70	LP-PF4-65 3BH
18,456.97	90.00	90.65	7,950.00	-2,113.36	10,840.27	0.00	0.00	0.00	0.00	PBHL-PF4-65 3BH

Planning Report

Database:	EDT_32Bit_ODBC	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Company:	CRESTONE PEAK RESOURCES	TVD Reference:	KB 25' @ 5718.40usft
Project:	ARAPAHOE COUNTY	MD Reference:	KB 25' @ 5718.40usft
Site:	SEC 15-T4S-R65W	North Reference:	True
Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PROPOSAL 1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
250.00	0.00	0.00	250.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 2.00									
300.00	1.00	168.93	300.00	-0.43	0.08	0.16	2.00	2.00	0.00
400.00	3.00	168.93	399.93	-3.85	0.75	1.48	2.00	2.00	0.00
500.00	5.00	168.93	499.68	-10.70	2.09	4.10	2.00	2.00	0.00
600.00	7.00	168.93	599.13	-20.96	4.10	8.03	2.00	2.00	0.00
700.00	9.00	168.93	698.15	-34.61	6.77	13.27	2.00	2.00	0.00
800.00	11.00	168.93	796.63	-51.66	10.10	19.80	2.00	2.00	0.00
900.00	13.00	168.93	894.44	-72.06	14.09	27.62	2.00	2.00	0.00
1,000.00	15.00	168.93	991.46	-95.80	18.73	36.72	2.00	2.00	0.00
1,026.71	15.53	168.93	1,017.23	-102.70	20.08	39.37	2.00	2.00	0.00
Start 6653.03 hold at 1026.71 MD									
1,100.00	15.53	168.93	1,087.84	-121.97	23.85	46.75	0.00	0.00	0.00
1,200.00	15.53	168.93	1,184.19	-148.25	28.99	56.82	0.00	0.00	0.00
1,300.00	15.53	168.93	1,280.54	-174.53	34.13	66.90	0.00	0.00	0.00
1,400.00	15.53	168.93	1,376.88	-200.82	39.27	76.97	0.00	0.00	0.00
1,459.28	15.53	168.93	1,434.00	-216.40	42.32	82.95	0.00	0.00	0.00
Laramie									
1,500.00	15.53	168.93	1,473.23	-227.10	44.41	87.05	0.00	0.00	0.00
1,600.00	15.53	168.93	1,569.58	-253.38	49.55	97.12	0.00	0.00	0.00
1,700.00	15.53	168.93	1,665.92	-279.67	54.69	107.20	0.00	0.00	0.00
1,800.00	15.53	168.93	1,762.27	-305.95	59.83	117.27	0.00	0.00	0.00
1,810.10	15.53	168.93	1,772.00	-308.61	60.35	118.29	0.00	0.00	0.00
Fox Hills									
1,900.00	15.53	168.93	1,858.62	-332.24	64.97	127.35	0.00	0.00	0.00
2,000.00	15.53	168.93	1,954.97	-358.52	70.11	137.42	0.00	0.00	0.00
2,100.00	15.53	168.93	2,051.31	-384.80	75.25	147.49	0.00	0.00	0.00
2,200.00	15.53	168.93	2,147.66	-411.09	80.39	157.57	0.00	0.00	0.00
2,300.00	15.53	168.93	2,244.01	-437.37	85.53	167.64	0.00	0.00	0.00
2,384.06	15.53	168.93	2,325.00	-459.46	89.85	176.11	0.00	0.00	0.00
Upper Pierre aquifer									
2,400.00	15.53	168.93	2,340.35	-463.65	90.67	177.72	0.00	0.00	0.00
2,500.00	15.53	168.93	2,436.70	-489.94	95.81	187.79	0.00	0.00	0.00
2,600.00	15.53	168.93	2,533.05	-516.22	100.95	197.87	0.00	0.00	0.00
2,700.00	15.53	168.93	2,629.39	-542.50	106.09	207.94	0.00	0.00	0.00
2,800.00	15.53	168.93	2,725.74	-568.79	111.23	218.02	0.00	0.00	0.00
2,900.00	15.53	168.93	2,822.09	-595.07	116.37	228.09	0.00	0.00	0.00
3,000.00	15.53	168.93	2,918.44	-621.35	121.51	238.16	0.00	0.00	0.00
3,098.15	15.53	168.93	3,013.00	-647.15	126.56	248.05	0.00	0.00	0.00
Base of Upper Pierre aquifer									
3,100.00	15.53	168.93	3,014.78	-647.64	126.65	248.24	0.00	0.00	0.00
3,200.00	15.53	168.93	3,111.13	-673.92	131.79	258.31	0.00	0.00	0.00
3,300.00	15.53	168.93	3,207.48	-700.21	136.93	268.39	0.00	0.00	0.00
3,400.00	15.53	168.93	3,303.82	-726.49	142.07	278.46	0.00	0.00	0.00
3,500.00	15.53	168.93	3,400.17	-752.77	147.21	288.54	0.00	0.00	0.00
3,600.00	15.53	168.93	3,496.52	-779.06	152.35	298.61	0.00	0.00	0.00
3,700.00	15.53	168.93	3,592.87	-805.34	157.49	308.69	0.00	0.00	0.00
3,800.00	15.53	168.93	3,689.21	-831.62	162.63	318.76	0.00	0.00	0.00
3,900.00	15.53	168.93	3,785.56	-857.91	167.77	328.83	0.00	0.00	0.00
4,000.00	15.53	168.93	3,881.91	-884.19	172.91	338.91	0.00	0.00	0.00

Planning Report

Database:	EDT_32Bit_ODBC	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Company:	CRESTONE PEAK RESOURCES	TVD Reference:	KB 25' @ 5718.40usft
Project:	ARAPAHOE COUNTY	MD Reference:	KB 25' @ 5718.40usft
Site:	SEC 15-T4S-R65W	North Reference:	True
Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PROPOSAL 1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,100.00	15.53	168.93	3,978.25	-910.47	178.05	348.98	0.00	0.00	0.00
4,200.00	15.53	168.93	4,074.60	-936.76	183.19	359.06	0.00	0.00	0.00
4,300.00	15.53	168.93	4,170.95	-963.04	188.33	369.13	0.00	0.00	0.00
4,400.00	15.53	168.93	4,267.29	-989.33	193.47	379.21	0.00	0.00	0.00
4,500.00	15.53	168.93	4,363.64	-1,015.61	198.61	389.28	0.00	0.00	0.00
4,600.00	15.53	168.93	4,459.99	-1,041.89	203.75	399.36	0.00	0.00	0.00
4,700.00	15.53	168.93	4,556.34	-1,068.18	208.89	409.43	0.00	0.00	0.00
4,800.00	15.53	168.93	4,652.68	-1,094.46	214.03	419.51	0.00	0.00	0.00
4,900.00	15.53	168.93	4,749.03	-1,120.74	219.17	429.58	0.00	0.00	0.00
5,000.00	15.53	168.93	4,845.38	-1,147.03	224.31	439.65	0.00	0.00	0.00
5,100.00	15.53	168.93	4,941.72	-1,173.31	229.45	449.73	0.00	0.00	0.00
5,200.00	15.53	168.93	5,038.07	-1,199.59	234.59	459.80	0.00	0.00	0.00
5,300.00	15.53	168.93	5,134.42	-1,225.88	239.73	469.88	0.00	0.00	0.00
5,400.00	15.53	168.93	5,230.76	-1,252.16	244.87	479.95	0.00	0.00	0.00
5,500.00	15.53	168.93	5,327.11	-1,278.44	250.01	490.03	0.00	0.00	0.00
5,600.00	15.53	168.93	5,423.46	-1,304.73	255.15	500.10	0.00	0.00	0.00
5,700.00	15.53	168.93	5,519.81	-1,331.01	260.29	510.18	0.00	0.00	0.00
5,800.00	15.53	168.93	5,616.15	-1,357.30	265.43	520.25	0.00	0.00	0.00
5,900.00	15.53	168.93	5,712.50	-1,383.58	270.57	530.32	0.00	0.00	0.00
5,903.63	15.53	168.93	5,716.00	-1,384.53	270.76	530.69	0.00	0.00	0.00
Terry ("Sussex") - Hygiene ("Shannon") - Mitten - Mitten Marker 1 - Teepee Buttes - Mitten Marker 2 - Sharon Springs									
6,000.00	15.53	168.93	5,808.85	-1,409.86	275.71	540.40	0.00	0.00	0.00
6,100.00	15.53	168.93	5,905.19	-1,436.15	280.85	550.47	0.00	0.00	0.00
6,200.00	15.53	168.93	6,001.54	-1,462.43	285.99	560.55	0.00	0.00	0.00
6,300.00	15.53	168.93	6,097.89	-1,488.71	291.13	570.62	0.00	0.00	0.00
6,400.00	15.53	168.93	6,194.24	-1,515.00	296.27	580.70	0.00	0.00	0.00
6,500.00	15.53	168.93	6,290.58	-1,541.28	301.41	590.77	0.00	0.00	0.00
6,600.00	15.53	168.93	6,386.93	-1,567.56	306.55	600.85	0.00	0.00	0.00
6,700.00	15.53	168.93	6,483.28	-1,593.85	311.69	610.92	0.00	0.00	0.00
6,800.00	15.53	168.93	6,579.62	-1,620.13	316.83	620.99	0.00	0.00	0.00
6,900.00	15.53	168.93	6,675.97	-1,646.42	321.97	631.07	0.00	0.00	0.00
7,000.00	15.53	168.93	6,772.32	-1,672.70	327.11	641.14	0.00	0.00	0.00
7,100.00	15.53	168.93	6,868.66	-1,698.98	332.25	651.22	0.00	0.00	0.00
7,200.00	15.53	168.93	6,965.01	-1,725.27	337.39	661.29	0.00	0.00	0.00
7,300.00	15.53	168.93	7,061.36	-1,751.55	342.53	671.37	0.00	0.00	0.00
7,400.00	15.53	168.93	7,157.71	-1,777.83	347.67	681.44	0.00	0.00	0.00
7,500.00	15.53	168.93	7,254.05	-1,804.12	352.81	691.52	0.00	0.00	0.00
7,600.00	15.53	168.93	7,350.40	-1,830.40	357.95	701.59	0.00	0.00	0.00
7,679.74	15.53	168.93	7,427.23	-1,851.36	362.05	709.62	0.00	0.00	0.00
Start DLS 10.00 TFO -78.70									
7,700.00	16.05	161.73	7,446.72	-1,856.68	363.45	712.02	10.00	2.55	-35.55
7,750.00	18.23	146.39	7,494.53	-1,869.77	369.95	720.90	10.00	4.35	-30.69
7,800.00	21.35	134.79	7,541.59	-1,882.70	380.75	733.97	10.00	6.24	-23.19
7,850.00	25.06	126.25	7,587.55	-1,895.38	395.75	751.12	10.00	7.42	-17.07
7,900.00	29.14	119.88	7,632.06	-1,907.72	414.86	772.24	10.00	8.15	-12.75
7,950.00	33.45	114.99	7,674.78	-1,919.61	437.91	797.14	10.00	8.62	-9.79
8,000.00	37.91	111.11	7,715.39	-1,930.97	464.75	825.66	10.00	8.92	-7.75
8,050.00	42.47	107.95	7,753.58	-1,941.71	495.16	857.56	10.00	9.13	-6.33
8,094.07	46.56	105.59	7,785.00	-1,950.60	524.73	888.29	10.00	9.27	-5.35
Niobrara									
8,100.00	47.11	105.30	7,789.06	-1,951.75	528.90	892.60	10.00	9.33	-4.94
8,150.00	51.80	103.02	7,821.55	-1,961.02	565.74	930.53	10.00	9.38	-4.56
8,200.00	56.53	101.02	7,850.82	-1,969.44	605.38	971.05	10.00	9.46	-4.00

Planning Report

Database:	EDT_32Bit_ODBC	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Company:	CRESTONE PEAK RESOURCES	TVD Reference:	KB 25' @ 5718.40usft
Project:	ARAPAHOE COUNTY	MD Reference:	KB 25' @ 5718.40usft
Site:	SEC 15-T4S-R65W	North Reference:	True
Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PROPOSAL 1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
8,250.00	61.29	99.23	7,876.63	-1,976.94	647.52	1,013.84	10.00	9.52	-3.59
8,300.00	66.07	97.59	7,898.79	-1,983.48	691.84	1,058.60	10.00	9.56	-3.27
8,350.00	70.87	96.07	7,917.13	-1,989.00	738.01	1,104.97	10.00	9.59	-3.04
8,400.00	75.68	94.64	7,931.52	-1,993.46	785.67	1,152.60	10.00	9.62	-2.87
8,450.00	80.49	93.27	7,941.84	-1,996.83	834.46	1,201.14	10.00	9.63	-2.74
8,500.00	85.32	91.93	7,948.02	-1,999.08	884.01	1,250.20	10.00	9.64	-2.67
8,548.56	90.00	90.65	7,950.00	-2,000.17	932.50	1,298.00	10.00	9.65	-2.63
Start 9908.42 hold at 8548.56 MD									
8,600.00	90.00	90.65	7,950.00	-2,000.76	983.94	1,348.61	0.00	0.00	0.00
8,700.00	90.00	90.65	7,950.00	-2,001.90	1,083.93	1,446.97	0.00	0.00	0.00
8,800.00	90.00	90.65	7,950.00	-2,003.04	1,183.93	1,545.33	0.00	0.00	0.00
8,900.00	90.00	90.65	7,950.00	-2,004.19	1,283.92	1,643.70	0.00	0.00	0.00
9,000.00	90.00	90.65	7,950.00	-2,005.33	1,383.91	1,742.06	0.00	0.00	0.00
9,100.00	90.00	90.65	7,950.00	-2,006.47	1,483.91	1,840.43	0.00	0.00	0.00
9,200.00	90.00	90.65	7,950.00	-2,007.61	1,583.90	1,938.79	0.00	0.00	0.00
9,300.00	90.00	90.65	7,950.00	-2,008.75	1,683.89	2,037.16	0.00	0.00	0.00
9,400.00	90.00	90.65	7,950.00	-2,009.90	1,783.89	2,135.52	0.00	0.00	0.00
9,500.00	90.00	90.65	7,950.00	-2,011.04	1,883.88	2,233.89	0.00	0.00	0.00
9,600.00	90.00	90.65	7,950.00	-2,012.18	1,983.87	2,332.25	0.00	0.00	0.00
9,700.00	90.00	90.65	7,950.00	-2,013.32	2,083.87	2,430.61	0.00	0.00	0.00
9,800.00	90.00	90.65	7,950.00	-2,014.47	2,183.86	2,528.98	0.00	0.00	0.00
9,900.00	90.00	90.65	7,950.00	-2,015.61	2,283.85	2,627.34	0.00	0.00	0.00
10,000.00	90.00	90.65	7,950.00	-2,016.75	2,383.85	2,725.71	0.00	0.00	0.00
10,100.00	90.00	90.65	7,950.00	-2,017.89	2,483.84	2,824.07	0.00	0.00	0.00
10,200.00	90.00	90.65	7,950.00	-2,019.04	2,583.83	2,922.44	0.00	0.00	0.00
10,300.00	90.00	90.65	7,950.00	-2,020.18	2,683.83	3,020.80	0.00	0.00	0.00
10,400.00	90.00	90.65	7,950.00	-2,021.32	2,783.82	3,119.16	0.00	0.00	0.00
10,500.00	90.00	90.65	7,950.00	-2,022.46	2,883.81	3,217.53	0.00	0.00	0.00
10,600.00	90.00	90.65	7,950.00	-2,023.61	2,983.81	3,315.89	0.00	0.00	0.00
10,700.00	90.00	90.65	7,950.00	-2,024.75	3,083.80	3,414.26	0.00	0.00	0.00
10,800.00	90.00	90.65	7,950.00	-2,025.89	3,183.79	3,512.62	0.00	0.00	0.00
10,900.00	90.00	90.65	7,950.00	-2,027.03	3,283.79	3,610.99	0.00	0.00	0.00
11,000.00	90.00	90.65	7,950.00	-2,028.17	3,383.78	3,709.35	0.00	0.00	0.00
11,100.00	90.00	90.65	7,950.00	-2,029.32	3,483.78	3,807.71	0.00	0.00	0.00
11,200.00	90.00	90.65	7,950.00	-2,030.46	3,583.77	3,906.08	0.00	0.00	0.00
11,300.00	90.00	90.65	7,950.00	-2,031.60	3,683.76	4,004.44	0.00	0.00	0.00
11,400.00	90.00	90.65	7,950.00	-2,032.74	3,783.76	4,102.81	0.00	0.00	0.00
11,500.00	90.00	90.65	7,950.00	-2,033.89	3,883.75	4,201.17	0.00	0.00	0.00
11,600.00	90.00	90.65	7,950.00	-2,035.03	3,983.74	4,299.54	0.00	0.00	0.00
11,700.00	90.00	90.65	7,950.00	-2,036.17	4,083.74	4,397.90	0.00	0.00	0.00
11,800.00	90.00	90.65	7,950.00	-2,037.31	4,183.73	4,496.26	0.00	0.00	0.00
11,900.00	90.00	90.65	7,950.00	-2,038.46	4,283.72	4,594.63	0.00	0.00	0.00
12,000.00	90.00	90.65	7,950.00	-2,039.60	4,383.72	4,692.99	0.00	0.00	0.00
12,100.00	90.00	90.65	7,950.00	-2,040.74	4,483.71	4,791.36	0.00	0.00	0.00
12,200.00	90.00	90.65	7,950.00	-2,041.88	4,583.70	4,889.72	0.00	0.00	0.00
12,300.00	90.00	90.65	7,950.00	-2,043.03	4,683.70	4,988.09	0.00	0.00	0.00
12,400.00	90.00	90.65	7,950.00	-2,044.17	4,783.69	5,086.45	0.00	0.00	0.00
12,500.00	90.00	90.65	7,950.00	-2,045.31	4,883.68	5,184.82	0.00	0.00	0.00
12,600.00	90.00	90.65	7,950.00	-2,046.45	4,983.68	5,283.18	0.00	0.00	0.00
12,700.00	90.00	90.65	7,950.00	-2,047.60	5,083.67	5,381.54	0.00	0.00	0.00
12,800.00	90.00	90.65	7,950.00	-2,048.74	5,183.66	5,479.91	0.00	0.00	0.00
12,900.00	90.00	90.65	7,950.00	-2,049.88	5,283.66	5,578.27	0.00	0.00	0.00
13,000.00	90.00	90.65	7,950.00	-2,051.02	5,383.65	5,676.64	0.00	0.00	0.00
13,100.00	90.00	90.65	7,950.00	-2,052.16	5,483.64	5,775.00	0.00	0.00	0.00

Planning Report

Database:	EDT_32Bit_ODBC	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Company:	CRESTONE PEAK RESOURCES	TVD Reference:	KB 25' @ 5718.40usft
Project:	ARAPAHOE COUNTY	MD Reference:	KB 25' @ 5718.40usft
Site:	SEC 15-T4S-R65W	North Reference:	True
Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PROPOSAL 1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
13,200.00	90.00	90.65	7,950.00	-2,053.31	5,583.64	5,873.37	0.00	0.00	0.00
13,300.00	90.00	90.65	7,950.00	-2,054.45	5,683.63	5,971.73	0.00	0.00	0.00
13,400.00	90.00	90.65	7,950.00	-2,055.59	5,783.63	6,070.09	0.00	0.00	0.00
13,500.00	90.00	90.65	7,950.00	-2,056.73	5,883.62	6,168.46	0.00	0.00	0.00
13,600.00	90.00	90.65	7,950.00	-2,057.88	5,983.61	6,266.82	0.00	0.00	0.00
13,700.00	90.00	90.65	7,950.00	-2,059.02	6,083.61	6,365.19	0.00	0.00	0.00
13,800.00	90.00	90.65	7,950.00	-2,060.16	6,183.60	6,463.55	0.00	0.00	0.00
13,900.00	90.00	90.65	7,950.00	-2,061.30	6,283.59	6,561.92	0.00	0.00	0.00
14,000.00	90.00	90.65	7,950.00	-2,062.45	6,383.59	6,660.28	0.00	0.00	0.00
14,100.00	90.00	90.65	7,950.00	-2,063.59	6,483.58	6,758.64	0.00	0.00	0.00
14,200.00	90.00	90.65	7,950.00	-2,064.73	6,583.57	6,857.01	0.00	0.00	0.00
14,300.00	90.00	90.65	7,950.00	-2,065.87	6,683.57	6,955.37	0.00	0.00	0.00
14,400.00	90.00	90.65	7,950.00	-2,067.02	6,783.56	7,053.74	0.00	0.00	0.00
14,500.00	90.00	90.65	7,950.00	-2,068.16	6,883.55	7,152.10	0.00	0.00	0.00
14,600.00	90.00	90.65	7,950.00	-2,069.30	6,983.55	7,250.47	0.00	0.00	0.00
14,700.00	90.00	90.65	7,950.00	-2,070.44	7,083.54	7,348.83	0.00	0.00	0.00
14,800.00	90.00	90.65	7,950.00	-2,071.59	7,183.53	7,447.19	0.00	0.00	0.00
14,900.00	90.00	90.65	7,950.00	-2,072.73	7,283.53	7,545.56	0.00	0.00	0.00
15,000.00	90.00	90.65	7,950.00	-2,073.87	7,383.52	7,643.92	0.00	0.00	0.00
15,100.00	90.00	90.65	7,950.00	-2,075.01	7,483.51	7,742.29	0.00	0.00	0.00
15,200.00	90.00	90.65	7,950.00	-2,076.15	7,583.51	7,840.65	0.00	0.00	0.00
15,300.00	90.00	90.65	7,950.00	-2,077.30	7,683.50	7,939.02	0.00	0.00	0.00
15,400.00	90.00	90.65	7,950.00	-2,078.44	7,783.49	8,037.38	0.00	0.00	0.00
15,500.00	90.00	90.65	7,950.00	-2,079.58	7,883.49	8,135.75	0.00	0.00	0.00
15,600.00	90.00	90.65	7,950.00	-2,080.72	7,983.48	8,234.11	0.00	0.00	0.00
15,700.00	90.00	90.65	7,950.00	-2,081.87	8,083.48	8,332.47	0.00	0.00	0.00
15,800.00	90.00	90.65	7,950.00	-2,083.01	8,183.47	8,430.84	0.00	0.00	0.00
15,900.00	90.00	90.65	7,950.00	-2,084.15	8,283.46	8,529.20	0.00	0.00	0.00
16,000.00	90.00	90.65	7,950.00	-2,085.29	8,383.46	8,627.57	0.00	0.00	0.00
16,100.00	90.00	90.65	7,950.00	-2,086.44	8,483.45	8,725.93	0.00	0.00	0.00
16,200.00	90.00	90.65	7,950.00	-2,087.58	8,583.44	8,824.30	0.00	0.00	0.00
16,300.00	90.00	90.65	7,950.00	-2,088.72	8,683.44	8,922.66	0.00	0.00	0.00
16,400.00	90.00	90.65	7,950.00	-2,089.86	8,783.43	9,021.02	0.00	0.00	0.00
16,500.00	90.00	90.65	7,950.00	-2,091.01	8,883.42	9,119.39	0.00	0.00	0.00
16,600.00	90.00	90.65	7,950.00	-2,092.15	8,983.42	9,217.75	0.00	0.00	0.00
16,700.00	90.00	90.65	7,950.00	-2,093.29	9,083.41	9,316.12	0.00	0.00	0.00
16,800.00	90.00	90.65	7,950.00	-2,094.43	9,183.40	9,414.48	0.00	0.00	0.00
16,900.00	90.00	90.65	7,950.00	-2,095.57	9,283.40	9,512.85	0.00	0.00	0.00
17,000.00	90.00	90.65	7,950.00	-2,096.72	9,383.39	9,611.21	0.00	0.00	0.00
17,100.00	90.00	90.65	7,950.00	-2,097.86	9,483.38	9,709.57	0.00	0.00	0.00
17,200.00	90.00	90.65	7,950.00	-2,099.00	9,583.38	9,807.94	0.00	0.00	0.00
17,300.00	90.00	90.65	7,950.00	-2,100.14	9,683.37	9,906.30	0.00	0.00	0.00
17,400.00	90.00	90.65	7,950.00	-2,101.29	9,783.36	10,004.67	0.00	0.00	0.00
17,500.00	90.00	90.65	7,950.00	-2,102.43	9,883.36	10,103.03	0.00	0.00	0.00
17,600.00	90.00	90.65	7,950.00	-2,103.57	9,983.35	10,201.40	0.00	0.00	0.00
17,700.00	90.00	90.65	7,950.00	-2,104.71	10,083.34	10,299.76	0.00	0.00	0.00
17,800.00	90.00	90.65	7,950.00	-2,105.86	10,183.34	10,398.12	0.00	0.00	0.00
17,900.00	90.00	90.65	7,950.00	-2,107.00	10,283.33	10,496.49	0.00	0.00	0.00
18,000.00	90.00	90.65	7,950.00	-2,108.14	10,383.33	10,594.85	0.00	0.00	0.00
18,100.00	90.00	90.65	7,950.00	-2,109.28	10,483.32	10,693.22	0.00	0.00	0.00
18,200.00	90.00	90.65	7,950.00	-2,110.43	10,583.31	10,791.58	0.00	0.00	0.00
18,300.00	90.00	90.65	7,950.00	-2,111.57	10,683.31	10,889.95	0.00	0.00	0.00
18,400.00	90.00	90.65	7,950.00	-2,112.71	10,783.30	10,988.31	0.00	0.00	0.00
18,456.97	90.00	90.65	7,950.00	-2,113.36	10,840.27	11,044.35	0.00	0.00	0.00

Planning Report

Database:	EDT_32Bit_ODBC	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Company:	CRESTONE PEAK RESOURCES	TVD Reference:	KB 25' @ 5718.40usft
Project:	ARAPAHOE COUNTY	MD Reference:	KB 25' @ 5718.40usft
Site:	SEC 15-T4S-R65W	North Reference:	True
Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PROPOSAL 1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
TD at 18456.97									

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
LP-PF4-65 3BH - plan hits target center - Point	0.00	0.00	7,950.00	-2,000.17	932.50	1,681,313.86	3,242,061.46	39.700861°N	104.639719°W
PBHL-PF4-65 3BH - plan hits target center - Point	0.00	0.00	7,950.00	-2,113.36	10,840.27	1,681,294.14	3,251,969.77	39.700544°N	104.604508°W

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
1,459.28	1,434.00	Laramie				
1,810.10	1,772.00	Fox Hills				
2,384.06	2,325.00	Upper Pierre aquifer				
3,098.15	3,013.00	Base of Upper Pierre aquifer				
5,903.63	5,716.00	Terry ("Sussex")				
5,903.63	5,716.00	Hygiene ("Shannon")				
5,903.63	5,716.00	Mitten				
5,903.63	5,716.00	Mitten Marker 1				
5,903.63	5,716.00	Tepee Buttes				
5,903.63	5,716.00	Mitten Marker 2				
5,903.63	5,716.00	Sharon Springs				
8,094.07	7,785.00	Niobrara				

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
250.00	250.00	0.00	0.00	Start Build 2.00
1,026.71	1,017.23	-102.70	20.08	Start 6653.03 hold at 1026.71 MD
7,679.74	7,427.23	-1,851.36	362.05	Start DLS 10.00 TFO -78.70
8,548.56	7,950.00	-2,000.17	932.50	Start 9908.42 hold at 8548.56 MD
18,456.97	7,950.00	-2,113.36	10,840.27	TD at 18456.97

CRESTONE PEAK RESOURCES

**ARAPAHOE COUNTY
SEC 15-T4S-R65W
PROSPER FARMS 4-65 14-13 3BH**

**OWB
PROPOSAL 1**

Anticollision Report

11 February, 2022

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

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

Survey Tool Program	Date	2/11/2022		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	18,456.97	PROPOSAL 1 (OWB)	MWD OWSG	OWSG MWD - Standard

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
SEC 15-T4S-R65W						
EXIST HZ LONE TREE 4-65 15-16 3BH - OWB - FINAL	1,081.06	1,069.11	27.35	19.61	3.536	CC, ES
EXIST HZ LONE TREE 4-65 15-16 3BH - OWB - FINAL	1,100.00	1,087.37	27.81	19.92	3.526	SF
EXIST HZ MONTEZUMA 4-64 18-13 4H - OWB - FINAL	17,660.85	13,680.77	967.38	544.40	2.287	CC
EXIST HZ MONTEZUMA 4-64 18-13 4H - OWB - FINAL	17,700.00	13,652.46	967.60	544.12	2.285	ES, SF
EXIST HZ PROSPER FARMS 4-65 13-14 1H - OWB - FI	2,665.54	2,579.99	856.81	842.55	60.069	CC
EXIST HZ PROSPER FARMS 4-65 13-14 1H - OWB - FI	2,900.00	2,818.68	857.44	840.95	51.992	ES
EXIST HZ PROSPER FARMS 4-65 13-14 1H - OWB - FI	15,692.00	14,725.08	1,762.94	1,361.80	4.395	SF
LONE TREE 4-65 15-16 1AH - OWB - PROPOSAL 1	206.23	211.83	225.11	224.06	214.282	CC
LONE TREE 4-65 15-16 1AH - OWB - PROPOSAL 1	250.00	255.28	225.12	223.75	165.146	ES
LONE TREE 4-65 15-16 1AH - OWB - PROPOSAL 1	10,300.00	7,471.72	3,820.11	3,732.81	43.756	SF
LONE TREE 4-65 15-16 1BH - OWB - PROPOSAL 1	250.00	254.80	175.21	173.85	128.693	CC, ES
LONE TREE 4-65 15-16 1BH - OWB - PROPOSAL 1	9,500.00	7,584.28	2,898.62	2,824.57	39.141	SF
LONE TREE 4-65 15-16 2AH - OWB - PROPOSAL 1	250.65	255.08	124.94	123.58	91.585	CC, ES
LONE TREE 4-65 15-16 2AH - OWB - PROPOSAL 1	7,850.00	8,056.70	1,921.77	1,859.68	30.950	SF
LONE TREE 4-65 15-16 2BH - OWB - PROPOSAL 1	250.00	250.00	75.04	73.69	55.822	CC
LONE TREE 4-65 15-16 2BH - OWB - PROPOSAL 1	300.00	300.83	75.19	73.50	44.464	ES
LONE TREE 4-65 15-16 2BH - OWB - PROPOSAL 1	900.00	904.40	112.12	105.90	18.031	SF
LONE TREE 4-65 15-16 3CH - OWB - PROPOSAL 1	250.00	250.00	25.13	23.79	18.698	CC
LONE TREE 4-65 15-16 3CH - OWB - PROPOSAL 1	8,187.31	8,244.55	38.11	-29.47	0.564	Level 1, ES, SF
LONE TREE 4-65 15-16 4AH - OWB - PROPOSAL 1	792.88	788.32	23.46	18.34	4.578	CC
LONE TREE 4-65 15-16 4AH - OWB - PROPOSAL 1	900.00	894.51	23.71	17.79	4.008	ES
LONE TREE 4-65 15-16 4AH - OWB - PROPOSAL 1	1,100.00	1,092.71	26.88	19.27	3.534	SF
LONE TREE 4-65 15-16 4BH - OWB - PROPOSAL 1	1,053.96	1,034.26	70.61	63.63	10.111	CC, ES
LONE TREE 4-65 15-16 4BH - OWB - PROPOSAL 1	1,200.00	1,176.63	74.33	66.29	9.242	SF
PROSPER FARMS 4-65 14-13 1AH - OWB - PROPOSA	206.40	211.60	199.98	198.93	190.403	CC
PROSPER FARMS 4-65 14-13 1AH - OWB - PROPOSA	250.00	254.88	199.99	198.63	146.856	ES
PROSPER FARMS 4-65 14-13 1AH - OWB - PROPOSA	18,456.97	18,226.33	3,321.30	2,749.82	5.812	SF
PROSPER FARMS 4-65 14-13 1BH - OWB - PROPOSA	250.00	254.30	150.08	148.72	110.378	CC, ES
PROSPER FARMS 4-65 14-13 1BH - OWB - PROPOSA	18,456.97	18,220.21	2,540.43	1,968.86	4.445	SF
PROSPER FARMS 4-65 14-13 2BH - OWB - PROPOSA	250.00	249.70	100.17	98.83	74.575	CC
PROSPER FARMS 4-65 14-13 2BH - OWB - PROPOSA	600.00	611.22	100.98	97.17	26.487	ES
PROSPER FARMS 4-65 14-13 2BH - OWB - PROPOSA	18,449.59	18,259.45	1,160.89	589.13	2.030	SF
PROSPER FARMS 4-65 14-13 3AH - OWB - PROPOSA	571.63	577.16	50.25	46.67	14.009	CC
PROSPER FARMS 4-65 14-13 3AH - OWB - PROPOSA	18,456.97	18,270.01	584.73	18.01	1.032	Level 2, ES, SF
PROSPER FARMS 4-65 14-13 4AH - OWB - PROPOSA	1,032.02	1,018.82	49.00	42.12	7.116	CC
PROSPER FARMS 4-65 14-13 4AH - OWB - PROPOSA	18,456.97	18,536.10	584.72	15.56	1.027	Level 2, ES, SF
PROSPER FARMS 4-65 14-13 4BH - OWB - PROPOSA	1,041.14	1,014.86	97.61	90.71	14.148	CC, ES

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	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 15-T4S-R65W						
PROSPER FARMS 4-65 14-13 4BH - OWB - PROPOSA	16,500.00	16,680.54	1,166.99	699.90	2.498	SF

Offset Design													SEC 15-T4S-R65W - EXIST HZ LONE TREE 4-65 15-16 3BH - OWB - FINAL SURVEY		Offset Site Error:		0.00 usft
Survey Program: 94-MWD OWSG															Offset Well Error:		0.00 usft
Reference		Offset		Semi Major Axis			Distance										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning				
0.00	0.00	0.00	0.00	0.00	0.00	-180.00	-124.95	0.00	124.95								
100.00	100.00	100.01	100.01	0.13	0.13	-179.97	-124.78	-0.07	124.78	124.52	0.27	468.722					
200.00	200.00	199.86	199.86	0.49	0.50	-179.82	-124.53	-0.38	124.53	123.54	0.99	125.219					
250.00	250.00	249.86	249.86	0.67	0.68	-179.72	-124.43	-0.60	124.43	123.08	1.35	91.998					
300.00	300.00	299.85	299.85	0.84	0.86	11.48	-124.32	-0.81	123.90	122.19	1.70	72.759					
400.00	399.93	399.73	399.73	1.18	1.22	12.04	-124.13	-1.26	120.29	117.89	2.40	50.087					
500.00	499.68	499.38	499.38	1.54	1.57	13.05	-123.99	-1.74	113.36	110.24	3.11	36.415					
600.00	599.13	598.91	598.90	1.91	1.93	14.68	-123.91	-2.22	103.15	99.32	3.83	26.932					
700.00	698.15	698.09	698.08	2.31	2.28	17.23	-123.55	-2.51	89.42	84.87	4.55	19.646					
800.00	796.63	796.48	796.47	2.74	2.63	21.75	-123.16	-2.90	72.68	67.40	5.28	13.760					
900.00	894.44	894.18	894.17	3.20	2.98	30.69	-122.74	-3.32	53.59	47.55	6.04	8.874					
1,000.00	991.46	991.01	991.00	3.70	3.33	52.01	-122.48	-3.65	34.83	27.93	6.90	5.045					
1,026.71	1,017.23	1,016.75	1,016.74	3.84	3.42	62.20	-122.49	-3.73	30.96	23.78	7.18	4.313					
1,081.06	1,069.59	1,069.11	1,069.10	4.13	3.60	89.28	-122.56	-3.90	27.35	19.61	7.73	3.536 CC, ES					
1,100.00	1,087.84	1,087.37	1,087.36	4.23	3.67	99.38	-122.59	-3.95	27.81	19.92	7.89	3.526 SF					
1,200.00	1,184.19	1,183.80	1,183.78	4.78	4.00	137.39	-122.86	-4.23	41.81	33.38	8.43	4.958					
1,300.00	1,280.54	1,280.16	1,280.14	5.33	4.34	153.25	-123.18	-4.52	64.28	55.26	9.02	7.128					
1,400.00	1,376.88	1,376.57	1,376.56	5.89	4.68	160.68	-123.47	-4.91	89.08	79.40	9.68	9.204					
1,500.00	1,473.23	1,472.81	1,472.80	6.45	5.02	164.80	-123.76	-5.39	114.71	104.34	10.37	11.063					
1,600.00	1,569.58	1,569.32	1,569.30	7.02	5.36	167.42	-124.02	-5.89	140.75	129.67	11.08	12.706					
1,700.00	1,665.92	1,665.59	1,665.57	7.59	5.70	169.18	-124.32	-6.49	166.96	155.17	11.79	14.159					
1,800.00	1,762.27	1,761.66	1,761.64	8.16	6.05	170.44	-124.54	-7.20	193.40	180.89	12.51	15.459					
1,900.00	1,858.62	1,858.25	1,858.22	8.73	6.39	171.40	-124.73	-7.91	219.93	206.70	13.24	16.615					
2,000.00	1,954.97	1,954.56	1,954.53	9.31	6.74	172.17	-124.94	-8.55	246.47	232.51	13.96	17.652					
2,100.00	2,051.31	2,050.89	2,050.86	9.88	7.08	172.79	-125.13	-9.19	273.06	258.37	14.69	18.587					
2,200.00	2,147.66	2,147.33	2,147.30	10.46	7.43	173.31	-125.32	-9.77	299.66	284.24	15.42	19.432					
2,300.00	2,244.01	2,243.78	2,243.75	11.04	7.77	173.76	-125.52	-10.31	326.25	310.10	16.15	20.203					
2,400.00	2,340.35	2,340.05	2,340.01	11.62	8.10	174.19	-125.62	-10.54	352.86	336.00	16.86	20.924					
2,500.00	2,436.70	2,436.21	2,436.18	12.19	8.42	174.61	-125.59	-10.47	379.53	361.96	17.57	21.604					
2,600.00	2,533.05	2,533.98	2,533.95	12.77	8.75	174.99	-125.67	-10.31	406.09	387.81	18.29	22.206					
2,700.00	2,629.39	2,628.95	2,628.92	13.35	9.07	175.30	-125.81	-10.20	432.62	413.62	19.00	22.773					
2,800.00	2,725.74	2,724.66	2,724.62	13.93	9.41	175.56	-125.74	-10.30	459.41	439.69	19.72	23.294					
2,900.00	2,822.09	2,821.36	2,821.32	14.51	9.75	175.81	-125.64	-10.35	486.24	465.79	20.45	23.780					
3,000.00	2,918.44	2,918.21	2,918.17	15.09	10.09	176.03	-125.61	-10.35	512.98	491.80	21.17	24.227					
3,100.00	3,014.78	3,014.13	3,014.10	15.67	10.42	176.22	-125.61	-10.38	539.72	517.82	21.90	24.646					
3,200.00	3,111.13	3,110.33	3,110.29	16.25	10.76	176.39	-125.56	-10.44	566.51	543.89	22.63	25.038					
3,300.00	3,207.48	3,206.90	3,206.86	16.84	11.11	176.54	-125.53	-10.57	593.30	569.94	23.36	25.396					
3,400.00	3,303.82	3,302.14	3,302.10	17.42	11.45	176.67	-125.44	-10.77	620.18	596.09	24.09	25.749					
3,500.00	3,400.17	3,399.36	3,399.32	18.00	11.78	176.81	-125.33	-10.82	647.04	622.22	24.82	26.073					
3,600.00	3,496.52	3,494.34	3,494.31	18.58	12.11	176.93	-125.16	-10.94	673.98	648.45	25.53	26.400					
3,700.00	3,592.87	3,593.91	3,593.88	19.16	12.46	177.03	-125.20	-11.13	700.73	674.45	26.28	26.660					

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - EXIST HZ LONE TREE 4-65 15-16 3BH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 94-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
3,800.00	3,689.21	3,690.74	3,690.71	19.74	12.80	177.14	-125.47	-11.17	727.23	700.22	27.01	26.923		
3,900.00	3,785.56	3,785.78	3,785.74	20.33	13.12	177.25	-125.58	-11.00	753.83	726.11	27.72	27.193		
4,000.00	3,881.91	3,881.68	3,881.64	20.91	13.45	177.34	-125.62	-11.02	780.55	752.10	28.44	27.443		
4,100.00	3,978.25	3,977.95	3,977.91	21.49	13.78	177.42	-125.64	-11.06	807.29	778.13	29.16	27.681		
4,200.00	4,074.60	4,074.27	4,074.23	22.07	14.11	177.51	-125.65	-11.02	834.04	804.15	29.88	27.912		
4,300.00	4,170.95	4,170.14	4,170.10	22.65	14.44	177.59	-125.61	-11.00	860.83	830.23	30.60	28.133		
4,400.00	4,267.29	4,266.65	4,266.61	23.24	14.77	177.66	-125.57	-10.96	887.62	856.30	31.32	28.339		
4,500.00	4,363.64	4,362.81	4,362.77	23.82	15.10	177.74	-125.50	-10.89	914.43	882.39	32.04	28.539		
4,600.00	4,459.99	4,458.84	4,458.81	24.40	15.43	177.80	-125.44	-10.86	941.24	908.48	32.76	28.728		
4,700.00	4,556.34	4,554.12	4,554.08	24.98	15.76	177.87	-125.29	-10.76	968.14	934.66	33.48	28.915		
4,800.00	4,652.68	4,656.57	4,656.53	25.57	16.11	177.94	-125.15	-10.67	995.02	960.77	34.25	29.050		
4,900.00	4,749.03	4,790.46	4,790.39	26.15	16.58	178.00	-127.80	-10.33	1,019.98	984.75	35.23	28.954		
5,000.00	4,845.38	4,902.79	4,902.55	26.73	16.97	177.94	-133.67	-11.05	1,041.93	1,005.87	36.05	28.901		
5,100.00	4,941.72	5,011.33	5,010.88	27.32	17.34	177.88	-140.48	-11.82	1,062.92	1,026.07	36.85	28.844		
5,200.00	5,038.07	5,132.56	5,131.75	27.90	17.77	177.85	-149.85	-11.40	1,082.27	1,044.56	37.71	28.700		
5,300.00	5,134.42	5,246.60	5,245.26	28.48	18.16	177.93	-160.37	-8.62	1,099.70	1,061.18	38.52	28.547		
5,400.00	5,230.76	5,394.47	5,392.02	29.06	18.68	178.19	-176.67	-1.10	1,115.04	1,075.60	39.45	28.267		
5,500.00	5,327.11	5,595.10	5,588.80	29.65	19.40	178.48	-213.37	11.38	1,122.51	1,082.13	40.37	27.802		
5,600.00	5,423.46	5,756.14	5,744.38	30.23	20.01	178.50	-253.97	19.79	1,123.71	1,082.61	41.10	27.338		
5,700.00	5,519.81	5,855.64	5,839.79	30.81	20.40	178.47	-281.78	24.59	1,122.09	1,080.24	41.86	26.808		
5,800.00	5,616.15	5,967.92	5,947.18	31.40	20.86	178.46	-313.97	30.81	1,119.56	1,076.97	42.59	26.284		
5,900.00	5,712.50	6,087.92	6,061.56	31.98	21.37	178.34	-349.91	35.55	1,116.17	1,072.85	43.32	25.767		
6,000.00	5,808.85	6,224.33	6,189.88	32.56	21.97	177.81	-396.10	34.42	1,109.70	1,065.70	44.00	25.223		
6,100.00	5,905.19	6,351.74	6,307.64	33.15	22.56	176.93	-444.14	27.19	1,100.32	1,055.62	44.69	24.619		
6,200.00	6,001.54	6,468.85	6,414.43	33.73	23.13	175.89	-491.16	17.15	1,089.24	1,043.80	45.44	23.971		
6,300.00	6,097.89	6,616.39	6,546.43	34.31	23.90	174.34	-555.19	1.86	1,075.50	1,029.43	46.07	23.344		
6,400.00	6,194.24	6,738.55	6,653.03	34.90	24.59	172.81	-612.96	-12.96	1,058.37	1,011.52	46.85	22.589		
6,500.00	6,290.58	6,845.77	6,745.49	35.48	25.23	171.35	-665.53	-26.55	1,040.10	992.34	47.76	21.779		
6,600.00	6,386.93	6,957.77	6,841.96	36.06	25.92	169.86	-721.11	-38.66	1,021.31	972.65	48.66	20.988		
6,700.00	6,483.28	7,111.06	6,972.91	36.65	26.92	168.15	-800.32	-46.20	998.96	949.71	49.24	20.286		
6,800.00	6,579.62	7,215.39	7,061.61	37.23	27.63	167.26	-855.22	-44.46	973.82	923.70	50.12	19.428		
6,900.00	6,675.97	7,315.11	7,146.33	37.81	28.32	166.39	-907.78	-42.44	948.68	897.62	51.06	18.578		
7,000.00	6,772.32	7,415.25	7,231.43	38.40	29.04	165.59	-960.41	-38.39	923.10	871.10	52.00	17.752		
7,100.00	6,868.66	7,509.97	7,312.00	38.98	29.72	164.84	-1,009.99	-33.77	897.54	844.54	53.01	16.933		
7,200.00	6,965.01	7,577.04	7,369.25	39.56	30.21	164.24	-1,044.83	-31.46	873.37	819.04	54.33	16.074		
7,300.00	7,061.36	7,635.00	7,419.39	40.15	30.63	163.50	-1,073.81	-33.46	853.92	798.15	55.77	15.312		
7,400.00	7,157.71	7,745.11	7,511.20	40.73	31.46	161.19	-1,132.42	-48.63	835.97	778.80	57.18	14.620		
7,500.00	7,254.05	7,810.82	7,561.97	41.31	31.98	159.12	-1,170.11	-66.34	820.19	761.17	59.02	13.896		
7,600.00	7,350.40	7,851.97	7,592.23	41.90	32.30	157.57	-1,193.62	-81.30	810.62	749.86	60.76	13.341		
7,660.62	7,408.80	7,872.97	7,607.42	42.25	32.46	156.71	-1,205.08	-90.21	808.99	747.34	61.65	13.121		
7,679.74	7,427.23	7,879.43	7,612.04	42.36	32.50	156.44	-1,208.51	-93.11	809.15	747.25	61.91	13.070		
7,700.00	7,446.72	7,886.10	7,616.80	42.48	32.56	163.15	-1,212.02	-96.20	809.89	747.73	62.16	13.029		
7,750.00	7,494.53	7,918.00	7,639.23	42.78	32.80	176.71	-1,228.18	-112.11	815.52	752.45	63.07	12.931		
7,800.00	7,541.59	7,918.00	7,639.23	43.09	32.80	-171.57	-1,228.18	-112.11	825.18	761.90	63.28	13.040		
7,850.00	7,587.55	7,918.00	7,639.23	43.39	32.80	-162.43	-1,228.18	-112.11	840.12	776.75	63.36	13.259		
7,900.00	7,632.06	7,918.00	7,639.23	43.70	32.80	-154.94	-1,228.18	-112.11	859.95	796.62	63.34	13.578		
7,950.00	7,674.78	7,947.06	7,659.18	44.01	32.99	-150.34	-1,242.00	-128.07	883.02	818.92	64.10	13.776		
8,000.00	7,715.39	7,953.85	7,663.79	44.33	33.04	-144.82	-1,245.12	-131.98	910.55	846.34	64.22	14.180		
8,050.00	7,753.58	7,958.76	7,667.09	44.64	33.07	-139.28	-1,247.34	-134.85	941.53	877.25	64.27	14.649		
8,100.00	7,789.06	7,961.89	7,669.19	44.95	33.09	-133.43	-1,248.74	-136.70	975.46	911.17	64.29	15.173		
8,150.00	7,821.55	7,963.35	7,670.18	45.26	33.10	-127.08	-1,249.39	-137.57	1,011.85	947.57	64.28	15.740		
8,200.00	7,850.82	7,963.28	7,670.13	45.57	33.10	-120.12	-1,249.36	-137.52	1,050.20	985.92	64.27	16.340		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - EXIST HZ LONE TREE 4-65 15-16 3BH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 94-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
8,250.00	7,876.63	7,961.81	7,669.14	45.89	33.09	-112.55	-1,248.70	-136.65	1,090.02	1,025.75	64.27	16.961		
8,300.00	7,898.79	7,959.04	7,667.29	46.21	33.07	-104.52	-1,247.46	-135.02	1,130.85	1,066.57	64.28	17.592		
8,350.00	7,917.13	7,955.12	7,664.64	46.53	33.05	-96.29	-1,245.69	-132.72	1,172.27	1,107.96	64.32	18.226		
8,400.00	7,931.52	7,950.14	7,661.28	46.86	33.01	-88.24	-1,243.42	-129.84	1,213.89	1,149.51	64.38	18.854		
8,450.00	7,941.84	7,918.00	7,639.23	47.20	32.80	-79.31	-1,228.18	-112.11	1,256.24	1,192.56	63.68	19.728		
8,500.00	7,948.02	7,918.00	7,639.23	47.54	32.80	-73.10	-1,228.18	-112.11	1,296.78	1,232.75	64.03	20.253		
8,548.56	7,950.00	7,918.00	7,639.23	47.88	32.80	-67.79	-1,228.18	-112.11	1,335.48	1,271.07	64.41	20.735		
8,600.00	7,950.00	7,918.00	7,639.23	48.26	32.80	-67.79	-1,228.18	-112.11	1,376.42	1,311.60	64.82	21.236		
8,700.00	7,950.00	7,918.00	7,639.23	49.08	32.80	-67.79	-1,228.18	-112.11	1,457.90	1,392.37	65.54	22.245		
8,800.00	7,950.00	7,918.00	7,639.23	50.02	32.80	-67.79	-1,228.18	-112.11	1,541.57	1,475.40	66.17	23.297		
8,900.00	7,950.00	7,918.00	7,639.23	51.07	32.80	-67.79	-1,228.18	-112.11	1,627.08	1,560.36	66.73	24.384		
9,000.00	7,950.00	7,877.09	7,610.37	52.25	32.49	-66.53	-1,207.27	-92.05	1,711.85	1,645.59	66.27	25.833		
9,100.00	7,950.00	7,868.05	7,603.87	53.55	32.42	-66.26	-1,202.43	-88.04	1,799.17	1,732.63	66.54	27.038		
9,200.00	7,950.00	7,859.69	7,597.83	54.97	32.36	-66.01	-1,197.88	-84.47	1,887.56	1,820.76	66.80	28.258		
9,300.00	7,950.00	7,823.00	7,571.01	56.50	32.08	-64.99	-1,177.17	-70.43	1,978.01	1,911.56	66.44	29.770		
9,400.00	7,950.00	7,823.00	7,571.01	58.13	32.08	-64.99	-1,177.17	-70.43	2,067.67	2,000.84	66.83	30.941		
9,500.00	7,950.00	7,823.00	7,571.01	59.85	32.08	-64.99	-1,177.17	-70.43	2,158.24	2,091.07	67.17	32.131		
9,600.00	7,950.00	7,823.00	7,571.01	61.66	32.08	-64.99	-1,177.17	-70.43	2,249.61	2,182.13	67.48	33.336		
9,700.00	7,950.00	7,823.00	7,571.01	63.55	32.08	-64.99	-1,177.17	-70.43	2,341.68	2,273.92	67.77	34.556		
9,800.00	7,950.00	7,823.00	7,571.01	65.51	32.08	-64.99	-1,177.17	-70.43	2,434.38	2,366.36	68.02	35.788		
9,900.00	7,950.00	7,823.00	7,571.01	67.52	32.08	-64.99	-1,177.17	-70.43	2,527.64	2,459.38	68.26	37.030		
10,000.00	7,950.00	7,823.00	7,571.01	69.60	32.08	-64.99	-1,177.17	-70.43	2,621.39	2,552.92	68.48	38.282		
10,100.00	7,950.00	7,823.00	7,571.01	71.72	32.08	-64.99	-1,177.17	-70.43	2,715.59	2,646.92	68.67	39.543		
10,200.00	7,950.00	7,823.00	7,571.01	73.89	32.08	-64.99	-1,177.17	-70.43	2,810.19	2,741.34	68.86	40.811		
10,300.00	7,950.00	7,823.00	7,571.01	76.09	32.08	-64.99	-1,177.17	-70.43	2,905.16	2,836.13	69.03	42.085		
10,400.00	7,950.00	7,823.00	7,571.01	78.34	32.08	-64.99	-1,177.17	-70.43	3,000.45	2,931.26	69.19	43.365		
10,500.00	7,950.00	7,782.19	7,540.24	80.61	31.76	-63.89	-1,153.59	-57.71	3,094.36	3,025.60	68.76	45.001		
10,600.00	7,950.00	7,777.97	7,536.98	82.91	31.72	-63.78	-1,151.17	-56.55	3,189.86	3,121.00	68.86	46.326		
10,700.00	7,950.00	7,773.96	7,533.88	85.24	31.69	-63.67	-1,148.87	-55.49	3,285.59	3,216.64	68.95	47.654		
10,800.00	7,950.00	7,770.17	7,530.93	87.60	31.66	-63.57	-1,146.70	-54.50	3,381.54	3,312.51	69.03	48.984		
10,900.00	7,950.00	7,729.00	7,498.29	89.97	31.34	-62.46	-1,123.32	-45.44	3,479.10	3,410.46	68.63	50.691		
11,000.00	7,950.00	7,729.00	7,498.29	92.37	31.34	-62.46	-1,123.32	-45.44	3,575.19	3,506.42	68.77	51.990		
11,100.00	7,950.00	7,729.00	7,498.29	94.78	31.34	-62.46	-1,123.32	-45.44	3,671.49	3,602.60	68.89	53.292		
11,200.00	7,950.00	7,729.00	7,498.29	97.21	31.34	-62.46	-1,123.32	-45.44	3,767.99	3,698.97	69.01	54.597		
11,300.00	7,950.00	7,729.00	7,498.29	99.65	31.34	-62.46	-1,123.32	-45.44	3,864.66	3,795.53	69.13	55.905		
11,400.00	7,950.00	7,729.00	7,498.29	102.11	31.34	-62.46	-1,123.32	-45.44	3,961.50	3,892.26	69.24	57.214		
11,500.00	7,950.00	7,729.00	7,498.29	104.58	31.34	-62.46	-1,123.32	-45.44	4,058.49	3,989.14	69.35	58.525		
11,600.00	7,950.00	7,729.00	7,498.29	107.07	31.34	-62.46	-1,123.32	-45.44	4,155.62	4,086.17	69.45	59.838		
11,700.00	7,950.00	7,729.00	7,498.29	109.56	31.34	-62.46	-1,123.32	-45.44	4,252.89	4,183.34	69.55	61.152		
11,800.00	7,950.00	7,729.00	7,498.29	112.07	31.34	-62.46	-1,123.32	-45.44	4,350.28	4,280.64	69.64	62.466		
11,900.00	7,950.00	7,729.00	7,498.29	114.58	31.34	-62.46	-1,123.32	-45.44	4,447.78	4,378.05	69.73	63.782		
12,000.00	7,950.00	7,729.00	7,498.29	117.10	31.34	-62.46	-1,123.32	-45.44	4,545.40	4,475.58	69.82	65.098		
12,100.00	7,950.00	7,729.00	7,498.29	119.63	31.34	-62.46	-1,123.32	-45.44	4,643.12	4,573.20	69.91	66.415		
12,200.00	7,950.00	7,729.00	7,498.29	122.17	31.34	-62.46	-1,123.32	-45.44	4,740.93	4,670.93	70.00	67.732		
12,300.00	7,950.00	7,729.00	7,498.29	124.72	31.34	-62.46	-1,123.32	-45.44	4,838.83	4,768.75	70.08	69.049		
12,400.00	7,950.00	7,729.00	7,498.29	127.27	31.34	-62.46	-1,123.32	-45.44	4,936.81	4,866.65	70.16	70.366		
12,500.00	7,950.00	7,729.00	7,498.29	129.82	31.34	-62.46	-1,123.32	-45.44	5,034.88	4,964.64	70.24	71.683		
12,600.00	7,950.00	7,729.00	7,498.29	132.39	31.34	-62.46	-1,123.32	-45.44	5,133.02	5,062.70	70.32	72.999		
12,700.00	7,950.00	7,729.00	7,498.29	134.96	31.34	-62.46	-1,123.32	-45.44	5,231.23	5,160.83	70.39	74.315		
12,800.00	7,950.00	7,729.00	7,498.29	137.53	31.34	-62.46	-1,123.32	-45.44	5,329.50	5,259.03	70.47	75.631		
12,900.00	7,950.00	7,729.00	7,498.29	140.11	31.34	-62.46	-1,123.32	-45.44	5,427.84	5,357.30	70.54	76.946		
13,000.00	7,950.00	7,729.00	7,498.29	142.69	31.34	-62.46	-1,123.32	-45.44	5,526.24	5,455.63	70.61	78.260		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - EXIST HZ LONE TREE 4-65 15-16 3BH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 94-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
13,100.00	7,950.00	7,729.00	7,498.29	145.28	31.34	-62.46	-1,123.32	-45.44	5,624.69	5,554.01	70.69	79.573		
13,200.00	7,950.00	7,729.00	7,498.29	147.87	31.34	-62.46	-1,123.32	-45.44	5,723.20	5,652.45	70.76	80.885		
13,300.00	7,950.00	7,729.00	7,498.29	150.47	31.34	-62.46	-1,123.32	-45.44	5,821.76	5,750.94	70.83	82.196		
13,400.00	7,950.00	7,729.00	7,498.29	153.07	31.34	-62.46	-1,123.32	-45.44	5,920.37	5,849.47	70.90	83.506		
13,500.00	7,950.00	7,729.00	7,498.29	155.67	31.34	-62.46	-1,123.32	-45.44	6,019.02	5,948.06	70.97	84.815		
13,600.00	7,950.00	7,729.00	7,498.29	158.28	31.34	-62.46	-1,123.32	-45.44	6,117.72	6,046.69	71.04	86.123		
13,700.00	7,950.00	7,729.00	7,498.29	160.88	31.34	-62.46	-1,123.32	-45.44	6,216.46	6,145.36	71.10	87.429		
13,800.00	7,950.00	7,729.00	7,498.29	163.50	31.34	-62.46	-1,123.32	-45.44	6,315.24	6,244.07	71.17	88.733		
13,900.00	7,950.00	7,729.00	7,498.29	166.11	31.34	-62.46	-1,123.32	-45.44	6,414.06	6,342.82	71.24	90.037		
14,000.00	7,950.00	7,729.00	7,498.29	168.73	31.34	-62.46	-1,123.32	-45.44	6,512.91	6,441.60	71.31	91.338		
14,100.00	7,950.00	7,729.00	7,498.29	171.35	31.34	-62.46	-1,123.32	-45.44	6,611.80	6,540.42	71.37	92.638		
14,200.00	7,950.00	7,729.00	7,498.29	173.97	31.34	-62.46	-1,123.32	-45.44	6,710.72	6,639.28	71.44	93.936		
14,300.00	7,950.00	7,729.00	7,498.29	176.59	31.34	-62.46	-1,123.32	-45.44	6,809.67	6,738.16	71.51	95.233		
14,400.00	7,950.00	7,687.98	7,464.60	179.22	31.03	-61.36	-1,100.87	-38.90	6,907.58	6,836.36	71.22	96.992		
14,500.00	7,950.00	7,686.54	7,463.39	181.85	31.02	-61.32	-1,100.10	-38.71	7,006.51	6,935.24	71.27	98.304		
14,600.00	7,950.00	7,685.14	7,462.22	184.48	31.01	-61.28	-1,099.36	-38.52	7,105.47	7,034.14	71.33	99.614		
14,700.00	7,950.00	7,683.77	7,461.08	187.11	31.00	-61.25	-1,098.64	-38.34	7,204.46	7,133.08	71.39	100.922		
14,800.00	7,950.00	7,682.44	7,459.96	189.75	30.99	-61.21	-1,097.94	-38.17	7,303.48	7,232.03	71.44	102.228		
14,900.00	7,950.00	7,681.15	7,458.87	192.38	30.98	-61.18	-1,097.25	-38.01	7,402.51	7,331.01	71.50	103.531		
15,000.00	7,950.00	7,679.89	7,457.81	195.02	30.97	-61.14	-1,096.59	-37.85	7,501.58	7,430.02	71.56	104.833		
15,100.00	7,950.00	7,678.66	7,456.78	197.66	30.96	-61.11	-1,095.94	-37.69	7,600.66	7,529.05	71.62	106.132		
15,200.00	7,950.00	7,677.46	7,455.76	200.30	30.95	-61.08	-1,095.31	-37.55	7,699.77	7,628.09	71.67	107.428		
15,300.00	7,950.00	7,635.00	7,419.39	202.94	30.63	-59.92	-1,073.81	-33.46	7,799.98	7,728.58	71.40	109.245		
15,400.00	7,950.00	7,635.00	7,419.39	205.59	30.63	-59.92	-1,073.81	-33.46	7,899.06	7,827.60	71.47	110.525		
15,500.00	7,950.00	7,635.00	7,419.39	208.23	30.63	-59.92	-1,073.81	-33.46	7,998.17	7,926.64	71.54	111.803		
15,600.00	7,950.00	7,635.00	7,419.39	210.88	30.63	-59.92	-1,073.81	-33.46	8,097.31	8,025.70	71.61	113.079		
15,700.00	7,950.00	7,635.00	7,419.39	213.52	30.63	-59.92	-1,073.81	-33.46	8,196.46	8,124.78	71.68	114.353		
15,800.00	7,950.00	7,635.00	7,419.39	216.17	30.63	-59.92	-1,073.81	-33.46	8,295.63	8,223.89	71.75	115.624		
15,900.00	7,950.00	7,635.00	7,419.39	218.82	30.63	-59.92	-1,073.81	-33.46	8,394.83	8,323.01	71.82	116.892		
16,000.00	7,950.00	7,635.00	7,419.39	221.47	30.63	-59.92	-1,073.81	-33.46	8,494.04	8,422.15	71.89	118.159		
16,100.00	7,950.00	7,635.00	7,419.39	224.13	30.63	-59.92	-1,073.81	-33.46	8,593.27	8,521.31	71.96	119.422		
16,200.00	7,950.00	7,635.00	7,419.39	226.78	30.63	-59.92	-1,073.81	-33.46	8,692.52	8,620.49	72.03	120.684		
16,300.00	7,950.00	7,635.00	7,419.39	229.43	30.63	-59.92	-1,073.81	-33.46	8,791.78	8,719.69	72.10	121.942		
16,400.00	7,950.00	7,635.00	7,419.39	232.09	30.63	-59.92	-1,073.81	-33.46	8,891.07	8,818.90	72.17	123.199		
16,500.00	7,950.00	7,635.00	7,419.39	234.75	30.63	-59.92	-1,073.81	-33.46	8,990.36	8,918.12	72.24	124.452		
16,600.00	7,950.00	7,635.00	7,419.39	237.40	30.63	-59.92	-1,073.81	-33.46	9,089.68	9,017.37	72.31	125.703		
16,700.00	7,950.00	7,635.00	7,419.39	240.06	30.63	-59.92	-1,073.81	-33.46	9,189.00	9,116.62	72.38	126.951		
16,800.00	7,950.00	7,635.00	7,419.39	242.72	30.63	-59.92	-1,073.81	-33.46	9,288.35	9,215.89	72.45	128.197		
16,900.00	7,950.00	7,635.00	7,419.39	245.38	30.63	-59.92	-1,073.81	-33.46	9,387.70	9,315.18	72.53	129.440		
17,000.00	7,950.00	7,635.00	7,419.39	248.04	30.63	-59.92	-1,073.81	-33.46	9,487.07	9,414.48	72.60	130.680		
17,100.00	7,950.00	7,635.00	7,419.39	250.70	30.63	-59.92	-1,073.81	-33.46	9,586.46	9,513.79	72.67	131.917		
17,200.00	7,950.00	7,635.00	7,419.39	253.36	30.63	-59.92	-1,073.81	-33.46	9,685.85	9,613.11	72.74	133.152		
17,300.00	7,950.00	7,635.00	7,419.39	256.02	30.63	-59.92	-1,073.81	-33.46	9,785.26	9,712.44	72.82	134.383		
17,400.00	7,950.00	7,635.00	7,419.39	258.69	30.63	-59.92	-1,073.81	-33.46	9,884.68	9,811.79	72.89	135.612		
17,500.00	7,950.00	7,635.00	7,419.39	261.35	30.63	-59.92	-1,073.81	-33.46	9,984.11	9,911.15	72.96	136.838		

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - EXIST HZ MONTEZUMA 4-64 18-13 4H - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 2176-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
3,700.00	3,592.87	14,842.00	7,838.79	19.16	192.01	-72.10	-3,077.00	8,872.28	9,956.87	9,891.09	65.78	151.359		
3,800.00	3,689.21	14,842.00	7,838.79	19.74	192.01	-72.10	-3,077.00	8,872.28	9,905.66	9,839.72	65.94	150.229		
3,900.00	3,785.56	14,842.00	7,838.79	20.33	192.01	-72.10	-3,077.00	8,872.28	9,855.19	9,789.10	66.09	149.118		
4,000.00	3,881.91	14,842.00	7,838.79	20.91	192.01	-72.10	-3,077.00	8,872.28	9,805.48	9,739.24	66.24	148.024		
4,100.00	3,978.25	14,842.00	7,838.79	21.49	192.01	-72.10	-3,077.00	8,872.28	9,756.55	9,690.16	66.40	146.947		
4,200.00	4,074.60	14,842.00	7,838.79	22.07	192.01	-72.10	-3,077.00	8,872.28	9,708.40	9,641.85	66.55	145.888		
4,300.00	4,170.95	14,842.00	7,838.79	22.65	192.01	-72.10	-3,077.00	8,872.28	9,661.04	9,594.35	66.70	144.847		
4,400.00	4,267.29	14,842.00	7,838.79	23.24	192.01	-72.10	-3,077.00	8,872.28	9,614.50	9,547.65	66.85	143.823		
4,500.00	4,363.64	14,842.00	7,838.79	23.82	192.01	-72.10	-3,077.00	8,872.28	9,568.77	9,501.77	67.00	142.818		
4,600.00	4,459.99	14,842.00	7,838.79	24.40	192.01	-72.10	-3,077.00	8,872.28	9,523.87	9,456.72	67.15	141.829		
4,700.00	4,556.34	14,842.00	7,838.79	24.98	192.01	-72.10	-3,077.00	8,872.28	9,479.81	9,412.51	67.30	140.859		
4,800.00	4,652.68	14,842.00	7,838.79	25.57	192.01	-72.10	-3,077.00	8,872.28	9,436.61	9,369.16	67.45	139.906		
4,900.00	4,749.03	14,842.00	7,838.79	26.15	192.01	-72.10	-3,077.00	8,872.28	9,394.27	9,326.67	67.60	138.970		
5,000.00	4,845.38	14,842.00	7,838.79	26.73	192.01	-72.10	-3,077.00	8,872.28	9,352.81	9,285.06	67.75	138.052		
5,100.00	4,941.72	14,842.00	7,838.79	27.32	192.01	-72.10	-3,077.00	8,872.28	9,312.24	9,244.34	67.90	137.150		
5,200.00	5,038.07	14,842.00	7,838.79	27.90	192.01	-72.10	-3,077.00	8,872.28	9,272.57	9,204.52	68.05	136.266		
5,300.00	5,134.42	14,842.00	7,838.79	28.48	192.01	-72.10	-3,077.00	8,872.28	9,233.81	9,165.62	68.20	135.399		
5,400.00	5,230.76	14,842.00	7,838.79	29.06	192.01	-72.10	-3,077.00	8,872.28	9,195.98	9,127.63	68.35	134.548		
5,500.00	5,327.11	14,842.00	7,838.79	29.65	192.01	-72.10	-3,077.00	8,872.28	9,159.08	9,090.59	68.50	133.714		
5,600.00	5,423.46	14,842.00	7,838.79	30.23	192.01	-72.10	-3,077.00	8,872.28	9,123.13	9,054.49	68.65	132.895		
5,700.00	5,519.81	14,842.00	7,838.79	30.81	192.01	-72.10	-3,077.00	8,872.28	9,088.14	9,019.34	68.80	132.093		
5,800.00	5,616.15	14,842.00	7,838.79	31.40	192.01	-72.10	-3,077.00	8,872.28	9,054.12	8,985.17	68.95	131.306		
5,900.00	5,712.50	14,842.00	7,838.79	31.98	192.01	-72.10	-3,077.00	8,872.28	9,021.08	8,951.97	69.11	130.534		
6,000.00	5,808.85	14,842.00	7,838.79	32.56	192.01	-72.10	-3,077.00	8,872.28	8,989.03	8,919.76	69.27	129.776		
6,100.00	5,905.19	14,842.00	7,838.79	33.15	192.01	-72.10	-3,077.00	8,872.28	8,957.98	8,888.55	69.42	129.033		
6,200.00	6,001.54	14,842.00	7,838.79	33.73	192.01	-72.10	-3,077.00	8,872.28	8,927.94	8,858.36	69.58	128.304		
6,300.00	6,097.89	14,842.00	7,838.79	34.31	192.01	-72.10	-3,077.00	8,872.28	8,898.92	8,829.18	69.75	127.588		
6,400.00	6,194.24	14,842.00	7,838.79	34.90	192.01	-72.10	-3,077.00	8,872.28	8,870.94	8,801.03	69.91	126.885		
6,500.00	6,290.58	14,842.00	7,838.79	35.48	192.01	-72.10	-3,077.00	8,872.28	8,844.00	8,773.92	70.08	126.194		
6,600.00	6,386.93	14,842.00	7,838.79	36.06	192.01	-72.10	-3,077.00	8,872.28	8,818.11	8,747.86	70.26	125.514		
6,700.00	6,483.28	14,842.00	7,838.79	36.65	192.01	-72.10	-3,077.00	8,872.28	8,793.29	8,722.85	70.43	124.845		
6,800.00	6,579.62	14,842.00	7,838.79	37.23	192.01	-72.10	-3,077.00	8,872.28	8,769.53	8,698.91	70.62	124.187		
6,900.00	6,675.97	14,842.00	7,838.79	37.81	192.01	-72.10	-3,077.00	8,872.28	8,746.85	8,676.05	70.80	123.538		
7,000.00	6,772.32	14,842.00	7,838.79	38.40	192.01	-72.10	-3,077.00	8,872.28	8,725.26	8,654.26	71.00	122.898		
7,100.00	6,868.66	14,842.00	7,838.79	38.98	192.01	-72.10	-3,077.00	8,872.28	8,704.76	8,633.57	71.20	122.266		
7,200.00	6,965.01	14,842.00	7,838.79	39.56	192.01	-72.10	-3,077.00	8,872.28	8,685.37	8,613.97	71.40	121.641		
7,300.00	7,061.36	14,842.00	7,838.79	40.15	192.01	-72.10	-3,077.00	8,872.28	8,667.09	8,595.47	71.62	121.023		
7,400.00	7,157.71	14,842.00	7,838.79	40.73	192.01	-72.10	-3,077.00	8,872.28	8,649.92	8,578.09	71.84	120.410		
7,500.00	7,254.05	14,842.00	7,838.79	41.31	192.01	-72.10	-3,077.00	8,872.28	8,633.88	8,561.81	72.07	119.801		
7,600.00	7,350.40	14,842.00	7,838.79	41.90	192.01	-72.10	-3,077.00	8,872.28	8,618.97	8,546.66	72.31	119.197		
7,679.74	7,427.23	14,842.00	7,838.79	42.36	192.01	-72.10	-3,077.00	8,872.28	8,607.90	8,535.39	72.51	118.717		
7,700.00	7,446.72	14,842.00	7,838.79	42.48	192.01	-65.13	-3,077.00	8,872.28	8,604.85	8,532.29	72.56	118.590		
7,750.00	7,494.53	14,842.00	7,838.79	42.78	192.01	-50.33	-3,077.00	8,872.28	8,594.52	8,521.83	72.69	118.232		
7,800.00	7,541.59	14,842.00	7,838.79	43.09	192.01	-39.24	-3,077.00	8,872.28	8,580.27	8,507.44	72.83	117.816		
7,850.00	7,587.55	14,842.00	7,838.79	43.39	192.01	-31.14	-3,077.00	8,872.28	8,562.19	8,489.23	72.96	117.350		
7,900.00	7,632.06	14,842.00	7,838.79	43.70	192.01	-25.16	-3,077.00	8,872.28	8,540.38	8,467.28	73.10	116.835		
7,950.00	7,674.78	14,842.00	7,838.79	44.01	192.01	-20.58	-3,077.00	8,872.28	8,514.99	8,441.76	73.23	116.278		
8,000.00	7,715.39	14,842.00	7,838.79	44.33	192.01	-16.93	-3,077.00	8,872.28	8,486.18	8,412.82	73.36	115.682		
8,050.00	7,753.58	14,842.00	7,838.79	44.64	192.01	-13.88	-3,077.00	8,872.28	8,454.14	8,380.66	73.48	115.052		
8,100.00	7,789.06	14,842.00	7,838.79	44.95	192.01	-11.19	-3,077.00	8,872.28	8,419.06	8,345.46	73.60	114.394		
8,150.00	7,821.55	14,842.00	7,838.79	45.26	192.01	-8.66	-3,077.00	8,872.28	8,381.19	8,307.49	73.70	113.713		
8,200.00	7,850.82	14,842.00	7,838.79	45.57	192.01	-6.12	-3,077.00	8,872.28	8,340.77	8,266.97	73.80	113.014		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - EXIST HZ MONTEZUMA 4-64 18-13 4H - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 2176-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
8,250.00	7,876.63	14,842.00	7,838.79	45.89	192.01	-3.32	-3,077.00	8,872.28	8,298.09	8,224.20	73.89	112.302		
8,300.00	7,898.79	14,842.00	7,838.79	46.21	192.01	0.06	-3,077.00	8,872.28	8,253.42	8,179.45	73.97	111.581		
8,350.00	7,917.13	14,842.00	7,838.79	46.53	192.01	4.58	-3,077.00	8,872.28	8,207.08	8,133.05	74.03	110.857		
8,400.00	7,931.52	14,842.00	7,838.79	46.86	192.01	11.44	-3,077.00	8,872.28	8,159.40	8,085.32	74.09	110.134		
8,450.00	7,941.84	14,842.00	7,838.79	47.20	192.01	23.35	-3,077.00	8,872.28	8,110.73	8,036.60	74.13	109.414		
8,500.00	7,948.02	14,842.00	7,838.79	47.54	192.01	46.62	-3,077.00	8,872.28	8,061.40	7,987.24	74.16	108.701		
8,548.56	7,950.00	14,842.00	7,838.79	47.88	192.01	83.59	-3,077.00	8,872.28	8,013.24	7,939.05	74.18	108.017		
8,600.00	7,950.00	14,842.00	7,838.79	48.26	192.01	83.59	-3,077.00	8,872.28	7,962.19	7,887.98	74.21	107.297		
8,700.00	7,950.00	14,842.00	7,838.79	49.08	192.01	83.59	-3,077.00	8,872.28	7,862.98	7,788.73	74.25	105.894		
8,800.00	7,950.00	14,842.00	7,838.79	50.02	192.01	83.59	-3,077.00	8,872.28	7,763.79	7,689.48	74.31	104.484		
8,900.00	7,950.00	14,842.00	7,838.79	51.07	192.01	83.59	-3,077.00	8,872.28	7,664.62	7,590.26	74.36	103.068		
9,000.00	7,950.00	14,842.00	7,838.79	52.25	192.01	83.59	-3,077.00	8,872.28	7,565.47	7,491.04	74.43	101.645		
9,100.00	7,950.00	14,842.00	7,838.79	53.55	192.01	83.59	-3,077.00	8,872.28	7,466.35	7,391.85	74.50	100.216		
9,200.00	7,950.00	14,842.00	7,838.79	54.97	192.01	83.59	-3,077.00	8,872.28	7,367.25	7,292.67	74.58	98.780		
9,300.00	7,950.00	14,842.00	7,838.79	56.50	192.01	83.59	-3,077.00	8,872.28	7,268.17	7,193.50	74.67	97.337		
9,400.00	7,950.00	14,842.00	7,838.79	58.13	192.01	83.59	-3,077.00	8,872.28	7,169.12	7,094.36	74.77	95.887		
9,500.00	7,950.00	14,842.00	7,838.79	59.85	192.01	83.59	-3,077.00	8,872.28	7,070.10	6,995.23	74.87	94.429		
9,600.00	7,950.00	14,842.00	7,838.79	61.66	192.01	83.59	-3,077.00	8,872.28	6,971.10	6,896.11	74.99	92.964		
9,700.00	7,950.00	14,842.00	7,838.79	63.55	192.01	83.59	-3,077.00	8,872.28	6,872.13	6,797.02	75.11	91.491		
9,800.00	7,950.00	14,842.00	7,838.79	65.51	192.01	83.59	-3,077.00	8,872.28	6,773.20	6,697.95	75.25	90.009		
9,900.00	7,950.00	14,842.00	7,838.79	67.52	192.01	83.59	-3,077.00	8,872.28	6,674.29	6,598.89	75.40	88.520		
10,000.00	7,950.00	14,842.00	7,838.79	69.60	192.01	83.59	-3,077.00	8,872.28	6,575.42	6,499.86	75.56	87.022		
10,100.00	7,950.00	14,842.00	7,838.79	71.72	192.01	83.59	-3,077.00	8,872.28	6,476.58	6,400.85	75.74	85.515		
10,200.00	7,950.00	14,842.00	7,838.79	73.89	192.01	83.59	-3,077.00	8,872.28	6,377.78	6,301.86	75.93	83.999		
10,300.00	7,950.00	14,842.00	7,838.79	76.09	192.01	83.59	-3,077.00	8,872.28	6,279.02	6,202.89	76.13	82.474		
10,400.00	7,950.00	14,842.00	7,838.79	78.34	192.01	83.59	-3,077.00	8,872.28	6,180.30	6,103.94	76.36	80.940		
10,500.00	7,950.00	14,842.00	7,838.79	80.61	192.01	83.59	-3,077.00	8,872.28	6,081.61	6,005.02	76.60	79.396		
10,600.00	7,950.00	14,842.00	7,838.79	82.91	192.01	83.59	-3,077.00	8,872.28	5,982.98	5,906.12	76.86	77.842		
10,700.00	7,950.00	14,842.00	7,838.79	85.24	192.01	83.59	-3,077.00	8,872.28	5,884.39	5,807.24	77.14	76.277		
10,800.00	7,950.00	14,842.00	7,838.79	87.60	192.01	83.59	-3,077.00	8,872.28	5,785.84	5,708.39	77.45	74.703		
10,900.00	7,950.00	14,842.00	7,838.79	89.97	192.01	83.59	-3,077.00	8,872.28	5,687.35	5,609.57	77.78	73.118		
11,000.00	7,950.00	14,842.00	7,838.79	92.37	192.01	83.59	-3,077.00	8,872.28	5,588.91	5,510.77	78.14	71.522		
11,100.00	7,950.00	14,842.00	7,838.79	94.78	192.01	83.59	-3,077.00	8,872.28	5,490.53	5,412.00	78.53	69.915		
11,200.00	7,950.00	14,842.00	7,838.79	97.21	192.01	83.59	-3,077.00	8,872.28	5,392.20	5,313.25	78.95	68.297		
11,300.00	7,950.00	14,842.00	7,838.79	99.65	192.01	83.59	-3,077.00	8,872.28	5,293.94	5,214.54	79.41	66.668		
11,400.00	7,950.00	14,842.00	7,838.79	102.11	192.01	83.59	-3,077.00	8,872.28	5,195.75	5,115.85	79.90	65.027		
11,500.00	7,950.00	14,842.00	7,838.79	104.58	192.01	83.59	-3,077.00	8,872.28	5,097.63	5,017.19	80.44	63.376		
11,600.00	7,950.00	14,842.00	7,838.79	107.07	192.01	83.59	-3,077.00	8,872.28	4,999.58	4,918.56	81.01	61.713		
11,700.00	7,950.00	14,842.00	7,838.79	109.56	192.01	83.59	-3,077.00	8,872.28	4,901.61	4,819.97	81.64	60.039		
11,800.00	7,950.00	14,842.00	7,838.79	112.07	192.01	83.59	-3,077.00	8,872.28	4,803.72	4,721.40	82.32	58.353		
11,900.00	7,950.00	14,842.00	7,838.79	114.58	192.01	83.59	-3,077.00	8,872.28	4,705.92	4,622.86	83.06	56.658		
12,000.00	7,950.00	14,842.00	7,838.79	117.10	192.01	83.59	-3,077.00	8,872.28	4,608.22	4,524.36	83.86	54.952		
12,100.00	7,950.00	14,842.00	7,838.79	119.63	192.01	83.59	-3,077.00	8,872.28	4,510.62	4,425.89	84.73	53.236		
12,200.00	7,950.00	14,842.00	7,838.79	122.17	192.01	83.59	-3,077.00	8,872.28	4,413.12	4,327.45	85.67	51.512		
12,300.00	7,950.00	14,842.00	7,838.79	124.72	192.01	83.59	-3,077.00	8,872.28	4,315.74	4,229.04	86.70	49.780		
12,400.00	7,950.00	14,842.00	7,838.79	127.27	192.01	83.59	-3,077.00	8,872.28	4,218.48	4,130.67	87.81	48.040		
12,500.00	7,950.00	14,842.00	7,838.79	129.82	192.01	83.59	-3,077.00	8,872.28	4,121.35	4,032.33	89.02	46.295		
12,600.00	7,950.00	14,842.00	7,838.79	132.39	192.01	83.59	-3,077.00	8,872.28	4,024.37	3,934.03	90.34	44.547		
12,700.00	7,950.00	14,842.00	7,838.79	134.96	192.01	83.59	-3,077.00	8,872.28	3,927.53	3,835.76	91.77	42.795		
12,800.00	7,950.00	14,842.00	7,838.79	137.53	192.01	83.59	-3,077.00	8,872.28	3,830.86	3,737.52	93.34	41.044		
12,900.00	7,950.00	14,842.00	7,838.79	140.11	192.01	83.59	-3,077.00	8,872.28	3,734.36	3,639.33	95.03	39.295		
13,000.00	7,950.00	14,842.00	7,838.79	142.69	192.01	83.59	-3,077.00	8,872.28	3,638.05	3,541.17	96.88	37.550		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - EXIST HZ MONTEZUMA 4-64 18-13 4H - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 2176-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
13,100.00	7,950.00	14,842.00	7,838.79	145.28	192.01	83.59	-3,077.00	8,872.28	3,541.95	3,443.05	98.90	35.814		
13,200.00	7,950.00	14,842.00	7,838.79	147.87	192.01	83.59	-3,077.00	8,872.28	3,446.07	3,344.97	101.09	34.088		
13,300.00	7,950.00	14,842.00	7,838.79	150.47	192.01	83.59	-3,077.00	8,872.28	3,350.43	3,246.94	103.49	32.376		
13,400.00	7,950.00	14,842.00	7,838.79	153.07	192.01	83.59	-3,077.00	8,872.28	3,255.05	3,148.96	106.09	30.682		
13,500.00	7,950.00	14,842.00	7,838.79	155.67	192.01	83.59	-3,077.00	8,872.28	3,159.95	3,051.02	108.93	29.009		
13,600.00	7,950.00	14,842.00	7,838.79	158.28	192.01	83.59	-3,077.00	8,872.28	3,065.17	2,953.15	112.02	27.362		
13,700.00	7,950.00	14,842.00	7,838.79	160.88	192.01	83.59	-3,077.00	8,872.28	2,970.73	2,855.34	115.39	25.745		
13,800.00	7,950.00	14,842.00	7,838.79	163.50	192.01	83.59	-3,077.00	8,872.28	2,876.67	2,757.61	119.06	24.161		
13,900.00	7,950.00	14,842.00	7,838.79	166.11	192.01	83.59	-3,077.00	8,872.28	2,783.02	2,659.96	123.07	22.614		
14,000.00	7,950.00	14,842.00	7,838.79	168.73	192.01	83.59	-3,077.00	8,872.28	2,689.83	2,562.40	127.43	21.109		
14,100.00	7,950.00	14,842.00	7,838.79	171.35	192.01	83.59	-3,077.00	8,872.28	2,597.15	2,464.96	132.18	19.648		
14,200.00	7,950.00	14,842.00	7,838.79	173.97	192.01	83.59	-3,077.00	8,872.28	2,505.02	2,367.66	137.36	18.236		
14,300.00	7,950.00	14,842.00	7,838.79	176.59	192.01	83.59	-3,077.00	8,872.28	2,413.53	2,270.51	143.01	16.876		
14,400.00	7,950.00	14,842.00	7,838.79	179.22	192.01	83.59	-3,077.00	8,872.28	2,322.73	2,173.56	149.18	15.570		
14,500.00	7,950.00	14,842.00	7,838.79	181.85	192.01	83.59	-3,077.00	8,872.28	2,232.73	2,076.83	155.90	14.322		
14,600.00	7,950.00	14,842.00	7,838.79	184.48	192.01	83.59	-3,077.00	8,872.28	2,143.61	1,980.37	163.23	13.132		
14,700.00	7,950.00	14,842.00	7,838.79	187.11	192.01	83.59	-3,077.00	8,872.28	2,055.49	1,884.25	171.23	12.004		
14,800.00	7,950.00	14,842.00	7,838.79	189.75	192.01	83.59	-3,077.00	8,872.28	1,968.50	1,788.54	179.96	10.939		
14,900.00	7,950.00	14,842.00	7,838.79	192.38	192.01	83.59	-3,077.00	8,872.28	1,882.81	1,693.32	189.48	9.936		
15,000.00	7,950.00	14,842.00	7,838.79	195.02	192.01	83.59	-3,077.00	8,872.28	1,798.60	1,598.73	199.87	8.999		
15,100.00	7,950.00	14,842.00	7,838.79	197.66	192.01	83.59	-3,077.00	8,872.28	1,716.08	1,504.89	211.19	8.126		
15,200.00	7,950.00	14,842.00	7,838.79	200.30	192.01	83.59	-3,077.00	8,872.28	1,635.51	1,412.01	223.50	7.318		
15,300.00	7,950.00	14,842.00	7,838.79	202.94	192.01	83.59	-3,077.00	8,872.28	1,557.20	1,320.34	236.86	6.574		
15,400.00	7,950.00	14,842.00	7,838.79	205.59	192.01	83.59	-3,077.00	8,872.28	1,481.50	1,230.19	251.32	5.895		
15,500.00	7,950.00	14,842.00	7,838.79	208.23	192.01	83.59	-3,077.00	8,872.28	1,408.84	1,141.96	266.87	5.279		
15,600.00	7,950.00	14,842.00	7,838.79	210.88	192.01	83.59	-3,077.00	8,872.28	1,339.70	1,056.21	283.50	4.726		
15,700.00	7,950.00	14,842.00	7,838.79	213.52	192.01	83.59	-3,077.00	8,872.28	1,274.67	973.59	301.08	4.234		
15,800.00	7,950.00	14,842.00	7,838.79	216.17	192.01	83.59	-3,077.00	8,872.28	1,214.39	894.98	319.42	3.802		
15,900.00	7,950.00	14,842.00	7,838.79	218.82	192.01	83.59	-3,077.00	8,872.28	1,159.62	821.44	338.18	3.429		
16,000.00	7,950.00	14,842.00	7,838.79	221.47	192.01	83.59	-3,077.00	8,872.28	1,111.17	754.28	356.89	3.114		
16,100.00	7,950.00	14,842.00	7,838.79	224.13	192.01	83.59	-3,077.00	8,872.28	1,069.90	695.01	374.89	2.854		
16,200.00	7,950.00	14,842.00	7,838.79	226.78	192.01	83.59	-3,077.00	8,872.28	1,036.66	645.25	391.40	2.649		
16,300.00	7,950.00	14,842.00	7,838.79	229.43	192.01	83.59	-3,077.00	8,872.28	1,012.24	606.68	405.56	2.496		
16,400.00	7,950.00	14,842.00	7,838.79	232.09	192.01	83.59	-3,077.00	8,872.28	997.30	580.77	416.53	2.394		
16,500.00	7,950.00	14,825.29	7,838.51	234.75	191.56	83.57	-3,076.87	8,888.99	992.12	569.36	422.76	2.347		
16,600.00	7,950.00	14,726.78	7,836.76	237.40	188.93	83.46	-3,076.16	8,987.48	990.46	567.70	422.76	2.343		
16,700.00	7,950.00	14,630.67	7,834.70	240.06	186.36	83.33	-3,075.70	9,083.56	989.11	566.22	422.89	2.339		
16,800.00	7,950.00	14,520.60	7,834.13	242.72	183.43	83.28	-3,074.69	9,193.63	987.08	564.82	422.27	2.338		
16,900.00	7,950.00	14,407.32	7,832.79	245.38	180.41	83.18	-3,072.82	9,306.88	984.48	563.12	421.36	2.336		
17,000.00	7,950.00	14,302.10	7,832.11	248.04	177.61	83.11	-3,069.73	9,412.06	980.50	559.54	420.96	2.329		
17,100.00	7,950.00	14,216.82	7,831.13	250.70	175.34	83.04	-3,067.94	9,497.31	977.39	555.52	421.87	2.317		
17,200.00	7,950.00	14,113.13	7,831.18	253.36	172.58	83.02	-3,066.22	9,600.97	974.60	552.98	421.62	2.312		
17,300.00	7,950.00	14,017.86	7,831.16	256.02	170.04	83.00	-3,064.73	9,696.24	971.92	550.01	421.91	2.304		
17,400.00	7,950.00	13,923.12	7,830.77	258.69	167.52	82.96	-3,063.46	9,790.97	969.51	547.30	422.21	2.296		
17,500.00	7,950.00	13,835.44	7,829.73	261.35	165.18	82.89	-3,063.49	9,878.64	968.52	545.65	422.87	2.290		
17,600.00	7,950.00	13,733.87	7,826.99	264.01	162.47	82.72	-3,063.44	9,980.17	967.68	545.02	422.66	2.289		
17,660.85	7,950.00	13,680.77	7,825.05	265.64	161.06	82.60	-3,063.54	10,033.23	967.38	544.40	422.99	2.287 CC		
17,700.00	7,950.00	13,652.46	7,824.00	266.68	160.30	82.54	-3,063.88	10,061.53	967.60	544.12	423.48	2.285 ES, SF		
17,800.00	7,950.00	13,584.61	7,822.27	269.34	158.49	82.45	-3,066.41	10,129.29	970.46	545.76	424.70	2.285		
17,900.00	7,950.00	13,490.64	7,821.12	272.01	155.98	82.42	-3,071.84	10,223.11	975.22	550.36	424.86	2.295		
18,000.00	7,950.00	13,402.52	7,819.51	274.68	153.62	82.37	-3,077.91	10,311.00	981.12	555.98	425.14	2.308		
18,100.00	7,950.00	13,304.30	7,818.69	277.34	151.00	82.37	-3,085.56	10,408.92	987.82	562.64	425.18	2.323		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design		SEC 15-T4S-R65W - EXIST HZ MONTEZUMA 4-64 18-13 4H - OWB - FINAL SURVEY										Offset Site Error:	0.00 usft
Survey Program: 2176-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
18,200.00	7,950.00	13,209.31	7,818.24	280.01	148.46	82.39	-3,093.02	10,503.60	994.53	569.22	425.31	2.338	
18,300.00	7,950.00	13,076.85	7,816.93	282.68	144.93	82.37	-3,101.25	10,635.80	999.66	575.30	424.36	2.356	
18,400.00	7,950.00	12,974.62	7,815.22	285.35	142.20	82.30	-3,105.96	10,737.91	1,003.33	579.10	424.23	2.365	
18,456.97	7,950.00	12,908.93	7,814.33	286.87	140.45	82.26	-3,108.46	10,803.54	1,004.93	581.05	423.87	2.371	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - EXIST HZ PROSPER FARMS 4-65 13-14 1H - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 2310-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	2,218.00	2,217.98	0.00	0.00	113.96	-422.64	950.94	2,453.05					
100.00	100.00	2,218.00	2,217.98	0.13	0.00	113.96	-422.64	950.94	2,362.87	2,360.81	2.07	1,144.106		
200.00	200.00	2,218.00	2,217.98	0.49	0.00	113.96	-422.64	950.94	2,273.52	2,271.45	2.06	1,101.487		
250.00	250.00	2,218.00	2,217.98	0.67	0.00	113.96	-422.64	950.94	2,229.18	2,227.11	2.07	1,076.869		
300.00	300.00	2,218.00	2,217.98	0.84	0.00	-56.54	-422.64	950.94	2,184.97	2,182.88	2.09	1,047.793		
400.00	399.93	2,218.00	2,217.98	1.18	0.00	-59.74	-422.64	950.94	2,096.64	2,094.51	2.13	982.535		
500.00	499.68	2,218.00	2,217.98	1.54	0.00	-63.00	-422.64	950.94	2,008.54	2,006.33	2.21	909.825		
600.00	599.13	2,218.00	2,217.98	1.91	0.00	-66.31	-422.64	950.94	1,920.82	1,918.52	2.30	833.849		
700.00	698.15	2,218.00	2,217.98	2.31	0.00	-69.61	-422.64	950.94	1,833.64	1,831.22	2.43	755.907		
800.00	796.63	2,218.00	2,217.98	2.74	0.00	-72.86	-422.64	950.94	1,747.20	1,744.62	2.58	677.278		
900.00	894.44	2,218.00	2,217.98	3.20	0.00	-76.03	-422.64	950.94	1,661.73	1,658.96	2.77	599.298		
1,000.00	991.46	2,218.00	2,217.98	3.70	0.00	-79.09	-422.64	950.94	1,577.50	1,574.49	3.01	523.405		
1,026.71	1,017.23	2,218.00	2,217.98	3.84	0.00	-79.88	-422.64	950.94	1,555.26	1,552.17	3.09	503.374		
1,100.00	1,087.84	2,218.00	2,217.98	4.23	0.00	-79.88	-422.64	950.94	1,494.92	1,491.61	3.31	451.604		
1,200.00	1,184.19	2,218.00	2,217.98	4.78	0.00	-79.88	-422.64	950.94	1,414.58	1,410.92	3.66	386.143		
1,300.00	1,280.54	2,218.00	2,217.98	5.33	0.00	-79.88	-422.64	950.94	1,336.89	1,332.81	4.08	327.638		
1,400.00	1,376.88	2,218.00	2,217.98	5.89	0.00	-79.88	-422.64	950.94	1,262.34	1,257.78	4.56	276.562		
1,500.00	1,473.23	2,218.00	2,217.98	6.45	0.00	-79.88	-422.64	950.94	1,191.53	1,186.42	5.12	232.826		
1,600.00	1,569.58	2,218.00	2,217.98	7.02	0.00	-79.88	-422.64	950.94	1,125.16	1,119.42	5.74	195.999		
1,700.00	1,665.92	2,218.00	2,217.98	7.59	0.00	-79.88	-422.64	950.94	1,064.06	1,057.63	6.43	165.471		
1,800.00	1,762.27	2,218.00	2,217.98	8.16	0.00	-79.88	-422.64	950.94	1,009.19	1,002.01	7.18	140.569		
1,900.00	1,858.62	2,218.00	2,217.98	8.73	0.00	-79.88	-422.64	950.94	961.61	953.64	7.97	120.627		
2,000.00	1,954.97	2,218.00	2,217.98	9.31	0.00	-79.88	-422.64	950.94	922.46	913.68	8.78	105.022		
2,100.00	2,051.31	2,218.00	2,217.98	9.88	0.00	-79.88	-422.64	950.94	892.85	883.27	9.58	93.190		
2,200.00	2,147.66	2,218.00	2,217.98	10.46	0.00	-79.88	-422.64	950.94	873.74	863.41	10.32	84.628		
2,300.00	2,244.01	2,238.90	2,238.88	11.04	0.04	-80.23	-422.74	950.98	865.57	854.56	11.01	78.619		
2,400.00	2,340.35	2,333.73	2,333.71	11.62	0.25	-81.87	-423.26	951.23	861.51	849.70	11.82	72.908		
2,500.00	2,436.70	2,425.80	2,425.76	12.19	0.57	-83.58	-421.99	951.74	858.65	845.91	12.73	67.428		
2,600.00	2,533.05	2,518.80	2,518.69	12.77	0.90	-85.46	-418.38	952.38	857.11	843.45	13.66	62.759		
2,665.54	2,596.20	2,579.99	2,579.81	13.15	1.12	-86.74	-415.37	952.86	856.81	842.55	14.26	60.069 CC		
2,700.00	2,629.39	2,615.03	2,614.80	13.35	1.24	-87.48	-413.56	953.12	856.86	842.27	14.59	58.717		
2,800.00	2,725.74	2,720.24	2,719.84	13.93	1.63	-89.73	-407.79	952.87	856.91	841.35	15.56	55.078		
2,900.00	2,822.09	2,818.68	2,818.12	14.51	1.99	-91.86	-402.16	951.83	857.44	840.95	16.49	51.992 ES		
3,000.00	2,918.44	2,914.00	2,913.27	15.09	2.33	-93.92	-396.60	950.52	858.93	841.53	17.40	49.351		
3,100.00	3,014.78	3,007.68	3,006.78	15.67	2.68	-95.94	-391.22	949.33	861.73	843.43	18.30	47.088		
3,200.00	3,111.13	3,101.59	3,100.53	16.25	3.02	-97.95	-385.79	948.18	865.77	846.59	19.18	45.128		
3,300.00	3,207.48	3,191.32	3,190.11	16.84	3.35	-99.84	-380.61	947.30	871.22	851.18	20.04	43.480		
3,400.00	3,303.82	3,278.49	3,277.18	17.42	3.67	-101.59	-376.38	947.66	878.69	857.82	20.86	42.116		
3,500.00	3,400.17	3,373.50	3,372.09	18.00	4.02	-103.41	-372.30	948.66	887.52	865.81	21.71	40.884		
3,600.00	3,496.52	3,471.48	3,469.99	18.58	4.37	-105.23	-368.53	949.78	897.20	874.64	22.55	39.779		
3,700.00	3,592.87	3,571.19	3,569.63	19.16	4.73	-107.07	-364.55	950.28	907.30	883.91	23.40	38.780		
3,800.00	3,689.21	3,667.72	3,666.08	19.74	5.08	-108.82	-360.72	950.49	918.07	893.86	24.21	37.919		
3,900.00	3,785.56	3,764.11	3,762.41	20.33	5.43	-110.50	-357.38	950.83	929.57	904.55	25.02	37.160		
4,000.00	3,881.91	3,858.70	3,856.95	20.91	5.77	-112.10	-354.22	951.20	941.84	916.04	25.80	36.507		
4,100.00	3,978.25	3,953.14	3,951.32	21.49	6.11	-113.66	-350.93	951.70	955.08	928.51	26.57	35.944		
4,200.00	4,074.60	4,050.47	4,048.57	22.07	6.46	-115.27	-346.98	951.67	968.97	941.63	27.35	35.435		
4,300.00	4,170.95	4,148.45	4,146.48	22.65	6.82	-116.85	-343.24	951.52	983.39	955.28	28.11	34.980		
4,400.00	4,267.29	4,242.28	4,240.25	23.24	7.16	-118.29	-340.07	951.48	998.33	969.48	28.85	34.601		
4,500.00	4,363.64	4,333.57	4,331.48	23.82	7.49	-119.68	-336.35	951.48	1,014.41	984.84	29.57	34.309		
4,600.00	4,459.99	4,432.07	4,429.90	24.40	7.85	-121.12	-332.57	951.72	1,031.17	1,000.85	30.31	34.017		
4,700.00	4,556.34	4,526.74	4,524.52	24.98	8.19	-122.42	-329.62	952.10	1,048.16	1,017.12	31.04	33.773		
4,800.00	4,652.68	4,616.76	4,614.46	25.57	8.51	-123.67	-325.93	952.32	1,066.27	1,034.55	31.72	33.614		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - EXIST HZ PROSPER FARMS 4-65 13-14 1H - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 2310-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,900.00	4,749.03	4,712.77	4,710.39	26.15	8.86	-124.97	-321.72	952.42	1,085.05	1,052.62	32.43	33.456		
5,000.00	4,845.38	4,810.39	4,807.91	26.73	9.22	-126.26	-317.39	952.27	1,104.25	1,071.10	33.15	33.314		
5,100.00	4,941.72	4,909.72	4,907.16	27.32	9.58	-127.50	-313.50	952.21	1,123.66	1,089.79	33.87	33.178		
5,200.00	5,038.07	5,011.19	5,008.58	27.90	9.95	-128.70	-310.25	952.35	1,143.15	1,108.55	34.60	33.038		
5,300.00	5,134.42	5,104.86	5,102.21	28.48	10.28	-129.76	-307.79	952.58	1,162.70	1,127.41	35.29	32.949		
5,400.00	5,230.76	5,206.25	5,203.55	29.06	10.65	-130.89	-304.57	952.54	1,182.92	1,146.90	36.01	32.847		
5,500.00	5,327.11	5,304.12	5,301.40	29.65	11.00	-131.93	-302.21	952.20	1,202.75	1,166.03	36.72	32.758		
5,600.00	5,423.46	5,393.29	5,390.53	30.23	11.32	-132.88	-299.52	951.66	1,223.28	1,185.92	37.36	32.741		
5,700.00	5,519.81	5,468.73	5,465.89	30.81	11.59	-133.68	-296.43	951.10	1,245.04	1,207.13	37.92	32.835		
5,800.00	5,616.15	5,537.13	5,534.16	31.40	11.85	-134.41	-292.13	951.04	1,269.18	1,230.77	38.41	33.041		
5,900.00	5,712.50	5,613.18	5,609.98	31.98	12.13	-135.21	-286.15	951.42	1,295.28	1,256.33	38.95	33.258		
6,000.00	5,808.85	5,700.65	5,697.09	32.56	12.46	-136.11	-278.44	952.13	1,322.64	1,283.09	39.56	33.438		
6,100.00	5,905.19	5,829.08	5,825.10	33.15	12.94	-137.39	-268.00	952.19	1,349.49	1,309.04	40.45	33.361		
6,200.00	6,001.54	5,961.65	5,957.43	33.73	13.42	-138.64	-260.34	950.45	1,374.11	1,332.75	41.35	33.228		
6,300.00	6,097.89	6,103.61	6,099.34	34.31	13.92	-139.83	-257.30	948.44	1,395.87	1,353.58	42.29	33.007		
6,400.00	6,194.24	6,203.49	6,199.21	34.90	14.26	-140.58	-257.29	947.40	1,416.28	1,373.30	42.98	32.952		
6,500.00	6,290.58	6,298.68	6,294.40	35.48	14.58	-141.27	-257.53	946.56	1,436.76	1,393.12	43.64	32.920		
6,600.00	6,386.93	6,384.50	6,380.22	36.06	14.87	-141.85	-257.59	946.43	1,457.90	1,413.64	44.26	32.939		
6,700.00	6,483.28	6,470.77	6,466.48	36.65	15.16	-142.41	-257.25	946.86	1,479.90	1,435.01	44.89	32.970		
6,800.00	6,579.62	6,559.64	6,555.34	37.23	15.47	-142.95	-256.60	947.87	1,502.62	1,457.09	45.53	33.002		
6,900.00	6,675.97	6,681.37	6,677.07	37.81	15.88	-143.67	-256.74	948.86	1,524.53	1,478.17	46.36	32.884		
7,000.00	6,772.32	6,761.03	6,756.73	38.40	16.15	-144.13	-256.75	949.33	1,546.67	1,499.73	46.94	32.948		
7,100.00	6,868.66	6,836.33	6,832.01	38.98	16.41	-144.57	-255.88	950.06	1,570.14	1,522.64	47.50	33.055		
7,200.00	6,965.01	6,956.09	6,951.76	39.56	16.84	-145.24	-254.46	951.03	1,593.71	1,545.37	48.34	32.968		
7,300.00	7,061.36	7,055.83	7,051.50	40.15	17.18	-145.78	-254.18	951.66	1,616.53	1,567.48	49.05	32.957		
7,400.00	7,157.71	7,153.24	7,148.91	40.73	17.51	-146.28	-254.16	952.51	1,639.34	1,589.60	49.74	32.955		
7,500.00	7,254.05	7,223.00	7,218.66	41.31	17.75	-146.62	-254.21	953.31	1,662.47	1,612.21	50.27	33.073		
7,600.00	7,350.40	7,290.87	7,286.08	41.90	17.98	-146.73	-255.39	960.12	1,687.29	1,636.49	50.80	33.212		
7,679.74	7,427.23	7,340.78	7,334.44	42.36	18.14	-146.57	-257.62	972.20	1,708.88	1,657.64	51.24	33.350		
7,700.00	7,446.72	7,346.00	7,339.44	42.48	18.16	-139.08	-257.91	973.68	1,714.43	1,663.14	51.28	33.429		
7,750.00	7,494.53	7,377.00	7,368.99	42.78	18.26	-123.08	-259.32	982.95	1,727.49	1,675.93	51.56	33.505		
7,800.00	7,541.59	7,388.63	7,380.02	43.09	18.30	-111.03	-259.68	986.59	1,739.62	1,687.98	51.64	33.685		
7,850.00	7,587.55	7,409.00	7,399.29	43.39	18.36	-102.19	-260.04	993.20	1,750.84	1,699.04	51.80	33.799		
7,900.00	7,632.06	7,426.96	7,416.17	43.70	18.42	-95.67	-260.17	999.33	1,761.01	1,709.08	51.93	33.911		
7,950.00	7,674.78	7,453.71	7,441.07	44.01	18.51	-90.85	-260.20	1,009.10	1,770.01	1,717.86	52.15	33.938		
8,000.00	7,715.39	7,493.36	7,477.52	44.33	18.64	-87.35	-260.38	1,024.70	1,777.47	1,724.93	52.54	33.833		
8,050.00	7,753.58	7,519.48	7,501.24	44.64	18.74	-84.66	-260.60	1,035.63	1,783.31	1,730.54	52.78	33.789		
8,100.00	7,789.06	7,535.00	7,515.18	44.95	18.79	-82.53	-260.65	1,042.46	1,787.94	1,735.04	52.90	33.796		
8,150.00	7,821.55	7,554.24	7,532.24	45.26	18.87	-80.98	-260.53	1,051.34	1,791.43	1,738.33	53.10	33.740		
8,200.00	7,850.82	7,566.00	7,542.55	45.57	18.91	-79.76	-260.33	1,057.00	1,793.86	1,740.65	53.21	33.714		
8,250.00	7,876.63	7,586.04	7,559.88	45.89	19.00	-79.03	-259.81	1,067.05	1,795.20	1,741.73	53.46	33.578		
8,300.00	7,898.79	7,605.07	7,576.07	46.21	19.08	-78.62	-259.14	1,077.03	1,795.46	1,741.72	53.74	33.408		
8,350.00	7,917.13	7,637.87	7,603.34	46.53	19.23	-78.76	-258.02	1,095.23	1,794.51	1,740.24	54.27	33.067		
8,400.00	7,931.52	7,719.50	7,667.29	46.86	19.64	-80.10	-258.13	1,145.85	1,791.41	1,735.79	55.61	32.213		
8,450.00	7,941.84	7,743.07	7,684.41	47.20	19.78	-80.67	-258.82	1,162.03	1,786.76	1,730.62	56.14	31.827		
8,500.00	7,948.02	7,755.00	7,692.79	47.54	19.85	-81.24	-259.16	1,170.51	1,781.24	1,724.72	56.52	31.513		
8,548.56	7,950.00	7,778.08	7,708.41	47.88	20.00	-82.22	-259.71	1,187.49	1,775.10	1,717.96	57.14	31.067		
8,600.00	7,950.00	7,796.54	7,720.32	48.26	20.12	-82.60	-260.03	1,201.60	1,768.82	1,711.10	57.72	30.642		
8,700.00	7,950.00	7,836.19	7,744.13	49.08	20.41	-83.37	-260.43	1,233.28	1,759.55	1,700.52	59.03	29.807		
8,800.00	7,950.00	7,872.60	7,763.79	50.02	20.71	-84.01	-260.29	1,263.92	1,754.14	1,693.74	60.39	29.045		
8,884.52	7,950.00	7,902.90	7,778.40	50.90	20.98	-84.49	-259.59	1,290.45	1,752.65	1,691.02	61.62	28.442		
8,900.00	7,950.00	7,912.00	7,782.46	51.07	21.07	-84.63	-259.27	1,298.59	1,752.68	1,690.76	61.92	28.307		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - EXIST HZ PROSPER FARMS 4-65 13-14 1H - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 2310-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,000.00	7,950.00	7,968.77	7,804.05	52.25	21.66	-85.34	-256.92	1,351.00	1,754.52	1,690.59	63.92	27.447		
9,100.00	7,950.00	8,055.61	7,825.38	53.55	22.70	-86.04	-253.12	1,435.00	1,758.22	1,691.44	66.78	26.330		
9,200.00	7,950.00	8,160.06	7,835.86	54.97	24.17	-86.39	-249.68	1,538.78	1,762.00	1,691.73	70.26	25.077		
9,300.00	7,950.00	8,232.79	7,836.01	56.50	25.30	-86.41	-247.26	1,611.46	1,766.45	1,693.35	73.10	24.166		
9,400.00	7,950.00	8,415.96	7,834.81	58.13	28.56	-86.38	-244.03	1,794.57	1,769.44	1,690.13	79.30	22.312		
9,500.00	7,950.00	8,517.02	7,833.13	59.85	30.55	-86.32	-244.88	1,895.61	1,769.84	1,686.42	83.42	21.216		
9,600.00	7,950.00	8,608.71	7,832.26	61.66	32.44	-86.30	-245.36	1,987.30	1,770.53	1,683.13	87.40	20.259		
9,700.00	7,950.00	8,708.12	7,830.42	63.55	34.58	-86.24	-245.50	2,086.69	1,771.64	1,679.91	91.73	19.313		
9,800.00	7,950.00	8,814.90	7,826.90	65.51	36.95	-86.13	-246.16	2,193.41	1,772.38	1,675.97	96.41	18.383		
9,900.00	7,950.00	8,952.29	7,824.44	67.52	40.09	-86.05	-248.22	2,330.75	1,772.23	1,670.01	102.22	17.337		
10,000.00	7,950.00	9,057.35	7,822.53	69.60	42.56	-85.98	-251.34	2,435.75	1,770.52	1,663.46	107.06	16.538		
10,100.00	7,950.00	9,146.08	7,821.26	71.72	44.68	-85.94	-253.72	2,524.44	1,769.09	1,657.68	111.41	15.880		
10,200.00	7,950.00	9,245.93	7,820.44	73.89	47.10	-85.91	-256.03	2,624.26	1,767.98	1,651.79	116.19	15.216		
10,300.00	7,950.00	9,352.94	7,819.74	76.09	49.72	-85.88	-258.76	2,731.23	1,766.62	1,645.35	121.27	14.567		
10,400.00	7,950.00	9,443.75	7,818.51	78.34	51.96	-85.84	-261.29	2,821.99	1,765.10	1,639.27	125.83	14.028		
10,461.48	7,950.00	9,487.18	7,817.60	79.73	53.04	-85.81	-262.08	2,865.41	1,764.78	1,636.58	128.20	13.765		
10,500.00	7,950.00	9,515.91	7,816.89	80.61	53.76	-85.79	-262.37	2,894.13	1,764.90	1,635.16	129.74	13.603		
10,600.00	7,950.00	9,606.81	7,815.25	82.91	56.03	-85.73	-262.78	2,985.01	1,765.72	1,631.37	134.35	13.143		
10,700.00	7,950.00	9,701.17	7,814.02	85.24	58.41	-85.70	-262.77	3,079.37	1,766.96	1,627.85	139.11	12.702		
10,800.00	7,950.00	9,809.19	7,812.96	87.60	61.15	-85.66	-262.84	3,187.38	1,768.11	1,623.70	144.41	12.244		
10,900.00	7,950.00	9,908.89	7,810.77	89.97	63.69	-85.60	-263.31	3,287.06	1,768.94	1,619.53	149.42	11.839		
11,000.00	7,950.00	9,996.65	7,809.71	92.37	65.93	-85.56	-263.18	3,374.80	1,770.32	1,616.31	154.00	11.495		
11,100.00	7,950.00	10,100.24	7,808.04	94.78	68.59	-85.51	-262.92	3,478.38	1,771.83	1,612.63	159.20	11.129		
11,200.00	7,950.00	10,204.26	7,806.78	97.21	71.28	-85.48	-262.72	3,582.39	1,773.27	1,608.83	164.44	10.784		
11,300.00	7,950.00	10,313.32	7,806.77	99.65	74.10	-85.48	-263.03	3,691.45	1,774.11	1,604.22	169.90	10.442		
11,400.00	7,950.00	10,440.32	7,805.47	102.11	77.39	-85.44	-264.31	3,818.43	1,774.39	1,598.38	176.01	10.081		
11,500.00	7,950.00	10,528.11	7,805.25	104.58	79.68	-85.43	-265.91	3,906.21	1,773.76	1,593.05	180.71	9.816		
11,600.00	7,950.00	10,655.36	7,806.06	107.07	83.00	-85.45	-268.12	4,033.44	1,773.18	1,586.31	186.87	9.489		
11,700.00	7,950.00	10,751.78	7,805.42	109.56	85.53	-85.43	-270.81	4,129.81	1,771.60	1,579.69	191.91	9.232		
11,800.00	7,950.00	10,831.00	7,803.84	112.07	87.60	-85.38	-272.45	4,209.00	1,770.80	1,574.49	196.31	9.020		
11,805.11	7,950.00	10,831.00	7,803.84	112.19	87.60	-85.38	-272.45	4,209.00	1,770.80	1,574.41	196.39	9.017		
11,900.00	7,950.00	10,903.75	7,802.29	114.58	89.51	-85.33	-272.98	4,281.73	1,771.36	1,570.91	200.45	8.837		
12,000.00	7,950.00	11,002.60	7,801.35	117.10	92.10	-85.30	-272.72	4,380.58	1,772.84	1,567.24	205.60	8.623		
12,100.00	7,950.00	11,108.40	7,800.86	119.63	94.88	-85.29	-272.76	4,486.37	1,773.98	1,562.96	211.02	8.407		
12,200.00	7,950.00	11,239.20	7,801.38	122.17	98.33	-85.30	-274.24	4,617.15	1,773.92	1,556.52	217.40	8.160		
12,300.00	7,950.00	11,340.16	7,802.20	124.72	101.00	-85.33	-276.15	4,718.10	1,773.10	1,550.43	222.67	7.963		
12,400.00	7,950.00	11,439.96	7,802.13	127.27	103.63	-85.32	-278.05	4,817.88	1,772.35	1,544.46	227.89	7.777		
12,500.00	7,950.00	11,546.17	7,800.92	129.82	106.44	-85.28	-280.35	4,924.06	1,771.42	1,538.08	233.34	7.591		
12,600.00	7,950.00	11,644.14	7,798.88	132.39	109.04	-85.21	-282.82	5,021.97	1,770.22	1,531.74	238.49	7.423		
12,700.00	7,950.00	11,756.42	7,796.97	134.96	112.01	-85.15	-285.57	5,134.20	1,769.09	1,524.94	244.15	7.246		
12,800.00	7,950.00	11,861.68	7,794.09	137.53	114.80	-85.05	-289.08	5,239.36	1,767.13	1,517.58	249.55	7.081		
12,900.00	7,950.00	11,935.63	7,792.54	140.11	116.76	-84.99	-291.07	5,313.26	1,765.79	1,511.95	253.84	6.956		
12,931.55	7,950.00	11,958.18	7,791.97	140.92	117.36	-84.98	-291.44	5,335.80	1,765.70	1,510.54	255.16	6.920		
13,000.00	7,950.00	12,023.97	7,790.40	142.69	119.11	-84.92	-292.25	5,401.57	1,765.78	1,507.14	258.64	6.827		
13,100.00	7,950.00	12,117.49	7,789.12	145.28	121.59	-84.88	-293.21	5,495.07	1,766.02	1,502.39	263.64	6.699		
13,200.00	7,950.00	12,224.65	7,788.60	147.87	124.44	-84.87	-293.98	5,602.23	1,766.50	1,497.33	269.17	6.563		
13,261.91	7,950.00	12,288.07	7,787.64	149.48	126.12	-84.84	-294.82	5,665.64	1,766.47	1,494.00	272.48	6.483		
13,300.00	7,950.00	12,324.27	7,787.36	150.47	127.09	-84.83	-295.24	5,701.83	1,766.49	1,492.09	274.41	6.437		
13,400.00	7,950.00	12,439.72	7,785.85	153.07	130.16	-84.78	-296.97	5,817.26	1,766.27	1,486.03	280.24	6.303		
13,489.12	7,950.00	12,515.33	7,783.98	155.39	132.17	-84.72	-298.28	5,892.83	1,765.95	1,481.54	284.41	6.209		
13,500.00	7,950.00	12,524.65	7,783.78	155.67	132.42	-84.71	-298.40	5,902.15	1,765.96	1,481.04	284.92	6.198		
13,600.00	7,950.00	12,601.74	7,782.77	158.28	134.47	-84.68	-298.82	5,979.23	1,766.68	1,477.38	289.29	6.107		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - EXIST HZ PROSPER FARMS 4-65 13-14 1H - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 2310-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
13,700.00	7,950.00	12,702.93	7,782.61	160.88	137.17	-84.68	-298.39	6,080.42	1,768.25	1,473.63	294.62	6.002		
13,800.00	7,950.00	12,801.38	7,781.56	163.50	139.79	-84.65	-298.33	6,178.86	1,769.55	1,469.72	299.83	5.902		
13,900.00	7,950.00	12,919.30	7,780.58	166.11	142.93	-84.62	-298.58	6,296.77	1,770.58	1,464.77	305.80	5.790		
14,000.00	7,950.00	13,046.85	7,779.67	168.73	146.33	-84.59	-300.93	6,424.29	1,769.88	1,457.77	312.11	5.671		
14,100.00	7,950.00	13,146.15	7,779.13	171.35	148.99	-84.57	-303.29	6,523.56	1,768.70	1,451.33	317.37	5.573		
14,200.00	7,950.00	13,242.05	7,778.99	173.97	151.55	-84.56	-305.38	6,619.44	1,767.68	1,445.17	322.51	5.481		
14,300.00	7,950.00	13,340.73	7,779.77	176.59	154.18	-84.58	-307.23	6,718.10	1,766.87	1,439.09	327.78	5.390		
14,400.00	7,950.00	13,432.22	7,779.57	179.22	156.63	-84.57	-308.95	6,809.57	1,766.18	1,433.42	332.76	5.308		
14,438.05	7,950.00	13,464.34	7,779.42	180.22	157.49	-84.57	-309.38	6,841.69	1,766.11	1,431.56	334.55	5.279		
14,500.00	7,950.00	13,522.29	7,779.26	181.85	159.04	-84.56	-309.97	6,899.64	1,766.21	1,428.52	337.68	5.230		
14,600.00	7,950.00	13,623.42	7,779.73	184.48	161.74	-84.58	-310.81	7,000.76	1,766.47	1,423.43	343.04	5.149		
14,700.00	7,950.00	13,725.24	7,779.63	187.11	164.46	-84.58	-311.92	7,102.58	1,766.53	1,418.11	348.42	5.070		
14,800.00	7,950.00	13,830.04	7,780.88	189.75	167.26	-84.62	-313.02	7,207.36	1,766.52	1,412.59	353.93	4.991		
14,900.00	7,950.00	13,938.17	7,780.74	192.38	170.16	-84.61	-314.75	7,315.48	1,766.07	1,406.53	359.54	4.912		
15,000.00	7,950.00	14,047.72	7,778.28	195.02	173.09	-84.53	-317.26	7,424.97	1,765.14	1,399.99	365.15	4.834		
15,100.00	7,950.00	14,153.44	7,775.46	197.66	175.92	-84.43	-320.39	7,530.60	1,763.58	1,392.98	370.60	4.759		
15,188.12	7,950.00	14,214.53	7,774.22	199.99	177.55	-84.39	-321.67	7,591.67	1,762.91	1,388.63	374.27	4.710		
15,200.00	7,950.00	14,222.77	7,774.07	200.30	177.78	-84.38	-321.78	7,599.91	1,762.92	1,388.16	374.76	4.704		
15,300.00	7,950.00	14,318.38	7,772.47	202.94	180.33	-84.33	-322.56	7,695.50	1,763.39	1,383.52	379.87	4.642		
15,400.00	7,950.00	14,419.67	7,770.60	205.59	183.04	-84.27	-323.48	7,796.77	1,763.81	1,378.61	385.20	4.579		
15,500.00	7,950.00	14,535.85	7,769.19	208.23	186.16	-84.23	-325.01	7,912.92	1,763.76	1,372.66	391.10	4.510		
15,600.00	7,950.00	14,634.44	7,767.99	210.88	188.80	-84.19	-326.72	8,011.49	1,763.30	1,366.96	396.34	4.449		
15,692.00	7,950.00	14,725.08	7,766.34	213.31	191.23	-84.13	-328.28	8,102.10	1,762.94	1,361.80	401.14	4.395 SF		
15,700.00	7,950.00	14,719.00	7,766.45	213.52	191.06	-84.13	-328.17	8,096.02	1,762.97	1,361.94	401.03	4.396		
15,800.00	7,950.00	14,719.00	7,766.45	216.17	191.06	-84.13	-328.17	8,096.02	1,766.22	1,364.41	401.82	4.396		
15,900.00	7,950.00	14,719.00	7,766.45	218.82	191.06	-84.13	-328.17	8,096.02	1,775.12	1,373.76	401.36	4.423		
16,000.00	7,950.00	14,719.00	7,766.45	221.47	191.06	-84.13	-328.17	8,096.02	1,789.57	1,389.87	399.70	4.477		
16,100.00	7,950.00	14,719.00	7,766.45	224.13	191.06	-84.13	-328.17	8,096.02	1,809.43	1,412.52	396.91	4.559		
16,200.00	7,950.00	14,719.00	7,766.45	226.78	191.06	-84.13	-328.17	8,096.02	1,834.54	1,441.46	393.08	4.667		
16,300.00	7,950.00	14,719.00	7,766.45	229.43	191.06	-84.13	-328.17	8,096.02	1,864.68	1,476.34	388.34	4.802		
16,400.00	7,950.00	14,719.00	7,766.45	232.09	191.06	-84.13	-328.17	8,096.02	1,899.61	1,516.79	382.82	4.962		
16,500.00	7,950.00	14,719.00	7,766.45	234.75	191.06	-84.13	-328.17	8,096.02	1,939.08	1,562.44	376.64	5.148		
16,600.00	7,950.00	14,719.00	7,766.45	237.40	191.06	-84.13	-328.17	8,096.02	1,982.81	1,612.86	369.94	5.360		
16,700.00	7,950.00	14,719.00	7,766.45	240.06	191.06	-84.13	-328.17	8,096.02	2,030.52	1,667.67	362.85	5.596		
16,800.00	7,950.00	14,719.00	7,766.45	242.72	191.06	-84.13	-328.17	8,096.02	2,081.95	1,726.47	355.48	5.857		
16,900.00	7,950.00	14,719.00	7,766.45	245.38	191.06	-84.13	-328.17	8,096.02	2,136.82	1,788.90	347.92	6.142		
17,000.00	7,950.00	14,719.00	7,766.45	248.04	191.06	-84.13	-328.17	8,096.02	2,194.88	1,854.61	340.28	6.450		
17,100.00	7,950.00	14,719.00	7,766.45	250.70	191.06	-84.13	-328.17	8,096.02	2,255.88	1,923.26	332.62	6.782		
17,200.00	7,950.00	14,719.00	7,766.45	253.36	191.06	-84.13	-328.17	8,096.02	2,319.59	1,994.59	325.01	7.137		
17,300.00	7,950.00	14,719.00	7,766.45	256.02	191.06	-84.13	-328.17	8,096.02	2,385.79	2,068.30	317.49	7.514		
17,400.00	7,950.00	14,719.00	7,766.45	258.69	191.06	-84.13	-328.17	8,096.02	2,454.28	2,144.16	310.12	7.914		
17,500.00	7,950.00	14,719.00	7,766.45	261.35	191.06	-84.13	-328.17	8,096.02	2,524.88	2,221.96	302.91	8.335		
17,600.00	7,950.00	14,719.00	7,766.45	264.01	191.06	-84.13	-328.17	8,096.02	2,597.40	2,301.50	295.90	8.778		
17,700.00	7,950.00	14,719.00	7,766.45	266.68	191.06	-84.13	-328.17	8,096.02	2,671.70	2,382.61	289.09	9.242		
17,800.00	7,950.00	14,719.00	7,766.45	269.34	191.06	-84.13	-328.17	8,096.02	2,747.63	2,465.12	282.51	9.726		
17,900.00	7,950.00	14,719.00	7,766.45	272.01	191.06	-84.13	-328.17	8,096.02	2,825.06	2,548.91	276.15	10.230		
18,000.00	7,950.00	14,719.00	7,766.45	274.68	191.06	-84.13	-328.17	8,096.02	2,903.87	2,633.85	270.02	10.754		
18,100.00	7,950.00	14,719.00	7,766.45	277.34	191.06	-84.13	-328.17	8,096.02	2,983.95	2,719.83	264.12	11.298		
18,200.00	7,950.00	14,719.00	7,766.45	280.01	191.06	-84.13	-328.17	8,096.02	3,065.20	2,806.76	258.45	11.860		
18,300.00	7,950.00	14,719.00	7,766.45	282.68	191.06	-84.13	-328.17	8,096.02	3,147.54	2,894.54	252.99	12.441		
18,400.00	7,950.00	14,719.00	7,766.45	285.35	191.06	-84.13	-328.17	8,096.02	3,230.86	2,983.11	247.76	13.040		
18,456.97	7,950.00	14,719.00	7,766.45	286.87	191.06	-84.13	-328.17	8,096.02	3,278.75	3,033.89	244.87	13.390		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - LONE TREE 4-65 15-16 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	5.60	5.60	0.00	0.01	-0.07	225.11	-0.28	225.11				
100.00	100.00	105.60	105.60	0.13	0.15	-0.07	225.11	-0.28	225.11	224.82	0.29	779.132	
200.00	200.00	205.60	205.60	0.49	0.51	-0.07	225.11	-0.28	225.11	224.11	1.01	223.799	
206.23	206.23	211.83	211.83	0.52	0.54	-0.07	225.11	-0.28	225.11	224.06	1.05	214.282 CC	
250.00	250.00	255.28	255.28	0.67	0.69	-0.07	225.12	-0.28	225.12	223.75	1.36	165.146 ES	
300.00	300.00	302.40	302.39	0.84	0.86	-168.95	225.48	0.02	225.94	224.23	1.70	132.577	
400.00	399.93	396.36	396.30	1.18	1.20	-168.57	228.01	2.08	232.05	229.66	2.39	97.154	
500.00	499.68	489.53	489.25	1.54	1.54	-167.89	232.87	6.04	244.13	241.04	3.09	79.037	
600.00	599.13	581.40	580.66	1.91	1.88	-167.00	239.96	11.81	262.14	258.34	3.79	69.118	
700.00	698.15	671.50	669.98	2.31	2.23	-165.99	249.11	19.27	286.00	281.51	4.50	63.617	
800.00	796.63	759.40	756.72	2.74	2.59	-164.92	260.14	28.25	315.62	310.42	5.20	60.744	
900.00	894.44	848.32	844.03	3.20	2.98	-163.86	273.18	38.87	350.63	344.72	5.90	59.381	
1,000.00	991.46	940.50	934.46	3.70	3.39	-162.99	287.04	50.16	389.19	382.55	6.64	58.592	
1,026.71	1,017.23	964.91	958.41	3.84	3.50	-162.79	290.71	53.15	400.02	393.17	6.84	58.442	
1,100.00	1,087.84	1,031.74	1,023.97	4.23	3.80	-162.51	300.75	61.34	430.03	422.66	7.37	58.339	
1,200.00	1,184.19	1,122.94	1,113.44	4.78	4.22	-162.18	314.47	72.51	470.99	462.89	8.10	58.140	
1,300.00	1,280.54	1,214.13	1,202.90	5.33	4.65	-161.90	328.18	83.67	511.96	503.12	8.84	57.933	
1,400.00	1,376.88	1,305.33	1,292.37	5.89	5.07	-161.66	341.89	94.84	552.94	543.36	9.58	57.726	
1,500.00	1,473.23	1,396.52	1,381.83	6.45	5.50	-161.46	355.60	106.01	593.93	583.60	10.32	57.524	
1,600.00	1,569.58	1,487.72	1,471.29	7.02	5.93	-161.28	369.31	117.18	634.92	623.84	11.07	57.330	
1,700.00	1,665.92	1,578.91	1,560.76	7.59	6.36	-161.12	383.03	128.35	675.91	664.09	11.83	57.148	
1,800.00	1,762.27	1,670.11	1,650.22	8.16	6.79	-160.98	396.74	139.52	716.91	704.33	12.58	56.977	
1,900.00	1,858.62	1,761.31	1,739.69	8.73	7.22	-160.86	410.45	150.69	757.92	744.58	13.34	56.816	
2,000.00	1,954.97	1,852.50	1,829.15	9.31	7.65	-160.75	424.16	161.86	798.92	784.82	14.10	56.666	
2,100.00	2,051.31	1,943.70	1,918.61	9.88	8.08	-160.65	437.87	173.03	839.93	825.07	14.86	56.526	
2,200.00	2,147.66	2,034.89	2,008.08	10.46	8.51	-160.56	451.59	184.20	880.94	865.32	15.62	56.395	
2,300.00	2,244.01	2,126.09	2,097.54	11.04	8.95	-160.47	465.30	195.37	921.95	905.57	16.38	56.273	
2,400.00	2,340.35	2,217.28	2,187.01	11.62	9.38	-160.40	479.01	206.54	962.97	945.82	17.15	56.158	
2,500.00	2,436.70	2,308.48	2,276.47	12.19	9.82	-160.33	492.72	217.71	1,003.98	986.07	17.91	56.051	
2,600.00	2,533.05	2,400.33	2,365.94	12.77	10.25	-160.26	506.43	228.88	1,045.00	1,026.32	18.68	55.941	
2,700.00	2,629.39	2,490.87	2,455.40	13.35	10.68	-160.21	520.15	240.05	1,086.01	1,066.57	19.44	55.854	
2,800.00	2,725.74	2,582.07	2,544.86	13.93	11.12	-160.15	533.86	251.22	1,127.03	1,106.82	20.21	55.765	
2,900.00	2,822.09	2,673.26	2,634.33	14.51	11.55	-160.10	547.57	262.39	1,168.05	1,147.07	20.98	55.680	
3,000.00	2,918.44	2,764.46	2,723.79	15.09	11.99	-160.05	561.28	273.56	1,209.07	1,187.32	21.75	55.600	
3,100.00	3,014.78	2,855.65	2,813.26	15.67	12.42	-160.01	574.99	284.73	1,250.09	1,227.57	22.51	55.525	
3,200.00	3,111.13	2,946.85	2,902.72	16.25	12.86	-159.97	588.71	295.90	1,291.11	1,267.83	23.28	55.453	
3,300.00	3,207.48	3,038.04	2,992.18	16.84	13.30	-159.93	602.42	307.07	1,332.13	1,308.08	24.05	55.385	
3,400.00	3,303.82	3,129.24	3,081.65	17.42	13.73	-159.89	616.13	318.24	1,373.15	1,348.33	24.82	55.321	
3,500.00	3,400.17	3,220.43	3,171.11	18.00	14.17	-159.86	629.84	329.41	1,414.17	1,388.58	25.59	55.259	
3,600.00	3,496.52	3,311.63	3,260.58	18.58	14.60	-159.82	643.55	340.58	1,455.20	1,428.83	26.36	55.201	
3,700.00	3,592.87	3,402.83	3,350.04	19.16	15.04	-159.79	657.27	351.75	1,496.22	1,469.09	27.13	55.145	
3,800.00	3,689.21	3,505.98	3,439.51	19.74	15.53	-159.76	670.98	362.92	1,537.24	1,509.29	27.95	54.994	
3,900.00	3,785.56	3,585.22	3,528.97	20.33	15.91	-159.73	684.69	374.09	1,578.26	1,549.59	28.67	55.040	
4,000.00	3,881.91	3,676.41	3,618.43	20.91	16.35	-159.71	698.40	385.26	1,619.29	1,589.84	29.45	54.991	
4,100.00	3,978.25	3,767.61	3,707.90	21.49	16.78	-159.68	712.11	396.43	1,660.31	1,630.09	30.22	54.944	
4,200.00	4,074.60	3,858.80	3,797.36	22.07	17.22	-159.66	725.83	407.59	1,701.34	1,670.35	30.99	54.899	
4,300.00	4,170.95	3,950.00	3,886.83	22.65	17.66	-159.64	739.54	418.76	1,742.36	1,710.60	31.76	54.856	
4,400.00	4,267.29	4,041.19	3,976.29	23.24	18.09	-159.62	753.25	429.93	1,783.38	1,750.85	32.54	54.814	
4,500.00	4,363.64	4,132.39	4,065.76	23.82	18.53	-159.59	766.96	441.10	1,824.41	1,791.10	33.31	54.774	
4,600.00	4,459.99	4,223.58	4,155.22	24.40	18.96	-159.57	780.67	452.27	1,865.43	1,831.35	34.08	54.735	
4,700.00	4,556.34	4,314.78	4,244.68	24.98	19.40	-159.56	794.39	463.44	1,906.46	1,871.60	34.85	54.698	
4,800.00	4,652.68	4,405.98	4,334.15	25.57	19.84	-159.54	808.10	474.61	1,947.48	1,911.86	35.63	54.662	

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - LONE TREE 4-65 15-16 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		
4,900.00	4,749.03	4,502.83	4,423.61	26.15	20.30	-159.52	821.81	485.78	1,988.51	1,952.08	36.42	54.592		
5,000.00	4,845.38	4,588.37	4,513.08	26.73	20.71	-159.50	835.52	496.95	2,029.53	1,992.36	37.18	54.594		
5,100.00	4,941.72	4,679.56	4,602.54	27.32	21.15	-159.49	849.23	508.12	2,070.56	2,032.61	37.95	54.561		
5,200.00	5,038.07	4,770.76	4,692.00	27.90	21.58	-159.47	862.95	519.29	2,111.59	2,072.86	38.72	54.529		
5,300.00	5,134.42	4,861.95	4,781.47	28.48	22.02	-159.46	876.66	530.46	2,152.61	2,113.11	39.50	54.499		
5,400.00	5,230.76	4,953.15	4,870.93	29.06	22.46	-159.44	890.37	541.63	2,193.64	2,153.36	40.27	54.469		
5,500.00	5,327.11	5,044.34	4,960.40	29.65	22.89	-159.43	904.08	552.80	2,234.66	2,193.62	41.05	54.440		
5,600.00	5,423.46	5,135.54	5,049.86	30.23	23.33	-159.42	917.79	563.97	2,275.69	2,233.87	41.82	54.412		
5,700.00	5,519.81	5,226.74	5,139.33	30.81	23.77	-159.40	931.51	575.14	2,316.72	2,274.12	42.60	54.384		
5,800.00	5,616.15	5,317.93	5,228.79	31.40	24.20	-159.39	945.22	586.31	2,357.74	2,314.37	43.37	54.357		
5,900.00	5,712.50	5,409.13	5,318.25	31.98	24.64	-159.38	958.93	597.48	2,398.77	2,354.62	44.15	54.331		
6,000.00	5,808.85	5,500.32	5,407.72	32.56	25.08	-159.37	972.64	608.65	2,439.80	2,394.87	44.93	54.306		
6,100.00	5,905.19	5,608.48	5,497.18	33.15	25.59	-159.36	986.35	619.82	2,480.82	2,435.05	45.77	54.198		
6,200.00	6,001.54	5,682.71	5,586.65	33.73	25.95	-159.35	1,000.07	630.99	2,521.85	2,475.37	46.48	54.257		
6,300.00	6,097.89	5,773.91	5,676.11	34.31	26.39	-159.34	1,013.78	642.16	2,562.88	2,515.62	47.26	54.233		
6,400.00	6,194.24	5,865.10	5,765.58	34.90	26.82	-159.33	1,027.49	653.33	2,603.90	2,555.87	48.03	54.210		
6,500.00	6,290.58	5,956.30	5,855.04	35.48	27.26	-159.32	1,041.20	664.50	2,644.93	2,596.12	48.81	54.188		
6,600.00	6,386.93	6,047.50	5,944.50	36.06	27.70	-159.31	1,054.91	675.67	2,685.96	2,636.37	49.59	54.166		
6,700.00	6,483.28	6,138.69	6,033.97	36.65	28.13	-159.30	1,068.63	686.84	2,726.98	2,676.62	50.37	54.144		
6,800.00	6,579.62	6,229.89	6,123.43	37.23	28.57	-159.29	1,082.34	698.01	2,768.01	2,716.87	51.14	54.123		
6,900.00	6,675.97	6,321.08	6,212.90	37.81	29.01	-159.28	1,096.05	709.18	2,809.04	2,757.12	51.92	54.102		
7,000.00	6,772.32	6,412.28	6,302.36	38.40	29.44	-159.27	1,109.76	720.35	2,850.07	2,797.37	52.70	54.081		
7,100.00	6,868.66	6,503.47	6,391.82	38.98	29.88	-159.26	1,123.47	731.51	2,891.09	2,837.62	53.48	54.061		
7,200.00	6,965.01	6,605.33	6,481.29	39.56	30.37	-159.26	1,137.19	742.68	2,932.12	2,877.82	54.30	53.998		
7,300.00	7,061.36	6,685.86	6,570.75	40.15	30.75	-159.25	1,150.90	753.85	2,973.15	2,918.11	55.04	54.022		
7,400.00	7,157.71	6,777.06	6,660.22	40.73	31.19	-159.24	1,164.61	765.02	3,014.18	2,958.36	55.81	54.003		
7,500.00	7,254.05	6,868.26	6,749.68	41.31	31.63	-159.23	1,178.32	776.19	3,055.20	2,998.61	56.59	53.984		
7,600.00	7,350.40	6,959.45	6,839.15	41.90	32.06	-159.23	1,192.03	787.36	3,096.23	3,038.86	57.37	53.966		
7,679.74	7,427.23	7,032.17	6,910.49	42.36	32.41	-159.22	1,202.97	796.27	3,128.95	3,070.95	58.00	53.951		
7,700.00	7,446.72	7,050.67	6,928.63	42.48	32.50	-151.40	1,205.75	798.54	3,137.20	3,079.05	58.16	53.945		
7,750.00	7,494.53	7,103.61	6,973.49	42.78	32.76	-134.68	1,212.62	804.14	3,157.06	3,098.47	58.59	53.884		
7,800.00	7,541.59	7,141.93	7,018.16	43.09	32.94	-121.92	1,219.47	809.71	3,176.06	3,117.08	58.98	53.851		
7,850.00	7,587.55	7,186.95	7,062.33	43.39	33.15	-112.42	1,226.24	815.23	3,194.10	3,134.69	59.41	53.766		
7,900.00	7,632.06	7,231.11	7,105.64	43.70	33.37	-105.30	1,232.88	820.64	3,211.08	3,151.24	59.84	53.659		
7,950.00	7,674.78	7,274.05	7,147.78	44.01	33.57	-99.87	1,239.34	825.90	3,226.94	3,166.66	60.28	53.530		
8,000.00	7,715.39	7,315.47	7,188.41	44.33	33.77	-95.65	1,245.57	830.97	3,241.62	3,180.90	60.73	53.379		
8,050.00	7,753.58	7,355.05	7,227.23	44.64	33.96	-92.33	1,251.52	835.82	3,255.11	3,193.93	61.18	53.206		
8,100.00	7,789.06	7,427.78	7,298.86	44.95	34.28	-90.16	1,262.48	841.49	3,267.23	3,205.35	61.88	52.803		
8,150.00	7,821.55	7,492.04	7,362.31	45.26	34.51	-88.58	1,272.14	838.94	3,277.81	3,215.33	62.48	52.464		
8,200.00	7,850.82	7,534.23	7,403.65	45.57	34.63	-87.19	1,278.41	833.36	3,287.17	3,224.24	62.94	52.230		
8,250.00	7,876.63	7,560.56	7,429.20	45.89	34.69	-85.91	1,282.28	828.32	3,295.52	3,232.19	63.33	52.035		
8,300.00	7,898.79	7,575.66	7,443.73	46.21	34.73	-84.75	1,284.48	824.90	3,302.95	3,239.25	63.70	51.850		
8,350.00	7,917.13	7,582.74	7,450.53	46.53	34.74	-83.70	1,285.51	823.16	3,309.48	3,245.41	64.07	51.656		
8,400.00	7,931.52	7,584.01	7,451.74	46.86	34.74	-82.79	1,285.69	822.84	3,315.09	3,250.65	64.44	51.443		
8,450.00	7,941.84	7,580.98	7,448.84	47.20	34.74	-82.02	1,285.25	823.60	3,319.76	3,254.93	64.83	51.207		
8,500.00	7,948.02	7,574.71	7,442.83	47.54	34.72	-81.41	1,284.34	825.13	3,323.43	3,258.20	65.24	50.944		
8,548.56	7,950.00	7,566.24	7,434.67	47.88	34.71	-80.98	1,283.11	827.08	3,326.02	3,260.37	65.65	50.665		
8,600.00	7,950.00	7,556.92	7,425.68	48.26	34.69	-80.82	1,281.75	829.09	3,328.61	3,262.50	66.11	50.350		
8,700.00	7,950.00	7,542.12	7,411.32	49.08	34.65	-80.57	1,279.58	831.97	3,335.84	3,268.75	67.09	49.720		
8,800.00	7,950.00	7,530.52	7,400.03	50.02	34.62	-80.38	1,277.87	833.97	3,345.97	3,277.79	68.17	49.080		
8,900.00	7,950.00	7,521.19	7,390.92	51.07	34.59	-80.22	1,276.48	835.41	3,358.99	3,289.65	69.34	48.443		
9,000.00	7,950.00	7,513.53	7,383.42	52.25	34.57	-80.09	1,275.35	836.48	3,374.89	3,304.32	70.57	47.824		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - LONE TREE 4-65 15-16 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		
9,100.00	7,950.00	7,500.00	7,370.14	53.55	34.54	-79.86	1,273.33	838.12	3,393.65	3,321.85	71.80	47.264		
9,200.00	7,950.00	7,500.00	7,370.14	54.97	34.54	-79.86	1,273.33	838.12	3,415.19	3,342.04	73.16	46.684		
9,300.00	7,950.00	7,500.00	7,370.14	56.50	34.54	-79.86	1,273.33	838.12	3,439.50	3,364.97	74.53	46.150		
9,400.00	7,950.00	7,500.00	7,370.14	58.13	34.54	-79.86	1,273.33	838.12	3,466.53	3,390.62	75.91	45.667		
9,500.00	7,950.00	7,500.00	7,370.14	59.85	34.54	-79.86	1,273.33	838.12	3,496.21	3,418.92	77.29	45.236		
9,600.00	7,950.00	7,500.00	7,370.14	61.66	34.54	-79.86	1,273.33	838.12	3,528.47	3,449.81	78.66	44.857		
9,700.00	7,950.00	7,483.55	7,353.95	63.55	34.48	-79.57	1,270.87	839.69	3,563.13	3,483.24	79.89	44.601		
9,800.00	7,950.00	7,481.06	7,351.50	65.51	34.47	-79.53	1,270.50	839.88	3,600.30	3,519.10	81.20	44.338		
9,900.00	7,950.00	7,478.82	7,349.29	67.52	34.46	-79.49	1,270.16	840.05	3,639.84	3,557.35	82.49	44.125		
10,000.00	7,950.00	7,476.79	7,347.29	69.60	34.46	-79.46	1,269.86	840.19	3,681.67	3,597.92	83.75	43.962		
10,100.00	7,950.00	7,474.95	7,345.47	71.72	34.45	-79.43	1,269.58	840.32	3,725.71	3,640.74	84.97	43.848		
10,200.00	7,950.00	7,473.26	7,343.80	73.89	34.45	-79.40	1,269.33	840.43	3,771.88	3,685.72	86.16	43.779		
10,300.00	7,950.00	7,471.72	7,342.28	76.09	34.44	-79.37	1,269.09	840.52	3,820.11	3,732.81	87.31	43.756 SF		
10,400.00	7,950.00	7,470.29	7,340.88	78.34	34.44	-79.35	1,268.88	840.61	3,870.32	3,781.91	88.41	43.775		
10,500.00	7,950.00	7,468.98	7,339.58	80.61	34.43	-79.32	1,268.68	840.68	3,922.44	3,832.95	89.48	43.834		
10,600.00	7,950.00	7,450.00	7,320.83	82.91	34.37	-79.00	1,265.83	841.42	3,976.57	3,886.21	90.36	44.006		
10,700.00	7,950.00	7,450.00	7,320.83	85.24	34.37	-79.00	1,265.83	841.42	4,032.26	3,940.90	91.36	44.136		
10,800.00	7,950.00	7,450.00	7,320.83	87.60	34.37	-79.00	1,265.83	841.42	4,089.63	3,997.31	92.31	44.301		
10,900.00	7,950.00	7,450.00	7,320.83	89.97	34.37	-79.00	1,265.83	841.42	4,148.62	4,055.39	93.23	44.500		
11,000.00	7,950.00	7,450.00	7,320.83	92.37	34.37	-79.00	1,265.83	841.42	4,209.15	4,115.05	94.10	44.730		
11,100.00	7,950.00	7,450.00	7,320.83	94.78	34.37	-79.00	1,265.83	841.42	4,271.18	4,176.24	94.94	44.990		
11,200.00	7,950.00	7,450.00	7,320.83	97.21	34.37	-79.00	1,265.83	841.42	4,334.62	4,238.88	95.73	45.278		
11,300.00	7,950.00	7,450.00	7,320.83	99.65	34.37	-79.00	1,265.83	841.42	4,399.42	4,302.92	96.49	45.593		
11,400.00	7,950.00	7,450.00	7,320.83	102.11	34.37	-79.00	1,265.83	841.42	4,465.52	4,368.30	97.22	45.933		
11,500.00	7,950.00	7,450.00	7,320.83	104.58	34.37	-79.00	1,265.83	841.42	4,532.86	4,434.95	97.91	46.296		
11,600.00	7,950.00	7,450.00	7,320.83	107.07	34.37	-79.00	1,265.83	841.42	4,601.39	4,502.82	98.57	46.682		
11,700.00	7,950.00	7,450.00	7,320.83	109.56	34.37	-79.00	1,265.83	841.42	4,671.05	4,571.86	99.19	47.090		
11,800.00	7,950.00	7,450.00	7,320.83	112.07	34.37	-79.00	1,265.83	841.42	4,741.80	4,642.01	99.79	47.517		
11,900.00	7,950.00	7,450.00	7,320.83	114.58	34.37	-79.00	1,265.83	841.42	4,813.59	4,713.23	100.36	47.963		
12,000.00	7,950.00	7,450.00	7,320.83	117.10	34.37	-79.00	1,265.83	841.42	4,886.37	4,785.47	100.90	48.428		
12,100.00	7,950.00	7,450.00	7,320.83	119.63	34.37	-79.00	1,265.83	841.42	4,960.10	4,858.68	101.42	48.909		
12,200.00	7,950.00	7,450.00	7,320.83	122.17	34.37	-79.00	1,265.83	841.42	5,034.73	4,932.83	101.91	49.406		
12,300.00	7,950.00	7,450.00	7,320.83	124.72	34.37	-79.00	1,265.83	841.42	5,110.24	5,007.86	102.37	49.918		
12,400.00	7,950.00	7,450.00	7,320.83	127.27	34.37	-79.00	1,265.83	841.42	5,186.57	5,083.75	102.82	50.445		
12,500.00	7,950.00	7,450.00	7,320.83	129.82	34.37	-79.00	1,265.83	841.42	5,263.69	5,160.45	103.24	50.985		
12,600.00	7,950.00	7,450.00	7,320.83	132.39	34.37	-79.00	1,265.83	841.42	5,341.57	5,237.93	103.64	51.538		
12,700.00	7,950.00	7,450.00	7,320.83	134.96	34.37	-79.00	1,265.83	841.42	5,420.18	5,316.16	104.03	52.104		
12,800.00	7,950.00	7,450.00	7,320.83	137.53	34.37	-79.00	1,265.83	841.42	5,499.49	5,395.09	104.39	52.681		
12,900.00	7,950.00	7,450.00	7,320.83	140.11	34.37	-79.00	1,265.83	841.42	5,579.45	5,474.71	104.74	53.269		
13,000.00	7,950.00	7,450.00	7,320.83	142.69	34.37	-79.00	1,265.83	841.42	5,660.06	5,554.98	105.07	53.867		
13,100.00	7,950.00	7,450.00	7,320.83	145.28	34.37	-79.00	1,265.83	841.42	5,741.28	5,635.88	105.39	54.475		
13,200.00	7,950.00	7,450.00	7,320.83	147.87	34.37	-79.00	1,265.83	841.42	5,823.08	5,717.38	105.70	55.093		
13,300.00	7,950.00	7,450.00	7,320.83	150.47	34.37	-79.00	1,265.83	841.42	5,905.44	5,799.45	105.98	55.720		
13,400.00	7,950.00	7,450.00	7,320.83	153.07	34.37	-79.00	1,265.83	841.42	5,988.33	5,882.07	106.26	56.355		
13,500.00	7,950.00	7,450.00	7,320.83	155.67	34.37	-79.00	1,265.83	841.42	6,071.75	5,965.22	106.52	56.998		
13,600.00	7,950.00	7,450.00	7,320.83	158.28	34.37	-79.00	1,265.83	841.42	6,155.65	6,048.88	106.78	57.650		
13,700.00	7,950.00	7,450.00	7,320.83	160.88	34.37	-79.00	1,265.83	841.42	6,240.03	6,133.02	107.02	58.308		
13,800.00	7,950.00	7,450.00	7,320.83	163.50	34.37	-79.00	1,265.83	841.42	6,324.87	6,217.62	107.25	58.973		
13,900.00	7,950.00	7,450.00	7,320.83	166.11	34.37	-79.00	1,265.83	841.42	6,410.15	6,302.67	107.47	59.645		
14,000.00	7,950.00	7,450.00	7,320.83	168.73	34.37	-79.00	1,265.83	841.42	6,495.84	6,388.16	107.68	60.324		
14,100.00	7,950.00	7,450.00	7,320.83	171.35	34.37	-79.00	1,265.83	841.42	6,581.94	6,474.05	107.89	61.008		
14,200.00	7,950.00	7,450.00	7,320.83	173.97	34.37	-79.00	1,265.83	841.42	6,668.42	6,560.34	108.08	61.698		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - LONE TREE 4-65 15-16 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	
14,300.00	7,950.00	7,450.00	7,320.83	176.59	34.37	-79.00	1,265.83	841.42	6,755.28	6,647.01	108.27	62.394	
14,400.00	7,950.00	7,450.00	7,320.83	179.22	34.37	-79.00	1,265.83	841.42	6,842.50	6,734.05	108.45	63.095	
14,500.00	7,950.00	7,450.00	7,320.83	181.85	34.37	-79.00	1,265.83	841.42	6,930.06	6,821.44	108.62	63.801	
14,600.00	7,950.00	7,450.00	7,320.83	184.48	34.37	-79.00	1,265.83	841.42	7,017.96	6,909.17	108.79	64.511	
14,700.00	7,950.00	7,450.00	7,320.83	187.11	34.37	-79.00	1,265.83	841.42	7,106.17	6,997.23	108.95	65.227	
14,800.00	7,950.00	7,450.00	7,320.83	189.75	34.37	-79.00	1,265.83	841.42	7,194.70	7,085.60	109.10	65.946	
14,900.00	7,950.00	7,450.00	7,320.83	192.38	34.37	-79.00	1,265.83	841.42	7,283.52	7,174.27	109.25	66.670	
15,000.00	7,950.00	7,450.00	7,320.83	195.02	34.37	-79.00	1,265.83	841.42	7,372.62	7,263.23	109.39	67.397	
15,100.00	7,950.00	7,450.00	7,320.83	197.66	34.37	-79.00	1,265.83	841.42	7,462.01	7,352.48	109.53	68.129	
15,200.00	7,950.00	7,450.00	7,320.83	200.30	34.37	-79.00	1,265.83	841.42	7,551.66	7,441.99	109.66	68.864	
15,300.00	7,950.00	7,450.00	7,320.83	202.94	34.37	-79.00	1,265.83	841.42	7,641.56	7,531.77	109.79	69.602	
15,400.00	7,950.00	7,450.00	7,320.83	205.59	34.37	-79.00	1,265.83	841.42	7,731.72	7,621.80	109.91	70.344	
15,500.00	7,950.00	7,450.00	7,320.83	208.23	34.37	-79.00	1,265.83	841.42	7,822.11	7,712.08	110.03	71.089	
15,600.00	7,950.00	7,450.00	7,320.83	210.88	34.37	-79.00	1,265.83	841.42	7,912.73	7,802.58	110.15	71.836	
15,700.00	7,950.00	7,450.00	7,320.83	213.52	34.37	-79.00	1,265.83	841.42	8,003.58	7,893.32	110.26	72.587	
15,800.00	7,950.00	7,450.00	7,320.83	216.17	34.37	-79.00	1,265.83	841.42	8,094.65	7,984.28	110.37	73.340	
15,900.00	7,950.00	7,450.00	7,320.83	218.82	34.37	-79.00	1,265.83	841.42	8,185.92	8,075.44	110.48	74.096	
16,000.00	7,950.00	7,450.00	7,320.83	221.47	34.37	-79.00	1,265.83	841.42	8,277.39	8,166.81	110.58	74.855	
16,100.00	7,950.00	7,450.00	7,320.83	224.13	34.37	-79.00	1,265.83	841.42	8,369.06	8,258.38	110.68	75.616	
16,200.00	7,950.00	7,450.00	7,320.83	226.78	34.37	-79.00	1,265.83	841.42	8,460.92	8,350.14	110.78	76.379	
16,300.00	7,950.00	7,450.00	7,320.83	229.43	34.37	-79.00	1,265.83	841.42	8,552.96	8,442.09	110.87	77.144	
16,400.00	7,950.00	7,450.00	7,320.83	232.09	34.37	-79.00	1,265.83	841.42	8,645.18	8,534.22	110.96	77.911	
16,500.00	7,950.00	7,450.00	7,320.83	234.75	34.37	-79.00	1,265.83	841.42	8,737.57	8,626.51	111.05	78.681	
16,600.00	7,950.00	7,450.00	7,320.83	237.40	34.37	-79.00	1,265.83	841.42	8,830.12	8,718.98	111.14	79.452	
16,700.00	7,950.00	7,450.00	7,320.83	240.06	34.37	-79.00	1,265.83	841.42	8,922.83	8,811.61	111.22	80.225	
16,800.00	7,950.00	7,450.00	7,320.83	242.72	34.37	-79.00	1,265.83	841.42	9,015.71	8,904.40	111.31	80.999	
16,900.00	7,950.00	7,450.00	7,320.83	245.38	34.37	-79.00	1,265.83	841.42	9,108.73	8,997.34	111.39	81.775	
17,000.00	7,950.00	7,450.00	7,320.83	248.04	34.37	-79.00	1,265.83	841.42	9,201.90	9,090.43	111.47	82.553	
17,100.00	7,950.00	7,450.00	7,320.83	250.70	34.37	-79.00	1,265.83	841.42	9,295.21	9,183.66	111.54	83.332	
17,200.00	7,950.00	7,450.00	7,320.83	253.36	34.37	-79.00	1,265.83	841.42	9,388.65	9,277.03	111.62	84.113	
17,300.00	7,950.00	7,450.00	7,320.83	256.02	34.37	-79.00	1,265.83	841.42	9,482.23	9,370.54	111.69	84.895	
17,400.00	7,950.00	7,450.00	7,320.83	258.69	34.37	-79.00	1,265.83	841.42	9,575.95	9,464.18	111.77	85.678	
17,500.00	7,950.00	7,450.00	7,320.83	261.35	34.37	-79.00	1,265.83	841.42	9,669.78	9,557.94	111.84	86.462	
17,600.00	7,950.00	7,450.00	7,320.83	264.01	34.37	-79.00	1,265.83	841.42	9,763.74	9,651.83	111.91	87.247	
17,700.00	7,950.00	7,450.00	7,320.83	266.68	34.37	-79.00	1,265.83	841.42	9,857.82	9,745.84	111.98	88.034	
17,800.00	7,950.00	7,450.00	7,320.83	269.34	34.37	-79.00	1,265.83	841.42	9,952.01	9,839.97	112.05	88.821	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - LONE TREE 4-65 15-16 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	4.80	4.80	0.00	0.01	-0.09	175.21	-0.28	175.21					
100.00	100.00	104.80	104.80	0.13	0.15	-0.09	175.21	-0.28	175.21	174.93	0.29	612.503		
200.00	200.00	204.80	204.80	0.49	0.51	-0.09	175.21	-0.28	175.21	174.21	1.00	174.688		
250.00	250.00	254.80	254.80	0.67	0.69	-0.09	175.21	-0.28	175.21	173.85	1.36	128.693 CC, ES		
300.00	300.00	303.22	303.22	0.84	0.86	-168.91	175.45	0.15	175.89	174.18	1.71	103.151		
400.00	399.93	400.10	400.04	1.18	1.21	-168.14	177.11	3.16	181.04	178.65	2.39	75.606		
500.00	499.68	496.31	496.01	1.54	1.56	-166.77	180.32	8.98	191.34	188.23	3.10	61.633		
600.00	599.13	591.42	590.61	1.91	1.91	-164.99	185.03	17.51	206.85	203.03	3.83	54.070		
700.00	698.15	686.72	685.07	2.31	2.29	-163.01	191.13	28.57	227.50	222.94	4.56	49.897		
800.00	796.63	783.52	780.94	2.74	2.68	-161.43	197.60	40.29	251.91	246.60	5.31	47.449		
900.00	894.44	879.51	876.01	3.20	3.07	-160.31	204.00	51.90	279.61	273.54	6.06	46.106		
1,000.00	991.46	974.58	970.16	3.70	3.47	-159.55	210.35	63.41	310.49	303.67	6.82	45.496		
1,026.71	1,017.23	1,000.20	995.15	3.84	3.57	-159.40	212.04	66.46	319.27	312.24	7.04	45.375		
1,100.00	1,087.84	1,068.90	1,063.59	4.23	3.86	-159.21	216.65	74.82	343.66	336.07	7.59	45.290		
1,200.00	1,184.19	1,163.19	1,156.97	4.78	4.25	-158.99	222.95	86.23	376.95	368.60	8.35	45.157		
1,300.00	1,280.54	1,257.48	1,250.36	5.33	4.65	-158.81	229.24	97.64	410.23	401.12	9.11	45.017		
1,400.00	1,376.88	1,351.77	1,343.74	5.89	5.04	-158.65	235.54	109.05	443.52	433.64	9.88	44.876		
1,500.00	1,473.23	1,446.06	1,437.12	6.45	5.44	-158.52	241.83	120.46	476.82	466.16	10.66	44.740		
1,600.00	1,569.58	1,540.35	1,530.51	7.02	5.83	-158.40	248.13	131.87	510.11	498.68	11.43	44.611		
1,700.00	1,665.92	1,634.64	1,623.89	7.59	6.23	-158.30	254.42	143.29	543.41	531.20	12.21	44.489		
1,800.00	1,762.27	1,728.93	1,717.28	8.16	6.63	-158.21	260.72	154.70	576.71	563.71	13.00	44.375		
1,900.00	1,858.62	1,823.22	1,810.66	8.73	7.03	-158.13	267.01	166.11	610.01	596.23	13.78	44.269		
2,000.00	1,954.97	1,917.51	1,904.05	9.31	7.43	-158.06	273.31	177.52	643.31	628.75	14.56	44.169		
2,100.00	2,051.31	2,011.80	1,997.43	9.88	7.82	-157.99	279.61	188.93	676.61	661.26	15.35	44.077		
2,200.00	2,147.66	2,106.09	2,090.82	10.46	8.22	-157.93	285.90	200.34	709.91	693.78	16.14	43.990		
2,300.00	2,244.01	2,200.38	2,184.20	11.04	8.62	-157.88	292.20	211.75	743.22	726.29	16.93	43.909		
2,400.00	2,340.35	2,305.33	2,277.58	11.62	9.07	-157.83	298.49	223.16	776.52	758.76	17.76	43.727		
2,500.00	2,436.70	2,388.96	2,370.97	12.19	9.42	-157.78	304.79	234.57	809.82	791.32	18.50	43.763		
2,600.00	2,533.05	2,483.25	2,464.35	12.77	9.82	-157.74	311.08	245.98	843.13	823.83	19.30	43.696		
2,700.00	2,629.39	2,577.54	2,557.74	13.35	10.22	-157.70	317.38	257.39	876.43	856.35	20.09	43.634		
2,800.00	2,725.74	2,671.83	2,651.12	13.93	10.62	-157.67	323.67	268.80	909.74	888.86	20.88	43.575		
2,900.00	2,822.09	2,766.12	2,744.51	14.51	11.02	-157.64	329.97	280.21	943.04	921.37	21.67	43.520		
3,000.00	2,918.44	2,860.40	2,837.89	15.09	11.42	-157.61	336.27	291.62	976.35	953.89	22.46	43.467		
3,100.00	3,014.78	2,954.69	2,931.28	15.67	11.82	-157.58	342.56	303.03	1,009.66	986.40	23.25	43.418		
3,200.00	3,111.13	3,048.98	3,024.66	16.25	12.22	-157.55	348.86	314.44	1,042.96	1,018.91	24.05	43.371		
3,300.00	3,207.48	3,143.27	3,118.05	16.84	12.62	-157.52	355.15	325.85	1,076.27	1,051.43	24.84	43.327		
3,400.00	3,303.82	3,237.56	3,211.43	17.42	13.02	-157.50	361.45	337.26	1,109.57	1,083.94	25.63	43.285		
3,500.00	3,400.17	3,331.85	3,304.81	18.00	13.42	-157.48	367.74	348.67	1,142.88	1,116.45	26.43	43.245		
3,600.00	3,496.52	3,426.14	3,398.20	18.58	13.82	-157.46	374.04	360.08	1,176.19	1,148.96	27.22	43.207		
3,700.00	3,592.87	3,520.43	3,491.58	19.16	14.21	-157.44	380.33	371.50	1,209.49	1,181.48	28.02	43.170		
3,800.00	3,689.21	3,614.72	3,584.97	19.74	14.61	-157.42	386.63	382.91	1,242.80	1,213.99	28.81	43.136		
3,900.00	3,785.56	3,709.01	3,678.35	20.33	15.01	-157.40	392.93	394.32	1,276.11	1,246.50	29.61	43.103		
4,000.00	3,881.91	3,803.30	3,771.74	20.91	15.41	-157.38	399.22	405.73	1,309.41	1,279.01	30.40	43.071		
4,100.00	3,978.25	3,897.59	3,865.12	21.49	15.81	-157.37	405.52	417.14	1,342.72	1,311.53	31.20	43.040		
4,200.00	4,074.60	4,008.12	3,958.51	22.07	16.28	-157.35	411.81	428.55	1,376.03	1,343.97	32.06	42.923		
4,300.00	4,170.95	4,086.17	4,051.89	22.65	16.61	-157.34	418.11	439.96	1,409.34	1,376.55	32.79	42.983		
4,400.00	4,267.29	4,180.46	4,145.28	23.24	17.01	-157.32	424.40	451.37	1,442.64	1,409.06	33.58	42.957		
4,500.00	4,363.64	4,274.75	4,238.66	23.82	17.41	-157.31	430.70	462.78	1,475.95	1,441.57	34.38	42.931		
4,600.00	4,459.99	4,369.04	4,332.04	24.40	17.81	-157.30	436.99	474.19	1,509.26	1,474.08	35.18	42.906		
4,700.00	4,556.34	4,463.33	4,425.43	24.98	18.22	-157.28	443.29	485.60	1,542.57	1,506.59	35.97	42.882		
4,800.00	4,652.68	4,557.61	4,518.81	25.57	18.62	-157.27	449.59	497.01	1,575.87	1,539.11	36.77	42.859		
4,900.00	4,749.03	4,651.90	4,612.20	26.15	19.02	-157.26	455.88	508.42	1,609.18	1,571.62	37.57	42.836		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - LONE TREE 4-65 15-16 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		
5,000.00	4,845.38	4,746.19	4,705.58	26.73	19.42	-157.25	462.18	519.83	1,642.49	1,604.13	38.36	42.815		
5,100.00	4,941.72	4,840.48	4,798.97	27.32	19.82	-157.24	468.47	531.24	1,675.80	1,636.64	39.16	42.794		
5,200.00	5,038.07	4,934.77	4,892.35	27.90	20.22	-157.23	474.77	542.65	1,709.11	1,669.15	39.96	42.774		
5,300.00	5,134.42	5,029.06	4,985.74	28.48	20.62	-157.22	481.06	554.06	1,742.41	1,701.66	40.75	42.754		
5,400.00	5,230.76	5,123.35	5,079.12	29.06	21.02	-157.21	487.36	565.47	1,775.72	1,734.17	41.55	42.735		
5,500.00	5,327.11	5,217.64	5,172.51	29.65	21.42	-157.20	493.65	576.88	1,809.03	1,766.68	42.35	42.717		
5,600.00	5,423.46	5,311.93	5,265.89	30.23	21.82	-157.19	499.95	588.29	1,842.34	1,799.19	43.15	42.699		
5,700.00	5,519.81	5,406.22	5,359.27	30.81	22.22	-157.19	506.25	599.71	1,875.65	1,831.70	43.94	42.682		
5,800.00	5,616.15	5,500.51	5,452.66	31.40	22.62	-157.18	512.54	611.12	1,908.96	1,864.21	44.74	42.665		
5,900.00	5,712.50	5,605.20	5,546.04	31.98	23.06	-157.17	518.84	622.53	1,942.26	1,896.68	45.58	42.609		
6,000.00	5,808.85	5,689.09	5,639.43	32.56	23.42	-157.16	525.13	633.94	1,975.57	1,929.23	46.34	42.633		
6,100.00	5,905.19	5,783.38	5,732.81	33.15	23.82	-157.16	531.43	645.35	2,008.88	1,961.74	47.14	42.617		
6,200.00	6,001.54	5,877.67	5,826.20	33.73	24.22	-157.15	537.72	656.76	2,042.19	1,994.25	47.94	42.602		
6,300.00	6,097.89	5,971.96	5,919.58	34.31	24.62	-157.14	544.02	668.17	2,075.50	2,026.76	48.74	42.587		
6,400.00	6,194.24	6,066.25	6,012.97	34.90	25.02	-157.14	550.31	679.58	2,108.80	2,059.27	49.53	42.573		
6,500.00	6,290.58	6,160.54	6,106.35	35.48	25.42	-157.13	556.61	690.99	2,142.11	2,091.78	50.33	42.559		
6,600.00	6,386.93	6,254.83	6,199.74	36.06	25.82	-157.12	562.91	702.40	2,175.42	2,124.29	51.13	42.545		
6,700.00	6,483.28	6,349.11	6,293.12	36.65	26.22	-157.12	569.20	713.81	2,208.73	2,156.80	51.93	42.531		
6,800.00	6,579.62	6,443.40	6,386.50	37.23	26.62	-157.11	575.50	725.22	2,242.04	2,189.31	52.73	42.518		
6,900.00	6,675.97	6,537.69	6,479.89	37.81	27.02	-157.11	581.79	736.63	2,275.35	2,221.82	53.53	42.505		
7,000.00	6,772.32	6,631.98	6,573.27	38.40	27.42	-157.10	588.09	748.04	2,308.66	2,254.32	54.33	42.493		
7,100.00	6,868.66	6,726.27	6,666.66	38.98	27.82	-157.10	594.38	759.45	2,341.96	2,286.83	55.13	42.480		
7,200.00	6,965.01	6,820.56	6,760.04	39.56	28.22	-157.09	600.68	770.86	2,375.27	2,319.34	55.93	42.468		
7,300.00	7,061.36	6,914.85	6,853.43	40.15	28.62	-157.09	606.98	782.27	2,408.58	2,351.85	56.73	42.456		
7,400.00	7,157.71	7,009.14	6,946.81	40.73	29.02	-157.08	613.27	793.68	2,441.89	2,384.36	57.53	42.444		
7,500.00	7,254.05	7,103.43	7,040.20	41.31	29.42	-157.08	619.57	805.09	2,475.20	2,416.87	58.33	42.433		
7,600.00	7,350.40	7,202.28	7,133.58	41.90	29.84	-157.07	625.86	816.50	2,508.51	2,449.36	59.15	42.408		
7,679.74	7,427.23	7,272.91	7,208.05	42.36	30.14	-157.07	630.88	825.60	2,535.07	2,475.30	59.77	42.413		
7,700.00	7,446.72	7,292.03	7,226.99	42.48	30.22	-149.45	632.16	827.92	2,541.75	2,481.81	59.93	42.409		
7,750.00	7,494.53	7,339.29	7,273.79	42.78	30.42	-133.24	635.31	833.64	2,557.60	2,497.25	60.35	42.382		
7,800.00	7,541.59	7,443.31	7,377.14	43.09	30.83	-121.36	642.26	842.14	2,572.34	2,511.20	61.14	42.071		
7,850.00	7,587.55	7,850.00	7,562.80	43.39	31.53	-114.53	654.46	810.90	2,583.59	2,521.25	62.34	41.443		
7,900.00	7,632.06	7,784.54	7,698.05	43.70	31.35	-110.60	663.10	744.03	2,592.53	2,530.16	62.36	41.571		
7,950.00	7,674.78	7,846.64	7,747.44	44.01	31.36	-106.88	666.18	706.56	2,600.59	2,538.03	62.56	41.571		
8,000.00	7,715.39	7,876.84	7,769.93	44.33	31.37	-103.60	667.57	686.45	2,608.45	2,545.70	62.75	41.572		
8,050.00	7,753.58	7,889.32	7,778.90	44.64	31.37	-100.68	668.12	677.80	2,616.29	2,553.36	62.93	41.574		
8,100.00	7,789.06	7,891.25	7,780.28	44.95	31.37	-98.07	668.20	676.45	2,624.14	2,561.02	63.11	41.577		
8,150.00	7,821.55	7,886.51	7,776.89	45.26	31.37	-95.71	667.99	679.77	2,631.95	2,568.65	63.30	41.579		
8,200.00	7,850.82	7,877.31	7,770.26	45.57	31.37	-93.58	667.59	686.13	2,639.64	2,576.15	63.49	41.574		
8,250.00	7,876.63	7,865.02	7,761.25	45.89	31.36	-91.66	667.03	694.46	2,647.12	2,583.43	63.69	41.560		
8,300.00	7,898.79	7,850.53	7,750.39	46.21	31.36	-89.94	666.36	704.04	2,654.30	2,590.39	63.91	41.532		
8,350.00	7,917.13	7,834.41	7,738.03	46.53	31.36	-88.39	665.60	714.36	2,661.07	2,596.92	64.15	41.484		
8,400.00	7,931.52	7,817.07	7,724.42	46.86	31.36	-87.03	664.75	725.07	2,667.34	2,602.93	64.41	41.415		
8,450.00	7,941.84	7,798.80	7,709.74	47.20	31.36	-85.85	663.84	735.90	2,673.01	2,608.32	64.69	41.322		
8,500.00	7,948.02	7,779.81	7,694.12	47.54	31.35	-84.85	662.86	746.66	2,678.00	2,613.01	64.99	41.205		
8,548.56	7,950.00	7,760.83	7,678.17	47.88	31.34	-84.06	661.85	756.89	2,682.11	2,616.80	65.31	41.068		
8,600.00	7,950.00	7,741.60	7,661.67	48.26	31.33	-83.71	660.81	766.70	2,686.45	2,620.79	65.67	40.911		
8,700.00	7,950.00	7,709.75	7,633.64	49.08	31.31	-83.11	659.02	781.72	2,697.22	2,630.79	66.42	40.606		
8,800.00	7,950.00	7,683.68	7,610.11	50.02	31.29	-82.61	657.52	792.84	2,711.15	2,643.89	67.25	40.312		
8,900.00	7,950.00	7,662.03	7,590.21	51.07	31.27	-82.18	656.24	801.25	2,728.32	2,660.18	68.15	40.036		
9,000.00	7,950.00	7,650.00	7,579.01	52.25	31.26	-81.94	655.51	805.60	2,748.77	2,679.66	69.11	39.772		
9,100.00	7,950.00	7,628.32	7,558.62	53.55	31.23	-81.51	654.20	812.83	2,772.44	2,702.39	70.06	39.575		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - LONE TREE 4-65 15-16 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		
9,200.00	7,950.00	7,614.98	7,545.94	54.97	31.21	-81.24	653.37	816.89	2,799.34	2,728.29	71.05	39.399		
9,300.00	7,950.00	7,600.00	7,531.59	56.50	31.19	-80.93	652.44	821.10	2,829.39	2,757.36	72.04	39.276		
9,400.00	7,950.00	7,600.00	7,531.59	58.13	31.19	-80.93	652.44	821.10	2,862.53	2,789.43	73.10	39.159		
9,500.00	7,950.00	7,584.28	7,516.43	59.85	31.17	-80.61	651.45	825.11	2,898.62	2,824.57	74.06	39.141 SF		
9,600.00	7,950.00	7,576.31	7,508.70	61.66	31.15	-80.44	650.95	826.99	2,937.63	2,862.59	75.04	39.149		
9,700.00	7,950.00	7,569.19	7,501.77	63.55	31.14	-80.30	650.49	828.57	2,979.42	2,903.42	75.99	39.206		
9,800.00	7,950.00	7,550.00	7,483.01	65.51	31.11	-79.90	649.26	832.41	3,023.98	2,947.14	76.84	39.352		
9,900.00	7,950.00	7,550.00	7,483.01	67.52	31.11	-79.90	649.26	832.41	3,070.97	2,993.18	77.78	39.482		
10,000.00	7,950.00	7,550.00	7,483.01	69.60	31.11	-79.90	649.26	832.41	3,120.45	3,041.77	78.68	39.660		
10,100.00	7,950.00	7,550.00	7,483.01	71.72	31.11	-79.90	649.26	832.41	3,172.31	3,092.77	79.54	39.883		
10,200.00	7,950.00	7,550.00	7,483.01	73.89	31.11	-79.90	649.26	832.41	3,226.44	3,146.08	80.36	40.150		
10,300.00	7,950.00	7,550.00	7,483.01	76.09	31.11	-79.90	649.26	832.41	3,282.72	3,201.58	81.14	40.457		
10,400.00	7,950.00	7,550.00	7,483.01	78.34	31.11	-79.90	649.26	832.41	3,341.05	3,259.17	81.88	40.803		
10,500.00	7,950.00	7,531.33	7,464.64	80.61	31.06	-79.51	648.06	835.54	3,401.08	3,318.62	82.46	41.243		
10,600.00	7,950.00	7,528.13	7,461.49	82.91	31.06	-79.44	647.85	836.01	3,463.10	3,379.99	83.11	41.669		
10,700.00	7,950.00	7,525.16	7,458.55	85.24	31.05	-79.38	647.66	836.44	3,526.85	3,443.13	83.72	42.127		
10,800.00	7,950.00	7,522.39	7,455.82	87.60	31.04	-79.32	647.48	836.82	3,592.24	3,507.94	84.30	42.615		
10,900.00	7,950.00	7,519.81	7,453.26	89.97	31.04	-79.27	647.31	837.17	3,659.18	3,574.34	84.84	43.131		
11,000.00	7,950.00	7,500.00	7,433.63	92.37	30.99	-78.85	646.01	839.43	3,727.82	3,642.58	85.24	43.736		
11,100.00	7,950.00	7,500.00	7,433.63	94.78	30.99	-78.85	646.01	839.43	3,797.57	3,711.84	85.73	44.295		
11,200.00	7,950.00	7,500.00	7,433.63	97.21	30.99	-78.85	646.01	839.43	3,868.66	3,782.45	86.20	44.878		
11,300.00	7,950.00	7,500.00	7,433.63	99.65	30.99	-78.85	646.01	839.43	3,941.00	3,854.35	86.65	45.483		
11,400.00	7,950.00	7,500.00	7,433.63	102.11	30.99	-78.85	646.01	839.43	4,014.52	3,927.46	87.06	46.110		
11,500.00	7,950.00	7,500.00	7,433.63	104.58	30.99	-78.85	646.01	839.43	4,089.18	4,001.72	87.46	46.757		
11,600.00	7,950.00	7,500.00	7,433.63	107.07	30.99	-78.85	646.01	839.43	4,164.89	4,077.06	87.82	47.423		
11,700.00	7,950.00	7,500.00	7,433.63	109.56	30.99	-78.85	646.01	839.43	4,241.61	4,153.44	88.17	48.106		
11,800.00	7,950.00	7,500.00	7,433.63	112.07	30.99	-78.85	646.01	839.43	4,319.28	4,230.78	88.50	48.806		
11,900.00	7,950.00	7,500.00	7,433.63	114.58	30.99	-78.85	646.01	839.43	4,397.86	4,309.05	88.81	49.521		
12,000.00	7,950.00	7,500.00	7,433.63	117.10	30.99	-78.85	646.01	839.43	4,477.29	4,388.19	89.10	50.251		
12,100.00	7,950.00	7,500.00	7,433.63	119.63	30.99	-78.85	646.01	839.43	4,557.53	4,468.15	89.37	50.995		
12,200.00	7,950.00	7,500.00	7,433.63	122.17	30.99	-78.85	646.01	839.43	4,638.53	4,548.90	89.63	51.752		
12,300.00	7,950.00	7,500.00	7,433.63	124.72	30.99	-78.85	646.01	839.43	4,720.27	4,630.39	89.88	52.520		
12,400.00	7,950.00	7,500.00	7,433.63	127.27	30.99	-78.85	646.01	839.43	4,802.69	4,712.59	90.11	53.301		
12,500.00	7,950.00	7,500.00	7,433.63	129.82	30.99	-78.85	646.01	839.43	4,885.78	4,795.45	90.32	54.091		
12,600.00	7,950.00	7,500.00	7,433.63	132.39	30.99	-78.85	646.01	839.43	4,969.48	4,878.95	90.53	54.893		
12,700.00	7,950.00	7,500.00	7,433.63	134.96	30.99	-78.85	646.01	839.43	5,053.78	4,963.06	90.73	55.703		
12,800.00	7,950.00	7,500.00	7,433.63	137.53	30.99	-78.85	646.01	839.43	5,138.64	5,047.73	90.91	56.523		
12,900.00	7,950.00	7,500.00	7,433.63	140.11	30.99	-78.85	646.01	839.43	5,224.04	5,132.95	91.09	57.351		
13,000.00	7,950.00	7,500.00	7,433.63	142.69	30.99	-78.85	646.01	839.43	5,309.95	5,218.69	91.26	58.188		
13,100.00	7,950.00	7,500.00	7,433.63	145.28	30.99	-78.85	646.01	839.43	5,396.34	5,304.93	91.41	59.031		
13,200.00	7,950.00	7,500.00	7,433.63	147.87	30.99	-78.85	646.01	839.43	5,483.20	5,391.63	91.57	59.882		
13,300.00	7,950.00	7,500.00	7,433.63	150.47	30.99	-78.85	646.01	839.43	5,570.49	5,478.78	91.71	60.740		
13,400.00	7,950.00	7,500.00	7,433.63	153.07	30.99	-78.85	646.01	839.43	5,658.21	5,566.36	91.85	61.604		
13,500.00	7,950.00	7,500.00	7,433.63	155.67	30.99	-78.85	646.01	839.43	5,746.33	5,654.35	91.98	62.474		
13,600.00	7,950.00	7,500.00	7,433.63	158.28	30.99	-78.85	646.01	839.43	5,834.83	5,742.73	92.10	63.350		
13,700.00	7,950.00	7,500.00	7,433.63	160.88	30.99	-78.85	646.01	839.43	5,923.70	5,831.47	92.22	64.232		
13,800.00	7,950.00	7,500.00	7,433.63	163.50	30.99	-78.85	646.01	839.43	6,012.91	5,920.57	92.34	65.118		
13,900.00	7,950.00	7,500.00	7,433.63	166.11	30.99	-78.85	646.01	839.43	6,102.47	6,010.02	92.45	66.009		
14,000.00	7,950.00	7,500.00	7,433.63	168.73	30.99	-78.85	646.01	839.43	6,192.34	6,099.78	92.55	66.904		
14,100.00	7,950.00	7,500.00	7,433.63	171.35	30.99	-78.85	646.01	839.43	6,282.51	6,189.86	92.66	67.804		
14,200.00	7,950.00	7,500.00	7,433.63	173.97	30.99	-78.85	646.01	839.43	6,372.98	6,280.23	92.75	68.708		
14,300.00	7,950.00	7,500.00	7,433.63	176.59	30.99	-78.85	646.01	839.43	6,463.73	6,370.89	92.85	69.616		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - LONE TREE 4-65 15-16 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	
14,400.00	7,950.00	7,500.00	7,433.63	179.22	30.99	-78.85	646.01	839.43	6,554.76	6,461.82	92.94	70.527	
14,500.00	7,950.00	7,500.00	7,433.63	181.85	30.99	-78.85	646.01	839.43	6,646.03	6,553.01	93.03	71.442	
14,600.00	7,950.00	7,500.00	7,433.63	184.48	30.99	-78.85	646.01	839.43	6,737.56	6,644.45	93.11	72.360	
14,700.00	7,950.00	7,477.50	7,411.24	187.11	30.93	-78.38	644.53	841.18	6,828.88	6,735.82	93.07	73.376	
14,800.00	7,950.00	7,477.01	7,410.76	189.75	30.93	-78.37	644.50	841.20	6,920.85	6,827.71	93.14	74.302	
14,900.00	7,950.00	7,476.54	7,410.29	192.38	30.93	-78.36	644.46	841.23	7,013.05	6,919.83	93.22	75.231	
15,000.00	7,950.00	7,476.08	7,409.83	195.02	30.93	-78.35	644.43	841.26	7,105.45	7,012.16	93.29	76.163	
15,100.00	7,950.00	7,475.63	7,409.38	197.66	30.92	-78.34	644.40	841.28	7,198.05	7,104.69	93.36	77.097	
15,200.00	7,950.00	7,475.20	7,408.95	200.30	30.92	-78.33	644.38	841.30	7,290.85	7,197.42	93.43	78.033	
15,300.00	7,950.00	7,474.77	7,408.53	202.94	30.92	-78.32	644.35	841.33	7,383.84	7,290.34	93.50	78.972	
15,400.00	7,950.00	7,474.36	7,408.12	205.59	30.92	-78.31	644.32	841.35	7,477.01	7,383.44	93.57	79.912	
15,500.00	7,950.00	7,473.96	7,407.72	208.23	30.92	-78.31	644.29	841.37	7,570.35	7,476.72	93.63	80.854	
15,600.00	7,950.00	7,473.57	7,407.33	210.88	30.92	-78.30	644.27	841.39	7,663.86	7,570.17	93.69	81.798	
15,700.00	7,950.00	7,473.19	7,406.95	213.52	30.92	-78.29	644.24	841.41	7,757.53	7,663.78	93.75	82.743	
15,800.00	7,950.00	7,450.00	7,383.82	216.17	30.85	-77.80	642.70	842.11	7,851.82	7,758.14	93.68	83.812	
15,900.00	7,950.00	7,450.00	7,383.82	218.82	30.85	-77.80	642.70	842.11	7,945.78	7,852.04	93.75	84.759	
16,000.00	7,950.00	7,450.00	7,383.82	221.47	30.85	-77.80	642.70	842.11	8,039.89	7,946.09	93.81	85.707	
16,100.00	7,950.00	7,450.00	7,383.82	224.13	30.85	-77.80	642.70	842.11	8,134.14	8,040.28	93.87	86.657	
16,200.00	7,950.00	7,450.00	7,383.82	226.78	30.85	-77.80	642.70	842.11	8,228.53	8,134.60	93.93	87.607	
16,300.00	7,950.00	7,450.00	7,383.82	229.43	30.85	-77.80	642.70	842.11	8,323.05	8,229.06	93.98	88.559	
16,400.00	7,950.00	7,450.00	7,383.82	232.09	30.85	-77.80	642.70	842.11	8,417.69	8,323.65	94.04	89.512	
16,500.00	7,950.00	7,450.00	7,383.82	234.75	30.85	-77.80	642.70	842.11	8,512.45	8,418.36	94.10	90.465	
16,600.00	7,950.00	7,450.00	7,383.82	237.40	30.85	-77.80	642.70	842.11	8,607.34	8,513.19	94.15	91.420	
16,700.00	7,950.00	7,450.00	7,383.82	240.06	30.85	-77.80	642.70	842.11	8,702.34	8,608.13	94.21	92.375	
16,800.00	7,950.00	7,450.00	7,383.82	242.72	30.85	-77.80	642.70	842.11	8,797.45	8,703.19	94.26	93.330	
16,900.00	7,950.00	7,450.00	7,383.82	245.38	30.85	-77.80	642.70	842.11	8,892.67	8,798.35	94.32	94.286	
17,000.00	7,950.00	7,450.00	7,383.82	248.04	30.85	-77.80	642.70	842.11	8,987.99	8,893.62	94.37	95.243	
17,100.00	7,950.00	7,450.00	7,383.82	250.70	30.85	-77.80	642.70	842.11	9,083.41	8,988.99	94.42	96.200	
17,200.00	7,950.00	7,450.00	7,383.82	253.36	30.85	-77.80	642.70	842.11	9,178.93	9,084.45	94.47	97.158	
17,300.00	7,950.00	7,450.00	7,383.82	256.02	30.85	-77.80	642.70	842.11	9,274.54	9,180.01	94.53	98.116	
17,400.00	7,950.00	7,450.00	7,383.82	258.69	30.85	-77.80	642.70	842.11	9,370.25	9,275.67	94.58	99.074	
17,500.00	7,950.00	7,450.00	7,383.82	261.35	30.85	-77.80	642.70	842.11	9,466.04	9,371.41	94.63	100.032	
17,600.00	7,950.00	7,450.00	7,383.82	264.01	30.85	-77.80	642.70	842.11	9,561.92	9,467.24	94.68	100.990	
17,700.00	7,950.00	7,450.00	7,383.82	266.68	30.85	-77.80	642.70	842.11	9,657.88	9,563.15	94.73	101.949	
17,800.00	7,950.00	7,450.00	7,383.82	269.34	30.85	-77.80	642.70	842.11	9,753.93	9,659.15	94.78	102.907	
17,900.00	7,950.00	7,450.00	7,383.82	272.01	30.85	-77.80	642.70	842.11	9,850.05	9,755.22	94.83	103.866	
18,000.00	7,950.00	7,450.00	7,383.82	274.68	30.85	-77.80	642.70	842.11	9,946.25	9,851.37	94.89	104.824	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - LONE TREE 4-65 15-16 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	4.40	4.40	0.00	0.01	-0.13	124.94	-0.28	124.94					
100.00	100.00	104.40	104.40	0.13	0.15	-0.13	124.94	-0.28	124.94	124.66	0.28	438.975		
200.00	200.00	204.40	204.40	0.49	0.51	-0.13	124.94	-0.28	124.94	123.94	1.00	124.748		
250.00	250.00	254.42	254.42	0.67	0.69	-0.13	124.94	-0.28	124.94	123.58	1.36	91.889		
250.65	250.65	255.08	255.08	0.67	0.69	-169.06	124.94	-0.28	124.94	123.58	1.36	91.585 CC, ES		
300.00	300.00	304.69	304.69	0.84	0.86	-168.86	124.88	0.24	125.31	123.60	1.71	73.421		
400.00	399.93	405.10	405.02	1.18	1.21	-167.52	124.43	3.88	128.32	125.92	2.40	53.513		
500.00	499.68	505.11	504.77	1.54	1.58	-165.10	123.55	10.98	134.54	131.42	3.12	43.177		
600.00	599.13	604.49	603.58	1.91	1.95	-161.90	122.25	21.46	144.25	140.40	3.86	37.413		
700.00	698.15	703.29	701.63	2.31	2.34	-158.90	120.75	33.54	157.65	153.04	4.62	34.157		
800.00	796.63	801.68	799.27	2.74	2.74	-156.78	119.25	45.57	174.56	169.17	5.39	32.399		
900.00	894.44	900.46	896.39	3.20	3.14	-155.42	117.77	57.54	194.75	188.58	6.17	31.541		
1,000.00	991.46	1,003.25	992.86	3.70	3.55	-154.64	116.29	69.43	218.09	211.10	6.99	31.200		
1,026.71	1,017.23	1,022.59	1,018.50	3.84	3.63	-154.52	115.90	72.59	224.84	217.66	7.18	31.310		
1,100.00	1,087.84	1,106.58	1,088.79	4.23	3.98	-154.39	114.82	81.26	243.67	235.86	7.82	31.177		
1,200.00	1,184.19	1,209.94	1,184.69	4.78	4.40	-154.25	113.36	93.08	269.37	260.73	8.64	31.172		
1,300.00	1,280.54	1,286.70	1,280.60	5.33	4.71	-154.13	111.89	104.90	295.07	285.70	9.36	31.511		
1,400.00	1,376.88	1,383.34	1,376.50	5.89	5.11	-154.03	110.42	116.72	320.77	310.59	10.17	31.531		
1,500.00	1,473.23	1,479.98	1,472.40	6.45	5.51	-153.95	108.96	128.54	346.47	335.48	10.99	31.538		
1,600.00	1,569.58	1,576.62	1,568.31	7.02	5.91	-153.87	107.49	140.36	372.17	360.36	11.80	31.536		
1,700.00	1,665.92	1,673.26	1,664.21	7.59	6.30	-153.81	106.02	152.18	397.87	385.25	12.62	31.528		
1,800.00	1,762.27	1,769.90	1,760.11	8.16	6.70	-153.75	104.55	164.00	423.57	410.13	13.44	31.517		
1,900.00	1,858.62	1,866.54	1,856.02	8.73	7.10	-153.71	103.09	175.82	449.27	435.01	14.26	31.503		
2,000.00	1,954.97	1,963.18	1,951.92	9.31	7.50	-153.66	101.62	187.64	474.97	459.89	15.08	31.488		
2,100.00	2,051.31	2,059.82	2,047.82	9.88	7.90	-153.62	100.15	199.46	500.67	484.76	15.91	31.472		
2,200.00	2,147.66	2,156.46	2,143.73	10.46	8.30	-153.59	98.69	211.28	526.37	509.64	16.73	31.456		
2,300.00	2,244.01	2,253.10	2,239.63	11.04	8.70	-153.55	97.22	223.10	552.07	534.52	17.56	31.440		
2,400.00	2,340.35	2,349.74	2,335.53	11.62	9.10	-153.52	95.75	234.92	577.78	559.39	18.39	31.424		
2,500.00	2,436.70	2,446.38	2,431.44	12.19	9.50	-153.50	94.29	246.74	603.48	584.27	19.21	31.409		
2,600.00	2,533.05	2,543.02	2,527.34	12.77	9.90	-153.47	92.82	258.56	629.18	609.14	20.04	31.393		
2,700.00	2,629.39	2,639.66	2,623.24	13.35	10.30	-153.45	91.35	270.38	654.88	634.01	20.87	31.379		
2,800.00	2,725.74	2,736.30	2,719.15	13.93	10.70	-153.43	89.88	282.20	680.59	658.89	21.70	31.364		
2,900.00	2,822.09	2,832.94	2,815.05	14.51	11.10	-153.41	88.42	294.02	706.29	683.76	22.53	31.351		
3,000.00	2,918.44	2,929.58	2,910.95	15.09	11.50	-153.39	86.95	305.84	731.99	708.63	23.36	31.337		
3,100.00	3,014.78	3,026.22	3,006.86	15.67	11.90	-153.37	85.48	317.66	757.70	733.51	24.19	31.325		
3,200.00	3,111.13	3,122.86	3,102.76	16.25	12.30	-153.36	84.02	329.48	783.40	758.38	25.02	31.312		
3,300.00	3,207.48	3,219.50	3,198.66	16.84	12.70	-153.34	82.55	341.30	809.10	783.25	25.85	31.300		
3,400.00	3,303.82	3,316.14	3,294.57	17.42	13.10	-153.33	81.08	353.12	834.80	808.12	26.68	31.289		
3,500.00	3,400.17	3,412.78	3,390.47	18.00	13.50	-153.32	79.61	364.94	860.51	833.00	27.51	31.278		
3,600.00	3,496.52	3,509.42	3,486.37	18.58	13.90	-153.30	78.15	376.76	886.21	857.87	28.34	31.267		
3,700.00	3,592.87	3,606.06	3,582.28	19.16	14.30	-153.29	76.68	388.58	911.91	882.74	29.17	31.257		
3,800.00	3,689.21	3,702.70	3,678.18	19.74	14.70	-153.28	75.21	400.40	937.62	907.61	30.01	31.247		
3,900.00	3,785.56	3,800.66	3,774.08	20.33	15.11	-153.27	73.75	412.22	963.32	932.48	30.84	31.232		
4,000.00	3,881.91	3,904.02	3,869.99	20.91	15.54	-153.26	72.28	424.04	989.02	957.32	31.70	31.196		
4,100.00	3,978.25	4,007.37	3,965.89	21.49	15.96	-153.25	70.81	435.86	1,014.73	982.16	32.56	31.161		
4,200.00	4,074.60	4,089.27	4,061.79	22.07	16.30	-153.24	69.35	447.68	1,040.43	1,007.09	33.34	31.211		
4,300.00	4,170.95	4,185.91	4,157.70	22.65	16.70	-153.23	67.88	459.50	1,066.13	1,031.96	34.17	31.203		
4,400.00	4,267.29	4,282.55	4,253.60	23.24	17.11	-153.23	66.41	471.32	1,091.84	1,056.84	35.00	31.195		
4,500.00	4,363.64	4,379.19	4,349.50	23.82	17.51	-153.22	64.94	483.14	1,117.54	1,081.71	35.83	31.187		
4,600.00	4,459.99	4,475.83	4,445.41	24.40	17.91	-153.21	63.48	494.96	1,143.24	1,106.58	36.67	31.179		
4,700.00	4,556.34	4,572.47	4,541.31	24.98	18.31	-153.20	62.01	506.78	1,168.95	1,131.45	37.50	31.172		
4,800.00	4,652.68	4,669.11	4,637.21	25.57	18.71	-153.20	60.54	518.60	1,194.65	1,156.32	38.33	31.165		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - LONE TREE 4-65 15-16 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		
4,900.00	4,749.03	4,765.75	4,733.12	26.15	19.11	-153.19	59.08	530.42	1,220.35	1,181.19	39.17	31.158		
5,000.00	4,845.38	4,862.39	4,829.02	26.73	19.51	-153.19	57.61	542.24	1,246.06	1,206.06	40.00	31.151		
5,100.00	4,941.72	4,959.03	4,924.92	27.32	19.91	-153.18	56.14	554.06	1,271.76	1,230.93	40.83	31.145		
5,200.00	5,038.07	5,055.67	5,020.83	27.90	20.31	-153.17	54.68	565.88	1,297.46	1,255.80	41.67	31.139		
5,300.00	5,134.42	5,152.31	5,116.73	28.48	20.71	-153.17	53.21	577.70	1,323.17	1,280.67	42.50	31.133		
5,400.00	5,230.76	5,248.95	5,212.63	29.06	21.11	-153.16	51.74	589.52	1,348.87	1,305.53	43.33	31.127		
5,500.00	5,327.11	5,345.59	5,308.54	29.65	21.51	-153.16	50.27	601.34	1,374.57	1,330.40	44.17	31.121		
5,600.00	5,423.46	5,442.23	5,404.44	30.23	21.91	-153.15	48.81	613.16	1,400.28	1,355.27	45.00	31.115		
5,700.00	5,519.81	5,538.87	5,500.34	30.81	22.31	-153.15	47.34	624.98	1,425.98	1,380.14	45.84	31.110		
5,800.00	5,616.15	5,635.51	5,596.25	31.40	22.71	-153.14	45.87	636.80	1,451.68	1,405.01	46.67	31.104		
5,900.00	5,712.50	5,732.15	5,692.15	31.98	23.12	-153.14	44.41	648.62	1,477.39	1,429.88	47.51	31.099		
6,000.00	5,808.85	5,828.79	5,788.05	32.56	23.52	-153.14	42.94	660.44	1,503.09	1,454.75	48.34	31.094		
6,100.00	5,905.19	5,925.43	5,883.96	33.15	23.92	-153.13	41.47	672.26	1,528.79	1,479.62	49.18	31.089		
6,200.00	6,001.54	6,022.07	5,979.86	33.73	24.32	-153.13	40.01	684.08	1,554.50	1,504.49	50.01	31.084		
6,300.00	6,097.89	6,118.71	6,075.76	34.31	24.72	-153.12	38.54	695.90	1,580.20	1,529.36	50.84	31.079		
6,400.00	6,194.24	6,215.35	6,171.67	34.90	25.12	-153.12	37.07	707.72	1,605.90	1,554.23	51.68	31.074		
6,500.00	6,290.58	6,311.99	6,267.57	35.48	25.52	-153.12	35.60	719.54	1,631.61	1,579.09	52.51	31.070		
6,600.00	6,386.93	6,408.63	6,363.47	36.06	25.92	-153.11	34.14	731.36	1,657.31	1,603.96	53.35	31.065		
6,700.00	6,483.28	6,505.27	6,459.38	36.65	26.32	-153.11	32.67	743.18	1,683.02	1,628.83	54.18	31.061		
6,800.00	6,579.62	6,601.91	6,555.28	37.23	26.72	-153.11	31.20	755.00	1,708.72	1,653.70	55.02	31.056		
6,900.00	6,675.97	6,701.45	6,651.18	37.81	27.13	-153.10	29.74	766.82	1,734.42	1,678.56	55.87	31.045		
7,000.00	6,772.32	6,795.19	6,747.09	38.40	27.52	-153.10	28.27	778.64	1,760.13	1,703.44	56.69	31.048		
7,100.00	6,868.66	6,908.17	6,842.99	38.98	27.99	-153.10	26.80	790.46	1,785.83	1,728.24	57.59	31.007		
7,200.00	6,965.01	6,988.47	6,938.89	39.56	28.32	-153.09	25.33	802.28	1,811.53	1,753.17	58.36	31.040		
7,300.00	7,061.36	7,085.11	7,034.80	40.15	28.73	-153.09	23.87	814.10	1,837.24	1,778.04	59.20	31.036		
7,400.00	7,157.71	7,181.75	7,130.70	40.73	29.13	-153.09	22.40	825.92	1,862.94	1,802.91	60.03	31.032		
7,500.00	7,254.05	7,278.39	7,226.60	41.31	29.53	-153.09	20.93	837.74	1,888.64	1,827.77	60.87	31.028		
7,600.00	7,350.40	7,600.00	7,692.44	41.90	30.25	-159.06	12.62	688.54	1,902.63	1,841.23	61.41	30.984		
7,679.74	7,427.23	7,983.19	7,812.13	42.36	30.59	-164.06	9.80	530.76	1,907.13	1,845.80	61.33	31.097		
7,700.00	7,446.72	8,005.56	7,821.93	42.48	30.64	-157.63	9.52	510.66	1,908.37	1,846.97	61.41	31.078		
7,750.00	7,494.53	8,039.29	7,835.20	42.78	30.73	-143.58	9.13	479.66	1,911.91	1,850.26	61.65	31.014		
7,800.00	7,541.59	8,053.68	7,840.30	43.09	30.77	-132.65	8.98	466.20	1,916.34	1,854.46	61.88	30.967		
7,850.00	7,587.55	8,056.70	7,841.33	43.39	30.78	-124.34	8.94	463.36	1,921.77	1,859.68	62.09	30.950 SF		
7,900.00	7,632.06	8,052.56	7,839.91	43.70	30.77	-117.89	8.99	467.26	1,928.18	1,865.91	62.27	30.965		
7,950.00	7,674.78	8,043.65	7,836.78	44.01	30.74	-112.71	9.09	475.59	1,935.49	1,873.08	62.41	31.014		
8,000.00	7,715.39	8,031.44	7,832.27	44.33	30.71	-108.38	9.22	486.94	1,943.58	1,881.06	62.51	31.091		
8,050.00	7,753.58	8,016.86	7,826.58	44.64	30.67	-104.67	9.39	500.36	1,952.31	1,889.72	62.59	31.192		
8,100.00	7,789.06	8,000.51	7,819.79	44.95	30.63	-101.39	9.59	515.23	1,961.56	1,898.92	62.64	31.314		
8,150.00	7,821.55	7,982.83	7,811.97	45.26	30.59	-98.46	9.80	531.08	1,971.17	1,908.48	62.69	31.444		
8,200.00	7,850.82	7,964.13	7,803.17	45.57	30.55	-95.81	10.04	547.59	1,981.00	1,918.27	62.73	31.581		
8,250.00	7,876.63	7,944.62	7,793.42	45.89	30.51	-93.40	10.29	564.49	1,990.90	1,928.13	62.77	31.718		
8,300.00	7,898.79	7,924.47	7,782.76	46.21	30.48	-91.20	10.56	581.58	2,000.72	1,937.89	62.83	31.846		
8,350.00	7,917.13	7,903.81	7,771.21	46.53	30.45	-89.21	10.84	598.70	2,010.32	1,947.43	62.89	31.964		
8,400.00	7,931.52	7,882.75	7,758.81	46.86	30.43	-87.41	11.14	615.72	2,019.57	1,956.58	62.99	32.062		
8,450.00	7,941.84	7,861.36	7,745.58	47.20	30.41	-85.82	11.45	632.53	2,028.35	1,965.24	63.11	32.140		
8,500.00	7,948.02	7,839.70	7,731.56	47.54	30.39	-84.42	11.77	649.03	2,036.54	1,973.28	63.26	32.194		
8,548.56	7,950.00	7,818.46	7,717.21	47.88	30.37	-83.27	12.09	664.69	2,043.81	1,980.38	63.43	32.221		
8,600.00	7,950.00	7,800.00	7,704.28	48.26	30.36	-82.90	12.37	677.85	2,051.57	1,987.93	63.64	32.238		
8,700.00	7,950.00	7,758.77	7,673.90	49.08	30.34	-82.06	13.02	705.71	2,069.21	2,005.13	64.08	32.293		
8,800.00	7,950.00	7,725.95	7,648.34	50.02	30.32	-81.35	13.54	726.28	2,090.39	2,025.83	64.56	32.377		
8,900.00	7,950.00	7,700.00	7,627.32	51.07	30.31	-80.77	13.97	741.49	2,115.22	2,050.12	65.10	32.492		
9,000.00	7,950.00	7,672.53	7,604.34	52.25	30.29	-80.13	14.42	756.53	2,143.72	2,078.07	65.65	32.654		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - LONE TREE 4-65 15-16 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		
9,100.00	7,950.00	7,650.00	7,584.98	53.55	30.28	-79.60	14.80	768.04	2,175.88	2,109.66	66.22	32.856		
9,200.00	7,950.00	7,631.44	7,568.69	54.97	30.26	-79.16	15.11	776.94	2,211.64	2,144.83	66.82	33.100		
9,300.00	7,950.00	7,614.37	7,553.46	56.50	30.25	-78.74	15.40	784.65	2,250.90	2,183.49	67.41	33.391		
9,400.00	7,950.00	7,600.00	7,540.48	58.13	30.24	-78.39	15.64	790.79	2,293.55	2,225.54	68.01	33.725		
9,500.00	7,950.00	7,600.00	7,540.48	59.85	30.24	-78.39	15.64	790.79	2,339.57	2,270.91	68.66	34.074		
9,600.00	7,950.00	7,573.26	7,515.92	61.66	30.21	-77.72	16.09	801.34	2,388.42	2,319.27	69.15	34.538		
9,700.00	7,950.00	7,550.00	7,494.17	63.55	30.19	-77.13	16.49	809.58	2,440.44	2,370.81	69.63	35.047		
9,800.00	7,950.00	7,550.00	7,494.17	65.51	30.19	-77.13	16.49	809.58	2,495.04	2,424.82	70.22	35.530		
9,900.00	7,950.00	7,550.00	7,494.17	67.52	30.19	-77.13	16.49	809.58	2,552.39	2,481.61	70.79	36.058		
10,000.00	7,950.00	7,550.00	7,494.17	69.60	30.19	-77.13	16.49	809.58	2,612.32	2,541.00	71.32	36.630		
10,100.00	7,950.00	7,526.89	7,472.25	71.72	30.16	-76.55	16.88	816.88	2,674.23	2,602.55	71.69	37.305		
10,200.00	7,950.00	7,519.82	7,465.48	73.89	30.15	-76.37	17.00	818.94	2,738.49	2,666.37	72.12	37.971		
10,300.00	7,950.00	7,500.00	7,446.40	76.09	30.12	-75.86	17.34	824.26	2,804.91	2,732.46	72.45	38.714		
10,400.00	7,950.00	7,500.00	7,446.40	78.34	30.12	-75.86	17.34	824.26	2,872.99	2,800.11	72.88	39.422		
10,500.00	7,950.00	7,500.00	7,446.40	80.61	30.12	-75.86	17.34	824.26	2,942.89	2,869.61	73.28	40.161		
10,600.00	7,950.00	7,500.00	7,446.40	82.91	30.12	-75.86	17.34	824.26	3,014.49	2,940.84	73.65	40.930		
10,700.00	7,950.00	7,500.00	7,446.40	85.24	30.12	-75.86	17.34	824.26	3,087.67	3,013.67	74.00	41.725		
10,800.00	7,950.00	7,500.00	7,446.40	87.60	30.12	-75.86	17.34	824.26	3,162.32	3,087.99	74.33	42.546		
10,900.00	7,950.00	7,500.00	7,446.40	89.97	30.12	-75.86	17.34	824.26	3,238.33	3,163.70	74.63	43.389		
11,000.00	7,950.00	7,478.68	7,425.68	92.37	30.08	-75.31	17.70	829.24	3,315.24	3,240.43	74.81	44.318		
11,100.00	7,950.00	7,474.91	7,421.99	94.78	30.08	-75.21	17.76	830.05	3,393.56	3,318.51	75.06	45.213		
11,200.00	7,950.00	7,471.37	7,418.52	97.21	30.07	-75.12	17.82	830.78	3,472.98	3,397.68	75.30	46.125		
11,300.00	7,950.00	7,450.00	7,397.53	99.65	30.03	-74.57	18.18	834.72	3,553.69	3,478.27	75.42	47.120		
11,400.00	7,950.00	7,450.00	7,397.53	102.11	30.03	-74.57	18.18	834.72	3,634.99	3,559.35	75.65	48.052		
11,500.00	7,950.00	7,450.00	7,397.53	104.58	30.03	-74.57	18.18	834.72	3,717.21	3,641.34	75.86	48.998		
11,600.00	7,950.00	7,450.00	7,397.53	107.07	30.03	-74.57	18.18	834.72	3,800.27	3,724.21	76.07	49.959		
11,700.00	7,950.00	7,450.00	7,397.53	109.56	30.03	-74.57	18.18	834.72	3,884.14	3,807.88	76.26	50.933		
11,800.00	7,950.00	7,450.00	7,397.53	112.07	30.03	-74.57	18.18	834.72	3,968.75	3,892.31	76.44	51.920		
11,900.00	7,950.00	7,450.00	7,397.53	114.58	30.03	-74.57	18.18	834.72	4,054.07	3,977.45	76.61	52.917		
12,000.00	7,950.00	7,450.00	7,397.53	117.10	30.03	-74.57	18.18	834.72	4,140.04	4,063.26	76.77	53.925		
12,100.00	7,950.00	7,450.00	7,397.53	119.63	30.03	-74.57	18.18	834.72	4,226.62	4,149.70	76.93	54.943		
12,200.00	7,950.00	7,450.00	7,397.53	122.17	30.03	-74.57	18.18	834.72	4,313.79	4,236.72	77.07	55.970		
12,300.00	7,950.00	7,450.00	7,397.53	124.72	30.03	-74.57	18.18	834.72	4,401.51	4,324.29	77.21	57.005		
12,400.00	7,950.00	7,450.00	7,397.53	127.27	30.03	-74.57	18.18	834.72	4,489.73	4,412.39	77.34	58.048		
12,500.00	7,950.00	7,450.00	7,397.53	129.82	30.03	-74.57	18.18	834.72	4,578.45	4,500.98	77.47	59.099		
12,600.00	7,950.00	7,450.00	7,397.53	132.39	30.03	-74.57	18.18	834.72	4,667.61	4,590.02	77.59	60.156		
12,700.00	7,950.00	7,450.00	7,397.53	134.96	30.03	-74.57	18.18	834.72	4,757.21	4,679.51	77.71	61.220		
12,800.00	7,950.00	7,450.00	7,397.53	137.53	30.03	-74.57	18.18	834.72	4,847.22	4,769.40	77.82	62.289		
12,900.00	7,950.00	7,450.00	7,397.53	140.11	30.03	-74.57	18.18	834.72	4,937.61	4,859.69	77.92	63.364		
13,000.00	7,950.00	7,450.00	7,397.53	142.69	30.03	-74.57	18.18	834.72	5,028.36	4,950.34	78.03	64.445		
13,100.00	7,950.00	7,450.00	7,397.53	145.28	30.03	-74.57	18.18	834.72	5,119.46	5,041.34	78.12	65.529		
13,200.00	7,950.00	7,427.83	7,375.61	147.87	29.99	-73.99	18.55	837.99	5,210.45	5,132.32	78.13	66.693		
13,300.00	7,950.00	7,426.49	7,374.27	150.47	29.98	-73.96	18.57	838.16	5,302.13	5,223.91	78.21	67.791		
13,400.00	7,950.00	7,425.19	7,372.98	153.07	29.98	-73.92	18.59	838.32	5,394.10	5,315.80	78.30	68.892		
13,500.00	7,950.00	7,423.94	7,371.74	155.67	29.98	-73.89	18.61	838.48	5,486.35	5,407.97	78.38	69.997		
13,600.00	7,950.00	7,422.73	7,370.54	158.28	29.97	-73.86	18.63	838.62	5,578.86	5,500.40	78.46	71.105		
13,700.00	7,950.00	7,400.00	7,347.93	160.88	29.93	-73.27	19.01	840.89	5,672.05	5,593.60	78.45	72.306		
13,800.00	7,950.00	7,400.00	7,347.93	163.50	29.93	-73.27	19.01	840.89	5,765.01	5,686.48	78.53	73.414		
13,900.00	7,950.00	7,400.00	7,347.93	166.11	29.93	-73.27	19.01	840.89	5,858.20	5,779.60	78.61	74.525		
14,000.00	7,950.00	7,400.00	7,347.93	168.73	29.93	-73.27	19.01	840.89	5,951.62	5,872.93	78.68	75.639		
14,100.00	7,950.00	7,400.00	7,347.93	171.35	29.93	-73.27	19.01	840.89	6,045.25	5,966.49	78.76	76.755		
14,200.00	7,950.00	7,400.00	7,347.93	173.97	29.93	-73.27	19.01	840.89	6,139.07	6,060.24	78.83	77.873		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - LONE TREE 4-65 15-16 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	
14,300.00	7,950.00	7,400.00	7,347.93	176.59	29.93	-73.27	19.01	840.89	6,233.09	6,154.19	78.91	78.993	
14,400.00	7,950.00	7,400.00	7,347.93	179.22	29.93	-73.27	19.01	840.89	6,327.30	6,248.32	78.98	80.114	
14,500.00	7,950.00	7,400.00	7,347.93	181.85	29.93	-73.27	19.01	840.89	6,421.67	6,342.62	79.05	81.237	
14,600.00	7,950.00	7,400.00	7,347.93	184.48	29.93	-73.27	19.01	840.89	6,516.22	6,437.10	79.12	82.361	
14,700.00	7,950.00	7,400.00	7,347.93	187.11	29.93	-73.27	19.01	840.89	6,610.93	6,531.74	79.19	83.487	
14,800.00	7,950.00	7,400.00	7,347.93	189.75	29.93	-73.27	19.01	840.89	6,705.79	6,626.53	79.25	84.613	
14,900.00	7,950.00	7,400.00	7,347.93	192.38	29.93	-73.27	19.01	840.89	6,800.79	6,721.47	79.32	85.741	
15,000.00	7,950.00	7,400.00	7,347.93	195.02	29.93	-73.27	19.01	840.89	6,895.94	6,816.56	79.38	86.869	
15,100.00	7,950.00	7,400.00	7,347.93	197.66	29.93	-73.27	19.01	840.89	6,991.22	6,911.78	79.45	87.998	
15,200.00	7,950.00	7,400.00	7,347.93	200.30	29.93	-73.27	19.01	840.89	7,086.64	7,007.13	79.51	89.128	
15,300.00	7,950.00	7,400.00	7,347.93	202.94	29.93	-73.27	19.01	840.89	7,182.18	7,102.60	79.57	90.258	
15,400.00	7,950.00	7,400.00	7,347.93	205.59	29.93	-73.27	19.01	840.89	7,277.84	7,198.20	79.64	91.389	
15,500.00	7,950.00	7,400.00	7,347.93	208.23	29.93	-73.27	19.01	840.89	7,373.61	7,293.91	79.70	92.520	
15,600.00	7,950.00	7,400.00	7,347.93	210.88	29.93	-73.27	19.01	840.89	7,469.49	7,389.73	79.76	93.651	
15,700.00	7,950.00	7,400.00	7,347.93	213.52	29.93	-73.27	19.01	840.89	7,565.49	7,485.66	79.82	94.782	
15,800.00	7,950.00	7,400.00	7,347.93	216.17	29.93	-73.27	19.01	840.89	7,661.58	7,581.70	79.88	95.913	
15,900.00	7,950.00	7,400.00	7,347.93	218.82	29.93	-73.27	19.01	840.89	7,757.77	7,677.83	79.94	97.044	
16,000.00	7,950.00	7,400.00	7,347.93	221.47	29.93	-73.27	19.01	840.89	7,854.06	7,774.06	80.00	98.175	
16,100.00	7,950.00	7,400.00	7,347.93	224.13	29.93	-73.27	19.01	840.89	7,950.44	7,870.38	80.06	99.305	
16,200.00	7,950.00	7,400.00	7,347.93	226.78	29.93	-73.27	19.01	840.89	8,046.91	7,966.78	80.12	100.435	
16,300.00	7,950.00	7,400.00	7,347.93	229.43	29.93	-73.27	19.01	840.89	8,143.46	8,063.28	80.18	101.565	
16,400.00	7,950.00	7,400.00	7,347.93	232.09	29.93	-73.27	19.01	840.89	8,240.09	8,159.85	80.24	102.695	
16,500.00	7,950.00	7,400.00	7,347.93	234.75	29.93	-73.27	19.01	840.89	8,336.81	8,256.51	80.30	103.824	
16,600.00	7,950.00	7,400.00	7,347.93	237.40	29.93	-73.27	19.01	840.89	8,433.60	8,353.24	80.36	104.952	
16,700.00	7,950.00	7,400.00	7,347.93	240.06	29.93	-73.27	19.01	840.89	8,530.46	8,450.05	80.42	106.080	
16,800.00	7,950.00	7,400.00	7,347.93	242.72	29.93	-73.27	19.01	840.89	8,627.40	8,546.92	80.47	107.207	
16,900.00	7,950.00	7,400.00	7,347.93	245.38	29.93	-73.27	19.01	840.89	8,724.40	8,643.87	80.53	108.333	
17,000.00	7,950.00	7,400.00	7,347.93	248.04	29.93	-73.27	19.01	840.89	8,821.48	8,740.89	80.59	109.459	
17,100.00	7,950.00	7,400.00	7,347.93	250.70	29.93	-73.27	19.01	840.89	8,918.61	8,837.96	80.65	110.583	
17,200.00	7,950.00	7,400.00	7,347.93	253.36	29.93	-73.27	19.01	840.89	9,015.81	8,935.10	80.71	111.707	
17,300.00	7,950.00	7,400.00	7,347.93	256.02	29.93	-73.27	19.01	840.89	9,113.07	9,032.31	80.77	112.829	
17,400.00	7,950.00	7,400.00	7,347.93	258.69	29.93	-73.27	19.01	840.89	9,210.39	9,129.57	80.83	113.951	
17,500.00	7,950.00	7,400.00	7,347.93	261.35	29.93	-73.27	19.01	840.89	9,307.77	9,226.88	80.89	115.072	
17,600.00	7,950.00	7,400.00	7,347.93	264.01	29.93	-73.27	19.01	840.89	9,405.20	9,324.26	80.95	116.191	
17,700.00	7,950.00	7,400.00	7,347.93	266.68	29.93	-73.27	19.01	840.89	9,502.69	9,421.68	81.01	117.310	
17,800.00	7,950.00	7,400.00	7,347.93	269.34	29.93	-73.27	19.01	840.89	9,600.22	9,519.16	81.06	118.427	
17,900.00	7,950.00	7,400.00	7,347.93	272.01	29.93	-73.27	19.01	840.89	9,697.81	9,616.68	81.12	119.543	
18,000.00	7,950.00	7,400.00	7,347.93	274.68	29.93	-73.27	19.01	840.89	9,795.44	9,714.26	81.18	120.657	
18,100.00	7,950.00	7,400.00	7,347.93	277.34	29.93	-73.27	19.01	840.89	9,893.12	9,811.88	81.24	121.771	
18,200.00	7,950.00	7,400.00	7,347.93	280.01	29.93	-73.27	19.01	840.89	9,990.85	9,909.55	81.30	122.883	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - LONE TREE 4-65 15-16 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	0.00	0.00	0.00	0.00	0.00	75.04	0.00	75.04					
100.00	100.00	100.00	100.00	0.13	0.13	0.00	75.04	0.00	75.04	74.77	0.27	279.107		
200.00	200.00	200.00	200.00	0.49	0.49	0.00	75.04	0.00	75.04	74.05	0.99	76.120		
250.00	250.00	250.00	250.00	0.67	0.67	0.00	75.04	0.00	75.04	73.69	1.34	55.822 CC		
300.00	300.00	300.83	300.83	0.84	0.85	-168.73	74.76	0.35	75.19	73.50	1.69	44.464 ES		
400.00	399.93	402.44	402.37	1.18	1.20	-167.13	72.51	3.17	76.44	74.06	2.38	32.130		
500.00	499.68	503.92	503.59	1.54	1.56	-164.09	68.01	8.78	79.09	76.00	3.09	25.591		
600.00	599.13	605.17	604.26	1.91	1.95	-159.92	61.30	17.17	83.45	79.62	3.83	21.805		
700.00	698.15	705.98	704.06	2.31	2.35	-155.04	52.43	28.27	89.85	85.26	4.60	19.551		
800.00	796.63	805.32	802.19	2.74	2.77	-151.05	42.80	40.31	99.32	93.92	5.40	18.406		
900.00	894.44	904.40	900.08	3.20	3.19	-148.66	33.19	52.32	112.12	105.90	6.22	18.031 SF		
1,000.00	991.46	1,003.12	997.59	3.70	3.62	-147.55	23.61	64.29	127.95	120.90	7.06	18.134		
1,026.71	1,017.23	1,029.41	1,023.57	3.84	3.73	-147.42	21.06	67.48	132.68	125.40	7.28	18.213		
1,100.00	1,087.84	1,101.49	1,094.77	4.23	4.05	-147.32	14.07	76.21	145.93	138.03	7.90	18.463		
1,200.00	1,184.19	1,200.16	1,191.93	4.78	4.48	-147.21	4.54	88.14	164.02	155.26	8.76	18.728		
1,300.00	1,280.54	1,301.81	1,289.09	5.33	4.92	-147.12	-5.00	100.06	182.10	172.47	9.63	18.906		
1,400.00	1,376.88	1,403.46	1,386.25	5.89	5.37	-147.04	-14.54	111.98	200.19	189.67	10.51	19.045		
1,500.00	1,473.23	1,505.11	1,483.40	6.45	5.82	-146.98	-24.08	123.91	218.27	206.87	11.40	19.154		
1,600.00	1,569.58	1,606.76	1,580.56	7.02	6.27	-146.93	-33.61	135.83	236.35	224.07	12.28	19.243		
1,700.00	1,665.92	1,708.41	1,677.72	7.59	6.72	-146.88	-43.15	147.75	254.44	241.27	13.17	19.316		
1,800.00	1,762.27	1,789.94	1,774.88	8.16	7.08	-146.84	-52.69	159.68	272.52	258.55	13.98	19.498		
1,900.00	1,858.62	1,888.29	1,872.04	8.73	7.52	-146.81	-62.23	171.60	290.61	275.75	14.86	19.561		
2,000.00	1,954.97	1,986.64	1,969.20	9.31	7.96	-146.78	-71.77	183.52	308.69	292.96	15.74	19.615		
2,100.00	2,051.31	2,085.00	2,066.36	9.88	8.40	-146.75	-81.30	195.45	326.78	310.16	16.62	19.662		
2,200.00	2,147.66	2,183.35	2,163.51	10.46	8.84	-146.73	-90.84	207.37	344.86	327.36	17.50	19.702		
2,300.00	2,244.01	2,281.70	2,260.67	11.04	9.27	-146.71	-100.38	219.29	362.95	344.56	18.39	19.738		
2,400.00	2,340.35	2,380.05	2,357.83	11.62	9.71	-146.69	-109.92	231.22	381.04	361.76	19.27	19.770		
2,500.00	2,436.70	2,478.40	2,454.99	12.19	10.15	-146.67	-119.45	243.14	399.12	378.96	20.16	19.799		
2,600.00	2,533.05	2,576.75	2,552.15	12.77	10.59	-146.65	-128.99	255.06	417.21	396.16	21.05	19.824		
2,700.00	2,629.39	2,675.10	2,649.31	13.35	11.03	-146.64	-138.53	266.99	435.29	413.36	21.93	19.847		
2,800.00	2,725.74	2,773.45	2,746.46	13.93	11.47	-146.62	-148.07	278.91	453.38	430.56	22.82	19.868		
2,900.00	2,822.09	2,871.80	2,843.62	14.51	11.91	-146.61	-157.60	290.83	471.46	447.76	23.71	19.887		
3,000.00	2,918.44	2,970.15	2,940.78	15.09	12.35	-146.60	-167.14	302.76	489.55	464.95	24.60	19.904		
3,100.00	3,014.78	3,068.50	3,037.94	15.67	12.79	-146.59	-176.68	314.68	507.63	482.15	25.48	19.919		
3,200.00	3,111.13	3,166.86	3,135.10	16.25	13.22	-146.58	-186.22	326.60	525.72	499.35	26.37	19.934		
3,300.00	3,207.48	3,265.21	3,232.26	16.84	13.66	-146.57	-195.76	338.53	543.81	516.54	27.26	19.947		
3,400.00	3,303.82	3,363.56	3,329.42	17.42	14.10	-146.56	-205.29	350.45	561.89	533.74	28.15	19.959		
3,500.00	3,400.17	3,461.91	3,426.57	18.00	14.54	-146.55	-214.83	362.37	579.98	550.93	29.04	19.971		
3,600.00	3,496.52	3,560.26	3,523.73	18.58	14.98	-146.54	-224.37	374.30	598.06	568.13	29.93	19.981		
3,700.00	3,592.87	3,658.61	3,620.89	19.16	15.42	-146.54	-233.91	386.22	616.15	585.33	30.82	19.991		
3,800.00	3,689.21	3,756.96	3,718.05	19.74	15.86	-146.53	-243.44	398.14	634.23	602.52	31.71	20.000		
3,900.00	3,785.56	3,855.31	3,815.21	20.33	16.30	-146.52	-252.98	410.07	652.32	619.72	32.60	20.008		
4,000.00	3,881.91	3,953.66	3,912.37	20.91	16.74	-146.52	-262.52	421.99	670.40	636.91	33.49	20.016		
4,100.00	3,978.25	4,052.01	4,009.53	21.49	17.18	-146.51	-272.06	433.91	688.49	654.11	34.38	20.024		
4,200.00	4,074.60	4,150.37	4,106.68	22.07	17.62	-146.51	-281.59	445.84	706.58	671.30	35.27	20.031		
4,300.00	4,170.95	4,248.72	4,203.84	22.65	18.06	-146.50	-291.13	457.76	724.66	688.50	36.17	20.037		
4,400.00	4,267.29	4,347.07	4,301.00	23.24	18.50	-146.49	-300.67	469.68	742.75	705.69	37.06	20.044		
4,500.00	4,363.64	4,445.42	4,398.16	23.82	18.94	-146.49	-310.21	481.61	760.83	722.89	37.95	20.050		
4,600.00	4,459.99	4,543.77	4,495.32	24.40	19.38	-146.49	-319.75	493.53	778.92	740.08	38.84	20.055		
4,700.00	4,556.34	4,642.12	4,592.48	24.98	19.82	-146.48	-329.28	505.45	797.00	757.27	39.73	20.060		
4,800.00	4,652.68	4,740.47	4,689.63	25.57	20.26	-146.48	-338.82	517.38	815.09	774.47	40.62	20.065		
4,900.00	4,749.03	4,838.82	4,786.79	26.15	20.70	-146.47	-348.36	529.30	833.18	791.66	41.51	20.070		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - LONE TREE 4-65 15-16 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		
5,000.00	4,845.38	4,937.17	4,883.95	26.73	21.14	-146.47	-357.90	541.22	851.26	808.86	42.41	20.074		
5,100.00	4,941.72	5,035.52	4,981.11	27.32	21.58	-146.47	-367.43	553.15	869.35	826.05	43.30	20.079		
5,200.00	5,038.07	5,133.87	5,078.27	27.90	22.02	-146.46	-376.97	565.07	887.43	843.24	44.19	20.083		
5,300.00	5,134.42	5,232.23	5,175.43	28.48	22.46	-146.46	-386.51	576.99	905.52	860.44	45.08	20.087		
5,400.00	5,230.76	5,330.58	5,272.59	29.06	22.90	-146.46	-396.05	588.92	923.60	877.63	45.97	20.090		
5,500.00	5,327.11	5,428.93	5,369.74	29.65	23.34	-146.45	-405.59	600.84	941.69	894.82	46.87	20.094		
5,600.00	5,423.46	5,527.28	5,466.90	30.23	23.78	-146.45	-415.12	612.76	959.78	912.02	47.76	20.097		
5,700.00	5,519.81	5,625.63	5,564.06	30.81	24.22	-146.45	-424.66	624.69	977.86	929.21	48.65	20.100		
5,800.00	5,616.15	5,723.98	5,661.22	31.40	24.66	-146.44	-434.20	636.61	995.95	946.41	49.54	20.103		
5,900.00	5,712.50	5,822.33	5,758.38	31.98	25.10	-146.44	-443.74	648.53	1,014.03	963.60	50.43	20.106		
6,000.00	5,808.85	5,920.68	5,855.54	32.56	25.54	-146.44	-453.27	660.46	1,032.12	980.79	51.33	20.109		
6,100.00	5,905.19	6,019.03	5,952.70	33.15	25.98	-146.44	-462.81	672.38	1,050.20	997.99	52.22	20.111		
6,200.00	6,001.54	6,117.38	6,049.85	33.73	26.42	-146.43	-472.35	684.30	1,068.29	1,015.18	53.11	20.114		
6,300.00	6,097.89	6,215.73	6,147.01	34.31	26.86	-146.43	-481.89	696.23	1,086.38	1,032.37	54.00	20.116		
6,400.00	6,194.24	6,314.09	6,244.17	34.90	27.30	-146.43	-491.42	708.15	1,104.46	1,049.56	54.90	20.119		
6,500.00	6,290.58	6,412.44	6,341.33	35.48	27.74	-146.43	-500.96	720.07	1,122.55	1,066.76	55.79	20.121		
6,600.00	6,386.93	6,510.79	6,438.49	36.06	28.18	-146.42	-510.50	731.99	1,140.63	1,083.95	56.68	20.123		
6,700.00	6,483.28	6,609.14	6,535.65	36.65	28.62	-146.42	-520.04	743.92	1,158.72	1,101.14	57.58	20.125		
6,800.00	6,579.62	6,707.49	6,632.80	37.23	29.06	-146.42	-529.58	755.84	1,176.80	1,118.34	58.47	20.127		
6,900.00	6,675.97	6,805.84	6,729.96	37.81	29.50	-146.42	-539.11	767.76	1,194.89	1,135.53	59.36	20.129		
7,000.00	6,772.32	6,904.19	6,827.12	38.40	29.94	-146.42	-548.65	779.69	1,212.98	1,152.72	60.25	20.131		
7,100.00	6,868.66	7,002.54	6,924.28	38.98	30.38	-146.41	-558.19	791.61	1,231.06	1,169.91	61.15	20.133		
7,200.00	6,965.01	7,100.89	7,021.44	39.56	30.82	-146.41	-567.73	803.53	1,249.15	1,187.11	62.04	20.134		
7,300.00	7,061.36	7,199.24	7,118.60	40.15	31.26	-146.41	-577.26	815.46	1,267.23	1,204.30	62.93	20.136		
7,400.00	7,157.71	7,302.41	7,215.76	40.73	31.73	-146.41	-586.80	827.38	1,285.32	1,221.47	63.85	20.131		
7,500.00	7,254.05	7,408.51	7,325.34	41.31	32.20	-146.42	-597.56	840.65	1,303.40	1,238.58	64.81	20.110		
7,600.00	7,350.40	7,504.80	7,407.17	41.90	32.94	-156.61	-646.30	649.89	1,302.29	1,239.75	62.54	20.822		
7,679.74	7,427.23	8,098.56	7,890.19	42.36	32.88	-162.31	-655.22	526.09	1,293.06	1,231.19	61.87	20.899		
7,700.00	7,446.72	8,119.64	7,899.20	42.48	32.87	-156.47	-656.22	507.06	1,290.92	1,228.99	61.93	20.844		
7,750.00	7,494.53	8,151.71	7,911.55	42.78	32.87	-143.63	-657.61	477.50	1,286.39	1,224.16	62.23	20.670		
7,800.00	7,541.59	8,165.58	7,916.37	43.09	32.87	-133.63	-658.16	464.51	1,283.35	1,220.74	62.61	20.498		
7,850.00	7,587.55	8,168.57	7,917.37	43.39	32.87	-126.04	-658.27	461.69	1,282.02	1,219.07	62.95	20.365		
7,862.57	7,598.89	8,168.12	7,917.22	43.47	32.87	-124.43	-658.26	462.11	1,281.96	1,218.93	63.03	20.339		
7,900.00	7,632.06	8,164.63	7,916.06	43.70	32.87	-120.14	-658.12	465.39	1,282.46	1,219.22	63.23	20.282		
7,950.00	7,674.78	8,156.06	7,913.09	44.01	32.87	-115.36	-657.78	473.43	1,284.62	1,221.19	63.43	20.251		
8,000.00	7,715.39	8,144.23	7,908.82	44.33	32.87	-111.31	-657.30	484.45	1,288.43	1,224.87	63.56	20.271		
8,050.00	7,753.58	8,130.05	7,903.39	44.64	32.87	-107.75	-656.68	497.54	1,293.73	1,230.12	63.61	20.339		
8,100.00	7,789.06	8,114.11	7,896.90	44.95	32.88	-104.53	-655.96	512.08	1,300.38	1,236.79	63.59	20.450		
8,150.00	7,821.55	8,096.83	7,889.42	45.26	32.88	-101.55	-655.13	527.64	1,308.20	1,244.69	63.51	20.598		
8,200.00	7,850.82	8,078.50	7,880.98	45.57	32.89	-98.76	-654.20	543.88	1,317.02	1,253.62	63.40	20.774		
8,250.00	7,876.63	8,059.35	7,871.62	45.89	32.89	-96.13	-653.18	560.55	1,326.63	1,263.37	63.25	20.974		
8,300.00	7,898.79	8,039.54	7,861.35	46.21	32.90	-93.64	-652.07	577.45	1,336.84	1,273.75	63.09	21.189		
8,350.00	7,917.13	8,019.19	7,850.20	46.53	32.91	-91.30	-650.87	594.43	1,347.48	1,284.54	62.93	21.411		
8,400.00	7,931.52	8,000.00	7,839.15	46.86	32.92	-89.16	-649.69	610.07	1,358.35	1,295.57	62.78	21.637		
8,450.00	7,941.84	7,977.26	7,825.38	47.20	32.93	-87.08	-648.22	628.11	1,369.26	1,306.61	62.66	21.853		
8,500.00	7,948.02	7,950.00	7,807.96	47.54	32.94	-85.04	-646.38	648.99	1,380.09	1,317.53	62.55	22.062		
8,548.56	7,950.00	7,934.75	7,797.78	47.88	32.94	-83.57	-645.31	660.31	1,390.29	1,327.79	62.50	22.245		
8,600.00	7,950.00	7,913.12	7,782.84	48.26	32.95	-82.96	-643.74	675.87	1,401.55	1,339.09	62.46	22.441		
8,700.00	7,950.00	7,875.33	7,755.39	49.08	32.95	-81.84	-640.88	701.66	1,427.02	1,364.61	62.41	22.865		
8,800.00	7,950.00	7,850.00	7,736.06	50.02	32.95	-81.05	-638.87	717.91	1,457.36	1,394.91	62.45	23.336		
8,900.00	7,950.00	7,813.89	7,707.32	51.07	32.95	-79.90	-635.91	739.55	1,492.45	1,429.98	62.48	23.888		
9,000.00	7,950.00	7,800.00	7,695.91	52.25	32.95	-79.44	-634.73	747.38	1,532.40	1,469.73	62.67	24.452		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - LONE TREE 4-65 15-16 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		
9,100.00	7,950.00	7,766.84	7,667.93	53.55	32.93	-78.34	-631.87	764.94	1,576.71	1,513.94	62.76	25.121		
9,200.00	7,950.00	7,750.00	7,653.34	54.97	32.93	-77.76	-630.38	773.23	1,625.41	1,562.41	63.00	25.800		
9,300.00	7,950.00	7,730.12	7,635.82	56.50	32.91	-77.08	-628.59	782.45	1,678.14	1,614.91	63.23	26.540		
9,400.00	7,950.00	7,714.70	7,622.02	58.13	32.90	-76.55	-627.19	789.18	1,734.62	1,671.10	63.51	27.311		
9,500.00	7,950.00	7,700.00	7,608.70	59.85	32.89	-76.04	-625.84	795.24	1,794.55	1,730.74	63.81	28.124		
9,600.00	7,950.00	7,700.00	7,608.70	61.66	32.89	-76.04	-625.84	795.24	1,857.76	1,793.53	64.24	28.920		
9,700.00	7,950.00	7,677.16	7,587.70	63.55	32.86	-75.24	-623.71	803.98	1,923.64	1,859.19	64.45	29.846		
9,800.00	7,950.00	7,666.92	7,578.19	65.51	32.85	-74.88	-622.75	807.62	1,992.27	1,927.50	64.78	30.756		
9,900.00	7,950.00	7,650.00	7,562.31	67.52	32.83	-74.28	-621.15	813.26	2,063.36	1,998.33	65.03	31.729		
10,000.00	7,950.00	7,650.00	7,562.31	69.60	32.83	-74.28	-621.15	813.26	2,136.53	2,071.10	65.42	32.657		
10,100.00	7,950.00	7,650.00	7,562.31	71.72	32.83	-74.28	-621.15	813.26	2,211.79	2,145.99	65.80	33.615		
10,200.00	7,950.00	7,650.00	7,562.31	73.89	32.83	-74.28	-621.15	813.26	2,288.95	2,222.80	66.15	34.600		
10,300.00	7,950.00	7,627.33	7,540.80	76.09	32.80	-73.48	-618.98	820.08	2,367.35	2,301.04	66.31	35.703		
10,400.00	7,950.00	7,621.15	7,534.90	78.34	32.79	-73.26	-618.39	821.79	2,447.47	2,380.89	66.58	36.758		
10,500.00	7,950.00	7,600.00	7,514.54	80.61	32.75	-72.52	-616.34	827.15	2,529.16	2,462.44	66.73	37.904		
10,600.00	7,950.00	7,600.00	7,514.54	82.91	32.75	-72.52	-616.34	827.15	2,611.74	2,544.71	67.02	38.967		
10,700.00	7,950.00	7,600.00	7,514.54	85.24	32.75	-72.52	-616.34	827.15	2,695.49	2,628.19	67.31	40.048		
10,800.00	7,950.00	7,600.00	7,514.54	87.60	32.75	-72.52	-616.34	827.15	2,780.33	2,712.75	67.57	41.146		
10,900.00	7,950.00	7,600.00	7,514.54	89.97	32.75	-72.52	-616.34	827.15	2,866.13	2,798.31	67.82	42.258		
11,000.00	7,950.00	7,600.00	7,514.54	92.37	32.75	-72.52	-616.34	827.15	2,952.84	2,884.77	68.06	43.385		
11,100.00	7,950.00	7,600.00	7,514.54	94.78	32.75	-72.52	-616.34	827.15	3,040.36	2,972.07	68.29	44.524		
11,200.00	7,950.00	7,600.00	7,514.54	97.21	32.75	-72.52	-616.34	827.15	3,128.62	3,060.12	68.50	45.674		
11,300.00	7,950.00	7,600.00	7,514.54	99.65	32.75	-72.52	-616.34	827.15	3,217.58	3,148.88	68.70	46.834		
11,400.00	7,950.00	7,577.81	7,492.98	102.11	32.71	-71.74	-614.18	831.97	3,306.70	3,237.94	68.76	48.093		
11,500.00	7,950.00	7,574.74	7,489.99	104.58	32.70	-71.63	-613.89	832.56	3,396.73	3,327.80	68.92	49.282		
11,600.00	7,950.00	7,571.83	7,487.15	107.07	32.70	-71.53	-613.60	833.12	3,487.28	3,418.20	69.09	50.478		
11,700.00	7,950.00	7,550.00	7,465.74	109.56	32.65	-70.76	-611.46	836.81	3,578.67	3,509.54	69.13	51.769		
11,800.00	7,950.00	7,550.00	7,465.74	112.07	32.65	-70.76	-611.46	836.81	3,670.08	3,600.78	69.29	52.964		
11,900.00	7,950.00	7,550.00	7,465.74	114.58	32.65	-70.76	-611.46	836.81	3,761.92	3,692.47	69.45	54.165		
12,000.00	7,950.00	7,550.00	7,465.74	117.10	32.65	-70.76	-611.46	836.81	3,854.17	3,784.57	69.61	55.372		
12,100.00	7,950.00	7,550.00	7,465.74	119.63	32.65	-70.76	-611.46	836.81	3,946.80	3,877.05	69.75	56.584		
12,200.00	7,950.00	7,550.00	7,465.74	122.17	32.65	-70.76	-611.46	836.81	4,039.78	3,969.89	69.89	57.801		
12,300.00	7,950.00	7,550.00	7,465.74	124.72	32.65	-70.76	-611.46	836.81	4,133.09	4,063.07	70.03	59.021		
12,400.00	7,950.00	7,550.00	7,465.74	127.27	32.65	-70.76	-611.46	836.81	4,226.71	4,156.55	70.16	60.246		
12,500.00	7,950.00	7,550.00	7,465.74	129.82	32.65	-70.76	-611.46	836.81	4,320.61	4,250.33	70.28	61.475		
12,600.00	7,950.00	7,550.00	7,465.74	132.39	32.65	-70.76	-611.46	836.81	4,414.78	4,344.37	70.40	62.706		
12,700.00	7,950.00	7,550.00	7,465.74	134.96	32.65	-70.76	-611.46	836.81	4,509.20	4,438.67	70.52	63.940		
12,800.00	7,950.00	7,550.00	7,465.74	137.53	32.65	-70.76	-611.46	836.81	4,603.85	4,533.22	70.64	65.177		
12,900.00	7,950.00	7,550.00	7,465.74	140.11	32.65	-70.76	-611.46	836.81	4,698.73	4,627.98	70.75	66.416		
13,000.00	7,950.00	7,550.00	7,465.74	142.69	32.65	-70.76	-611.46	836.81	4,793.81	4,722.96	70.85	67.657		
13,100.00	7,950.00	7,550.00	7,465.74	145.28	32.65	-70.76	-611.46	836.81	4,889.09	4,818.13	70.96	68.899		
13,200.00	7,950.00	7,550.00	7,465.74	147.87	32.65	-70.76	-611.46	836.81	4,984.56	4,913.50	71.06	70.143		
13,300.00	7,950.00	7,550.00	7,465.74	150.47	32.65	-70.76	-611.46	836.81	5,080.20	5,009.04	71.16	71.389		
13,400.00	7,950.00	7,550.00	7,465.74	153.07	32.65	-70.76	-611.46	836.81	5,176.01	5,104.75	71.26	72.635		
13,500.00	7,950.00	7,550.00	7,465.74	155.67	32.65	-70.76	-611.46	836.81	5,271.97	5,200.61	71.36	73.883		
13,600.00	7,950.00	7,550.00	7,465.74	158.28	32.65	-70.76	-611.46	836.81	5,368.08	5,296.63	71.45	75.131		
13,700.00	7,950.00	7,550.00	7,465.74	160.88	32.65	-70.76	-611.46	836.81	5,464.32	5,392.78	71.54	76.380		
13,800.00	7,950.00	7,550.00	7,465.74	163.50	32.65	-70.76	-611.46	836.81	5,560.71	5,489.07	71.63	77.629		
13,900.00	7,950.00	7,550.00	7,465.74	166.11	32.65	-70.76	-611.46	836.81	5,657.21	5,585.49	71.72	78.878		
14,000.00	7,950.00	7,550.00	7,465.74	168.73	32.65	-70.76	-611.46	836.81	5,753.84	5,682.03	71.81	80.128		
14,100.00	7,950.00	7,550.00	7,465.74	171.35	32.65	-70.76	-611.46	836.81	5,850.58	5,778.68	71.89	81.377		
14,200.00	7,950.00	7,550.00	7,465.74	173.97	32.65	-70.76	-611.46	836.81	5,947.42	5,875.44	71.98	82.627		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - LONE TREE 4-65 15-16 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	
14,300.00	7,950.00	7,527.00	7,443.05	176.59	32.59	-69.96	-609.20	839.80	6,043.88	5,971.91	71.97	83.973	
14,400.00	7,950.00	7,526.05	7,442.11	179.22	32.59	-69.93	-609.11	839.90	6,140.89	6,068.83	72.05	85.226	
14,500.00	7,950.00	7,525.12	7,441.19	181.85	32.59	-69.89	-609.02	840.00	6,237.99	6,165.85	72.13	86.478	
14,600.00	7,950.00	7,524.22	7,440.30	184.48	32.59	-69.86	-608.93	840.10	6,335.17	6,262.96	72.21	87.730	
14,700.00	7,950.00	7,523.35	7,439.43	187.11	32.59	-69.83	-608.84	840.19	6,432.45	6,360.15	72.29	88.980	
14,800.00	7,950.00	7,500.00	7,416.28	189.75	32.53	-69.03	-606.54	842.15	6,530.27	6,457.98	72.28	90.343	
14,900.00	7,950.00	7,500.00	7,416.28	192.38	32.53	-69.03	-606.54	842.15	6,627.66	6,555.30	72.36	91.588	
15,000.00	7,950.00	7,500.00	7,416.28	195.02	32.53	-69.03	-606.54	842.15	6,725.14	6,652.69	72.44	92.832	
15,100.00	7,950.00	7,500.00	7,416.28	197.66	32.53	-69.03	-606.54	842.15	6,822.68	6,750.16	72.52	94.075	
15,200.00	7,950.00	7,500.00	7,416.28	200.30	32.53	-69.03	-606.54	842.15	6,920.30	6,847.70	72.60	95.317	
15,300.00	7,950.00	7,500.00	7,416.28	202.94	32.53	-69.03	-606.54	842.15	7,017.98	6,945.30	72.68	96.558	
15,400.00	7,950.00	7,500.00	7,416.28	205.59	32.53	-69.03	-606.54	842.15	7,115.73	7,042.97	72.76	97.798	
15,500.00	7,950.00	7,500.00	7,416.28	208.23	32.53	-69.03	-606.54	842.15	7,213.54	7,140.71	72.84	99.037	
15,600.00	7,950.00	7,500.00	7,416.28	210.88	32.53	-69.03	-606.54	842.15	7,311.41	7,238.50	72.91	100.274	
15,700.00	7,950.00	7,500.00	7,416.28	213.52	32.53	-69.03	-606.54	842.15	7,409.34	7,336.35	72.99	101.510	
15,800.00	7,950.00	7,500.00	7,416.28	216.17	32.53	-69.03	-606.54	842.15	7,507.32	7,434.25	73.07	102.745	
15,900.00	7,950.00	7,500.00	7,416.28	218.82	32.53	-69.03	-606.54	842.15	7,605.35	7,532.21	73.14	103.978	
16,000.00	7,950.00	7,500.00	7,416.28	221.47	32.53	-69.03	-606.54	842.15	7,703.43	7,630.21	73.22	105.209	
16,100.00	7,950.00	7,500.00	7,416.28	224.13	32.53	-69.03	-606.54	842.15	7,801.57	7,728.27	73.30	106.439	
16,200.00	7,950.00	7,500.00	7,416.28	226.78	32.53	-69.03	-606.54	842.15	7,899.75	7,826.37	73.37	107.667	
16,300.00	7,950.00	7,500.00	7,416.28	229.43	32.53	-69.03	-606.54	842.15	7,997.97	7,924.52	73.45	108.894	
16,400.00	7,950.00	7,500.00	7,416.28	232.09	32.53	-69.03	-606.54	842.15	8,096.24	8,022.72	73.52	110.119	
16,500.00	7,950.00	7,500.00	7,416.28	234.75	32.53	-69.03	-606.54	842.15	8,194.55	8,120.95	73.60	111.342	
16,600.00	7,950.00	7,500.00	7,416.28	237.40	32.53	-69.03	-606.54	842.15	8,292.90	8,219.22	73.67	112.563	
16,700.00	7,950.00	7,500.00	7,416.28	240.06	32.53	-69.03	-606.54	842.15	8,391.29	8,317.54	73.75	113.782	
16,800.00	7,950.00	7,500.00	7,416.28	242.72	32.53	-69.03	-606.54	842.15	8,489.71	8,415.89	73.82	114.999	
16,900.00	7,950.00	7,500.00	7,416.28	245.38	32.53	-69.03	-606.54	842.15	8,588.18	8,514.28	73.90	116.214	
17,000.00	7,950.00	7,500.00	7,416.28	248.04	32.53	-69.03	-606.54	842.15	8,686.68	8,612.70	73.97	117.428	
17,100.00	7,950.00	7,500.00	7,416.28	250.70	32.53	-69.03	-606.54	842.15	8,785.21	8,711.16	74.05	118.639	
17,200.00	7,950.00	7,500.00	7,416.28	253.36	32.53	-69.03	-606.54	842.15	8,883.77	8,809.65	74.13	119.848	
17,300.00	7,950.00	7,500.00	7,416.28	256.02	32.53	-69.03	-606.54	842.15	8,982.37	8,908.17	74.20	121.055	
17,400.00	7,950.00	7,500.00	7,416.28	258.69	32.53	-69.03	-606.54	842.15	9,081.00	9,006.72	74.28	122.260	
17,500.00	7,950.00	7,500.00	7,416.28	261.35	32.53	-69.03	-606.54	842.15	9,179.65	9,105.30	74.35	123.462	
17,600.00	7,950.00	7,500.00	7,416.28	264.01	32.53	-69.03	-606.54	842.15	9,278.34	9,203.91	74.43	124.663	
17,700.00	7,950.00	7,500.00	7,416.28	266.68	32.53	-69.03	-606.54	842.15	9,377.05	9,302.55	74.50	125.861	
17,800.00	7,950.00	7,500.00	7,416.28	269.34	32.53	-69.03	-606.54	842.15	9,475.79	9,401.21	74.58	127.056	
17,900.00	7,950.00	7,500.00	7,416.28	272.01	32.53	-69.03	-606.54	842.15	9,574.56	9,499.90	74.66	128.250	
18,000.00	7,950.00	7,500.00	7,416.28	274.68	32.53	-69.03	-606.54	842.15	9,673.35	9,598.62	74.73	129.441	
18,100.00	7,950.00	7,500.00	7,416.28	277.34	32.53	-69.03	-606.54	842.15	9,772.17	9,697.36	74.81	130.630	
18,200.00	7,950.00	7,500.00	7,416.28	280.01	32.53	-69.03	-606.54	842.15	9,871.01	9,796.12	74.88	131.816	
18,300.00	7,950.00	7,500.00	7,416.28	282.68	32.53	-69.03	-606.54	842.15	9,969.87	9,894.91	74.96	133.000	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - LONE TREE 4-65 15-16 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	0.00	0.00	0.00	0.00	0.00	25.13	0.00	25.13					
100.00	100.00	100.00	100.00	0.13	0.13	0.00	25.13	0.00	25.13	24.87	0.27	93.487		
200.00	200.00	200.00	200.00	0.49	0.49	0.00	25.13	0.00	25.13	24.15	0.99	25.497		
250.00	250.00	250.00	250.00	0.67	0.67	0.00	25.13	0.00	25.13	23.79	1.34	18.698 CC		
300.00	300.00	300.40	300.40	0.84	0.85	-168.70	24.73	0.19	25.16	23.48	1.69	14.903		
400.00	399.93	401.20	401.13	1.18	1.19	-166.86	21.52	1.68	25.41	23.04	2.37	10.725		
500.00	499.68	501.98	501.65	1.54	1.55	-163.29	15.09	4.66	25.99	22.92	3.07	8.461		
600.00	599.13	602.72	601.83	1.91	1.93	-158.27	5.46	9.13	27.03	23.24	3.79	7.129		
700.00	698.15	703.43	701.54	2.31	2.33	-152.20	-7.35	15.07	28.70	24.16	4.54	6.321		
800.00	796.63	804.09	800.64	2.74	2.76	-145.64	-23.32	22.48	31.18	25.84	5.34	5.838		
900.00	894.44	904.68	899.00	3.20	3.23	-139.12	-42.43	31.35	34.59	28.38	6.21	5.568		
1,000.00	991.46	1,005.20	996.49	3.70	3.74	-133.04	-64.64	41.66	39.01	31.83	7.18	5.436		
1,026.71	1,017.23	1,032.04	1,022.36	3.84	3.88	-131.53	-71.09	44.65	40.36	32.91	7.45	5.416		
1,100.00	1,087.84	1,105.51	1,092.87	4.23	4.28	-126.83	-89.82	53.34	43.91	35.67	8.24	5.326		
1,200.00	1,184.19	1,205.26	1,188.42	4.78	4.84	-120.84	-115.83	65.41	48.94	39.55	9.39	5.214		
1,300.00	1,280.54	1,305.02	1,283.96	5.33	5.42	-116.01	-141.84	77.48	54.40	43.85	10.55	5.155		
1,400.00	1,376.88	1,404.78	1,379.51	5.89	6.01	-112.08	-167.85	89.55	60.18	48.45	11.73	5.130		
1,500.00	1,473.23	1,504.53	1,475.05	6.45	6.59	-108.85	-193.86	101.61	66.19	53.27	12.91	5.125		
1,600.00	1,569.58	1,604.29	1,570.60	7.02	7.19	-106.17	-219.87	113.68	72.37	58.27	14.10	5.133		
1,700.00	1,665.92	1,704.04	1,666.15	7.59	7.78	-103.91	-245.88	125.75	78.69	63.40	15.28	5.149		
1,800.00	1,762.27	1,803.80	1,761.69	8.16	8.38	-101.99	-271.88	137.82	85.11	68.64	16.46	5.169		
1,900.00	1,858.62	1,903.56	1,857.24	8.73	8.98	-100.33	-297.89	149.89	91.61	73.96	17.65	5.192		
2,000.00	1,954.97	2,003.31	1,952.79	9.31	9.59	-98.90	-323.90	161.96	98.18	79.35	18.83	5.215		
2,100.00	2,051.31	2,103.07	2,048.33	9.88	10.19	-97.65	-349.91	174.03	104.80	84.79	20.00	5.239		
2,200.00	2,147.66	2,202.82	2,143.88	10.46	10.80	-96.55	-375.92	186.10	111.46	90.28	21.18	5.262		
2,300.00	2,244.01	2,302.58	2,239.43	11.04	11.40	-95.57	-401.93	198.17	118.17	95.81	22.36	5.285		
2,400.00	2,340.35	2,402.34	2,334.97	11.62	12.01	-94.70	-427.94	210.23	124.90	101.36	23.53	5.307		
2,500.00	2,436.70	2,502.09	2,430.52	12.19	12.62	-93.92	-453.95	222.30	131.65	106.95	24.71	5.328		
2,600.00	2,533.05	2,601.85	2,526.07	12.77	13.22	-93.21	-479.96	234.37	138.43	112.55	25.88	5.349		
2,700.00	2,629.39	2,701.60	2,621.61	13.35	13.83	-92.57	-505.97	246.44	145.23	118.18	27.05	5.368		
2,800.00	2,725.74	2,801.36	2,717.16	13.93	14.44	-91.99	-531.98	258.51	152.05	123.82	28.23	5.387		
2,900.00	2,822.09	2,901.12	2,812.70	14.51	15.05	-91.46	-557.99	270.58	158.88	129.48	29.40	5.404		
3,000.00	2,918.44	3,000.87	2,908.25	15.09	15.66	-90.97	-584.00	282.65	165.72	135.15	30.57	5.421		
3,100.00	3,014.78	3,100.63	3,003.80	15.67	16.27	-90.52	-610.01	294.72	172.57	140.83	31.74	5.437		
3,200.00	3,111.13	3,200.38	3,099.34	16.25	16.88	-90.10	-636.02	306.78	179.44	146.52	32.91	5.452		
3,300.00	3,207.48	3,300.14	3,194.89	16.84	17.49	-89.72	-662.03	318.85	186.31	152.23	34.08	5.466		
3,400.00	3,303.82	3,400.10	3,290.44	17.42	18.10	-89.36	-688.04	330.92	193.19	157.93	35.25	5.480		
3,500.00	3,400.17	3,500.35	3,385.98	18.00	18.72	-89.03	-714.05	342.99	200.08	163.65	36.43	5.493		
3,600.00	3,496.52	3,600.59	3,481.53	18.58	19.33	-88.72	-740.06	355.06	206.97	169.37	37.60	5.505		
3,700.00	3,592.87	3,700.83	3,577.08	19.16	19.95	-88.43	-766.07	367.13	213.87	175.10	38.77	5.516		
3,800.00	3,689.21	3,798.92	3,672.62	19.74	20.55	-88.15	-792.08	379.20	220.77	180.84	39.93	5.529		
3,900.00	3,785.56	3,898.68	3,768.17	20.33	21.16	-87.90	-818.09	391.27	227.68	186.58	41.10	5.540		
4,000.00	3,881.91	4,001.57	3,863.72	20.91	21.79	-87.66	-844.10	403.34	234.59	192.30	42.29	5.548		
4,100.00	3,978.25	4,101.81	3,959.26	21.49	22.40	-87.43	-870.11	415.40	241.51	198.05	43.46	5.557		
4,200.00	4,074.60	4,202.05	4,054.81	22.07	23.02	-87.22	-896.12	427.47	248.43	203.80	44.63	5.566		
4,300.00	4,170.95	4,302.30	4,150.35	22.65	23.63	-87.01	-922.13	439.54	255.35	209.55	45.80	5.575		
4,400.00	4,267.29	4,402.54	4,245.90	23.24	24.25	-86.82	-948.13	451.61	262.28	215.30	46.97	5.584		
4,500.00	4,363.64	4,502.79	4,341.45	23.82	24.86	-86.64	-974.14	463.68	269.21	221.06	48.14	5.592		
4,600.00	4,459.99	4,603.03	4,436.99	24.40	25.48	-86.46	-1,000.15	475.75	276.14	226.82	49.31	5.600		
4,700.00	4,556.34	4,703.27	4,532.54	24.98	26.10	-86.30	-1,026.16	487.82	283.07	232.59	50.49	5.607		
4,800.00	4,652.68	4,803.52	4,628.09	25.57	26.71	-86.14	-1,052.17	499.89	290.01	238.35	51.66	5.614		
4,900.00	4,749.03	4,896.24	4,723.63	26.15	27.28	-85.99	-1,078.18	511.96	296.95	244.17	52.78	5.626		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - LONE TREE 4-65 15-16 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		
5,000.00	4,845.38	5,004.01	4,819.18	26.73	27.94	-85.85	-1,104.19	524.02	303.89	249.89	54.00	5.628		
5,100.00	4,941.72	5,104.25	4,914.73	27.32	28.56	-85.71	-1,130.20	536.09	310.83	255.66	55.17	5.634		
5,200.00	5,038.07	5,204.49	5,010.27	27.90	29.17	-85.58	-1,156.21	548.16	317.77	261.43	56.34	5.640		
5,300.00	5,134.42	5,304.74	5,105.82	28.48	29.79	-85.46	-1,182.22	560.23	324.72	267.21	57.51	5.646		
5,400.00	5,230.76	5,404.98	5,201.37	29.06	30.40	-85.34	-1,208.23	572.30	331.67	272.99	58.68	5.652		
5,500.00	5,327.11	5,505.23	5,296.91	29.65	31.02	-85.23	-1,234.24	584.37	338.61	278.76	59.85	5.658		
5,600.00	5,423.46	5,594.53	5,392.46	30.23	31.57	-85.12	-1,260.25	596.44	345.56	284.61	60.95	5.669		
5,700.00	5,519.81	5,705.71	5,488.00	30.81	32.25	-85.01	-1,286.26	608.51	352.51	290.32	62.19	5.668		
5,800.00	5,616.15	5,805.96	5,583.55	31.40	32.87	-84.91	-1,312.27	620.57	359.47	296.11	63.36	5.673		
5,900.00	5,712.50	5,906.20	5,679.10	31.98	33.48	-84.81	-1,338.28	632.64	366.42	301.89	64.53	5.678		
6,000.00	5,808.85	6,006.45	5,774.64	32.56	34.10	-84.72	-1,364.29	644.71	373.37	307.67	65.70	5.683		
6,100.00	5,905.19	6,106.69	5,870.19	33.15	34.72	-84.63	-1,390.30	656.78	380.33	313.46	66.87	5.687		
6,200.00	6,001.54	6,206.93	5,965.74	33.73	35.33	-84.54	-1,416.31	668.85	387.28	319.24	68.04	5.692		
6,300.00	6,097.89	6,307.18	6,061.28	34.31	35.95	-84.45	-1,442.32	680.92	394.24	325.03	69.21	5.696		
6,400.00	6,194.24	6,407.42	6,156.83	34.90	36.56	-84.37	-1,468.33	692.99	401.20	330.82	70.38	5.700		
6,500.00	6,290.58	6,492.34	6,252.38	35.48	37.09	-84.29	-1,494.34	705.06	408.16	336.70	71.46	5.712		
6,600.00	6,386.93	6,607.91	6,347.92	36.06	37.80	-84.22	-1,520.35	717.13	415.11	342.39	72.72	5.708		
6,700.00	6,483.28	6,708.15	6,443.47	36.65	38.41	-84.14	-1,546.36	729.19	422.07	348.18	73.89	5.712		
6,800.00	6,579.62	6,808.40	6,539.02	37.23	39.03	-84.07	-1,572.37	741.26	429.03	353.97	75.06	5.716		
6,900.00	6,675.97	6,908.64	6,634.56	37.81	39.64	-84.00	-1,598.38	753.33	436.00	359.77	76.23	5.719		
7,000.00	6,772.32	6,991.12	6,730.11	38.40	40.15	-83.94	-1,624.38	765.40	442.96	365.66	77.29	5.731		
7,100.00	6,868.66	7,109.13	6,825.65	38.98	40.88	-83.87	-1,650.39	777.47	449.92	371.35	78.57	5.726		
7,200.00	6,965.01	7,209.37	6,921.20	39.56	41.49	-83.81	-1,676.40	789.54	456.88	377.14	79.74	5.730		
7,300.00	7,061.36	7,309.62	7,016.75	40.15	42.11	-83.75	-1,702.41	801.61	463.85	382.94	80.91	5.733		
7,400.00	7,157.71	7,409.86	7,112.29	40.73	42.72	-83.69	-1,728.42	813.68	470.81	388.73	82.08	5.736		
7,500.00	7,254.05	7,489.90	7,207.84	41.31	43.22	-83.63	-1,754.43	825.74	477.77	394.65	83.13	5.747		
7,600.00	7,350.40	7,589.65	7,303.39	41.90	43.83	-83.58	-1,780.44	837.81	484.74	400.44	84.30	5.750		
7,679.74	7,427.23	7,932.12	7,626.33	42.36	45.30	-84.20	-1,868.45	793.97	475.91	399.25	76.66	6.208		
7,700.00	7,446.72	8,025.78	7,705.14	42.48	45.47	-78.09	-1,889.97	748.40	464.84	394.68	70.15	6.626		
7,750.00	7,494.53	7,750.00	7,787.95	42.78	45.46	-65.94	-1,912.60	677.31	427.08	366.36	60.73	7.033		
7,800.00	7,541.59	8,245.54	7,854.57	43.09	45.57	-63.16	-1,930.84	594.43	382.02	331.96	50.06	7.631		
7,850.00	7,587.55	8,279.75	7,872.28	43.39	45.55	-69.75	-1,935.70	565.57	333.98	287.13	46.84	7.130		
7,900.00	7,632.06	8,293.98	7,879.16	43.70	45.54	-93.31	-1,937.59	553.26	284.79	239.02	45.77	6.222		
7,950.00	7,674.78	8,296.73	7,880.45	44.01	45.54	-124.62	-1,937.94	550.86	235.35	189.32	46.03	5.113		
8,000.00	7,715.39	8,292.37	7,878.39	44.33	45.54	-140.60	-1,937.38	554.65	186.26	138.96	47.31	3.937		
8,050.00	7,753.58	8,283.35	7,874.05	44.64	45.55	-143.67	-1,936.19	562.47	138.11	88.41	49.70	2.779		
8,100.00	7,789.06	8,271.11	7,867.96	44.95	45.55	-138.55	-1,934.52	572.97	92.00	37.91	54.09	1.701		
8,150.00	7,821.55	8,256.55	7,860.45	45.26	45.56	-125.27	-1,932.46	585.26	52.06	-11.30	63.35	0.822 Level 1		
8,187.31	7,843.71	8,244.55	7,854.03	45.49	45.57	-109.24	-1,930.70	595.24	38.11	-29.47	67.58	0.564 Level 1, ES, SF		
8,200.00	7,850.82	8,240.29	7,851.71	45.57	45.57	-102.77	-1,930.06	598.76	39.94	-23.89	63.83	0.626 Level 1		
8,250.00	7,876.63	8,222.73	7,841.85	45.89	45.57	-76.61	-1,927.36	613.04	69.69	17.80	51.90	1.343 Level 3		
8,300.00	7,898.79	8,204.15	7,830.97	46.21	45.58	-56.58	-1,924.38	627.79	110.43	58.99	51.44	2.147		
8,350.00	7,917.13	8,184.79	7,819.14	46.53	45.57	-44.12	-1,921.14	642.78	152.57	99.42	53.15	2.871		
8,400.00	7,931.52	8,164.78	7,806.41	46.86	45.57	-36.49	-1,917.65	657.82	194.28	139.06	55.22	3.519		
8,450.00	7,941.84	8,144.25	7,792.83	47.20	45.57	-31.60	-1,913.94	672.77	234.99	177.65	57.34	4.098		
8,500.00	7,948.02	8,123.29	7,778.45	47.54	45.56	-28.35	-1,910.00	687.49	274.42	214.97	59.45	4.616		
8,548.56	7,950.00	8,100.00	7,761.87	47.88	45.54	-26.08	-1,905.47	703.20	311.35	250.36	61.00	5.104		
8,600.00	7,950.00	8,081.43	7,748.22	48.26	45.53	-25.43	-1,901.74	715.21	350.33	286.86	63.47	5.519		
8,700.00	7,950.00	8,050.00	7,724.27	49.08	45.50	-24.47	-1,895.19	734.49	429.47	362.10	67.38	6.374		
8,800.00	7,950.00	8,014.37	7,695.94	50.02	45.45	-23.54	-1,887.45	754.66	512.03	442.60	69.43	7.375		
8,900.00	7,950.00	7,988.00	7,674.22	51.07	45.41	-22.95	-1,881.52	768.39	597.39	525.82	71.57	8.347		
9,000.00	7,950.00	7,965.27	7,655.03	52.25	45.37	-22.49	-1,876.28	779.38	684.92	611.62	73.31	9.343		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - LONE TREE 4-65 15-16 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	
9,100.00	7,950.00	7,950.00	7,641.91	53.55	45.34	-22.21	-1,872.70	786.32	774.24	699.24	75.00	10.324	
9,200.00	7,950.00	7,928.27	7,622.94	54.97	45.29	-21.84	-1,867.53	795.56	864.91	789.00	75.91	11.393	
9,300.00	7,950.00	7,900.00	7,597.78	56.50	45.23	-21.40	-1,860.66	806.45	957.02	880.72	76.30	12.542	
9,400.00	7,950.00	7,900.00	7,597.78	58.13	45.23	-21.40	-1,860.66	806.45	1,049.62	971.86	77.76	13.499	
9,500.00	7,950.00	7,900.00	7,597.78	59.85	45.23	-21.40	-1,860.66	806.45	1,143.47	1,064.56	78.91	14.491	
9,600.00	7,950.00	7,876.86	7,576.81	61.66	45.16	-21.08	-1,854.94	814.41	1,237.60	1,158.53	79.07	15.652	
9,700.00	7,950.00	7,867.17	7,567.95	63.55	45.13	-20.96	-1,852.52	817.47	1,332.51	1,252.90	79.60	16.740	
9,800.00	7,950.00	7,850.00	7,552.12	65.51	45.08	-20.74	-1,848.21	822.53	1,428.00	1,348.17	79.83	17.889	
9,900.00	7,950.00	7,850.00	7,552.12	67.52	45.08	-20.74	-1,848.21	822.53	1,523.75	1,443.28	80.46	18.937	
10,000.00	7,950.00	7,850.00	7,552.12	69.60	45.08	-20.74	-1,848.21	822.53	1,620.01	1,539.00	81.01	19.998	
10,100.00	7,950.00	7,850.00	7,552.12	71.72	45.08	-20.74	-1,848.21	822.53	1,716.70	1,635.23	81.47	21.071	
10,200.00	7,950.00	7,830.43	7,533.90	73.89	45.02	-20.52	-1,843.24	827.69	1,813.31	1,731.86	81.45	22.263	
10,300.00	7,950.00	7,824.79	7,528.63	76.09	45.00	-20.46	-1,841.80	829.05	1,910.38	1,828.67	81.71	23.380	
10,400.00	7,950.00	7,819.58	7,523.74	78.34	44.98	-20.40	-1,840.47	830.27	2,007.68	1,925.73	81.95	24.500	
10,500.00	7,950.00	7,800.00	7,505.28	80.61	44.91	-20.20	-1,835.43	834.42	2,105.42	2,023.54	81.88	25.713	
10,600.00	7,950.00	7,800.00	7,505.28	82.91	44.91	-20.20	-1,835.43	834.42	2,202.97	2,120.79	82.17	26.809	
10,700.00	7,950.00	7,800.00	7,505.28	85.24	44.91	-20.20	-1,835.43	834.42	2,300.73	2,218.29	82.44	27.909	
10,800.00	7,950.00	7,800.00	7,505.28	87.60	44.91	-20.20	-1,835.43	834.42	2,398.67	2,316.00	82.68	29.013	
10,900.00	7,950.00	7,800.00	7,505.28	89.97	44.91	-20.20	-1,835.43	834.42	2,496.78	2,413.89	82.89	30.121	
11,000.00	7,950.00	7,800.00	7,505.28	92.37	44.91	-20.20	-1,835.43	834.42	2,595.03	2,511.94	83.09	31.231	
11,100.00	7,950.00	7,800.00	7,505.28	94.78	44.91	-20.20	-1,835.43	834.42	2,693.41	2,610.14	83.27	32.344	
11,200.00	7,950.00	7,800.00	7,505.28	97.21	44.91	-20.20	-1,835.43	834.42	2,791.91	2,708.47	83.44	33.459	
11,300.00	7,950.00	7,800.00	7,505.28	99.65	44.91	-20.20	-1,835.43	834.42	2,890.51	2,806.91	83.60	34.575	
11,400.00	7,950.00	7,800.00	7,505.28	102.11	44.91	-20.20	-1,835.43	834.42	2,989.20	2,905.45	83.75	35.693	
11,500.00	7,950.00	7,800.00	7,505.28	104.58	44.91	-20.20	-1,835.43	834.42	3,087.98	3,004.09	83.89	36.812	
11,600.00	7,950.00	7,778.26	7,484.63	107.07	44.82	-19.99	-1,829.81	838.26	3,186.34	3,102.62	83.72	38.061	
11,700.00	7,950.00	7,775.96	7,482.44	109.56	44.81	-19.97	-1,829.21	838.61	3,285.16	3,201.34	83.82	39.195	
11,800.00	7,950.00	7,773.77	7,480.35	112.07	44.80	-19.95	-1,828.64	838.95	3,384.03	3,300.12	83.91	40.330	
11,900.00	7,950.00	7,771.69	7,478.37	114.58	44.80	-19.93	-1,828.10	839.26	3,482.96	3,398.97	84.00	41.464	
12,000.00	7,950.00	7,750.00	7,457.61	117.10	44.71	-19.74	-1,822.44	842.03	3,582.34	3,498.50	83.84	42.731	
12,100.00	7,950.00	7,750.00	7,457.61	119.63	44.71	-19.74	-1,822.44	842.03	3,681.30	3,597.35	83.95	43.853	
12,200.00	7,950.00	7,750.00	7,457.61	122.17	44.71	-19.74	-1,822.44	842.03	3,780.31	3,696.26	84.05	44.975	
12,300.00	7,950.00	7,750.00	7,457.61	124.72	44.71	-19.74	-1,822.44	842.03	3,879.37	3,795.22	84.16	46.097	
12,400.00	7,950.00	7,750.00	7,457.61	127.27	44.71	-19.74	-1,822.44	842.03	3,978.48	3,894.23	84.26	47.219	
12,500.00	7,950.00	7,750.00	7,457.61	129.82	44.71	-19.74	-1,822.44	842.03	4,077.63	3,993.28	84.35	48.342	
12,600.00	7,950.00	7,750.00	7,457.61	132.39	44.71	-19.74	-1,822.44	842.03	4,176.83	4,092.39	84.44	49.464	
12,700.00	7,950.00	7,750.00	7,457.61	134.96	44.71	-19.74	-1,822.44	842.03	4,276.06	4,191.53	84.53	50.585	
12,800.00	7,950.00	7,750.00	7,457.61	137.53	44.71	-19.74	-1,822.44	842.03	4,375.32	4,290.71	84.62	51.707	
12,900.00	7,950.00	7,750.00	7,457.61	140.11	44.71	-19.74	-1,822.44	842.03	4,474.62	4,389.92	84.70	52.827	
13,000.00	7,950.00	7,750.00	7,457.61	142.69	44.71	-19.74	-1,822.44	842.03	4,573.95	4,489.17	84.78	53.948	
13,100.00	7,950.00	7,750.00	7,457.61	145.28	44.71	-19.74	-1,822.44	842.03	4,673.31	4,588.45	84.87	55.068	
13,200.00	7,950.00	7,750.00	7,457.61	147.87	44.71	-19.74	-1,822.44	842.03	4,772.69	4,687.75	84.94	56.187	
13,300.00	7,950.00	7,750.00	7,457.61	150.47	44.71	-19.74	-1,822.44	842.03	4,872.10	4,787.08	85.02	57.305	
13,400.00	7,950.00	7,750.00	7,457.61	153.07	44.71	-19.74	-1,822.44	842.03	4,971.54	4,886.44	85.10	58.422	
13,500.00	7,950.00	7,750.00	7,457.61	155.67	44.71	-19.74	-1,822.44	842.03	5,070.99	4,985.82	85.17	59.539	
13,600.00	7,950.00	7,750.00	7,457.61	158.28	44.71	-19.74	-1,822.44	842.03	5,170.47	5,085.23	85.24	60.655	
13,700.00	7,950.00	7,750.00	7,457.61	160.88	44.71	-19.74	-1,822.44	842.03	5,269.97	5,184.65	85.32	61.770	
13,800.00	7,950.00	7,750.00	7,457.61	163.50	44.71	-19.74	-1,822.44	842.03	5,369.48	5,284.10	85.39	62.884	
13,900.00	7,950.00	7,750.00	7,457.61	166.11	44.71	-19.74	-1,822.44	842.03	5,469.02	5,383.56	85.46	63.997	
14,000.00	7,950.00	7,750.00	7,457.61	168.73	44.71	-19.74	-1,822.44	842.03	5,568.57	5,483.04	85.53	65.109	
14,100.00	7,950.00	7,750.00	7,457.61	171.35	44.71	-19.74	-1,822.44	842.03	5,668.13	5,582.53	85.60	66.219	
14,200.00	7,950.00	7,750.00	7,457.61	173.97	44.71	-19.74	-1,822.44	842.03	5,767.71	5,682.05	85.66	67.329	

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - LONE TREE 4-65 15-16 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		
14,300.00	7,950.00	7,750.00	7,457.61	176.59	44.71	-19.74	-1,822.44	842.03	5,867.31	5,781.57	85.73	68.437		
14,400.00	7,950.00	7,750.00	7,457.61	179.22	44.71	-19.74	-1,822.44	842.03	5,966.91	5,881.11	85.80	69.544		
14,500.00	7,950.00	7,750.00	7,457.61	181.85	44.71	-19.74	-1,822.44	842.03	6,066.54	5,980.67	85.87	70.650		
14,600.00	7,950.00	7,750.00	7,457.61	184.48	44.71	-19.74	-1,822.44	842.03	6,166.17	6,080.24	85.93	71.755		
14,700.00	7,950.00	7,750.00	7,457.61	187.11	44.71	-19.74	-1,822.44	842.03	6,265.81	6,179.81	86.00	72.858		
14,800.00	7,950.00	7,750.00	7,457.61	189.75	44.71	-19.74	-1,822.44	842.03	6,365.47	6,279.40	86.07	73.960		
14,900.00	7,950.00	7,750.00	7,457.61	192.38	44.71	-19.74	-1,822.44	842.03	6,465.14	6,379.01	86.13	75.061		
15,000.00	7,950.00	7,750.00	7,457.61	195.02	44.71	-19.74	-1,822.44	842.03	6,564.81	6,478.62	86.20	76.160		
15,100.00	7,950.00	7,750.00	7,457.61	197.66	44.71	-19.74	-1,822.44	842.03	6,664.50	6,578.24	86.26	77.258		
15,200.00	7,950.00	7,750.00	7,457.61	200.30	44.71	-19.74	-1,822.44	842.03	6,764.20	6,677.87	86.33	78.354		
15,300.00	7,950.00	7,750.00	7,457.61	202.94	44.71	-19.74	-1,822.44	842.03	6,863.90	6,777.51	86.39	79.449		
15,400.00	7,950.00	7,750.00	7,457.61	205.59	44.71	-19.74	-1,822.44	842.03	6,963.62	6,877.16	86.46	80.542		
15,500.00	7,950.00	7,750.00	7,457.61	208.23	44.71	-19.74	-1,822.44	842.03	7,063.34	6,976.81	86.52	81.634		
15,600.00	7,950.00	7,750.00	7,457.61	210.88	44.71	-19.74	-1,822.44	842.03	7,163.07	7,076.48	86.59	82.724		
15,700.00	7,950.00	7,750.00	7,457.61	213.52	44.71	-19.74	-1,822.44	842.03	7,262.80	7,176.15	86.66	83.812		
15,800.00	7,950.00	7,750.00	7,457.61	216.17	44.71	-19.74	-1,822.44	842.03	7,362.55	7,275.83	86.72	84.899		
15,900.00	7,950.00	7,750.00	7,457.61	218.82	44.71	-19.74	-1,822.44	842.03	7,462.30	7,375.51	86.79	85.985		
16,000.00	7,950.00	7,750.00	7,457.61	221.47	44.71	-19.74	-1,822.44	842.03	7,562.05	7,475.20	86.85	87.068		
16,100.00	7,950.00	7,750.00	7,457.61	224.13	44.71	-19.74	-1,822.44	842.03	7,661.82	7,574.90	86.92	88.150		
16,200.00	7,950.00	7,750.00	7,457.61	226.78	44.71	-19.74	-1,822.44	842.03	7,761.59	7,674.60	86.98	89.231		
16,300.00	7,950.00	7,750.00	7,457.61	229.43	44.71	-19.74	-1,822.44	842.03	7,861.36	7,774.31	87.05	90.309		
16,400.00	7,950.00	7,750.00	7,457.61	232.09	44.71	-19.74	-1,822.44	842.03	7,961.14	7,874.03	87.12	91.386		
16,500.00	7,950.00	7,750.00	7,457.61	234.75	44.71	-19.74	-1,822.44	842.03	8,060.93	7,973.75	87.18	92.461		
16,600.00	7,950.00	7,750.00	7,457.61	237.40	44.71	-19.74	-1,822.44	842.03	8,160.72	8,073.47	87.25	93.535		
16,700.00	7,950.00	7,726.93	7,435.45	240.06	44.60	-19.55	-1,816.40	844.08	8,260.02	8,172.92	87.10	94.830		
16,800.00	7,950.00	7,726.51	7,435.04	242.72	44.59	-19.55	-1,816.29	844.11	8,359.81	8,272.64	87.17	95.905		
16,900.00	7,950.00	7,726.10	7,434.64	245.38	44.59	-19.55	-1,816.18	844.14	8,459.60	8,372.36	87.23	96.979		
17,000.00	7,950.00	7,725.69	7,434.25	248.04	44.59	-19.54	-1,816.08	844.16	8,559.39	8,472.09	87.30	98.050		
17,100.00	7,950.00	7,725.30	7,433.87	250.70	44.59	-19.54	-1,815.98	844.19	8,659.19	8,571.83	87.36	99.120		
17,200.00	7,950.00	7,724.91	7,433.50	253.36	44.59	-19.54	-1,815.87	844.22	8,758.99	8,671.56	87.43	100.188		
17,300.00	7,950.00	7,724.53	7,433.14	256.02	44.59	-19.53	-1,815.77	844.24	8,858.79	8,771.30	87.49	101.254		
17,400.00	7,950.00	7,724.16	7,432.78	258.69	44.58	-19.53	-1,815.68	844.26	8,958.60	8,871.05	87.56	102.318		
17,500.00	7,950.00	7,723.80	7,432.43	261.35	44.58	-19.53	-1,815.58	844.29	9,058.42	8,970.80	87.62	103.380		
17,600.00	7,950.00	7,723.44	7,432.09	264.01	44.58	-19.53	-1,815.49	844.31	9,158.24	9,070.55	87.69	104.440		
17,700.00	7,950.00	7,700.00	7,409.49	266.68	44.47	-19.35	-1,809.33	845.30	9,258.55	9,171.00	87.55	105.750		
17,800.00	7,950.00	7,700.00	7,409.49	269.34	44.47	-19.35	-1,809.33	845.30	9,358.36	9,270.74	87.62	106.804		
17,900.00	7,950.00	7,700.00	7,409.49	272.01	44.47	-19.35	-1,809.33	845.30	9,458.18	9,370.48	87.69	107.856		
18,000.00	7,950.00	7,700.00	7,409.49	274.68	44.47	-19.35	-1,809.33	845.30	9,558.00	9,470.23	87.76	108.906		
18,100.00	7,950.00	7,700.00	7,409.49	277.34	44.47	-19.35	-1,809.33	845.30	9,657.82	9,569.98	87.84	109.954		
18,200.00	7,950.00	7,700.00	7,409.49	280.01	44.47	-19.35	-1,809.33	845.30	9,757.64	9,669.74	87.91	110.999		
18,300.00	7,950.00	7,700.00	7,409.49	282.68	44.47	-19.35	-1,809.33	845.30	9,857.47	9,769.49	87.98	112.043		
18,400.00	7,950.00	7,700.00	7,409.49	285.35	44.47	-19.35	-1,809.33	845.30	9,957.31	9,869.25	88.05	113.085		

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - LONE TREE 4-65 15-16 4AH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.10	-0.10	0.00	0.00	180.00	-24.77	0.00	24.77					
100.00	100.00	100.10	99.90	0.13	0.13	180.00	-24.77	0.00	24.77	24.50	0.27	92.010		
200.00	200.00	200.10	199.90	0.49	0.49	180.00	-24.77	0.00	24.77	23.78	0.99	25.118		
250.00	250.00	249.90	249.90	0.67	0.67	180.00	-24.77	0.00	24.77	23.43	1.34	18.431		
300.00	300.00	299.50	299.50	0.84	0.84	10.92	-25.17	0.15	24.75	23.06	1.69	14.684		
400.00	399.93	398.69	398.62	1.18	1.18	9.74	-28.40	1.32	24.58	22.22	2.36	10.413		
500.00	499.68	497.88	497.57	1.54	1.53	7.32	-34.84	3.66	24.28	21.22	3.05	7.950		
600.00	599.13	597.06	596.21	1.91	1.90	3.60	-44.50	7.17	23.91	20.16	3.76	6.368		
700.00	698.15	696.22	694.42	2.31	2.30	-1.51	-57.36	11.85	23.59	19.13	4.46	5.288		
792.88	789.64	788.32	785.15	2.71	2.69	-7.50	-72.16	17.23	23.46	18.34	5.13	4.578 CC		
800.00	796.63	795.38	792.09	2.74	2.72	-8.00	-73.41	17.68	23.46	18.29	5.18	4.533		
900.00	894.44	894.51	889.09	3.20	3.18	-15.74	-92.62	24.67	23.71	17.79	5.91	4.008 ES		
1,000.00	991.46	993.63	985.30	3.70	3.67	-24.36	-114.97	32.79	24.53	17.81	6.72	3.652		
1,026.71	1,017.23	1,020.10	1,010.86	3.84	3.81	-26.74	-121.46	35.15	24.87	17.92	6.95	3.578		
1,100.00	1,087.84	1,092.71	1,080.61	4.23	4.21	-32.21	-140.42	42.05	26.88	19.27	7.61	3.534 SF		
1,200.00	1,184.19	1,191.61	1,174.74	4.78	4.78	-35.81	-168.90	52.40	32.58	24.06	8.52	3.825		
1,300.00	1,280.54	1,290.11	1,267.41	5.33	5.40	-35.97	-200.28	63.81	41.39	32.00	9.39	4.409		
1,400.00	1,376.88	1,389.58	1,360.41	5.89	6.06	-35.22	-233.44	75.87	51.69	41.40	10.29	5.025		
1,500.00	1,473.23	1,489.04	1,453.40	6.45	6.72	-34.72	-266.60	87.92	61.99	50.79	11.20	5.537		
1,600.00	1,569.58	1,588.51	1,546.40	7.02	7.40	-34.36	-299.76	99.98	72.29	60.18	12.11	5.968		
1,700.00	1,665.92	1,687.98	1,639.40	7.59	8.08	-34.10	-332.92	112.04	82.60	69.56	13.04	6.337		
1,800.00	1,762.27	1,787.44	1,732.40	8.16	8.77	-33.89	-366.09	124.09	92.91	78.95	13.96	6.654		
1,900.00	1,858.62	1,886.91	1,825.40	8.73	9.46	-33.72	-399.25	136.15	103.22	88.32	14.89	6.930		
2,000.00	1,954.97	1,986.38	1,918.39	9.31	10.15	-33.58	-432.41	148.21	113.53	97.70	15.83	7.173		
2,100.00	2,051.31	2,085.84	2,011.39	9.88	10.84	-33.47	-465.57	160.26	123.84	107.07	16.76	7.387		
2,200.00	2,147.66	2,185.31	2,104.39	10.46	11.54	-33.37	-498.73	172.32	134.15	116.44	17.70	7.578		
2,300.00	2,244.01	2,284.78	2,197.39	11.04	12.24	-33.29	-531.89	184.38	144.46	125.81	18.64	7.748		
2,400.00	2,340.35	2,384.24	2,290.39	11.62	12.94	-33.22	-565.05	196.43	154.77	135.18	19.59	7.902		
2,500.00	2,436.70	2,483.71	2,383.38	12.19	13.64	-33.15	-598.21	208.49	165.08	144.55	20.53	8.041		
2,600.00	2,533.05	2,583.18	2,476.38	12.77	14.34	-33.10	-631.37	220.54	175.39	153.92	21.47	8.168		
2,700.00	2,629.39	2,682.64	2,569.38	13.35	15.04	-33.05	-664.54	232.60	185.70	163.29	22.42	8.283		
2,800.00	2,725.74	2,782.11	2,662.38	13.93	15.75	-33.01	-697.70	244.66	196.02	172.65	23.37	8.389		
2,900.00	2,822.09	2,881.58	2,755.38	14.51	16.45	-32.97	-730.86	256.71	206.33	182.02	24.31	8.487		
3,000.00	2,918.44	2,981.04	2,848.37	15.09	17.16	-32.93	-764.02	268.77	216.64	191.38	25.26	8.576		
3,100.00	3,014.78	3,080.51	2,941.37	15.67	17.86	-32.90	-797.18	280.83	226.95	200.74	26.21	8.660		
3,200.00	3,111.13	3,179.98	3,034.37	16.25	18.57	-32.87	-830.34	292.88	237.26	210.11	27.16	8.737		
3,300.00	3,207.48	3,279.44	3,127.37	16.84	19.27	-32.84	-863.50	304.94	247.58	219.47	28.11	8.809		
3,400.00	3,303.82	3,378.91	3,220.37	17.42	19.98	-32.81	-896.66	317.00	257.89	228.83	29.06	8.876		
3,500.00	3,400.17	3,478.38	3,313.36	18.00	20.69	-32.79	-929.83	329.05	268.20	238.19	30.01	8.938		
3,600.00	3,496.52	3,577.85	3,406.36	18.58	21.39	-32.77	-962.99	341.11	278.51	247.56	30.96	8.997		
3,700.00	3,592.87	3,677.31	3,499.36	19.16	22.10	-32.75	-996.15	353.17	288.83	256.92	31.91	9.052		
3,800.00	3,689.21	3,776.78	3,592.36	19.74	22.81	-32.73	-1,029.31	365.22	299.14	266.28	32.86	9.104		
3,900.00	3,785.56	3,876.25	3,685.36	20.33	23.52	-32.71	-1,062.47	377.28	309.45	275.64	33.81	9.153		
4,000.00	3,881.91	3,975.71	3,778.35	20.91	24.22	-32.70	-1,095.63	389.34	319.76	285.00	34.76	9.199		
4,100.00	3,978.25	4,075.18	3,871.35	21.49	24.93	-32.68	-1,128.79	401.39	330.08	294.36	35.71	9.242		
4,200.00	4,074.60	4,174.65	3,964.35	22.07	25.64	-32.67	-1,161.95	413.45	340.39	303.72	36.67	9.284		
4,300.00	4,170.95	4,274.11	4,057.35	22.65	26.35	-32.66	-1,195.11	425.51	350.70	313.08	37.62	9.323		
4,400.00	4,267.29	4,373.58	4,150.35	23.24	27.06	-32.64	-1,228.28	437.56	361.01	322.44	38.57	9.360		
4,500.00	4,363.64	4,473.05	4,243.34	23.82	27.77	-32.63	-1,261.44	449.62	371.33	331.80	39.52	9.395		
4,600.00	4,459.99	4,572.51	4,336.34	24.40	28.48	-32.62	-1,294.60	461.67	381.64	341.16	40.48	9.429		
4,700.00	4,556.34	4,671.98	4,429.34	24.98	29.18	-32.61	-1,327.76	473.73	391.95	350.52	41.43	9.461		
4,800.00	4,652.68	4,771.45	4,522.34	25.57	29.89	-32.60	-1,360.92	485.79	402.26	359.88	42.38	9.492		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - LONE TREE 4-65 15-16 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		
4,900.00	4,749.03	4,870.91	4,615.34	26.15	30.60	-32.59	-1,394.08	497.84	412.58	369.24	43.33	9.521		
5,000.00	4,845.38	4,970.38	4,708.33	26.73	31.31	-32.58	-1,427.24	509.90	422.89	378.60	44.29	9.549		
5,100.00	4,941.72	5,069.85	4,801.33	27.32	32.02	-32.57	-1,460.40	521.96	433.20	387.96	45.24	9.575		
5,200.00	5,038.07	5,169.31	4,894.33	27.90	32.73	-32.56	-1,493.56	534.01	443.51	397.32	46.19	9.601		
5,300.00	5,134.42	5,268.78	4,987.33	28.48	33.44	-32.55	-1,526.73	546.07	453.83	406.68	47.15	9.626		
5,400.00	5,230.76	5,368.25	5,080.33	29.06	34.15	-32.55	-1,559.89	558.13	464.14	416.04	48.10	9.649		
5,500.00	5,327.11	5,467.71	5,173.32	29.65	34.86	-32.54	-1,593.05	570.18	474.45	425.40	49.06	9.672		
5,600.00	5,423.46	5,567.18	5,266.32	30.23	35.57	-32.53	-1,626.21	582.24	484.76	434.75	50.01	9.693		
5,700.00	5,519.81	5,666.65	5,359.32	30.81	36.28	-32.53	-1,659.37	594.30	495.08	444.11	50.96	9.714		
5,800.00	5,616.15	5,766.11	5,452.32	31.40	36.99	-32.52	-1,692.53	606.35	505.39	453.47	51.92	9.734		
5,900.00	5,712.50	5,865.58	5,545.32	31.98	37.70	-32.51	-1,725.69	618.41	515.70	462.83	52.87	9.754		
6,000.00	5,808.85	5,965.05	5,638.31	32.56	38.41	-32.51	-1,758.85	630.47	526.02	472.19	53.83	9.772		
6,100.00	5,905.19	6,064.52	5,731.31	33.15	39.12	-32.50	-1,792.02	642.52	536.33	481.55	54.78	9.791		
6,200.00	6,001.54	6,163.98	5,824.31	33.73	39.83	-32.50	-1,825.18	654.58	546.64	490.91	55.73	9.808		
6,300.00	6,097.89	6,263.45	5,917.31	34.31	40.54	-32.49	-1,858.34	666.64	556.95	500.26	56.69	9.825		
6,400.00	6,194.24	6,362.92	6,010.30	34.90	41.25	-32.49	-1,891.50	678.69	567.27	509.62	57.64	9.841		
6,500.00	6,290.58	6,462.38	6,103.30	35.48	41.96	-32.48	-1,924.66	690.75	577.58	518.98	58.60	9.857		
6,600.00	6,386.93	6,561.85	6,196.30	36.06	42.67	-32.48	-1,957.82	702.80	587.89	528.34	59.55	9.872		
6,700.00	6,483.28	6,661.32	6,289.30	36.65	43.38	-32.47	-1,990.98	714.86	598.20	537.70	60.51	9.886		
6,800.00	6,579.62	6,760.78	6,382.30	37.23	44.09	-32.47	-2,024.14	726.92	608.52	547.06	61.46	9.901		
6,900.00	6,675.97	6,860.25	6,475.29	37.81	44.80	-32.46	-2,057.30	738.97	618.83	556.41	62.42	9.914		
7,000.00	6,772.32	6,959.72	6,568.29	38.40	45.51	-32.46	-2,090.47	751.03	629.14	565.77	63.37	9.928		
7,100.00	6,868.66	7,059.18	6,661.29	38.98	46.22	-32.45	-2,123.63	763.09	639.46	575.13	64.33	9.941		
7,200.00	6,965.01	7,158.65	6,754.29	39.56	46.93	-32.45	-2,156.79	775.14	649.77	584.49	65.28	9.953		
7,300.00	7,061.36	7,258.12	6,847.29	40.15	47.64	-32.45	-2,189.95	787.20	660.08	593.84	66.24	9.966		
7,400.00	7,157.71	7,357.58	6,940.28	40.73	48.35	-32.44	-2,223.11	799.26	670.39	603.20	67.19	9.977		
7,500.00	7,254.05	7,457.05	7,033.28	41.31	49.06	-32.44	-2,256.27	811.31	680.71	612.56	68.15	9.989		
7,600.00	7,350.40	7,556.52	7,126.28	41.90	49.77	-32.44	-2,289.43	823.37	691.02	621.92	69.10	10.000		
7,679.74	7,427.23	7,635.83	7,200.44	42.36	50.33	-32.43	-2,315.88	832.98	699.24	629.38	69.86	10.009		
7,700.00	7,446.72	7,656.01	7,219.30	42.48	50.48	-25.62	-2,322.60	835.43	701.09	631.04	70.04	10.009		
7,750.00	7,494.53	7,705.85	7,265.90	42.78	50.83	-10.88	-2,339.22	841.47	703.52	633.13	70.39	9.994		
7,800.00	7,541.59	7,746.11	7,489.81	43.09	52.20	5.99	-2,419.12	822.34	696.72	627.64	69.08	10.085		
7,850.00	7,587.55	8,109.60	7,629.12	43.39	52.72	24.44	-2,468.89	754.03	677.50	612.64	64.86	10.445		
7,900.00	7,632.06	8,195.21	7,693.23	43.70	52.88	39.41	-2,491.82	702.28	653.86	591.17	62.69	10.430		
7,950.00	7,674.78	8,238.34	7,722.60	44.01	52.93	50.29	-2,502.33	672.49	629.99	567.70	62.29	10.114		
8,000.00	7,715.39	8,258.49	7,735.57	44.33	52.96	57.91	-2,506.97	657.80	607.83	545.03	62.80	9.679		
8,050.00	7,753.58	8,265.34	7,739.87	44.64	52.96	63.13	-2,508.51	652.69	588.44	524.69	63.75	9.230		
8,100.00	7,789.06	8,263.96	7,739.00	44.95	52.96	66.56	-2,508.20	653.73	572.46	507.57	64.89	8.821		
8,150.00	7,821.55	8,257.18	7,734.74	45.26	52.96	68.59	-2,506.67	658.77	560.28	494.16	66.12	8.474		
8,200.00	7,850.82	8,246.68	7,728.02	45.57	52.94	69.51	-2,504.27	666.47	552.12	484.72	67.40	8.191		
8,250.00	7,876.63	8,233.53	7,719.42	45.89	52.93	69.51	-2,501.19	675.93	548.02	479.29	68.73	7.973		
8,276.57	7,888.87	8,225.71	7,714.21	46.06	52.92	69.19	-2,499.33	681.46	547.47	478.00	69.47	7.880		
8,300.00	7,898.79	8,218.42	7,709.30	46.21	52.91	68.74	-2,497.57	686.54	547.89	477.75	70.14	7.812		
8,350.00	7,917.13	8,201.83	7,697.88	46.53	52.89	67.32	-2,493.48	697.86	551.49	479.85	71.64	7.699		
8,400.00	7,931.52	8,184.10	7,685.33	46.86	52.86	65.34	-2,488.99	709.56	558.48	485.24	73.25	7.625		
8,450.00	7,941.84	8,165.45	7,671.78	47.20	52.83	62.91	-2,484.14	721.41	568.45	493.48	74.97	7.582		
8,500.00	7,948.02	8,146.09	7,657.33	47.54	52.80	60.11	-2,478.97	733.22	580.93	504.14	76.79	7.565		
8,548.56	7,950.00	8,126.71	7,642.50	47.88	52.76	57.13	-2,473.67	744.51	595.01	516.37	78.64	7.566		
8,600.00	7,950.00	8,106.98	7,627.04	48.26	52.71	55.51	-2,468.15	755.45	612.29	531.64	80.64	7.593		
8,700.00	7,950.00	8,073.92	7,600.38	49.08	52.63	52.79	-2,458.61	772.50	654.02	569.58	84.44	7.745		
8,800.00	7,950.00	8,050.00	7,580.52	50.02	52.57	50.81	-2,451.52	783.80	705.46	617.38	88.07	8.010		
8,900.00	7,950.00	8,023.54	7,558.07	51.07	52.48	48.63	-2,443.50	795.26	765.05	674.31	90.75	8.431		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - LONE TREE 4-65 15-16 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		
9,000.00	7,950.00	8,000.00	7,537.69	52.25	52.41	46.70	-2,436.22	804.53	831.42	738.54	92.88	8.951		
9,100.00	7,950.00	7,987.34	7,526.59	53.55	52.36	45.68	-2,432.25	809.14	903.21	808.26	94.95	9.513		
9,200.00	7,950.00	7,972.89	7,513.80	54.97	52.31	44.52	-2,427.68	814.09	979.42	883.01	96.41	10.159		
9,300.00	7,950.00	7,950.00	7,493.32	56.50	52.22	42.71	-2,420.37	821.21	1,059.30	962.17	97.13	10.906		
9,400.00	7,950.00	7,950.00	7,493.32	58.13	52.22	42.71	-2,420.37	821.21	1,141.79	1,043.32	98.47	11.595		
9,500.00	7,950.00	7,950.00	7,493.32	59.85	52.22	42.71	-2,420.37	821.21	1,226.90	1,127.39	99.51	12.329		
9,600.00	7,950.00	7,930.60	7,475.76	61.66	52.14	41.20	-2,414.10	826.57	1,313.66	1,213.97	99.69	13.178		
9,700.00	7,950.00	7,922.75	7,468.61	63.55	52.10	40.60	-2,411.54	828.56	1,402.15	1,302.03	100.12	14.004		
9,800.00	7,950.00	7,900.00	7,447.74	65.51	52.00	38.89	-2,404.10	833.73	1,492.26	1,392.25	100.01	14.921		
9,900.00	7,950.00	7,900.00	7,447.74	67.52	52.00	38.89	-2,404.10	833.73	1,583.02	1,482.53	100.49	15.753		
10,000.00	7,950.00	7,900.00	7,447.74	69.60	52.00	38.89	-2,404.10	833.73	1,674.83	1,573.95	100.88	16.602		
10,100.00	7,950.00	7,900.00	7,447.74	71.72	52.00	38.89	-2,404.10	833.73	1,767.54	1,666.34	101.20	17.466		
10,200.00	7,950.00	7,900.00	7,447.74	73.89	52.00	38.89	-2,404.10	833.73	1,861.00	1,759.54	101.46	18.342		
10,300.00	7,950.00	7,900.00	7,447.74	76.09	52.00	38.89	-2,404.10	833.73	1,955.10	1,853.43	101.67	19.229		
10,400.00	7,950.00	7,900.00	7,447.74	78.34	52.00	38.89	-2,404.10	833.73	2,049.77	1,947.91	101.85	20.125		
10,500.00	7,950.00	7,880.74	7,429.94	80.61	51.90	37.48	-2,397.74	837.41	2,144.52	2,042.93	101.58	21.111		
10,600.00	7,950.00	7,877.18	7,426.64	82.91	51.89	37.22	-2,396.56	838.03	2,239.93	2,138.28	101.64	22.037		
10,700.00	7,950.00	7,873.86	7,423.56	85.24	51.87	36.98	-2,395.46	838.58	2,335.70	2,234.01	101.70	22.967		
10,800.00	7,950.00	7,870.77	7,420.68	87.60	51.85	36.76	-2,394.43	839.07	2,431.79	2,330.05	101.74	23.902		
10,900.00	7,950.00	7,850.00	7,401.31	89.97	51.75	35.30	-2,387.52	841.98	2,528.51	2,427.09	101.42	24.931		
11,000.00	7,950.00	7,850.00	7,401.31	92.37	51.75	35.30	-2,387.52	841.98	2,625.04	2,523.53	101.51	25.860		
11,100.00	7,950.00	7,850.00	7,401.31	94.78	51.75	35.30	-2,387.52	841.98	2,721.83	2,620.24	101.59	26.792		
11,200.00	7,950.00	7,850.00	7,401.31	97.21	51.75	35.30	-2,387.52	841.98	2,818.84	2,717.18	101.66	27.728		
11,300.00	7,950.00	7,850.00	7,401.31	99.65	51.75	35.30	-2,387.52	841.98	2,916.06	2,814.33	101.72	28.666		
11,400.00	7,950.00	7,850.00	7,401.31	102.11	51.75	35.30	-2,387.52	841.98	3,013.45	2,911.67	101.78	29.607		
11,500.00	7,950.00	7,850.00	7,401.31	104.58	51.75	35.30	-2,387.52	841.98	3,111.01	3,009.18	101.83	30.550		
11,600.00	7,950.00	7,850.00	7,401.31	107.07	51.75	35.30	-2,387.52	841.98	3,208.72	3,106.84	101.88	31.495		
11,700.00	7,950.00	7,850.00	7,401.31	109.56	51.75	35.30	-2,387.52	841.98	3,306.57	3,204.65	101.92	32.442		
11,800.00	7,950.00	7,850.00	7,401.31	112.07	51.75	35.30	-2,387.52	841.98	3,404.54	3,302.58	101.96	33.390		
11,900.00	7,950.00	7,850.00	7,401.31	114.58	51.75	35.30	-2,387.52	841.98	3,502.63	3,400.63	102.00	34.340		
12,000.00	7,950.00	7,850.00	7,401.31	117.10	51.75	35.30	-2,387.52	841.98	3,600.82	3,498.79	102.03	35.291		
12,100.00	7,950.00	7,850.00	7,401.31	119.63	51.75	35.30	-2,387.52	841.98	3,699.11	3,597.05	102.06	36.243		
12,200.00	7,950.00	7,850.00	7,401.31	122.17	51.75	35.30	-2,387.52	841.98	3,797.49	3,695.40	102.10	37.195		
12,300.00	7,950.00	7,850.00	7,401.31	124.72	51.75	35.30	-2,387.52	841.98	3,895.95	3,793.83	102.13	38.149		
12,400.00	7,950.00	7,850.00	7,401.31	127.27	51.75	35.30	-2,387.52	841.98	3,994.49	3,892.34	102.15	39.103		
12,500.00	7,950.00	7,850.00	7,401.31	129.82	51.75	35.30	-2,387.52	841.98	4,093.10	3,990.92	102.18	40.057		
12,600.00	7,950.00	7,850.00	7,401.31	132.39	51.75	35.30	-2,387.52	841.98	4,191.77	4,089.57	102.21	41.012		
12,700.00	7,950.00	7,850.00	7,401.31	134.96	51.75	35.30	-2,387.52	841.98	4,290.51	4,188.27	102.24	41.967		
12,800.00	7,950.00	7,850.00	7,401.31	137.53	51.75	35.30	-2,387.52	841.98	4,389.30	4,287.04	102.26	42.922		
12,900.00	7,950.00	7,850.00	7,401.31	140.11	51.75	35.30	-2,387.52	841.98	4,488.15	4,385.86	102.29	43.878		
13,000.00	7,950.00	7,850.00	7,401.31	142.69	51.75	35.30	-2,387.52	841.98	4,587.05	4,484.73	102.31	44.834		
13,100.00	7,950.00	7,850.00	7,401.31	145.28	51.75	35.30	-2,387.52	841.98	4,685.99	4,583.65	102.34	45.789		
13,200.00	7,950.00	7,850.00	7,401.31	147.87	51.75	35.30	-2,387.52	841.98	4,784.98	4,682.61	102.36	46.745		
13,300.00	7,950.00	7,850.00	7,401.31	150.47	51.75	35.30	-2,387.52	841.98	4,884.01	4,781.62	102.39	47.700		
13,400.00	7,950.00	7,850.00	7,401.31	153.07	51.75	35.30	-2,387.52	841.98	4,983.07	4,880.66	102.42	48.655		
13,500.00	7,950.00	7,850.00	7,401.31	155.67	51.75	35.30	-2,387.52	841.98	5,082.18	4,979.74	102.44	49.610		
13,600.00	7,950.00	7,827.63	7,380.36	158.28	51.62	33.77	-2,380.05	844.27	5,180.83	5,078.69	102.14	50.722		
13,700.00	7,950.00	7,826.85	7,379.63	160.88	51.62	33.72	-2,379.79	844.33	5,279.97	5,177.81	102.16	51.684		
13,800.00	7,950.00	7,826.10	7,378.92	163.50	51.61	33.67	-2,379.53	844.39	5,379.14	5,276.96	102.18	52.646		
13,900.00	7,950.00	7,825.37	7,378.24	166.11	51.61	33.62	-2,379.29	844.45	5,478.34	5,376.14	102.20	53.607		
14,000.00	7,950.00	7,824.67	7,377.58	168.73	51.60	33.57	-2,379.05	844.51	5,577.56	5,475.35	102.21	54.567		
14,100.00	7,950.00	7,823.99	7,376.94	171.35	51.60	33.53	-2,378.83	844.56	5,676.81	5,574.58	102.23	55.527		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - LONE TREE 4-65 15-16 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	
14,200.00	7,950.00	7,823.33	7,376.32	173.97	51.59	33.48	-2,378.60	844.61	5,776.09	5,673.84	102.26	56.487	
14,300.00	7,950.00	7,822.69	7,375.72	176.59	51.59	33.44	-2,378.39	844.66	5,875.39	5,773.11	102.28	57.446	
14,400.00	7,950.00	7,800.00	7,354.38	179.22	51.46	31.96	-2,370.78	845.90	5,975.18	5,873.19	101.99	58.587	
14,500.00	7,950.00	7,800.00	7,354.38	181.85	51.46	31.96	-2,370.78	845.90	6,074.50	5,972.48	102.02	59.542	
14,600.00	7,950.00	7,800.00	7,354.38	184.48	51.46	31.96	-2,370.78	845.90	6,173.84	6,071.78	102.05	60.495	
14,700.00	7,950.00	7,800.00	7,354.38	187.11	51.46	31.96	-2,370.78	845.90	6,273.20	6,171.11	102.09	61.449	
14,800.00	7,950.00	7,800.00	7,354.38	189.75	51.46	31.96	-2,370.78	845.90	6,372.58	6,270.46	102.12	62.401	
14,900.00	7,950.00	7,800.00	7,354.38	192.38	51.46	31.96	-2,370.78	845.90	6,471.98	6,369.83	102.16	63.353	
15,000.00	7,950.00	7,800.00	7,354.38	195.02	51.46	31.96	-2,370.78	845.90	6,571.40	6,469.21	102.19	64.305	
15,100.00	7,950.00	7,800.00	7,354.38	197.66	51.46	31.96	-2,370.78	845.90	6,670.84	6,568.61	102.23	65.255	
15,200.00	7,950.00	7,800.00	7,354.38	200.30	51.46	31.96	-2,370.78	845.90	6,770.29	6,668.03	102.26	66.205	
15,300.00	7,950.00	7,800.00	7,354.38	202.94	51.46	31.96	-2,370.78	845.90	6,869.76	6,767.46	102.30	67.154	
15,400.00	7,950.00	7,800.00	7,354.38	205.59	51.46	31.96	-2,370.78	845.90	6,969.24	6,866.91	102.34	68.102	
15,500.00	7,950.00	7,800.00	7,354.38	208.23	51.46	31.96	-2,370.78	845.90	7,068.74	6,966.37	102.37	69.049	
15,600.00	7,950.00	7,800.00	7,354.38	210.88	51.46	31.96	-2,370.78	845.90	7,168.26	7,065.85	102.41	69.995	
15,700.00	7,950.00	7,800.00	7,354.38	213.52	51.46	31.96	-2,370.78	845.90	7,267.78	7,165.33	102.45	70.941	
15,800.00	7,950.00	7,800.00	7,354.38	216.17	51.46	31.96	-2,370.78	845.90	7,367.32	7,264.83	102.49	71.885	
15,900.00	7,950.00	7,800.00	7,354.38	218.82	51.46	31.96	-2,370.78	845.90	7,466.87	7,364.35	102.53	72.829	
16,000.00	7,950.00	7,800.00	7,354.38	221.47	51.46	31.96	-2,370.78	845.90	7,566.44	7,463.87	102.57	73.772	
16,100.00	7,950.00	7,800.00	7,354.38	224.13	51.46	31.96	-2,370.78	845.90	7,666.01	7,563.40	102.61	74.713	
16,200.00	7,950.00	7,800.00	7,354.38	226.78	51.46	31.96	-2,370.78	845.90	7,765.59	7,662.95	102.65	75.654	
16,300.00	7,950.00	7,800.00	7,354.38	229.43	51.46	31.96	-2,370.78	845.90	7,865.19	7,762.50	102.69	76.594	
16,400.00	7,950.00	7,800.00	7,354.38	232.09	51.46	31.96	-2,370.78	845.90	7,964.80	7,862.07	102.73	77.532	
16,500.00	7,950.00	7,800.00	7,354.38	234.75	51.46	31.96	-2,370.78	845.90	8,064.41	7,961.64	102.77	78.470	
16,600.00	7,950.00	7,800.00	7,354.38	237.40	51.46	31.96	-2,370.78	845.90	8,164.04	8,061.22	102.81	79.406	
16,700.00	7,950.00	7,800.00	7,354.38	240.06	51.46	31.96	-2,370.78	845.90	8,263.67	8,160.82	102.86	80.342	
16,800.00	7,950.00	7,800.00	7,354.38	242.72	51.46	31.96	-2,370.78	845.90	8,363.31	8,260.41	102.90	81.276	
16,900.00	7,950.00	7,800.00	7,354.38	245.38	51.46	31.96	-2,370.78	845.90	8,462.97	8,360.02	102.94	82.209	
17,000.00	7,950.00	7,800.00	7,354.38	248.04	51.46	31.96	-2,370.78	845.90	8,562.63	8,459.64	102.99	83.142	
17,100.00	7,950.00	7,800.00	7,354.38	250.70	51.46	31.96	-2,370.78	845.90	8,662.29	8,559.26	103.03	84.073	
17,200.00	7,950.00	7,800.00	7,354.38	253.36	51.46	31.96	-2,370.78	845.90	8,761.97	8,658.89	103.08	85.002	
17,300.00	7,950.00	7,800.00	7,354.38	256.02	51.46	31.96	-2,370.78	845.90	8,861.65	8,758.52	103.13	85.931	
17,400.00	7,950.00	7,800.00	7,354.38	258.69	51.46	31.96	-2,370.78	845.90	8,961.34	8,858.17	103.17	86.859	
17,500.00	7,950.00	7,800.00	7,354.38	261.35	51.46	31.96	-2,370.78	845.90	9,061.04	8,957.82	103.22	87.785	
17,600.00	7,950.00	7,800.00	7,354.38	264.01	51.46	31.96	-2,370.78	845.90	9,160.74	9,057.47	103.27	88.710	
17,700.00	7,950.00	7,800.00	7,354.38	266.68	51.46	31.96	-2,370.78	845.90	9,260.45	9,157.13	103.31	89.634	
17,800.00	7,950.00	7,800.00	7,354.38	269.34	51.46	31.96	-2,370.78	845.90	9,360.16	9,256.80	103.36	90.556	
17,900.00	7,950.00	7,800.00	7,354.38	272.01	51.46	31.96	-2,370.78	845.90	9,459.88	9,356.47	103.41	91.478	
18,000.00	7,950.00	7,800.00	7,354.38	274.68	51.46	31.96	-2,370.78	845.90	9,559.61	9,456.15	103.46	92.398	
18,100.00	7,950.00	7,800.00	7,354.38	277.34	51.46	31.96	-2,370.78	845.90	9,659.34	9,555.83	103.51	93.317	
18,200.00	7,950.00	7,800.00	7,354.38	280.01	51.46	31.96	-2,370.78	845.90	9,759.08	9,655.52	103.56	94.234	
18,300.00	7,950.00	7,800.00	7,354.38	282.68	51.46	31.96	-2,370.78	845.90	9,858.83	9,755.21	103.61	95.151	
18,400.00	7,950.00	7,800.00	7,354.38	285.35	51.46	31.96	-2,370.78	845.90	9,958.57	9,854.91	103.66	96.066	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - LONE TREE 4-65 15-16 4BH - 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	179.79	-75.04	0.28	75.04				
100.00	100.00	100.10	99.90	0.13	0.13	179.79	-75.04	0.28	75.04	74.77	0.27	278.738	
200.00	200.00	200.10	199.90	0.49	0.49	179.79	-75.04	0.28	75.04	74.05	0.99	76.093	
250.00	250.00	249.90	249.90	0.67	0.67	179.79	-75.04	0.28	75.04	73.70	1.34	55.837	
300.00	300.00	298.68	298.67	0.84	0.84	10.82	-75.44	0.40	75.02	73.34	1.68	44.587	
400.00	399.93	396.23	396.16	1.18	1.17	10.60	-78.61	1.35	74.85	72.50	2.35	31.828	
500.00	499.68	493.78	493.48	1.54	1.52	10.14	-84.97	3.24	74.53	71.49	3.04	24.522	
600.00	599.13	591.33	590.52	1.91	1.88	9.45	-94.50	6.09	74.06	70.33	3.74	19.822	
700.00	698.15	688.89	687.18	2.31	2.27	8.52	-107.19	9.87	73.45	69.01	4.44	16.542	
800.00	796.63	786.45	783.32	2.74	2.69	7.34	-123.03	14.60	72.72	67.57	5.15	14.119	
900.00	894.44	884.02	878.86	3.20	3.13	5.89	-142.00	20.25	71.90	66.03	5.87	12.254	
1,000.00	991.46	981.60	973.68	3.70	3.61	4.16	-164.07	26.84	70.99	64.40	6.59	10.774	
1,026.71	1,017.23	1,007.67	998.87	3.84	3.74	3.65	-170.49	28.75	70.74	63.96	6.78	10.433	
1,053.96	1,043.48	1,034.26	1,024.50	3.99	3.89	3.10	-177.27	30.77	70.61	63.63	6.98	10.111	CC, ES
1,100.00	1,087.84	1,079.18	1,067.65	4.23	4.13	2.11	-189.23	34.34	70.98	63.67	7.31	9.708	
1,200.00	1,184.19	1,176.63	1,160.56	4.78	4.69	-0.17	-217.40	42.74	74.33	66.29	8.04	9.242	SF
1,300.00	1,280.54	1,273.73	1,252.08	5.33	5.29	-2.38	-248.46	52.01	81.18	72.40	8.78	9.249	
1,400.00	1,376.88	1,370.25	1,341.91	5.89	5.94	-4.27	-282.27	62.09	91.50	81.98	9.52	9.616	
1,500.00	1,473.23	1,465.98	1,429.80	6.45	6.62	-5.76	-318.65	72.94	105.23	94.97	10.25	10.262	
1,600.00	1,569.58	1,564.54	1,519.54	7.02	7.35	-6.91	-357.70	84.59	120.84	109.76	11.08	10.908	
1,700.00	1,665.92	1,663.29	1,609.45	7.59	8.10	-7.81	-396.82	96.26	136.50	124.58	11.92	11.455	
1,800.00	1,762.27	1,762.03	1,699.36	8.16	8.86	-8.52	-435.95	107.93	152.18	139.42	12.76	11.927	
1,900.00	1,858.62	1,860.78	1,789.27	8.73	9.62	-9.09	-475.07	119.60	167.88	154.27	13.61	12.336	
2,000.00	1,954.97	1,959.53	1,879.18	9.31	10.39	-9.57	-514.20	131.27	183.59	169.12	14.46	12.694	
2,100.00	2,051.31	2,058.28	1,969.09	9.88	11.17	-9.97	-553.32	142.94	199.31	183.99	15.32	13.009	
2,200.00	2,147.66	2,157.02	2,059.00	10.46	11.94	-10.32	-592.45	154.61	215.04	198.86	16.18	13.289	
2,300.00	2,244.01	2,255.77	2,148.92	11.04	12.72	-10.61	-631.58	166.28	230.78	213.73	17.05	13.539	
2,400.00	2,340.35	2,354.52	2,238.83	11.62	13.50	-10.87	-670.70	177.95	246.52	228.61	17.91	13.763	
2,500.00	2,436.70	2,453.27	2,328.74	12.19	14.28	-11.10	-709.83	189.62	262.27	243.49	18.78	13.966	
2,600.00	2,533.05	2,552.01	2,418.65	12.77	15.06	-11.30	-748.95	201.29	278.02	258.37	19.65	14.149	
2,700.00	2,629.39	2,650.76	2,508.56	13.35	15.85	-11.48	-788.08	212.96	293.78	273.26	20.52	14.316	
2,800.00	2,725.74	2,749.51	2,598.47	13.93	16.63	-11.64	-827.20	224.63	309.53	288.14	21.39	14.469	
2,900.00	2,822.09	2,848.25	2,688.38	14.51	17.42	-11.79	-866.33	236.30	325.29	303.03	22.27	14.609	
3,000.00	2,918.44	2,947.00	2,778.29	15.09	18.21	-11.92	-905.45	247.97	341.05	317.91	23.14	14.738	
3,100.00	3,014.78	3,045.75	2,868.20	15.67	18.99	-12.04	-944.58	259.64	356.82	332.80	24.02	14.858	
3,200.00	3,111.13	3,144.50	2,958.11	16.25	19.78	-12.16	-983.71	271.31	372.58	347.69	24.89	14.968	
3,300.00	3,207.48	3,243.24	3,048.03	16.84	20.57	-12.26	-1,022.83	282.98	388.34	362.58	25.77	15.070	
3,400.00	3,303.82	3,341.99	3,137.94	17.42	21.36	-12.35	-1,061.96	294.65	404.11	377.46	26.65	15.166	
3,500.00	3,400.17	3,440.74	3,227.85	18.00	22.15	-12.44	-1,101.08	306.32	419.88	392.35	27.52	15.255	
3,600.00	3,496.52	3,539.48	3,317.76	18.58	22.94	-12.52	-1,140.21	317.99	435.65	407.24	28.40	15.338	
3,700.00	3,592.87	3,638.23	3,407.67	19.16	23.73	-12.59	-1,179.33	329.66	451.41	422.13	29.28	15.416	
3,800.00	3,689.21	3,736.98	3,497.58	19.74	24.52	-12.66	-1,218.46	341.33	467.18	437.02	30.16	15.489	
3,900.00	3,785.56	3,835.73	3,587.49	20.33	25.32	-12.73	-1,257.59	353.00	482.95	451.91	31.04	15.558	
4,000.00	3,881.91	3,934.47	3,677.40	20.91	26.11	-12.79	-1,296.71	364.67	498.73	466.80	31.92	15.623	
4,100.00	3,978.25	4,033.22	3,767.31	21.49	26.90	-12.85	-1,335.84	376.35	514.50	481.69	32.80	15.685	
4,200.00	4,074.60	4,131.97	3,857.23	22.07	27.69	-12.90	-1,374.96	388.02	530.27	496.58	33.68	15.743	
4,300.00	4,170.95	4,230.72	3,947.14	22.65	28.48	-12.95	-1,414.09	399.69	546.04	511.48	34.57	15.797	
4,400.00	4,267.29	4,329.46	4,037.05	23.24	29.28	-13.00	-1,453.21	411.36	561.81	526.37	35.45	15.850	
4,500.00	4,363.64	4,428.21	4,126.96	23.82	30.07	-13.05	-1,492.34	423.03	577.59	541.26	36.33	15.899	
4,600.00	4,459.99	4,526.96	4,216.87	24.40	30.86	-13.09	-1,531.47	434.70	593.36	556.15	37.21	15.946	
4,700.00	4,556.34	4,625.70	4,306.78	24.98	31.65	-13.13	-1,570.59	446.37	609.13	571.04	38.09	15.991	
4,800.00	4,652.68	4,724.45	4,396.69	25.57	32.45	-13.17	-1,609.72	458.04	624.91	585.93	38.98	16.033	

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - LONE TREE 4-65 15-16 4BH - 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		
4,900.00	4,749.03	4,823.20	4,486.60	26.15	33.24	-13.20	-1,648.84	469.71	640.68	600.82	39.86	16.074		
5,000.00	4,845.38	4,921.95	4,576.51	26.73	34.03	-13.24	-1,687.97	481.38	656.45	615.71	40.74	16.113		
5,100.00	4,941.72	5,020.69	4,666.43	27.32	34.83	-13.27	-1,727.09	493.05	672.23	630.61	41.62	16.150		
5,200.00	5,038.07	5,119.44	4,756.34	27.90	35.62	-13.31	-1,766.22	504.72	688.00	645.50	42.51	16.186		
5,300.00	5,134.42	5,218.19	4,846.25	28.48	36.42	-13.34	-1,805.35	516.39	703.78	660.39	43.39	16.220		
5,400.00	5,230.76	5,316.94	4,936.16	29.06	37.21	-13.36	-1,844.47	528.06	719.55	675.28	44.27	16.252		
5,500.00	5,327.11	5,415.68	5,026.07	29.65	38.00	-13.39	-1,883.60	539.73	735.33	690.17	45.16	16.284		
5,600.00	5,423.46	5,514.43	5,115.98	30.23	38.80	-13.42	-1,922.72	551.40	751.10	705.06	46.04	16.314		
5,700.00	5,519.81	5,613.18	5,205.89	30.81	39.59	-13.44	-1,961.85	563.07	766.88	719.95	46.93	16.342		
5,800.00	5,616.15	5,711.92	5,295.80	31.40	40.38	-13.47	-2,000.97	574.74	782.66	734.85	47.81	16.370		
5,900.00	5,712.50	5,810.67	5,385.71	31.98	41.18	-13.49	-2,040.10	586.41	798.43	749.74	48.69	16.397		
6,000.00	5,808.85	5,909.42	5,475.63	32.56	41.97	-13.52	-2,079.23	598.08	814.21	764.63	49.58	16.423		
6,100.00	5,905.19	6,008.17	5,565.54	33.15	42.77	-13.54	-2,118.35	609.75	829.98	779.52	50.46	16.447		
6,200.00	6,001.54	6,106.91	5,655.45	33.73	43.56	-13.56	-2,157.48	621.42	845.76	794.41	51.35	16.471		
6,300.00	6,097.89	6,205.66	5,745.36	34.31	44.36	-13.58	-2,196.60	633.09	861.54	809.31	52.23	16.494		
6,400.00	6,194.24	6,304.41	5,835.27	34.90	45.15	-13.60	-2,235.73	644.76	877.31	824.20	53.12	16.517		
6,500.00	6,290.58	6,403.15	5,925.18	35.48	45.94	-13.62	-2,274.85	656.43	893.09	839.09	54.00	16.538		
6,600.00	6,386.93	6,501.90	6,015.09	36.06	46.74	-13.64	-2,313.98	668.10	908.87	853.98	54.89	16.559		
6,700.00	6,483.28	6,600.65	6,105.00	36.65	47.53	-13.65	-2,353.10	679.77	924.64	868.87	55.77	16.579		
6,800.00	6,579.62	6,700.60	6,194.91	37.23	48.34	-13.67	-2,392.23	691.44	940.42	883.76	56.66	16.597		
6,900.00	6,675.97	6,801.86	6,284.83	37.81	49.15	-13.69	-2,431.36	703.11	956.20	898.64	57.56	16.612		
7,000.00	6,772.32	6,896.89	6,374.74	38.40	49.92	-13.70	-2,470.48	714.78	971.97	913.55	58.43	16.636		
7,100.00	6,868.66	7,004.36	6,464.65	38.98	50.78	-13.72	-2,509.61	726.45	987.75	928.40	59.35	16.642		
7,200.00	6,965.01	7,094.39	6,554.56	39.56	51.51	-13.73	-2,548.73	738.12	1,003.53	943.33	60.20	16.671		
7,300.00	7,061.36	7,206.87	6,644.47	40.15	52.41	-13.75	-2,587.86	749.79	1,019.31	958.16	61.15	16.669		
7,400.00	7,157.71	7,291.88	6,734.38	40.73	53.10	-13.76	-2,626.98	761.46	1,035.08	973.11	61.97	16.703		
7,500.00	7,254.05	7,390.63	6,824.29	41.31	53.89	-13.77	-2,666.11	773.13	1,050.86	988.01	62.85	16.719		
7,600.00	7,350.40	7,489.37	6,914.20	41.90	54.69	-13.79	-2,705.24	784.80	1,066.64	1,002.90	63.74	16.734		
7,679.74	7,427.23	7,568.12	6,985.90	42.36	55.32	-13.80	-2,736.44	794.11	1,079.22	1,014.77	64.45	16.746		
7,700.00	7,446.72	7,588.14	7,004.13	42.48	55.48	-7.13	-2,744.37	796.47	1,082.26	1,017.64	64.62	16.748		
7,750.00	7,494.53	7,637.62	7,049.18	42.78	55.88	7.16	-2,763.97	802.32	1,088.48	1,023.48	65.00	16.746		
7,800.00	7,541.59	7,686.87	7,094.02	43.09	56.28	18.07	-2,783.49	808.14	1,092.84	1,027.53	65.32	16.732		
7,850.00	7,587.55	7,735.51	7,138.32	43.39	56.67	26.26	-2,802.76	813.89	1,095.40	1,029.83	65.57	16.706		
7,900.00	7,632.06	7,783.19	7,181.73	43.70	57.05	32.61	-2,821.65	819.53	1,096.24	1,030.47	65.77	16.668		
7,950.00	7,674.78	7,829.53	7,223.92	44.01	57.42	37.77	-2,840.01	825.00	1,095.52	1,029.59	65.93	16.616		
8,000.00	7,715.39	7,874.18	7,264.57	44.33	57.78	42.16	-2,857.70	830.28	1,093.43	1,027.35	66.08	16.547		
8,050.00	7,753.58	7,916.80	7,303.38	44.64	58.13	46.04	-2,874.59	835.32	1,090.21	1,023.97	66.24	16.459		
8,100.00	7,789.06	7,957.07	7,340.05	44.95	58.45	49.56	-2,890.54	840.07	1,086.13	1,019.69	66.45	16.346		
8,150.00	7,821.55	8,006.67	7,385.26	45.26	58.85	53.25	-2,910.22	845.41	1,081.42	1,014.57	66.85	16.178		
8,200.00	7,850.82	8,063.79	7,437.60	45.57	59.27	57.33	-2,933.00	846.88	1,075.85	1,008.39	67.45	15.949		
8,250.00	7,876.63	8,102.87	7,473.36	45.89	59.54	60.63	-2,948.57	844.60	1,070.26	1,002.11	68.15	15.704		
8,300.00	7,898.79	8,128.28	7,496.50	46.21	59.71	63.11	-2,958.65	841.70	1,065.44	996.42	69.02	15.436		
8,350.00	7,917.13	8,143.54	7,510.34	46.53	59.80	64.82	-2,964.68	839.42	1,061.90	991.78	70.12	15.145		
8,400.00	7,931.52	8,151.27	7,517.32	46.86	59.85	65.84	-2,967.71	838.11	1,059.91	988.47	71.43	14.837		
8,433.72	7,938.93	8,153.19	7,519.05	47.09	59.86	66.19	-2,968.47	837.77	1,059.51	987.07	72.45	14.624		
8,450.00	7,941.84	8,153.33	7,519.18	47.20	59.86	66.27	-2,968.53	837.75	1,059.61	986.64	72.97	14.522		
8,500.00	7,948.02	8,151.08	7,517.14	47.54	59.85	66.17	-2,967.64	838.15	1,061.03	986.34	74.69	14.205		
8,548.56	7,950.00	8,145.69	7,512.27	47.88	59.82	65.64	-2,965.52	839.07	1,064.02	987.50	76.52	13.905		
8,600.00	7,950.00	8,139.06	7,506.28	48.26	59.77	65.28	-2,962.91	840.13	1,069.21	990.60	78.61	13.602		
8,700.00	7,950.00	8,128.53	7,496.73	49.08	59.71	64.72	-2,958.75	841.67	1,086.10	1,003.13	82.98	13.089		
8,800.00	7,950.00	8,120.28	7,489.23	50.02	59.66	64.28	-2,955.48	842.73	1,111.65	1,024.16	87.49	12.705		
8,900.00	7,950.00	8,113.64	7,483.18	51.07	59.61	63.92	-2,952.85	843.51	1,145.32	1,053.41	91.91	12.462		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - LONE TREE 4-65 15-16 4BH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,000.00	7,950.00	8,100.00	7,470.74	52.25	59.53	63.19	-2,947.43	844.86	1,186.48	1,090.63	95.84	12.379		
9,100.00	7,950.00	8,100.00	7,470.74	53.55	59.53	63.19	-2,947.43	844.86	1,234.25	1,134.57	99.69	12.382		
9,200.00	7,950.00	8,100.00	7,470.74	54.97	59.53	63.19	-2,947.43	844.86	1,288.03	1,184.95	103.08	12.495		
9,300.00	7,950.00	8,100.00	7,470.74	56.50	59.53	63.19	-2,947.43	844.86	1,347.10	1,241.07	106.04	12.704		
9,400.00	7,950.00	8,100.00	7,470.74	58.13	59.53	63.19	-2,947.43	844.86	1,410.79	1,302.22	108.58	12.994		
9,500.00	7,950.00	8,100.00	7,470.74	59.85	59.53	63.19	-2,947.43	844.86	1,478.51	1,367.77	110.74	13.351		
9,600.00	7,950.00	8,100.00	7,470.74	61.66	59.53	63.19	-2,947.43	844.86	1,549.72	1,437.14	112.58	13.766		
9,700.00	7,950.00	8,100.00	7,470.74	63.55	59.53	63.19	-2,947.43	844.86	1,623.97	1,509.84	114.13	14.229		
9,800.00	7,950.00	8,100.00	7,470.74	65.51	59.53	63.19	-2,947.43	844.86	1,700.86	1,585.42	115.44	14.733		
9,900.00	7,950.00	8,083.36	7,455.53	67.52	59.41	62.30	-2,940.81	846.07	1,779.78	1,663.59	116.19	15.318		
10,000.00	7,950.00	8,081.91	7,454.19	69.60	59.40	62.22	-2,940.23	846.16	1,860.92	1,743.83	117.09	15.892		
10,100.00	7,950.00	8,080.58	7,452.98	71.72	59.39	62.15	-2,939.70	846.23	1,943.82	1,825.96	117.86	16.493		
10,200.00	7,950.00	8,079.37	7,451.87	73.89	59.38	62.08	-2,939.22	846.29	2,028.26	1,909.75	118.51	17.115		
10,300.00	7,950.00	8,078.26	7,450.86	76.09	59.37	62.02	-2,938.77	846.35	2,114.05	1,995.00	119.05	17.757		
10,400.00	7,950.00	8,077.24	7,449.92	78.34	59.37	61.97	-2,938.37	846.40	2,201.04	2,081.52	119.51	18.416		
10,500.00	7,950.00	8,076.30	7,449.06	80.61	59.36	61.92	-2,937.99	846.44	2,289.09	2,169.18	119.91	19.091		
10,600.00	7,950.00	8,075.42	7,448.25	82.91	59.35	61.87	-2,937.64	846.48	2,378.08	2,257.84	120.24	19.778		
10,700.00	7,950.00	8,074.61	7,447.51	85.24	59.35	61.83	-2,937.32	846.52	2,467.92	2,347.40	120.52	20.477		
10,800.00	7,950.00	8,073.85	7,446.82	87.60	59.34	61.79	-2,937.02	846.55	2,558.51	2,437.75	120.76	21.186		
10,900.00	7,950.00	8,073.15	7,446.17	89.97	59.34	61.75	-2,936.73	846.58	2,649.77	2,528.81	120.97	21.905		
11,000.00	7,950.00	8,072.49	7,445.57	92.37	59.33	61.71	-2,936.47	846.60	2,741.65	2,620.51	121.14	22.632		
11,100.00	7,950.00	8,071.87	7,445.00	94.78	59.33	61.68	-2,936.22	846.63	2,834.07	2,712.78	121.29	23.366		
11,200.00	7,950.00	8,071.28	7,444.46	97.21	59.32	61.65	-2,935.99	846.65	2,926.99	2,805.58	121.42	24.107		
11,300.00	7,950.00	8,070.74	7,443.96	99.65	59.32	61.62	-2,935.77	846.67	3,020.36	2,898.84	121.52	24.854		
11,400.00	7,950.00	8,070.22	7,443.49	102.11	59.32	61.59	-2,935.57	846.69	3,114.15	2,992.53	121.61	25.607		
11,500.00	7,950.00	8,050.00	7,424.95	104.58	59.18	60.51	-2,927.50	847.05	3,208.69	3,087.38	121.31	26.450		
11,600.00	7,950.00	8,050.00	7,424.95	107.07	59.18	60.51	-2,927.50	847.05	3,303.17	3,181.78	121.39	27.212		
11,700.00	7,950.00	8,050.00	7,424.95	109.56	59.18	60.51	-2,927.50	847.05	3,397.97	3,276.51	121.46	27.977		
11,800.00	7,950.00	8,050.00	7,424.95	112.07	59.18	60.51	-2,927.50	847.05	3,493.06	3,371.54	121.51	28.746		
11,900.00	7,950.00	8,050.00	7,424.95	114.58	59.18	60.51	-2,927.50	847.05	3,588.41	3,466.85	121.56	29.519		
12,000.00	7,950.00	8,050.00	7,424.95	117.10	59.18	60.51	-2,927.50	847.05	3,684.02	3,562.41	121.61	30.295		
12,100.00	7,950.00	8,050.00	7,424.95	119.63	59.18	60.51	-2,927.50	847.05	3,779.85	3,658.20	121.64	31.073		
12,200.00	7,950.00	8,050.00	7,424.95	122.17	59.18	60.51	-2,927.50	847.05	3,875.89	3,754.21	121.68	31.854		
12,300.00	7,950.00	8,050.00	7,424.95	124.72	59.18	60.51	-2,927.50	847.05	3,972.12	3,850.42	121.70	32.637		
12,400.00	7,950.00	8,050.00	7,424.95	127.27	59.18	60.51	-2,927.50	847.05	4,068.54	3,946.81	121.73	33.423		
12,500.00	7,950.00	8,050.00	7,424.95	129.82	59.18	60.51	-2,927.50	847.05	4,165.13	4,043.38	121.75	34.210		
12,600.00	7,950.00	8,050.00	7,424.95	132.39	59.18	60.51	-2,927.50	847.05	4,261.87	4,140.10	121.77	35.000		
12,700.00	7,950.00	8,050.00	7,424.95	134.96	59.18	60.51	-2,927.50	847.05	4,358.76	4,236.97	121.79	35.791		
12,800.00	7,950.00	8,050.00	7,424.95	137.53	59.18	60.51	-2,927.50	847.05	4,455.79	4,333.99	121.80	36.583		
12,900.00	7,950.00	8,050.00	7,424.95	140.11	59.18	60.51	-2,927.50	847.05	4,552.94	4,431.13	121.81	37.377		
13,000.00	7,950.00	8,050.00	7,424.95	142.69	59.18	60.51	-2,927.50	847.05	4,650.22	4,528.40	121.82	38.171		
13,100.00	7,950.00	8,050.00	7,424.95	145.28	59.18	60.51	-2,927.50	847.05	4,747.61	4,625.78	121.84	38.968		
13,200.00	7,950.00	8,050.00	7,424.95	147.87	59.18	60.51	-2,927.50	847.05	4,845.11	4,723.26	121.84	39.765		
13,300.00	7,950.00	8,050.00	7,424.95	150.47	59.18	60.51	-2,927.50	847.05	4,942.71	4,820.85	121.85	40.563		
13,400.00	7,950.00	8,050.00	7,424.95	153.07	59.18	60.51	-2,927.50	847.05	5,040.40	4,918.53	121.86	41.361		
13,500.00	7,950.00	8,050.00	7,424.95	155.67	59.18	60.51	-2,927.50	847.05	5,138.18	5,016.31	121.87	42.161		
13,600.00	7,950.00	8,050.00	7,424.95	158.28	59.18	60.51	-2,927.50	847.05	5,236.04	5,114.16	121.88	42.961		
13,700.00	7,950.00	8,050.00	7,424.95	160.88	59.18	60.51	-2,927.50	847.05	5,333.98	5,212.10	121.89	43.762		
13,800.00	7,950.00	8,050.00	7,424.95	163.50	59.18	60.51	-2,927.50	847.05	5,432.00	5,310.11	121.89	44.563		
13,900.00	7,950.00	8,050.00	7,424.95	166.11	59.18	60.51	-2,927.50	847.05	5,530.09	5,408.19	121.90	45.365		
14,000.00	7,950.00	8,050.00	7,424.95	168.73	59.18	60.51	-2,927.50	847.05	5,628.25	5,506.34	121.91	46.167		
14,100.00	7,950.00	8,050.00	7,424.95	171.35	59.18	60.51	-2,927.50	847.05	5,726.47	5,604.55	121.92	46.970		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - LONE TREE 4-65 15-16 4BH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)						
14,200.00	7,950.00	8,050.00	7,424.95	173.97	59.18	60.51	-2,927.50	847.05	5,824.75	5,702.82	121.93	47.773		
14,300.00	7,950.00	8,050.00	7,424.95	176.59	59.18	60.51	-2,927.50	847.05	5,923.09	5,801.15	121.94	48.576		
14,400.00	7,950.00	8,050.00	7,424.95	179.22	59.18	60.51	-2,927.50	847.05	6,021.48	5,899.53	121.94	49.379		
14,500.00	7,950.00	8,050.00	7,424.95	181.85	59.18	60.51	-2,927.50	847.05	6,119.92	5,997.97	121.95	50.182		
14,600.00	7,950.00	8,050.00	7,424.95	184.48	59.18	60.51	-2,927.50	847.05	6,218.42	6,096.45	121.96	50.986		
14,700.00	7,950.00	8,050.00	7,424.95	187.11	59.18	60.51	-2,927.50	847.05	6,316.96	6,194.99	121.97	51.789		
14,800.00	7,950.00	8,050.00	7,424.95	189.75	59.18	60.51	-2,927.50	847.05	6,415.55	6,293.56	121.98	52.593		
14,900.00	7,950.00	8,050.00	7,424.95	192.38	59.18	60.51	-2,927.50	847.05	6,514.18	6,392.18	122.00	53.397		
15,000.00	7,950.00	8,050.00	7,424.95	195.02	59.18	60.51	-2,927.50	847.05	6,612.85	6,490.84	122.01	54.200		
15,100.00	7,950.00	8,050.00	7,424.95	197.66	59.18	60.51	-2,927.50	847.05	6,711.56	6,589.54	122.02	55.004		
15,200.00	7,950.00	8,050.00	7,424.95	200.30	59.18	60.51	-2,927.50	847.05	6,810.31	6,688.27	122.03	55.807		
15,300.00	7,950.00	8,050.00	7,424.95	202.94	59.18	60.51	-2,927.50	847.05	6,909.09	6,787.04	122.05	56.610		
15,400.00	7,950.00	8,050.00	7,424.95	205.59	59.18	60.51	-2,927.50	847.05	7,007.91	6,885.85	122.06	57.413		
15,500.00	7,950.00	8,050.00	7,424.95	208.23	59.18	60.51	-2,927.50	847.05	7,106.76	6,984.69	122.08	58.216		
15,600.00	7,950.00	8,050.00	7,424.95	210.88	59.18	60.51	-2,927.50	847.05	7,205.64	7,083.55	122.09	59.019		
15,700.00	7,950.00	8,050.00	7,424.95	213.52	59.18	60.51	-2,927.50	847.05	7,304.56	7,182.45	122.11	59.821		
15,800.00	7,950.00	8,050.00	7,424.95	216.17	59.18	60.51	-2,927.50	847.05	7,403.50	7,281.38	122.12	60.623		
15,900.00	7,950.00	8,050.00	7,424.95	218.82	59.18	60.51	-2,927.50	847.05	7,502.47	7,380.33	122.14	61.425		
16,000.00	7,950.00	8,050.00	7,424.95	221.47	59.18	60.51	-2,927.50	847.05	7,601.47	7,479.31	122.16	62.227		
16,100.00	7,950.00	8,050.00	7,424.95	224.13	59.18	60.51	-2,927.50	847.05	7,700.49	7,578.32	122.18	63.028		
16,200.00	7,950.00	8,050.00	7,424.95	226.78	59.18	60.51	-2,927.50	847.05	7,799.54	7,677.35	122.19	63.829		
16,300.00	7,950.00	8,050.00	7,424.95	229.43	59.18	60.51	-2,927.50	847.05	7,898.62	7,776.40	122.21	64.629		
16,400.00	7,950.00	8,050.00	7,424.95	232.09	59.18	60.51	-2,927.50	847.05	7,997.71	7,875.48	122.23	65.429		
16,500.00	7,950.00	8,050.00	7,424.95	234.75	59.18	60.51	-2,927.50	847.05	8,096.83	7,974.57	122.26	66.229		
16,600.00	7,950.00	8,050.00	7,424.95	237.40	59.18	60.51	-2,927.50	847.05	8,195.97	8,073.69	122.28	67.028		
16,700.00	7,950.00	8,050.00	7,424.95	240.06	59.18	60.51	-2,927.50	847.05	8,295.13	8,172.83	122.30	67.827		
16,800.00	7,950.00	8,050.00	7,424.95	242.72	59.18	60.51	-2,927.50	847.05	8,394.31	8,271.99	122.32	68.625		
16,900.00	7,950.00	8,050.00	7,424.95	245.38	59.18	60.51	-2,927.50	847.05	8,493.51	8,371.16	122.34	69.423		
17,000.00	7,950.00	8,050.00	7,424.95	248.04	59.18	60.51	-2,927.50	847.05	8,592.73	8,470.36	122.37	70.220		
17,100.00	7,950.00	8,050.00	7,424.95	250.70	59.18	60.51	-2,927.50	847.05	8,691.96	8,569.57	122.39	71.017		
17,200.00	7,950.00	8,050.00	7,424.95	253.36	59.18	60.51	-2,927.50	847.05	8,791.21	8,668.80	122.42	71.813		
17,300.00	7,950.00	8,050.00	7,424.95	256.02	59.18	60.51	-2,927.50	847.05	8,890.48	8,768.04	122.44	72.608		
17,400.00	7,950.00	8,050.00	7,424.95	258.69	59.18	60.51	-2,927.50	847.05	8,989.77	8,867.30	122.47	73.403		
17,500.00	7,950.00	8,050.00	7,424.95	261.35	59.18	60.51	-2,927.50	847.05	9,089.07	8,966.57	122.50	74.198		
17,600.00	7,950.00	8,050.00	7,424.95	264.01	59.18	60.51	-2,927.50	847.05	9,188.39	9,065.86	122.53	74.992		
17,700.00	7,950.00	8,050.00	7,424.95	266.68	59.18	60.51	-2,927.50	847.05	9,287.72	9,165.17	122.55	75.785		
17,800.00	7,950.00	8,050.00	7,424.95	269.34	59.18	60.51	-2,927.50	847.05	9,387.07	9,264.48	122.58	76.578		
17,900.00	7,950.00	8,050.00	7,424.95	272.01	59.18	60.51	-2,927.50	847.05	9,486.43	9,363.81	122.61	77.370		
18,000.00	7,950.00	8,050.00	7,424.95	274.68	59.18	60.51	-2,927.50	847.05	9,585.80	9,463.16	122.64	78.161		
18,100.00	7,950.00	8,050.00	7,424.95	277.34	59.18	60.51	-2,927.50	847.05	9,685.18	9,562.51	122.67	78.952		
18,200.00	7,950.00	8,050.00	7,424.95	280.01	59.18	60.51	-2,927.50	847.05	9,784.58	9,661.88	122.70	79.742		
18,300.00	7,950.00	8,050.00	7,424.95	282.68	59.18	60.51	-2,927.50	847.05	9,883.99	9,761.26	122.74	80.531		
18,400.00	7,950.00	8,050.00	7,424.95	285.35	59.18	60.51	-2,927.50	847.05	9,983.41	9,860.65	122.77	81.319		

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - PROSPER FARMS 4-65 14-13 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	5.20	5.20	0.00	0.01	-0.08	199.98	-0.28	199.98					
100.00	100.00	105.20	105.20	0.13	0.15	-0.08	199.98	-0.28	199.98	199.70	0.29	695.607		
200.00	200.00	205.20	205.20	0.49	0.51	-0.08	199.98	-0.28	199.98	198.98	1.00	199.100		
206.40	206.40	211.60	211.60	0.52	0.53	-0.08	199.98	-0.28	199.98	198.93	1.05	190.403 CC		
250.00	250.00	254.88	254.88	0.67	0.69	-0.08	199.99	-0.28	199.99	198.63	1.36	146.856 ES		
300.00	300.00	301.76	301.75	0.84	0.86	-168.99	200.43	-0.13	200.88	199.18	1.70	117.952		
400.00	399.93	395.21	395.15	1.18	1.20	-168.86	203.48	0.88	207.57	205.18	2.39	86.887		
500.00	499.68	487.76	487.49	1.54	1.53	-168.63	209.34	2.82	220.73	217.64	3.09	71.485		
600.00	599.13	578.86	578.13	1.91	1.87	-168.32	217.88	5.65	240.27	236.49	3.78	63.484		
700.00	698.15	667.96	666.48	2.31	2.22	-167.98	228.87	9.29	266.07	261.59	4.47	59.462		
800.00	796.63	758.32	755.71	2.74	2.58	-167.63	242.40	13.78	297.68	292.51	5.17	57.603		
900.00	894.44	851.89	848.04	3.20	2.98	-167.40	256.82	18.56	332.94	327.06	5.88	56.639		
1,000.00	991.46	944.21	939.13	3.70	3.37	-167.29	271.05	23.27	371.36	364.77	6.59	56.356		
1,026.71	1,017.23	968.64	963.23	3.84	3.47	-167.28	274.82	24.52	382.16	375.38	6.78	56.332		
1,100.00	1,087.84	1,035.54	1,029.24	4.23	3.76	-167.39	285.13	27.94	412.08	404.79	7.29	56.498		
1,200.00	1,184.19	1,126.82	1,119.31	4.78	4.15	-167.51	299.20	32.60	452.91	444.92	7.99	56.664		
1,300.00	1,280.54	1,218.10	1,209.38	5.33	4.55	-167.61	313.26	37.26	493.75	485.05	8.70	56.770		
1,400.00	1,376.88	1,309.38	1,299.45	5.89	4.95	-167.70	327.33	41.93	534.58	525.18	9.41	56.836		
1,500.00	1,473.23	1,400.66	1,389.52	6.45	5.34	-167.77	341.40	46.59	575.42	565.30	10.12	56.874		
1,600.00	1,569.58	1,491.94	1,479.59	7.02	5.74	-167.84	355.47	51.25	616.25	605.42	10.83	56.894		
1,700.00	1,665.92	1,583.22	1,569.66	7.59	6.14	-167.89	369.54	55.92	657.09	645.54	11.55	56.900		
1,800.00	1,762.27	1,674.50	1,659.73	8.16	6.54	-167.94	383.61	60.58	697.92	685.66	12.27	56.897		
1,900.00	1,858.62	1,765.78	1,749.80	8.73	6.94	-167.99	397.67	65.24	738.76	725.78	12.99	56.887		
2,000.00	1,954.97	1,857.06	1,839.86	9.31	7.35	-168.03	411.74	69.90	779.60	765.89	13.71	56.874		
2,100.00	2,051.31	1,948.34	1,929.93	9.88	7.75	-168.06	425.81	74.57	820.44	806.01	14.43	56.857		
2,200.00	2,147.66	2,039.62	2,020.00	10.46	8.15	-168.10	439.88	79.23	861.27	846.12	15.15	56.839		
2,300.00	2,244.01	2,130.90	2,110.07	11.04	8.55	-168.12	453.95	83.89	902.11	886.24	15.88	56.819		
2,400.00	2,340.35	2,222.18	2,200.14	11.62	8.96	-168.15	468.02	88.56	942.95	926.35	16.60	56.798		
2,500.00	2,436.70	2,313.46	2,290.21	12.19	9.36	-168.18	482.08	93.22	983.79	966.46	17.33	56.777		
2,600.00	2,533.05	2,404.74	2,380.28	12.77	9.76	-168.20	496.15	97.88	1,024.63	1,006.57	18.05	56.756		
2,700.00	2,629.39	2,503.98	2,470.35	13.35	10.20	-168.22	510.22	102.54	1,065.47	1,046.66	18.81	56.643		
2,800.00	2,725.74	2,587.30	2,560.42	13.93	10.57	-168.24	524.29	107.21	1,106.31	1,086.80	19.51	56.714		
2,900.00	2,822.09	2,678.58	2,650.49	14.51	10.97	-168.26	538.36	111.87	1,147.14	1,126.91	20.23	56.693		
3,000.00	2,918.44	2,769.86	2,740.55	15.09	11.38	-168.27	552.43	116.53	1,187.98	1,167.02	20.96	56.673		
3,100.00	3,014.78	2,861.14	2,830.62	15.67	11.78	-168.29	566.49	121.20	1,228.82	1,207.13	21.69	56.653		
3,200.00	3,111.13	2,952.42	2,920.69	16.25	12.18	-168.30	580.56	125.86	1,269.66	1,247.24	22.42	56.633		
3,300.00	3,207.48	3,043.70	3,010.76	16.84	12.59	-168.32	594.63	130.52	1,310.50	1,287.35	23.15	56.614		
3,400.00	3,303.82	3,134.98	3,100.83	17.42	12.99	-168.33	608.70	135.18	1,351.34	1,327.46	23.88	56.595		
3,500.00	3,400.17	3,226.26	3,190.90	18.00	13.39	-168.34	622.77	139.85	1,392.18	1,367.57	24.61	56.577		
3,600.00	3,496.52	3,317.54	3,280.97	18.58	13.80	-168.35	636.84	144.51	1,433.02	1,407.68	25.34	56.559		
3,700.00	3,592.87	3,408.82	3,371.04	19.16	14.20	-168.37	650.90	149.17	1,473.86	1,447.79	26.07	56.542		
3,800.00	3,689.21	3,500.10	3,461.11	19.74	14.61	-168.38	664.97	153.84	1,514.70	1,487.90	26.80	56.525		
3,900.00	3,785.56	3,608.62	3,551.18	20.33	15.09	-168.38	679.04	158.50	1,555.54	1,527.94	27.59	56.373		
4,000.00	3,881.91	3,682.66	3,641.24	20.91	15.42	-168.39	693.11	163.16	1,596.38	1,568.12	28.26	56.492		
4,100.00	3,978.25	3,773.94	3,731.31	21.49	15.82	-168.40	707.18	167.82	1,637.22	1,608.23	28.99	56.476		
4,200.00	4,074.60	3,865.22	3,821.38	22.07	16.22	-168.41	721.25	172.49	1,678.06	1,648.34	29.72	56.460		
4,300.00	4,170.95	3,956.50	3,911.45	22.65	16.63	-168.42	735.31	177.15	1,718.90	1,688.44	30.45	56.445		
4,400.00	4,267.29	4,047.78	4,001.52	23.24	17.03	-168.43	749.38	181.81	1,759.74	1,728.55	31.18	56.430		
4,500.00	4,363.64	4,139.06	4,091.59	23.82	17.44	-168.43	763.45	186.48	1,800.58	1,768.66	31.92	56.416		
4,600.00	4,459.99	4,230.34	4,181.66	24.40	17.84	-168.44	777.52	191.14	1,841.41	1,808.77	32.65	56.402		
4,700.00	4,556.34	4,321.62	4,271.73	24.98	18.25	-168.45	791.59	195.80	1,882.25	1,848.87	33.38	56.388		
4,800.00	4,652.68	4,412.91	4,361.80	25.57	18.65	-168.45	805.66	200.46	1,923.09	1,888.98	34.11	56.374		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - PROSPER FARMS 4-65 14-13 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		
4,900.00	4,749.03	4,504.19	4,451.87	26.15	19.05	-168.46	819.72	205.13	1,963.93	1,929.09	34.85	56.360		
5,000.00	4,845.38	4,595.47	4,541.93	26.73	19.46	-168.47	833.79	209.79	2,004.77	1,969.19	35.58	56.347		
5,100.00	4,941.72	4,686.75	4,632.00	27.32	19.86	-168.47	847.86	214.45	2,045.61	2,009.30	36.31	56.334		
5,200.00	5,038.07	4,778.03	4,722.07	27.90	20.27	-168.48	861.93	219.12	2,086.45	2,049.41	37.05	56.321		
5,300.00	5,134.42	4,869.31	4,812.14	28.48	20.67	-168.48	876.00	223.78	2,127.29	2,089.51	37.78	56.309		
5,400.00	5,230.76	4,960.59	4,902.21	29.06	21.08	-168.49	890.07	228.44	2,168.13	2,129.62	38.51	56.296		
5,500.00	5,327.11	5,051.87	4,992.28	29.65	21.48	-168.49	904.13	233.10	2,208.97	2,169.73	39.25	56.284		
5,600.00	5,423.46	5,143.15	5,082.35	30.23	21.89	-168.50	918.20	237.77	2,249.81	2,209.83	39.98	56.272		
5,700.00	5,519.81	5,234.43	5,172.42	30.81	22.29	-168.50	932.27	242.43	2,290.65	2,249.94	40.72	56.260		
5,800.00	5,616.15	5,325.71	5,262.49	31.40	22.70	-168.50	946.34	247.09	2,331.49	2,290.04	41.45	56.248		
5,900.00	5,712.50	5,416.99	5,352.55	31.98	23.10	-168.51	960.41	251.75	2,372.33	2,330.15	42.18	56.236		
6,000.00	5,808.85	5,508.27	5,442.62	32.56	23.50	-168.51	974.48	256.42	2,413.17	2,370.25	42.92	56.225		
6,100.00	5,905.19	5,599.55	5,532.69	33.15	23.91	-168.52	988.54	261.08	2,454.01	2,410.36	43.66	56.213		
6,200.00	6,001.54	5,690.83	5,622.76	33.73	24.31	-168.52	1,002.61	265.74	2,494.85	2,450.46	44.39	56.202		
6,300.00	6,097.89	5,782.11	5,712.83	34.31	24.72	-168.52	1,016.68	270.41	2,535.69	2,490.57	45.13	56.191		
6,400.00	6,194.24	5,873.39	5,802.90	34.90	25.12	-168.53	1,030.75	275.07	2,576.53	2,530.67	45.86	56.180		
6,500.00	6,290.58	5,964.67	5,892.97	35.48	25.53	-168.53	1,044.82	279.73	2,617.37	2,570.77	46.60	56.169		
6,600.00	6,386.93	6,055.95	5,983.04	36.06	25.93	-168.53	1,058.89	284.39	2,658.21	2,610.88	47.33	56.158		
6,700.00	6,483.28	6,147.23	6,073.11	36.65	26.34	-168.54	1,072.95	289.06	2,699.05	2,650.98	48.07	56.147		
6,800.00	6,579.62	6,238.51	6,163.18	37.23	26.74	-168.54	1,087.02	293.72	2,739.89	2,691.08	48.81	56.137		
6,900.00	6,675.97	6,329.79	6,253.24	37.81	27.15	-168.54	1,101.09	298.38	2,780.73	2,731.19	49.54	56.126		
7,000.00	6,772.32	6,421.07	6,343.31	38.40	27.55	-168.55	1,115.16	303.05	2,821.57	2,771.29	50.28	56.115		
7,100.00	6,868.66	6,512.35	6,433.38	38.98	27.96	-168.55	1,129.23	307.71	2,862.41	2,811.39	51.02	56.105		
7,200.00	6,965.01	6,603.63	6,523.45	39.56	28.36	-168.55	1,143.30	312.37	2,903.25	2,851.50	51.76	56.094		
7,300.00	7,061.36	6,705.09	6,613.52	40.15	28.81	-168.55	1,157.36	317.03	2,944.09	2,891.56	52.53	56.042		
7,400.00	7,157.71	6,786.19	6,703.59	40.73	29.17	-168.56	1,171.43	321.70	2,984.93	2,931.70	53.23	56.074		
7,500.00	7,254.05	6,877.47	6,793.66	41.31	29.58	-168.56	1,185.50	326.36	3,025.77	2,971.80	53.97	56.063		
7,600.00	7,350.40	6,968.75	6,883.73	41.90	29.98	-168.56	1,199.57	331.02	3,066.61	3,011.90	54.71	56.053		
7,679.74	7,427.23	7,041.54	6,955.55	42.36	30.30	-168.56	1,210.79	334.74	3,099.18	3,043.88	55.30	56.045		
7,700.00	7,446.72	7,060.03	6,973.79	42.48	30.38	-160.74	1,213.64	335.69	3,107.45	3,052.00	55.45	56.042		
7,750.00	7,494.53	7,105.51	7,018.67	42.78	30.59	-143.92	1,220.65	338.01	3,127.79	3,071.97	55.82	56.029		
7,800.00	7,541.59	7,150.50	7,063.07	43.09	30.79	-130.96	1,227.58	340.31	3,147.93	3,091.73	56.21	56.008		
7,850.00	7,587.55	7,205.33	7,106.64	43.39	31.03	-121.20	1,234.39	342.56	3,167.74	3,111.11	56.63	55.941		
7,900.00	7,632.06	7,237.66	7,149.07	43.70	31.17	-113.75	1,241.02	344.76	3,187.12	3,130.16	56.96	55.949		
7,950.00	7,674.78	7,279.16	7,190.02	44.01	31.36	-107.91	1,247.41	346.88	3,205.99	3,148.65	57.34	55.912		
8,000.00	7,715.39	7,318.86	7,229.19	44.33	31.53	-103.23	1,253.53	348.91	3,224.27	3,166.56	57.71	55.869		
8,050.00	7,753.58	7,356.44	7,266.27	44.64	31.70	-99.39	1,259.32	350.83	3,241.91	3,183.83	58.08	55.818		
8,100.00	7,789.06	7,391.62	7,300.98	44.95	31.86	-96.20	1,264.74	352.62	3,258.87	3,200.42	58.45	55.757		
8,150.00	7,821.55	7,424.13	7,333.07	45.26	32.00	-93.50	1,269.75	354.29	3,275.11	3,216.29	58.82	55.684		
8,200.00	7,850.82	7,481.26	7,389.24	45.57	32.26	-91.57	1,278.49	359.69	3,290.48	3,231.08	59.40	55.396		
8,250.00	7,876.63	7,552.84	7,458.43	45.89	32.60	-90.17	1,289.14	374.39	3,304.72	3,244.57	60.15	54.943		
8,300.00	7,898.79	7,641.52	7,540.81	46.21	33.04	-89.28	1,301.65	404.50	3,317.61	3,256.50	61.11	54.290		
8,350.00	7,917.13	7,755.70	7,638.44	46.53	33.64	-88.88	1,316.17	461.51	3,328.84	3,266.46	62.38	53.361		
8,400.00	7,931.52	7,905.87	7,746.44	46.86	34.49	-88.90	1,331.67	564.06	3,337.94	3,273.77	64.17	52.018		
8,450.00	7,941.84	8,097.40	7,840.07	47.20	35.80	-89.02	1,344.03	729.66	3,344.21	3,277.43	66.78	50.078		
8,500.00	7,948.02	8,500.00	7,874.32	47.54	39.93	-88.77	1,346.84	911.99	3,346.96	3,274.36	72.60	46.099		
8,548.56	7,950.00	8,351.48	7,875.00	47.88	38.23	-88.63	1,345.99	979.62	3,347.45	3,276.06	71.40	46.884		
8,600.00	7,950.00	8,402.93	7,875.00	48.26	38.83	-88.63	1,345.27	1,031.06	3,347.32	3,274.53	72.79	45.988		
8,700.00	7,950.00	8,502.93	7,875.00	49.08	40.12	-88.63	1,343.86	1,131.05	3,347.05	3,271.31	75.74	44.192		
8,800.00	7,950.00	8,602.93	7,875.00	50.02	41.56	-88.63	1,342.45	1,231.04	3,346.79	3,267.84	78.95	42.392		
8,900.00	7,950.00	8,702.93	7,875.00	51.07	43.13	-88.63	1,341.04	1,331.03	3,346.52	3,264.14	82.38	40.621		
9,000.00	7,950.00	8,802.93	7,875.00	52.25	44.82	-88.63	1,339.63	1,431.02	3,346.25	3,260.23	86.02	38.900		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - PROSPER FARMS 4-65 14-13 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		
9,100.00	7,950.00	8,902.92	7,875.00	53.55	46.62	-88.63	1,338.23	1,531.01	3,345.99	3,256.15	89.83	37.246		
9,200.00	7,950.00	9,002.92	7,875.00	54.97	48.50	-88.63	1,336.82	1,631.00	3,345.72	3,251.92	93.80	35.668		
9,300.00	7,950.00	9,102.92	7,875.00	56.50	50.47	-88.63	1,335.41	1,730.99	3,345.46	3,247.55	97.91	34.170		
9,400.00	7,950.00	9,202.92	7,875.00	58.13	52.51	-88.63	1,334.00	1,830.98	3,345.19	3,243.06	102.13	32.754		
9,500.00	7,950.00	9,302.92	7,875.00	59.85	54.60	-88.63	1,332.59	1,930.97	3,344.93	3,238.47	106.46	31.420		
9,600.00	7,950.00	9,402.92	7,875.00	61.66	56.75	-88.63	1,331.19	2,030.96	3,344.66	3,233.78	110.88	30.165		
9,700.00	7,950.00	9,502.92	7,875.00	63.55	58.95	-88.63	1,329.78	2,130.95	3,344.39	3,229.01	115.38	28.986		
9,800.00	7,950.00	9,602.92	7,875.00	65.51	61.19	-88.63	1,328.37	2,230.94	3,344.13	3,224.17	119.96	27.877		
9,900.00	7,950.00	9,702.92	7,875.00	67.52	63.47	-88.63	1,326.96	2,330.93	3,343.86	3,219.26	124.60	26.837		
10,000.00	7,950.00	9,802.92	7,875.00	69.60	65.78	-88.63	1,325.55	2,430.91	3,343.60	3,214.30	129.30	25.859		
10,100.00	7,950.00	9,902.92	7,875.00	71.72	68.12	-88.63	1,324.14	2,530.90	3,343.33	3,209.28	134.05	24.941		
10,200.00	7,950.00	10,002.92	7,875.00	73.89	70.49	-88.63	1,322.74	2,630.89	3,343.07	3,204.22	138.85	24.077		
10,300.00	7,950.00	10,102.92	7,875.00	76.09	72.88	-88.63	1,321.33	2,730.88	3,342.80	3,199.11	143.69	23.264		
10,400.00	7,950.00	10,202.92	7,875.00	78.34	75.29	-88.63	1,319.92	2,830.87	3,342.53	3,193.97	148.57	22.499		
10,500.00	7,950.00	10,302.92	7,875.00	80.61	77.72	-88.63	1,318.51	2,930.86	3,342.27	3,188.79	153.48	21.777		
10,600.00	7,950.00	10,402.92	7,875.00	82.91	80.17	-88.62	1,317.10	3,030.85	3,342.00	3,183.58	158.42	21.096		
10,700.00	7,950.00	10,502.92	7,875.00	85.24	82.63	-88.62	1,315.70	3,130.84	3,341.74	3,178.35	163.39	20.452		
10,800.00	7,950.00	10,602.92	7,875.00	87.60	85.11	-88.62	1,314.29	3,230.83	3,341.47	3,173.08	168.39	19.844		
10,900.00	7,950.00	10,702.92	7,875.00	89.97	87.60	-88.62	1,312.88	3,330.82	3,341.21	3,167.80	173.41	19.268		
11,000.00	7,950.00	10,802.92	7,875.00	92.37	90.11	-88.62	1,311.47	3,430.81	3,340.94	3,162.49	178.45	18.722		
11,100.00	7,950.00	10,902.92	7,875.00	94.78	92.62	-88.62	1,310.06	3,530.80	3,340.68	3,157.17	183.51	18.204		
11,200.00	7,950.00	11,002.92	7,875.00	97.21	95.15	-88.62	1,308.66	3,630.79	3,340.41	3,151.82	188.59	17.713		
11,300.00	7,950.00	11,102.92	7,875.00	99.65	97.68	-88.62	1,307.25	3,730.78	3,340.14	3,146.46	193.69	17.245		
11,400.00	7,950.00	11,202.92	7,875.00	102.11	100.22	-88.62	1,305.84	3,830.77	3,339.88	3,141.08	198.80	16.800		
11,500.00	7,950.00	11,302.92	7,875.00	104.58	102.77	-88.62	1,304.43	3,930.76	3,339.61	3,135.69	203.92	16.377		
11,600.00	7,950.00	11,402.92	7,875.00	107.07	105.33	-88.62	1,303.02	4,030.75	3,339.35	3,130.28	209.06	15.973		
11,700.00	7,950.00	11,502.92	7,875.00	109.56	107.90	-88.62	1,301.62	4,130.74	3,339.08	3,124.87	214.21	15.588		
11,800.00	7,950.00	11,602.92	7,875.00	112.07	110.47	-88.62	1,300.21	4,230.73	3,338.82	3,119.44	219.38	15.220		
11,900.00	7,950.00	11,702.92	7,875.00	114.58	113.05	-88.62	1,298.80	4,330.72	3,338.55	3,114.00	224.55	14.868		
12,000.00	7,950.00	11,802.91	7,875.00	117.10	115.63	-88.62	1,297.39	4,430.71	3,338.28	3,108.55	229.73	14.531		
12,100.00	7,950.00	11,902.91	7,875.00	119.63	118.22	-88.62	1,295.98	4,530.70	3,338.02	3,103.09	234.93	14.209		
12,200.00	7,950.00	12,002.91	7,875.00	122.17	120.81	-88.62	1,294.57	4,630.69	3,337.75	3,097.63	240.13	13.900		
12,300.00	7,950.00	12,102.91	7,875.00	124.72	123.40	-88.62	1,293.17	4,730.68	3,337.49	3,092.15	245.34	13.604		
12,400.00	7,950.00	12,202.91	7,875.00	127.27	126.01	-88.62	1,291.76	4,830.67	3,337.22	3,086.67	250.55	13.319		
12,500.00	7,950.00	12,302.91	7,875.00	129.82	128.61	-88.62	1,290.35	4,930.66	3,336.96	3,081.18	255.78	13.046		
12,600.00	7,950.00	12,402.91	7,875.00	132.39	131.22	-88.62	1,288.94	5,030.65	3,336.69	3,075.68	261.01	12.784		
12,700.00	7,950.00	12,502.91	7,875.00	134.96	133.83	-88.62	1,287.53	5,130.64	3,336.42	3,070.18	266.24	12.531		
12,800.00	7,950.00	12,602.91	7,875.00	137.53	136.45	-88.62	1,286.13	5,230.63	3,336.16	3,064.67	271.49	12.288		
12,900.00	7,950.00	12,702.91	7,875.00	140.11	139.07	-88.62	1,284.72	5,330.62	3,335.89	3,059.16	276.73	12.054		
13,000.00	7,950.00	12,802.91	7,875.00	142.69	141.69	-88.62	1,283.31	5,430.61	3,335.63	3,053.64	281.99	11.829		
13,100.00	7,950.00	12,902.91	7,875.00	145.28	144.31	-88.62	1,281.90	5,530.60	3,335.36	3,048.11	287.25	11.611		
13,200.00	7,950.00	13,002.91	7,875.00	147.87	146.94	-88.62	1,280.49	5,630.59	3,335.10	3,042.58	292.51	11.402		
13,300.00	7,950.00	13,102.91	7,875.00	150.47	149.57	-88.62	1,279.09	5,730.58	3,334.83	3,037.05	297.78	11.199		
13,400.00	7,950.00	13,202.91	7,875.00	153.07	152.20	-88.62	1,277.68	5,830.57	3,334.56	3,031.51	303.05	11.003		
13,500.00	7,950.00	13,302.91	7,875.00	155.67	154.83	-88.62	1,276.27	5,930.56	3,334.30	3,025.97	308.33	10.814		
13,600.00	7,950.00	13,402.91	7,875.00	158.28	157.47	-88.62	1,274.86	6,030.55	3,334.03	3,020.43	313.61	10.631		
13,700.00	7,950.00	13,502.91	7,875.00	160.88	160.11	-88.62	1,273.45	6,130.53	3,333.77	3,014.88	318.89	10.454		
13,800.00	7,950.00	13,602.91	7,875.00	163.50	162.75	-88.62	1,272.05	6,230.52	3,333.50	3,009.32	324.18	10.283		
13,900.00	7,950.00	13,702.91	7,875.00	166.11	165.39	-88.62	1,270.64	6,330.51	3,333.24	3,003.77	329.47	10.117		
14,000.00	7,950.00	13,802.91	7,875.00	168.73	168.03	-88.62	1,269.23	6,430.50	3,332.97	2,998.21	334.76	9.956		
14,100.00	7,950.00	13,902.91	7,875.00	171.35	170.68	-88.62	1,267.82	6,530.49	3,332.70	2,992.65	340.06	9.800		
14,200.00	7,950.00	14,002.91	7,875.00	173.97	173.32	-88.62	1,266.41	6,630.48	3,332.44	2,987.08	345.36	9.649		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - PROSPER FARMS 4-65 14-13 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		
14,300.00	7,950.00	14,102.91	7,875.00	176.59	175.97	-88.62	1,265.00	6,730.47	3,332.17	2,981.51	350.66	9.503		
14,400.00	7,950.00	14,202.91	7,875.00	179.22	178.62	-88.62	1,263.60	6,830.46	3,331.91	2,975.94	355.97	9.360		
14,500.00	7,950.00	14,302.91	7,875.00	181.85	181.27	-88.62	1,262.19	6,930.45	3,331.64	2,970.37	361.27	9.222		
14,600.00	7,950.00	14,402.91	7,875.00	184.48	183.92	-88.62	1,260.78	7,030.44	3,331.38	2,964.79	366.58	9.088		
14,700.00	7,950.00	14,502.91	7,875.00	187.11	186.58	-88.62	1,259.37	7,130.43	3,331.11	2,959.22	371.89	8.957		
14,800.00	7,950.00	14,602.90	7,875.00	189.75	189.23	-88.62	1,257.96	7,230.42	3,330.85	2,953.64	377.21	8.830		
14,900.00	7,950.00	14,702.90	7,875.00	192.38	191.89	-88.62	1,256.56	7,330.41	3,330.58	2,948.06	382.52	8.707		
15,000.00	7,950.00	14,802.90	7,875.00	195.02	194.54	-88.62	1,255.15	7,430.40	3,330.31	2,942.47	387.84	8.587		
15,100.00	7,950.00	14,902.90	7,875.00	197.66	197.20	-88.62	1,253.74	7,530.39	3,330.05	2,936.89	393.16	8.470		
15,200.00	7,950.00	15,002.90	7,875.00	200.30	199.86	-88.62	1,252.33	7,630.38	3,329.78	2,931.30	398.48	8.356		
15,300.00	7,950.00	15,102.90	7,875.00	202.94	202.52	-88.62	1,250.92	7,730.37	3,329.52	2,925.71	403.81	8.245		
15,400.00	7,950.00	15,202.90	7,875.00	205.59	205.18	-88.62	1,249.52	7,830.36	3,329.25	2,920.12	409.13	8.137		
15,500.00	7,950.00	15,302.90	7,875.00	208.23	207.84	-88.62	1,248.11	7,930.35	3,328.99	2,914.53	414.46	8.032		
15,600.00	7,950.00	15,402.90	7,875.00	210.88	210.50	-88.62	1,246.70	8,030.34	3,328.72	2,908.93	419.79	7.930		
15,700.00	7,950.00	15,502.90	7,875.00	213.52	213.17	-88.62	1,245.29	8,130.33	3,328.45	2,903.34	425.12	7.829		
15,800.00	7,950.00	15,602.90	7,875.00	216.17	215.83	-88.62	1,243.88	8,230.32	3,328.19	2,897.74	430.45	7.732		
15,900.00	7,950.00	15,702.90	7,875.00	218.82	218.50	-88.62	1,242.47	8,330.31	3,327.92	2,892.14	435.78	7.637		
16,000.00	7,950.00	15,802.90	7,875.00	221.47	221.16	-88.62	1,241.07	8,430.30	3,327.66	2,886.54	441.12	7.544		
16,100.00	7,950.00	15,902.90	7,875.00	224.13	223.83	-88.62	1,239.66	8,530.29	3,327.39	2,880.94	446.45	7.453		
16,200.00	7,950.00	16,002.90	7,875.00	226.78	226.50	-88.62	1,238.25	8,630.28	3,327.13	2,875.34	451.79	7.364		
16,300.00	7,950.00	16,102.90	7,875.00	229.43	229.16	-88.62	1,236.84	8,730.27	3,326.86	2,869.73	457.13	7.278		
16,400.00	7,950.00	16,202.90	7,875.00	232.09	231.83	-88.62	1,235.43	8,830.26	3,326.59	2,864.13	462.47	7.193		
16,500.00	7,950.00	16,302.90	7,875.00	234.75	234.50	-88.62	1,234.03	8,930.25	3,326.33	2,858.52	467.81	7.110		
16,600.00	7,950.00	16,402.90	7,875.00	237.40	237.17	-88.62	1,232.62	9,030.24	3,326.06	2,852.91	473.15	7.030		
16,700.00	7,950.00	16,502.90	7,875.00	240.06	239.84	-88.62	1,231.21	9,130.23	3,325.80	2,847.31	478.49	6.951		
16,800.00	7,950.00	16,602.90	7,875.00	242.72	242.51	-88.62	1,229.80	9,230.22	3,325.53	2,841.70	483.84	6.873		
16,900.00	7,950.00	16,702.90	7,875.00	245.38	245.18	-88.62	1,228.39	9,330.21	3,325.27	2,836.09	489.18	6.798		
17,000.00	7,950.00	16,802.90	7,875.00	248.04	247.85	-88.62	1,226.99	9,430.20	3,325.00	2,830.47	494.53	6.724		
17,100.00	7,950.00	16,902.90	7,875.00	250.70	250.53	-88.62	1,225.58	9,530.19	3,324.73	2,824.86	499.87	6.651		
17,200.00	7,950.00	17,002.90	7,875.00	253.36	253.20	-88.62	1,224.17	9,630.18	3,324.47	2,819.25	505.22	6.580		
17,300.00	7,950.00	17,102.90	7,875.00	256.02	255.87	-88.62	1,222.76	9,730.17	3,324.20	2,813.64	510.57	6.511		
17,400.00	7,950.00	17,202.90	7,875.00	258.69	258.55	-88.62	1,221.35	9,830.16	3,323.94	2,808.02	515.92	6.443		
17,500.00	7,950.00	17,302.90	7,875.00	261.35	261.22	-88.62	1,219.95	9,930.14	3,323.67	2,802.41	521.27	6.376		
17,600.00	7,950.00	17,402.90	7,875.00	264.01	263.89	-88.62	1,218.54	10,030.13	3,323.41	2,796.79	526.62	6.311		
17,700.00	7,950.00	17,502.89	7,875.00	266.68	266.57	-88.62	1,217.13	10,130.12	3,323.14	2,791.17	531.97	6.247		
17,800.00	7,950.00	17,602.89	7,875.00	269.34	269.25	-88.62	1,215.72	10,230.11	3,322.87	2,785.55	537.32	6.184		
17,900.00	7,950.00	17,702.89	7,875.00	272.01	271.92	-88.62	1,214.31	10,330.10	3,322.61	2,779.94	542.67	6.123		
18,000.00	7,950.00	17,802.89	7,875.00	274.68	274.60	-88.62	1,212.90	10,430.09	3,322.34	2,774.32	548.03	6.062		
18,100.00	7,950.00	17,902.89	7,875.00	277.34	277.27	-88.62	1,211.50	10,530.08	3,322.08	2,768.70	553.38	6.003		
18,200.00	7,950.00	18,002.89	7,875.00	280.01	279.95	-88.62	1,210.09	10,630.07	3,321.81	2,763.08	558.74	5.945		
18,300.00	7,950.00	18,102.89	7,875.00	282.68	282.63	-88.62	1,208.68	10,730.06	3,321.55	2,757.45	564.09	5.888		
18,400.00	7,950.00	18,202.89	7,875.00	285.35	285.31	-88.62	1,207.27	10,830.05	3,321.28	2,751.83	569.45	5.832		
18,432.26	7,950.00	18,226.33	7,875.00	286.21	285.93	-88.62	1,206.94	10,853.49	3,321.21	2,750.29	570.91	5.817		
18,456.97	7,950.00	18,226.33	7,875.00	286.87	285.93	-88.62	1,206.94	10,853.49	3,321.30	2,749.82	571.48	5.812 SF		

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - PROSPER FARMS 4-65 14-13 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	4.30	4.30	0.00	0.01	-0.11	150.08	-0.28	150.08					
100.00	100.00	104.30	104.30	0.13	0.15	-0.11	150.08	-0.28	150.08	149.79	0.28	527.947		
200.00	200.00	204.30	204.30	0.49	0.51	-0.11	150.08	-0.28	150.08	149.08	1.00	149.897		
250.00	250.00	254.30	254.30	0.67	0.69	-0.11	150.08	-0.28	150.08	148.72	1.36	110.378 CC, ES		
300.00	300.00	302.26	302.26	0.84	0.86	-168.95	150.43	0.04	150.87	149.17	1.70	88.570		
400.00	399.93	398.23	398.16	1.18	1.20	-168.33	152.92	2.29	156.90	154.50	2.39	65.527		
500.00	499.68	505.38	494.34	1.54	1.60	-167.28	157.71	6.63	168.74	165.60	3.14	53.692		
600.00	599.13	606.68	592.75	1.91	1.97	-166.41	163.21	11.61	184.63	180.76	3.87	47.674		
700.00	698.15	708.57	690.59	2.31	2.34	-165.88	168.68	16.56	203.87	199.26	4.61	44.223		
800.00	796.63	788.85	787.73	2.74	2.64	-165.64	174.11	21.47	226.44	221.16	5.27	42.941		
900.00	894.44	885.45	884.05	3.20	3.01	-165.60	179.49	26.35	252.28	246.28	6.00	42.038		
1,000.00	991.46	981.11	979.44	3.70	3.36	-165.72	184.83	31.17	281.38	274.65	6.73	41.807		
1,026.71	1,017.23	1,006.49	1,004.75	3.84	3.46	-165.76	186.24	32.45	289.70	282.77	6.93	41.797		
1,100.00	1,087.84	1,076.01	1,074.08	4.23	3.72	-166.01	190.12	35.96	312.84	305.38	7.46	41.945		
1,200.00	1,184.19	1,170.88	1,168.68	4.78	4.08	-166.28	195.41	40.75	344.43	336.25	8.18	42.109		
1,300.00	1,280.54	1,265.75	1,263.28	5.33	4.43	-166.51	200.69	45.54	376.02	367.11	8.90	42.227		
1,400.00	1,376.88	1,360.62	1,357.88	5.89	4.79	-166.71	205.98	50.32	407.62	397.98	9.63	42.314		
1,500.00	1,473.23	1,455.49	1,452.48	6.45	5.15	-166.87	211.27	55.11	439.22	428.85	10.36	42.379		
1,600.00	1,569.58	1,550.36	1,547.08	7.02	5.51	-167.02	216.56	59.90	470.82	459.72	11.10	42.429		
1,700.00	1,665.92	1,645.23	1,641.68	7.59	5.86	-167.14	221.85	64.69	502.43	490.60	11.83	42.467		
1,800.00	1,762.27	1,740.09	1,738.28	8.16	6.22	-167.26	227.14	69.47	534.03	521.47	12.57	42.496		
1,900.00	1,858.62	1,834.96	1,830.88	8.73	6.58	-167.35	232.42	74.26	565.64	552.34	13.30	42.519		
2,000.00	1,954.97	1,929.83	1,925.48	9.31	6.93	-167.44	237.71	79.05	597.26	583.21	14.04	42.536		
2,100.00	2,051.31	2,024.70	2,020.08	9.88	7.29	-167.52	243.00	83.83	628.87	614.09	14.78	42.550		
2,200.00	2,147.66	2,119.57	2,114.68	10.46	7.65	-167.59	248.29	88.62	660.48	644.96	15.52	42.561		
2,300.00	2,244.01	2,214.44	2,209.28	11.04	8.01	-167.66	253.58	93.41	692.09	675.84	16.26	42.569		
2,400.00	2,340.35	2,309.30	2,303.88	11.62	8.37	-167.72	258.87	98.20	723.71	706.71	17.00	42.575		
2,500.00	2,436.70	2,404.17	2,398.48	12.19	8.72	-167.77	264.16	102.98	755.32	737.58	17.74	42.580		
2,600.00	2,533.05	2,500.96	2,493.08	12.77	9.09	-167.82	269.44	107.77	786.94	768.45	18.49	42.587		
2,700.00	2,629.39	2,606.09	2,587.68	13.35	9.48	-167.87	274.73	112.56	818.56	799.29	19.27	42.486		
2,800.00	2,725.74	2,688.78	2,682.28	13.93	9.80	-167.91	280.02	117.34	850.17	830.21	19.96	42.587		
2,900.00	2,822.09	2,783.65	2,776.88	14.51	10.15	-167.95	285.31	122.13	881.79	861.08	20.71	42.587		
3,000.00	2,918.44	2,878.52	2,871.48	15.09	10.51	-167.99	290.60	126.92	913.41	891.96	21.45	42.588		
3,100.00	3,014.78	2,973.38	2,966.08	15.67	10.87	-168.02	295.89	131.71	945.03	922.83	22.19	42.587		
3,200.00	3,111.13	3,068.25	3,060.68	16.25	11.23	-168.06	301.17	136.49	976.64	953.71	22.93	42.587		
3,300.00	3,207.48	3,163.12	3,155.28	16.84	11.59	-168.09	306.46	141.28	1,008.26	984.59	23.68	42.586		
3,400.00	3,303.82	3,257.99	3,249.88	17.42	11.94	-168.11	311.75	146.07	1,039.88	1,015.46	24.42	42.584		
3,500.00	3,400.17	3,352.86	3,344.48	18.00	12.30	-168.14	317.04	150.85	1,071.50	1,046.34	25.16	42.583		
3,600.00	3,496.52	3,447.73	3,439.08	18.58	12.66	-168.17	322.33	155.64	1,103.12	1,077.21	25.91	42.581		
3,700.00	3,592.87	3,542.60	3,533.68	19.16	13.02	-168.19	327.62	160.43	1,134.74	1,108.09	26.65	42.579		
3,800.00	3,689.21	3,637.46	3,628.28	19.74	13.38	-168.21	332.90	165.22	1,166.36	1,138.96	27.39	42.577		
3,900.00	3,785.56	3,732.33	3,722.88	20.33	13.73	-168.23	338.19	170.00	1,197.98	1,169.84	28.14	42.575		
4,000.00	3,881.91	3,827.20	3,817.48	20.91	14.09	-168.25	343.48	174.79	1,229.60	1,200.71	28.88	42.573		
4,100.00	3,978.25	3,922.07	3,912.08	21.49	14.45	-168.27	348.77	179.58	1,261.22	1,231.59	29.63	42.570		
4,200.00	4,074.60	4,016.94	4,006.68	22.07	14.81	-168.29	354.06	184.36	1,292.84	1,262.46	30.37	42.568		
4,300.00	4,170.95	4,111.81	4,101.28	22.65	15.16	-168.31	359.35	189.15	1,324.46	1,293.34	31.12	42.565		
4,400.00	4,267.29	4,206.67	4,195.88	23.24	15.52	-168.33	364.64	193.94	1,356.08	1,324.22	31.86	42.563		
4,500.00	4,363.64	4,301.54	4,290.48	23.82	15.88	-168.34	369.92	198.73	1,387.70	1,355.09	32.61	42.560		
4,600.00	4,459.99	4,403.59	4,385.08	24.40	16.27	-168.36	375.21	203.51	1,419.32	1,385.94	33.38	42.523		
4,700.00	4,556.34	4,508.72	4,479.68	24.98	16.66	-168.37	380.50	208.30	1,450.94	1,416.78	34.16	42.474		
4,800.00	4,652.68	4,586.15	4,574.28	25.57	16.95	-168.39	385.79	213.09	1,482.56	1,447.72	34.84	42.552		
4,900.00	4,749.03	4,681.02	4,668.88	26.15	17.31	-168.40	391.08	217.87	1,514.18	1,478.59	35.59	42.549		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - PROSPER FARMS 4-65 14-13 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	
5,000.00	4,845.38	4,775.89	4,763.48	26.73	17.67	-168.41	396.37	222.66	1,545.80	1,509.47	36.33	42.546	
5,100.00	4,941.72	4,870.75	4,858.08	27.32	18.03	-168.42	401.65	227.45	1,577.42	1,540.34	37.08	42.543	
5,200.00	5,038.07	4,965.62	4,952.68	27.90	18.39	-168.44	406.94	232.24	1,609.04	1,571.22	37.82	42.540	
5,300.00	5,134.42	5,060.49	5,047.28	28.48	18.74	-168.45	412.23	237.02	1,640.66	1,602.09	38.57	42.537	
5,400.00	5,230.76	5,155.36	5,141.88	29.06	19.10	-168.46	417.52	241.81	1,672.28	1,632.97	39.32	42.534	
5,500.00	5,327.11	5,250.23	5,236.48	29.65	19.46	-168.47	422.81	246.60	1,703.90	1,663.84	40.06	42.531	
5,600.00	5,423.46	5,345.10	5,331.08	30.23	19.82	-168.48	428.10	251.38	1,735.52	1,694.72	40.81	42.529	
5,700.00	5,519.81	5,439.96	5,425.68	30.81	20.18	-168.49	433.38	256.17	1,767.14	1,725.59	41.55	42.526	
5,800.00	5,616.15	5,534.83	5,520.28	31.40	20.53	-168.50	438.67	260.96	1,798.77	1,756.46	42.30	42.523	
5,900.00	5,712.50	5,629.70	5,614.88	31.98	20.89	-168.51	443.96	265.75	1,830.39	1,787.34	43.05	42.520	
6,000.00	5,808.85	5,724.57	5,709.48	32.56	21.25	-168.51	449.25	270.53	1,862.01	1,818.21	43.79	42.516	
6,100.00	5,905.19	5,819.44	5,804.08	33.15	21.61	-168.52	454.54	275.32	1,893.63	1,849.09	44.54	42.513	
6,200.00	6,001.54	5,914.31	5,898.68	33.73	21.97	-168.53	459.83	280.11	1,925.25	1,879.96	45.29	42.510	
6,300.00	6,097.89	6,009.18	5,993.28	34.31	22.32	-168.54	465.12	284.89	1,956.87	1,910.84	46.04	42.507	
6,400.00	6,194.24	6,104.04	6,087.88	34.90	22.68	-168.55	470.40	289.68	1,988.49	1,941.71	46.78	42.504	
6,500.00	6,290.58	6,198.91	6,182.48	35.48	23.04	-168.55	475.69	294.47	2,020.11	1,972.58	47.53	42.501	
6,600.00	6,386.93	6,306.22	6,277.08	36.06	23.44	-168.56	480.98	299.26	2,051.74	2,003.41	48.28	42.498	
6,700.00	6,483.28	6,388.65	6,371.68	36.65	23.76	-168.57	486.27	304.04	2,083.36	2,034.33	49.03	42.495	
6,800.00	6,579.62	6,483.52	6,466.28	37.23	24.11	-168.58	491.56	308.83	2,114.98	2,065.20	49.77	42.492	
6,900.00	6,675.97	6,578.39	6,560.88	37.81	24.47	-168.58	496.85	313.62	2,146.60	2,096.08	50.52	42.489	
7,000.00	6,772.32	6,673.26	6,655.48	38.40	24.83	-168.59	502.13	318.40	2,178.22	2,126.95	51.27	42.485	
7,100.00	6,868.66	6,768.12	6,750.08	38.98	25.19	-168.59	507.42	323.19	2,209.84	2,157.82	52.02	42.482	
7,200.00	6,965.01	6,862.99	6,844.68	39.56	25.55	-168.60	512.71	327.98	2,241.46	2,188.70	52.77	42.479	
7,300.00	7,061.36	6,957.86	6,939.28	40.15	25.90	-168.61	518.00	332.77	2,273.09	2,219.57	53.51	42.476	
7,400.00	7,157.71	7,052.73	7,033.88	40.73	26.26	-168.61	523.29	337.55	2,304.71	2,250.44	54.26	42.473	
7,500.00	7,254.05	7,147.60	7,128.48	41.31	26.62	-168.62	528.58	342.34	2,336.33	2,281.32	55.01	42.469	
7,600.00	7,350.40	7,242.47	7,223.08	41.90	26.98	-168.62	533.86	347.13	2,367.95	2,312.19	55.76	42.466	
7,679.74	7,427.23	7,318.12	7,298.51	42.36	27.26	-168.63	538.08	350.94	2,393.17	2,336.81	56.36	42.463	
7,700.00	7,446.72	7,337.33	7,317.67	42.48	27.34	-161.03	539.15	351.91	2,399.57	2,343.06	56.51	42.462	
7,750.00	7,494.53	7,384.59	7,364.80	42.78	27.51	-144.80	541.79	354.30	2,415.33	2,358.44	56.89	42.457	
7,800.00	7,541.59	7,431.92	7,411.99	43.09	27.69	-132.45	544.43	356.71	2,430.93	2,373.66	57.27	42.446	
7,850.00	7,587.55	7,484.26	7,463.95	43.39	27.90	-123.26	547.29	362.25	2,446.25	2,388.54	57.71	42.391	
7,900.00	7,632.06	7,537.89	7,516.42	43.70	28.13	-116.30	550.11	372.82	2,461.11	2,402.93	58.18	42.305	
7,950.00	7,674.78	7,592.89	7,568.98	44.01	28.38	-110.91	552.86	388.71	2,475.41	2,416.73	58.68	42.182	
8,000.00	7,715.39	7,649.37	7,621.12	44.33	28.65	-106.61	555.51	410.20	2,489.03	2,429.80	59.24	42.019	
8,050.00	7,753.58	7,707.38	7,672.22	44.64	28.94	-103.14	558.02	437.52	2,501.86	2,442.02	59.84	41.809	
8,100.00	7,789.06	7,766.97	7,721.55	44.95	29.27	-100.28	560.34	470.80	2,513.79	2,453.29	60.51	41.546	
8,150.00	7,821.55	7,828.12	7,768.31	45.26	29.64	-97.91	562.44	510.10	2,524.72	2,463.48	61.25	41.222	
8,200.00	7,850.82	7,890.75	7,811.60	45.57	30.06	-95.94	564.25	555.28	2,534.56	2,472.48	62.08	40.830	
8,250.00	7,876.63	7,954.74	7,850.48	45.89	30.53	-94.31	565.74	606.05	2,543.20	2,480.19	63.01	40.361	
8,300.00	7,898.79	8,019.88	7,884.01	46.21	31.08	-92.98	566.85	661.85	2,550.58	2,486.51	64.07	39.809	
8,350.00	7,917.13	8,085.92	7,911.33	46.53	31.71	-91.90	567.55	721.93	2,556.62	2,491.37	65.25	39.180	
8,400.00	7,931.52	8,152.53	7,931.71	46.86	32.42	-91.06	567.81	785.30	2,561.28	2,494.72	66.56	38.482	
8,450.00	7,941.84	8,219.35	7,944.65	47.20	33.20	-90.45	567.62	850.82	2,564.50	2,496.52	67.99	37.722	
8,500.00	7,948.02	8,286.00	7,949.88	47.54	34.04	-90.04	566.98	917.22	2,566.27	2,496.78	69.50	36.926	
8,548.56	7,950.00	8,337.44	7,950.00	47.88	34.74	-89.90	566.26	968.66	2,566.69	2,495.87	70.83	36.239	
8,600.00	7,950.00	8,388.88	7,950.00	48.26	35.46	-89.90	565.54	1,020.09	2,566.56	2,494.33	72.23	35.533	
8,700.00	7,950.00	8,488.88	7,950.00	49.08	36.98	-89.90	564.13	1,120.08	2,566.29	2,491.09	75.20	34.127	
8,800.00	7,950.00	8,588.88	7,950.00	50.02	38.63	-89.90	562.72	1,220.07	2,566.02	2,487.60	78.42	32.720	
8,900.00	7,950.00	8,688.88	7,950.00	51.07	40.39	-89.90	561.31	1,320.06	2,565.76	2,483.88	81.88	31.337	
9,000.00	7,950.00	8,788.88	7,950.00	52.25	42.25	-89.90	559.90	1,420.05	2,565.49	2,479.96	85.53	29.995	
9,100.00	7,950.00	8,888.88	7,950.00	53.55	44.20	-89.90	558.50	1,520.04	2,565.22	2,475.86	89.36	28.706	

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - PROSPER FARMS 4-65 14-13 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		
9,200.00	7,950.00	8,988.88	7,950.00	54.97	46.22	-89.90	557.09	1,620.03	2,564.96	2,471.61	93.34	27.478		
9,300.00	7,950.00	9,088.88	7,950.00	56.50	48.31	-89.90	555.68	1,720.02	2,564.69	2,467.23	97.46	26.314		
9,400.00	7,950.00	9,188.88	7,950.00	58.13	50.46	-89.90	554.27	1,820.01	2,564.42	2,462.72	101.70	25.215		
9,500.00	7,950.00	9,288.88	7,950.00	59.85	52.66	-89.90	552.86	1,920.00	2,564.16	2,458.11	106.04	24.180		
9,600.00	7,950.00	9,388.88	7,950.00	61.66	54.90	-89.90	551.45	2,019.99	2,563.89	2,453.41	110.48	23.207		
9,700.00	7,950.00	9,488.88	7,950.00	63.55	57.18	-89.90	550.04	2,119.98	2,563.63	2,448.63	114.99	22.294		
9,800.00	7,950.00	9,588.88	7,950.00	65.51	59.50	-89.90	548.63	2,219.97	2,563.36	2,443.78	119.58	21.436		
9,900.00	7,950.00	9,688.88	7,950.00	67.52	61.85	-89.90	547.23	2,319.96	2,563.09	2,438.86	124.24	20.631		
10,000.00	7,950.00	9,788.88	7,950.00	69.60	64.22	-89.90	545.82	2,419.95	2,562.83	2,433.88	128.95	19.875		
10,100.00	7,950.00	9,888.88	7,950.00	71.72	66.62	-89.90	544.41	2,519.94	2,562.56	2,428.85	133.71	19.165		
10,200.00	7,950.00	9,988.88	7,950.00	73.89	69.05	-89.90	543.00	2,619.93	2,562.29	2,423.78	138.51	18.498		
10,300.00	7,950.00	10,088.88	7,950.00	76.09	71.49	-89.90	541.59	2,719.92	2,562.03	2,418.66	143.36	17.871		
10,400.00	7,950.00	10,188.88	7,950.00	78.34	73.95	-89.90	540.18	2,819.91	2,561.76	2,413.51	148.25	17.280		
10,500.00	7,950.00	10,288.88	7,950.00	80.61	76.42	-89.90	538.77	2,919.90	2,561.49	2,408.32	153.17	16.723		
10,600.00	7,950.00	10,388.88	7,950.00	82.91	78.91	-89.90	537.36	3,019.89	2,561.23	2,403.11	158.12	16.198		
10,700.00	7,950.00	10,488.88	7,950.00	85.24	81.41	-89.90	535.96	3,119.88	2,560.96	2,397.86	163.10	15.702		
10,800.00	7,950.00	10,588.88	7,950.00	87.60	83.93	-89.90	534.55	3,219.87	2,560.70	2,392.59	168.10	15.233		
10,900.00	7,950.00	10,688.88	7,950.00	89.97	86.45	-89.90	533.14	3,319.86	2,560.43	2,387.30	173.13	14.789		
11,000.00	7,950.00	10,788.87	7,950.00	92.37	88.99	-89.90	531.73	3,419.85	2,560.16	2,381.98	178.18	14.369		
11,100.00	7,950.00	10,888.87	7,950.00	94.78	91.53	-89.90	530.32	3,519.84	2,559.90	2,376.65	183.25	13.970		
11,200.00	7,950.00	10,988.87	7,950.00	97.21	94.08	-89.90	528.91	3,619.83	2,559.63	2,371.30	188.33	13.591		
11,300.00	7,950.00	11,088.87	7,950.00	99.65	96.64	-89.90	527.50	3,719.82	2,559.36	2,365.93	193.43	13.231		
11,400.00	7,950.00	11,188.87	7,950.00	102.11	99.21	-89.90	526.09	3,819.81	2,559.10	2,360.55	198.55	12.889		
11,500.00	7,950.00	11,288.87	7,950.00	104.58	101.79	-89.90	524.69	3,919.80	2,558.83	2,355.15	203.68	12.563		
11,600.00	7,950.00	11,388.87	7,950.00	107.07	104.37	-89.90	523.28	4,019.79	2,558.56	2,349.74	208.83	12.252		
11,700.00	7,950.00	11,488.87	7,950.00	109.56	106.95	-89.90	521.87	4,119.78	2,558.30	2,344.32	213.98	11.956		
11,800.00	7,950.00	11,588.87	7,950.00	112.07	109.54	-89.90	520.46	4,219.76	2,558.03	2,338.88	219.15	11.673		
11,900.00	7,950.00	11,688.87	7,950.00	114.58	112.14	-89.90	519.05	4,319.75	2,557.77	2,333.44	224.33	11.402		
12,000.00	7,950.00	11,788.87	7,950.00	117.10	114.74	-89.90	517.64	4,419.74	2,557.50	2,327.98	229.52	11.143		
12,100.00	7,950.00	11,888.87	7,950.00	119.63	117.35	-89.90	516.23	4,519.73	2,557.23	2,322.52	234.71	10.895		
12,200.00	7,950.00	11,988.87	7,950.00	122.17	119.96	-89.90	514.83	4,619.72	2,556.97	2,317.05	239.92	10.658		
12,300.00	7,950.00	12,088.87	7,950.00	124.72	122.57	-89.90	513.42	4,719.71	2,556.70	2,311.57	245.13	10.430		
12,400.00	7,950.00	12,188.87	7,950.00	127.27	125.19	-89.90	512.01	4,819.70	2,556.43	2,306.08	250.35	10.211		
12,500.00	7,950.00	12,288.87	7,950.00	129.82	127.80	-89.90	510.60	4,919.69	2,556.17	2,300.59	255.58	10.001		
12,600.00	7,950.00	12,388.87	7,950.00	132.39	130.43	-89.90	509.19	5,019.68	2,555.90	2,295.09	260.81	9.800		
12,700.00	7,950.00	12,488.87	7,950.00	134.96	133.05	-89.90	507.78	5,119.67	2,555.63	2,289.58	266.06	9.606		
12,800.00	7,950.00	12,588.87	7,950.00	137.53	135.68	-89.90	506.37	5,219.66	2,555.37	2,284.07	271.30	9.419		
12,900.00	7,950.00	12,688.87	7,950.00	140.11	138.31	-89.90	504.96	5,319.65	2,555.10	2,278.55	276.55	9.239		
13,000.00	7,950.00	12,788.87	7,950.00	142.69	140.95	-89.90	503.56	5,419.64	2,554.84	2,273.02	281.81	9.066		
13,100.00	7,950.00	12,888.87	7,950.00	145.28	143.58	-89.90	502.15	5,519.63	2,554.57	2,267.50	287.07	8.899		
13,200.00	7,950.00	12,988.87	7,950.00	147.87	146.22	-89.90	500.74	5,619.62	2,554.30	2,261.96	292.34	8.737		
13,300.00	7,950.00	13,088.87	7,950.00	150.47	148.86	-89.90	499.33	5,719.61	2,554.04	2,256.42	297.61	8.582		
13,400.00	7,950.00	13,188.87	7,950.00	153.07	151.50	-89.90	497.92	5,819.60	2,553.77	2,250.88	302.89	8.431		
13,500.00	7,950.00	13,288.87	7,950.00	155.67	154.14	-89.90	496.51	5,919.59	2,553.50	2,245.34	308.17	8.286		
13,600.00	7,950.00	13,388.87	7,950.00	158.28	156.79	-89.90	495.10	6,019.58	2,553.24	2,239.79	313.45	8.146		
13,700.00	7,950.00	13,488.87	7,950.00	160.88	159.44	-89.90	493.69	6,119.57	2,552.97	2,234.23	318.74	8.010		
13,800.00	7,950.00	13,588.87	7,950.00	163.50	162.09	-89.90	492.29	6,219.56	2,552.70	2,228.68	324.03	7.878		
13,900.00	7,950.00	13,688.86	7,950.00	166.11	164.74	-89.90	490.88	6,319.55	2,552.44	2,223.12	329.32	7.751		
14,000.00	7,950.00	13,788.86	7,950.00	168.73	167.39	-89.90	489.47	6,419.54	2,552.17	2,217.56	334.62	7.627		
14,100.00	7,950.00	13,888.86	7,950.00	171.35	170.04	-89.90	488.06	6,519.53	2,551.91	2,211.99	339.92	7.507		
14,200.00	7,950.00	13,988.86	7,950.00	173.97	172.70	-89.90	486.65	6,619.52	2,551.64	2,206.42	345.22	7.391		
14,300.00	7,950.00	14,088.86	7,950.00	176.59	175.35	-89.90	485.24	6,719.51	2,551.37	2,200.85	350.52	7.279		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - PROSPER FARMS 4-65 14-13 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		
14,400.00	7,950.00	14,188.86	7,950.00	179.22	178.01	-89.90	483.83	6,819.50	2,551.11	2,195.28	355.83	7.169		
14,500.00	7,950.00	14,288.86	7,950.00	181.85	180.67	-89.90	482.42	6,919.49	2,550.84	2,189.70	361.14	7.063		
14,600.00	7,950.00	14,388.86	7,950.00	184.48	183.32	-89.90	481.02	7,019.48	2,550.57	2,184.12	366.45	6.960		
14,700.00	7,950.00	14,488.86	7,950.00	187.11	185.98	-89.90	479.61	7,119.47	2,550.31	2,178.54	371.77	6.860		
14,800.00	7,950.00	14,588.86	7,950.00	189.75	188.65	-89.90	478.20	7,219.46	2,550.04	2,172.96	377.08	6.763		
14,900.00	7,950.00	14,688.86	7,950.00	192.38	191.31	-89.90	476.79	7,319.45	2,549.77	2,167.37	382.40	6.668		
15,000.00	7,950.00	14,788.86	7,950.00	195.02	193.97	-89.90	475.38	7,419.44	2,549.51	2,161.79	387.72	6.576		
15,100.00	7,950.00	14,888.86	7,950.00	197.66	196.63	-89.90	473.97	7,519.43	2,549.24	2,156.20	393.04	6.486		
15,200.00	7,950.00	14,988.86	7,950.00	200.30	199.30	-89.90	472.56	7,619.42	2,548.98	2,150.61	398.37	6.399		
15,300.00	7,950.00	15,088.86	7,950.00	202.94	201.96	-89.90	471.16	7,719.41	2,548.71	2,145.01	403.69	6.313		
15,400.00	7,950.00	15,188.86	7,950.00	205.59	204.63	-89.90	469.75	7,819.39	2,548.44	2,139.42	409.02	6.231		
15,500.00	7,950.00	15,288.86	7,950.00	208.23	207.30	-89.90	468.34	7,919.38	2,548.18	2,133.82	414.35	6.150		
15,600.00	7,950.00	15,388.86	7,950.00	210.88	209.97	-89.90	466.93	8,019.37	2,547.91	2,128.23	419.68	6.071		
15,700.00	7,950.00	15,488.86	7,950.00	213.52	212.63	-89.90	465.52	8,119.36	2,547.64	2,122.63	425.01	5.994		
15,800.00	7,950.00	15,588.86	7,950.00	216.17	215.30	-89.90	464.11	8,219.35	2,547.38	2,117.03	430.35	5.919		
15,900.00	7,950.00	15,688.86	7,950.00	218.82	217.97	-89.90	462.70	8,319.34	2,547.11	2,111.43	435.68	5.846		
16,000.00	7,950.00	15,788.86	7,950.00	221.47	220.64	-89.90	461.29	8,419.33	2,546.84	2,105.82	441.02	5.775		
16,100.00	7,950.00	15,888.86	7,950.00	224.13	223.31	-89.90	459.89	8,519.32	2,546.58	2,100.22	446.36	5.705		
16,200.00	7,950.00	15,988.86	7,950.00	226.78	225.98	-89.90	458.48	8,619.31	2,546.31	2,094.62	451.70	5.637		
16,300.00	7,950.00	16,088.86	7,950.00	229.43	228.66	-89.90	457.07	8,719.30	2,546.05	2,089.01	457.04	5.571		
16,400.00	7,950.00	16,188.86	7,950.00	232.09	231.33	-89.90	455.66	8,819.29	2,545.78	2,083.40	462.38	5.506		
16,500.00	7,950.00	16,288.86	7,950.00	234.75	234.00	-89.90	454.25	8,919.28	2,545.51	2,077.79	467.72	5.442		
16,600.00	7,950.00	16,388.86	7,950.00	237.40	236.68	-89.90	452.84	9,019.27	2,545.25	2,072.18	473.06	5.380		
16,700.00	7,950.00	16,488.85	7,950.00	240.06	239.35	-89.90	451.43	9,119.26	2,544.98	2,066.57	478.41	5.320		
16,800.00	7,950.00	16,588.85	7,950.00	242.72	242.02	-89.90	450.02	9,219.25	2,544.71	2,060.96	483.75	5.260		
16,900.00	7,950.00	16,688.85	7,950.00	245.38	244.70	-89.90	448.62	9,319.24	2,544.45	2,055.35	489.10	5.202		
17,000.00	7,950.00	16,788.85	7,950.00	248.04	247.38	-89.90	447.21	9,419.23	2,544.18	2,049.73	494.45	5.145		
17,100.00	7,950.00	16,888.85	7,950.00	250.70	250.05	-89.90	445.80	9,519.22	2,543.91	2,044.12	499.80	5.090		
17,200.00	7,950.00	16,988.85	7,950.00	253.36	252.73	-89.90	444.39	9,619.21	2,543.65	2,038.50	505.15	5.035		
17,300.00	7,950.00	17,088.85	7,950.00	256.02	255.40	-89.90	442.98	9,719.20	2,543.38	2,032.89	510.50	4.982		
17,400.00	7,950.00	17,188.85	7,950.00	258.69	258.08	-89.90	441.57	9,819.19	2,543.12	2,027.27	515.85	4.930		
17,500.00	7,950.00	17,288.85	7,950.00	261.35	260.76	-89.90	440.16	9,919.18	2,542.85	2,021.65	521.20	4.879		
17,600.00	7,950.00	17,388.85	7,950.00	264.01	263.44	-89.90	438.75	10,019.17	2,542.58	2,016.03	526.55	4.829		
17,700.00	7,950.00	17,488.85	7,950.00	266.68	266.11	-89.90	437.35	10,119.16	2,542.32	2,010.41	531.90	4.780		
17,800.00	7,950.00	17,588.85	7,950.00	269.34	268.79	-89.90	435.94	10,219.15	2,542.05	2,004.79	537.26	4.732		
17,900.00	7,950.00	17,688.85	7,950.00	272.01	271.47	-89.90	434.53	10,319.14	2,541.78	1,999.17	542.61	4.684		
18,000.00	7,950.00	17,788.85	7,950.00	274.68	274.15	-89.90	433.12	10,419.13	2,541.52	1,993.55	547.97	4.638		
18,100.00	7,950.00	17,888.85	7,950.00	277.34	276.83	-89.90	431.71	10,519.12	2,541.25	1,987.93	553.32	4.593		
18,200.00	7,950.00	17,988.85	7,950.00	280.01	279.51	-89.90	430.30	10,619.11	2,540.98	1,982.30	558.68	4.548		
18,300.00	7,950.00	18,088.85	7,950.00	282.68	282.19	-89.90	428.89	10,719.10	2,540.72	1,976.68	564.04	4.505		
18,400.00	7,950.00	18,188.85	7,950.00	285.35	284.87	-89.90	427.49	10,819.09	2,540.45	1,971.05	569.40	4.462		
18,438.13	7,950.00	18,220.21	7,950.00	286.37	285.71	-89.90	427.04	10,850.44	2,540.36	1,969.15	571.21	4.447		
18,456.97	7,950.00	18,220.21	7,950.00	286.87	285.71	-89.90	427.04	10,850.44	2,540.43	1,968.86	571.57	4.445 SF		

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - PROSPER FARMS 4-65 14-13 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	0.30	-0.30	0.00	0.00	0.00	100.17	0.00	100.17					
100.00	100.00	100.30	99.70	0.13	0.14	0.00	100.17	0.00	100.17	99.90	0.27	371.094		
200.00	200.00	200.30	199.70	0.49	0.49	0.00	100.17	0.00	100.17	99.18	0.99	101.502		
250.00	250.00	249.70	249.70	0.67	0.67	0.00	100.17	0.00	100.17	98.83	1.34	74.575 CC		
300.00	300.00	301.35	301.35	0.84	0.85	-168.88	99.75	0.18	100.19	98.50	1.69	59.221		
400.00	399.93	404.67	404.59	1.18	1.20	-168.44	96.33	1.64	100.31	97.93	2.38	42.119		
500.00	499.68	507.96	507.61	1.54	1.57	-167.56	89.50	4.56	100.56	97.47	3.09	32.531		
600.00	599.13	611.22	610.27	1.91	1.96	-166.26	79.26	8.94	100.98	97.17	3.81	26.487 ES		
700.00	698.15	711.56	709.76	2.31	2.36	-164.94	67.29	14.06	102.86	98.31	4.54	22.632		
800.00	796.63	811.41	808.76	2.74	2.76	-164.16	55.36	19.17	108.11	102.83	5.29	20.442		
900.00	894.44	911.03	907.54	3.20	3.17	-163.93	43.45	24.26	116.73	110.69	6.04	19.316		
1,000.00	991.46	1,010.31	1,005.97	3.70	3.58	-164.13	31.59	29.34	128.68	121.88	6.80	18.915		
1,026.71	1,017.23	1,036.75	1,032.19	3.84	3.69	-164.25	28.43	30.69	132.44	125.43	7.01	18.893		
1,100.00	1,087.84	1,109.26	1,104.08	4.23	3.99	-164.62	19.76	34.39	143.08	135.51	7.57	18.907		
1,200.00	1,184.19	1,208.19	1,202.18	4.78	4.40	-165.04	7.94	39.45	157.60	149.27	8.33	18.918		
1,300.00	1,280.54	1,307.13	1,300.27	5.33	4.82	-165.40	-3.88	44.51	172.13	163.04	9.10	18.920		
1,400.00	1,376.88	1,406.06	1,398.36	5.89	5.23	-165.70	-15.71	49.57	186.67	176.80	9.87	18.918		
1,500.00	1,473.23	1,504.99	1,496.46	6.45	5.65	-165.95	-27.53	54.62	201.21	190.57	10.64	18.913		
1,600.00	1,569.58	1,603.93	1,594.55	7.02	6.06	-166.17	-39.35	59.68	215.76	204.34	11.41	18.907		
1,700.00	1,665.92	1,702.86	1,692.65	7.59	6.48	-166.36	-51.18	64.74	230.30	218.12	12.19	18.899		
1,800.00	1,762.27	1,801.79	1,790.74	8.16	6.90	-166.53	-63.00	69.80	244.85	231.89	12.96	18.892		
1,900.00	1,858.62	1,900.73	1,888.83	8.73	7.31	-166.69	-74.82	74.85	259.40	245.67	13.74	18.884		
2,000.00	1,954.97	2,000.34	1,986.93	9.31	7.73	-166.82	-86.65	79.91	273.95	259.44	14.52	18.872		
2,100.00	2,051.31	2,101.41	2,085.02	9.88	8.16	-166.94	-98.47	84.97	288.51	273.21	15.30	18.855		
2,200.00	2,147.66	2,202.47	2,183.12	10.46	8.59	-167.05	-110.29	90.03	303.06	286.98	16.09	18.839		
2,300.00	2,244.01	2,303.54	2,281.21	11.04	9.01	-167.15	-122.12	95.08	317.62	300.75	16.87	18.823		
2,400.00	2,340.35	2,404.60	2,379.31	11.62	9.44	-167.24	-133.94	100.14	332.18	314.52	17.66	18.809		
2,500.00	2,436.70	2,494.33	2,477.40	12.19	9.82	-167.33	-145.76	105.20	346.73	328.33	18.40	18.840		
2,600.00	2,533.05	2,606.74	2,575.49	12.77	10.29	-167.40	-157.59	110.26	361.29	342.06	19.23	18.784		
2,700.00	2,629.39	2,707.80	2,673.59	13.35	10.72	-167.47	-169.41	115.31	375.85	355.83	20.02	18.772		
2,800.00	2,725.74	2,808.87	2,771.68	13.93	11.15	-167.54	-181.23	120.37	390.41	369.60	20.81	18.761		
2,900.00	2,822.09	2,909.94	2,869.78	14.51	11.57	-167.60	-193.06	125.43	404.97	383.37	21.60	18.751		
3,000.00	2,918.44	2,989.00	2,967.87	15.09	11.91	-167.65	-204.88	130.49	419.53	397.23	22.30	18.811		
3,100.00	3,014.78	3,087.93	3,065.97	15.67	12.33	-167.71	-216.70	135.54	434.09	411.01	23.08	18.806		
3,200.00	3,111.13	3,186.86	3,164.06	16.25	12.75	-167.76	-228.53	140.60	448.65	424.79	23.86	18.801		
3,300.00	3,207.48	3,285.80	3,262.15	16.84	13.16	-167.80	-240.35	145.66	463.21	438.57	24.64	18.796		
3,400.00	3,303.82	3,384.73	3,360.25	17.42	13.58	-167.85	-252.17	150.72	477.77	452.35	25.42	18.792		
3,500.00	3,400.17	3,483.66	3,458.34	18.00	14.00	-167.89	-264.00	155.78	492.33	466.13	26.20	18.788		
3,600.00	3,496.52	3,582.60	3,556.44	18.58	14.42	-167.93	-275.82	160.83	506.90	479.91	26.99	18.784		
3,700.00	3,592.87	3,681.53	3,654.53	19.16	14.84	-167.96	-287.65	165.89	521.46	493.69	27.77	18.780		
3,800.00	3,689.21	3,780.46	3,752.62	19.74	15.26	-168.00	-299.47	170.95	536.02	507.47	28.55	18.776		
3,900.00	3,785.56	3,879.40	3,850.72	20.33	15.68	-168.03	-311.29	176.01	550.58	521.25	29.33	18.773		
4,000.00	3,881.91	3,978.33	3,948.81	20.91	16.09	-168.06	-323.12	181.06	565.15	535.04	30.11	18.769		
4,100.00	3,978.25	4,077.27	4,046.91	21.49	16.51	-168.09	-334.94	186.12	579.71	548.82	30.89	18.766		
4,200.00	4,074.60	4,176.20	4,145.00	22.07	16.93	-168.12	-346.76	191.18	594.27	562.60	31.67	18.763		
4,300.00	4,170.95	4,275.13	4,243.10	22.65	17.35	-168.14	-358.59	196.24	608.83	576.38	32.45	18.760		
4,400.00	4,267.29	4,374.07	4,341.19	23.24	17.77	-168.17	-370.41	201.29	623.40	590.16	33.24	18.757		
4,500.00	4,363.64	4,473.00	4,439.28	23.82	18.19	-168.19	-382.23	206.35	637.96	603.94	34.02	18.754		
4,600.00	4,459.99	4,571.93	4,537.38	24.40	18.61	-168.22	-394.06	211.41	652.52	617.72	34.80	18.752		
4,700.00	4,556.34	4,670.87	4,635.47	24.98	19.03	-168.24	-405.88	216.47	667.09	631.51	35.58	18.749		
4,800.00	4,652.68	4,769.80	4,733.57	25.57	19.44	-168.26	-417.70	221.52	681.65	645.29	36.36	18.746		
4,900.00	4,749.03	4,868.73	4,831.66	26.15	19.86	-168.28	-429.53	226.58	696.21	659.07	37.14	18.744		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - PROSPER FARMS 4-65 14-13 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		
5,000.00	4,845.38	4,967.67	4,929.76	26.73	20.28	-168.30	-441.35	231.64	710.78	672.85	37.93	18.742		
5,100.00	4,941.72	5,066.60	5,027.85	27.32	20.70	-168.32	-453.17	236.70	725.34	686.63	38.71	18.739		
5,200.00	5,038.07	5,165.53	5,125.94	27.90	21.12	-168.33	-465.00	241.75	739.91	700.42	39.49	18.737		
5,300.00	5,134.42	5,264.47	5,224.04	28.48	21.54	-168.35	-476.82	246.81	754.47	714.20	40.27	18.735		
5,400.00	5,230.76	5,363.40	5,322.13	29.06	21.96	-168.37	-488.64	251.87	769.03	727.98	41.05	18.733		
5,500.00	5,327.11	5,462.33	5,420.23	29.65	22.38	-168.38	-500.47	256.93	783.60	741.76	41.83	18.731		
5,600.00	5,423.46	5,561.27	5,518.32	30.23	22.80	-168.40	-512.29	261.98	798.16	755.54	42.62	18.729		
5,700.00	5,519.81	5,660.20	5,616.41	30.81	23.21	-168.41	-524.11	267.04	812.73	769.33	43.40	18.727		
5,800.00	5,616.15	5,759.14	5,714.51	31.40	23.63	-168.43	-535.94	272.10	827.29	783.11	44.18	18.725		
5,900.00	5,712.50	5,858.07	5,812.60	31.98	24.05	-168.44	-547.76	277.16	841.85	796.89	44.96	18.723		
6,000.00	5,808.85	5,957.00	5,910.70	32.56	24.47	-168.46	-559.58	282.21	856.42	810.67	45.75	18.721		
6,100.00	5,905.19	6,055.94	6,008.79	33.15	24.89	-168.47	-571.41	287.27	870.98	824.46	46.53	18.720		
6,200.00	6,001.54	6,154.87	6,106.89	33.73	25.31	-168.48	-583.23	292.33	885.55	838.24	47.31	18.718		
6,300.00	6,097.89	6,253.80	6,204.98	34.31	25.73	-168.49	-595.05	297.39	900.11	852.02	48.09	18.716		
6,400.00	6,194.24	6,352.74	6,303.07	34.90	26.15	-168.50	-606.88	302.44	914.68	865.80	48.87	18.715		
6,500.00	6,290.58	6,451.67	6,401.17	35.48	26.57	-168.52	-618.70	307.50	929.24	879.58	49.66	18.713		
6,600.00	6,386.93	6,550.60	6,499.26	36.06	26.99	-168.53	-630.52	312.56	943.81	893.37	50.44	18.712		
6,700.00	6,483.28	6,649.54	6,597.36	36.65	27.40	-168.54	-642.35	317.62	958.37	907.15	51.22	18.710		
6,800.00	6,579.62	6,748.47	6,695.45	37.23	27.82	-168.55	-654.17	322.67	972.93	920.93	52.00	18.709		
6,900.00	6,675.97	6,847.40	6,793.54	37.81	28.24	-168.56	-665.99	327.73	987.50	934.71	52.79	18.707		
7,000.00	6,772.32	6,946.34	6,891.64	38.40	28.66	-168.57	-677.82	332.79	1,002.06	948.49	53.57	18.706		
7,100.00	6,868.66	7,045.27	6,989.73	38.98	29.08	-168.58	-689.64	337.85	1,016.63	962.28	54.35	18.705		
7,200.00	6,965.01	7,144.20	7,087.83	39.56	29.50	-168.59	-701.46	342.90	1,031.19	976.06	55.13	18.703		
7,300.00	7,061.36	7,243.14	7,185.92	40.15	29.92	-168.59	-713.29	347.96	1,045.76	989.84	55.92	18.702		
7,400.00	7,157.71	7,342.07	7,284.02	40.73	30.34	-168.60	-725.11	353.02	1,060.32	1,003.62	56.70	18.701		
7,500.00	7,254.05	7,441.01	7,382.11	41.31	30.76	-168.61	-736.93	358.08	1,074.89	1,017.40	57.48	18.699		
7,600.00	7,350.40	7,540.82	7,480.68	41.90	31.19	-168.39	-748.88	367.50	1,089.42	1,031.10	58.32	18.681		
7,679.74	7,427.23	7,618.17	7,555.15	42.36	31.56	-167.63	-758.06	386.00	1,101.06	1,041.98	59.08	18.637		
7,700.00	7,446.72	7,637.19	7,573.03	42.48	31.65	-160.14	-760.29	392.09	1,104.05	1,044.77	59.28	18.623		
7,750.00	7,494.53	7,683.51	7,615.65	42.78	31.88	-144.13	-765.63	409.38	1,111.49	1,051.69	59.80	18.588		
7,800.00	7,541.59	7,729.01	7,656.04	43.09	32.11	-131.90	-770.76	429.70	1,118.92	1,058.60	60.32	18.551		
7,850.00	7,587.55	7,773.79	7,694.08	43.39	32.35	-122.79	-775.64	452.78	1,126.27	1,065.42	60.85	18.509		
7,900.00	7,632.06	7,817.90	7,729.69	43.70	32.59	-115.91	-780.27	478.38	1,133.47	1,072.09	61.39	18.464		
7,950.00	7,674.78	7,861.42	7,762.80	44.01	32.83	-110.58	-784.63	506.27	1,140.46	1,078.52	61.94	18.413		
8,000.00	7,715.39	7,904.41	7,793.35	44.33	33.08	-106.35	-788.71	536.23	1,147.17	1,084.67	62.50	18.355		
8,050.00	7,753.58	7,946.93	7,821.28	44.64	33.34	-102.92	-792.50	568.05	1,153.52	1,090.44	63.08	18.286		
8,100.00	7,789.06	7,989.03	7,846.55	44.95	33.62	-100.11	-796.00	601.52	1,159.47	1,095.79	63.69	18.206		
8,150.00	7,821.55	8,030.76	7,869.12	45.26	33.90	-97.78	-799.19	636.46	1,164.96	1,100.64	64.32	18.112		
8,200.00	7,850.82	8,072.16	7,888.95	45.57	34.20	-95.85	-802.08	672.68	1,169.93	1,104.94	64.99	18.003		
8,250.00	7,876.63	8,113.27	7,906.03	45.89	34.52	-94.25	-804.65	709.98	1,174.33	1,108.64	65.69	17.877		
8,300.00	7,898.79	8,154.14	7,920.32	46.21	34.86	-92.94	-806.90	748.19	1,178.13	1,111.70	66.44	17.733		
8,350.00	7,917.13	8,194.79	7,931.82	46.53	35.23	-91.90	-808.83	787.13	1,181.29	1,114.06	67.23	17.570		
8,400.00	7,931.52	8,235.27	7,940.52	46.86	35.61	-91.09	-810.42	826.63	1,183.78	1,115.71	68.08	17.388		
8,450.00	7,941.84	8,275.61	7,946.41	47.20	36.01	-90.52	-811.69	866.50	1,185.58	1,116.61	68.97	17.189		
8,500.00	7,948.02	8,315.83	7,949.49	47.54	36.44	-90.15	-812.62	906.58	1,186.67	1,116.76	69.91	16.975		
8,548.56	7,950.00	8,358.45	7,950.00	47.88	36.91	-90.01	-813.28	949.19	1,187.00	1,116.03	70.98	16.724		
8,600.00	7,950.00	8,409.89	7,950.00	48.26	37.52	-90.01	-814.01	1,000.63	1,186.87	1,114.50	72.37	16.399		
8,700.00	7,950.00	8,509.89	7,950.00	49.08	38.84	-90.01	-815.41	1,100.62	1,186.61	1,111.29	75.31	15.756		
8,800.00	7,950.00	8,609.89	7,950.00	50.02	40.30	-90.01	-816.82	1,200.61	1,186.34	1,107.83	78.51	15.111		
8,900.00	7,950.00	8,709.89	7,950.00	51.07	41.90	-90.01	-818.22	1,300.60	1,186.08	1,104.14	81.94	14.476		
9,000.00	7,950.00	8,809.89	7,950.00	52.25	43.62	-90.01	-819.63	1,400.59	1,185.81	1,100.25	85.57	13.858		
9,100.00	7,950.00	8,909.89	7,950.00	53.55	45.44	-90.01	-821.04	1,500.58	1,185.55	1,096.18	89.37	13.265		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - PROSPER FARMS 4-65 14-13 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		
9,200.00	7,950.00	9,009.89	7,950.00	54.97	47.35	-90.01	-822.44	1,600.57	1,185.29	1,091.95	93.34	12.699		
9,300.00	7,950.00	9,109.89	7,950.00	56.50	49.35	-90.01	-823.85	1,700.56	1,185.02	1,087.58	97.44	12.162		
9,400.00	7,950.00	9,209.89	7,950.00	58.13	51.41	-90.01	-825.25	1,800.55	1,184.76	1,083.10	101.66	11.654		
9,500.00	7,950.00	9,309.89	7,950.00	59.85	53.53	-90.01	-826.66	1,900.53	1,184.50	1,078.51	105.99	11.176		
9,600.00	7,950.00	9,409.89	7,950.00	61.66	55.70	-90.01	-828.07	2,000.52	1,184.23	1,073.82	110.41	10.726		
9,700.00	7,950.00	9,509.89	7,950.00	63.55	57.92	-90.01	-829.47	2,100.51	1,183.97	1,069.06	114.91	10.303		
9,800.00	7,950.00	9,609.89	7,950.00	65.51	60.18	-90.01	-830.88	2,200.50	1,183.70	1,064.22	119.49	9.906		
9,900.00	7,950.00	9,709.89	7,950.00	67.52	62.48	-90.01	-832.29	2,300.49	1,183.44	1,059.31	124.13	9.534		
10,000.00	7,950.00	9,809.89	7,950.00	69.60	64.81	-90.01	-833.69	2,400.48	1,183.18	1,054.35	128.83	9.184		
10,100.00	7,950.00	9,909.89	7,950.00	71.72	67.16	-90.01	-835.10	2,500.47	1,182.91	1,049.33	133.58	8.855		
10,200.00	7,950.00	10,009.89	7,950.00	73.89	69.54	-90.01	-836.50	2,600.46	1,182.65	1,044.27	138.38	8.546		
10,300.00	7,950.00	10,109.89	7,950.00	76.09	71.95	-90.01	-837.91	2,700.45	1,182.39	1,039.16	143.22	8.256		
10,400.00	7,950.00	10,209.89	7,950.00	78.34	74.37	-90.01	-839.32	2,800.44	1,182.12	1,034.02	148.10	7.982		
10,500.00	7,950.00	10,309.88	7,950.00	80.61	76.82	-90.01	-840.72	2,900.43	1,181.86	1,028.84	153.01	7.724		
10,600.00	7,950.00	10,409.88	7,950.00	82.91	79.28	-90.01	-842.13	3,000.42	1,181.59	1,023.64	157.96	7.480		
10,700.00	7,950.00	10,509.88	7,950.00	85.24	81.76	-90.01	-843.53	3,100.41	1,181.33	1,018.40	162.93	7.250		
10,800.00	7,950.00	10,609.88	7,950.00	87.60	84.25	-90.01	-844.94	3,200.40	1,181.07	1,013.14	167.93	7.033		
10,900.00	7,950.00	10,709.88	7,950.00	89.97	86.75	-90.01	-846.35	3,300.39	1,180.80	1,007.85	172.95	6.827		
11,000.00	7,950.00	10,809.88	7,950.00	92.37	89.26	-90.01	-847.75	3,400.38	1,180.54	1,002.54	177.99	6.632		
11,100.00	7,950.00	10,909.88	7,950.00	94.78	91.79	-90.01	-849.16	3,500.37	1,180.28	997.22	183.06	6.448		
11,200.00	7,950.00	11,009.88	7,950.00	97.21	94.32	-90.01	-850.56	3,600.36	1,180.01	991.87	188.14	6.272		
11,300.00	7,950.00	11,109.88	7,950.00	99.65	96.86	-90.01	-851.97	3,700.35	1,179.75	986.51	193.24	6.105		
11,400.00	7,950.00	11,209.88	7,950.00	102.11	99.41	-90.01	-853.38	3,800.34	1,179.48	981.13	198.35	5.946		
11,500.00	7,950.00	11,309.88	7,950.00	104.58	101.97	-90.01	-854.78	3,900.33	1,179.22	975.74	203.48	5.795		
11,600.00	7,950.00	11,409.88	7,950.00	107.07	104.54	-90.01	-856.19	4,000.32	1,178.96	970.34	208.62	5.651		
11,700.00	7,950.00	11,509.88	7,950.00	109.56	107.11	-90.01	-857.60	4,100.31	1,178.69	964.92	213.77	5.514		
11,800.00	7,950.00	11,609.88	7,950.00	112.07	109.69	-90.01	-859.00	4,200.30	1,178.43	959.49	218.94	5.383		
11,900.00	7,950.00	11,709.88	7,950.00	114.58	112.27	-90.01	-860.41	4,300.29	1,178.17	954.05	224.11	5.257		
12,000.00	7,950.00	11,809.88	7,950.00	117.10	114.86	-90.01	-861.81	4,400.28	1,177.90	948.61	229.30	5.137		
12,100.00	7,950.00	11,909.88	7,950.00	119.63	117.45	-90.01	-863.22	4,500.27	1,177.64	943.15	234.49	5.022		
12,200.00	7,950.00	12,009.88	7,950.00	122.17	120.05	-90.01	-864.63	4,600.26	1,177.37	937.68	239.69	4.912		
12,300.00	7,950.00	12,109.88	7,950.00	124.72	122.65	-90.01	-866.03	4,700.25	1,177.11	932.21	244.90	4.806		
12,400.00	7,950.00	12,209.88	7,950.00	127.27	125.26	-90.01	-867.44	4,800.24	1,176.85	926.72	250.12	4.705		
12,500.00	7,950.00	12,309.88	7,950.00	129.82	127.87	-90.01	-868.84	4,900.23	1,176.58	921.23	255.35	4.608		
12,600.00	7,950.00	12,409.88	7,950.00	132.39	130.48	-90.01	-870.25	5,000.22	1,176.32	915.74	260.58	4.514		
12,700.00	7,950.00	12,509.88	7,950.00	134.96	133.10	-90.01	-871.66	5,100.21	1,176.06	910.24	265.82	4.424		
12,800.00	7,950.00	12,609.88	7,950.00	137.53	135.72	-90.01	-873.06	5,200.20	1,175.79	904.73	271.06	4.338		
12,900.00	7,950.00	12,709.88	7,950.00	140.11	138.34	-90.01	-874.47	5,300.19	1,175.53	899.21	276.31	4.254		
13,000.00	7,950.00	12,809.88	7,950.00	142.69	140.97	-90.01	-875.87	5,400.18	1,175.26	893.70	281.57	4.174		
13,100.00	7,950.00	12,909.88	7,950.00	145.28	143.60	-90.01	-877.28	5,500.17	1,175.00	888.17	286.83	4.097		
13,200.00	7,950.00	13,009.88	7,950.00	147.87	146.23	-90.01	-878.69	5,600.16	1,174.74	882.64	292.09	4.022		
13,300.00	7,950.00	13,109.88	7,950.00	150.47	148.86	-90.01	-880.09	5,700.15	1,174.47	877.11	297.36	3.950		
13,400.00	7,950.00	13,209.87	7,950.00	153.07	151.50	-90.01	-881.50	5,800.14	1,174.21	871.57	302.64	3.880		
13,500.00	7,950.00	13,309.87	7,950.00	155.67	154.13	-90.01	-882.91	5,900.13	1,173.95	866.03	307.92	3.813		
13,600.00	7,950.00	13,409.87	7,950.00	158.28	156.77	-90.01	-884.31	6,000.12	1,173.68	860.48	313.20	3.747		
13,700.00	7,950.00	13,509.87	7,950.00	160.88	159.41	-90.01	-885.72	6,100.11	1,173.42	854.94	318.48	3.684		
13,800.00	7,950.00	13,609.87	7,950.00	163.50	162.06	-90.01	-887.12	6,200.09	1,173.15	849.38	323.77	3.623		
13,900.00	7,950.00	13,709.87	7,950.00	166.11	164.70	-90.01	-888.53	6,300.08	1,172.89	843.83	329.06	3.564		
14,000.00	7,950.00	13,809.87	7,950.00	168.73	167.35	-90.01	-889.94	6,400.07	1,172.63	838.27	334.36	3.507		
14,100.00	7,950.00	13,909.87	7,950.00	171.35	170.00	-90.01	-891.34	6,500.06	1,172.36	832.71	339.66	3.452		
14,200.00	7,950.00	14,009.87	7,950.00	173.97	172.65	-90.01	-892.75	6,600.05	1,172.10	827.14	344.96	3.398		
14,300.00	7,950.00	14,109.87	7,950.00	176.59	175.30	-90.01	-894.15	6,700.04	1,171.84	821.57	350.26	3.346		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - PROSPER FARMS 4-65 14-13 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		
14,400.00	7,950.00	14,209.87	7,950.00	179.22	177.95	-90.01	-895.56	6,800.03	1,171.57	816.00	355.57	3.295		
14,500.00	7,950.00	14,309.87	7,950.00	181.85	180.60	-90.01	-896.97	6,900.02	1,171.31	810.43	360.88	3.246		
14,600.00	7,950.00	14,409.87	7,950.00	184.48	183.26	-90.01	-898.37	7,000.01	1,171.04	804.86	366.19	3.198		
14,700.00	7,950.00	14,509.87	7,950.00	187.11	185.91	-90.01	-899.78	7,100.00	1,170.78	799.28	371.50	3.151		
14,800.00	7,950.00	14,609.87	7,950.00	189.75	188.57	-90.01	-901.18	7,199.99	1,170.52	793.70	376.82	3.106		
14,900.00	7,950.00	14,709.87	7,950.00	192.38	191.23	-90.01	-902.59	7,299.98	1,170.25	788.12	382.13	3.062		
15,000.00	7,950.00	14,809.87	7,950.00	195.02	193.89	-90.01	-904.00	7,399.97	1,169.99	782.54	387.45	3.020		
15,100.00	7,950.00	14,909.87	7,950.00	197.66	196.55	-90.01	-905.40	7,499.96	1,169.73	776.95	392.77	2.978		
15,200.00	7,950.00	15,009.87	7,950.00	200.30	199.21	-90.01	-906.81	7,599.95	1,169.46	771.36	398.10	2.938		
15,300.00	7,950.00	15,109.87	7,950.00	202.94	201.87	-90.01	-908.22	7,699.94	1,169.20	765.77	403.42	2.898		
15,400.00	7,950.00	15,209.87	7,950.00	205.59	204.53	-90.01	-909.62	7,799.93	1,168.93	760.18	408.75	2.860		
15,500.00	7,950.00	15,309.87	7,950.00	208.23	207.20	-90.01	-911.03	7,899.92	1,168.67	754.59	414.08	2.822		
15,600.00	7,950.00	15,409.87	7,950.00	210.88	209.86	-90.01	-912.43	7,999.91	1,168.41	749.00	419.41	2.786		
15,700.00	7,950.00	15,509.87	7,950.00	213.52	212.53	-90.01	-913.84	8,099.90	1,168.14	743.40	424.74	2.750		
15,800.00	7,950.00	15,609.87	7,950.00	216.17	215.19	-90.01	-915.25	8,199.89	1,167.88	737.81	430.07	2.716		
15,900.00	7,950.00	15,709.87	7,950.00	218.82	217.86	-90.01	-916.65	8,299.88	1,167.62	732.21	435.41	2.682		
16,000.00	7,950.00	15,809.87	7,950.00	221.47	220.53	-90.01	-918.06	8,399.87	1,167.35	726.61	440.74	2.649		
16,100.00	7,950.00	15,909.87	7,950.00	224.13	223.19	-90.01	-919.46	8,499.86	1,167.09	721.01	446.08	2.616		
16,200.00	7,950.00	16,009.87	7,950.00	226.78	225.86	-90.01	-920.87	8,599.85	1,166.82	715.41	451.42	2.585		
16,300.00	7,950.00	16,109.86	7,950.00	229.43	228.53	-90.01	-922.28	8,699.84	1,166.56	709.80	456.76	2.554		
16,400.00	7,950.00	16,209.86	7,950.00	232.09	231.20	-90.01	-923.68	8,799.83	1,166.30	704.20	462.10	2.524		
16,500.00	7,950.00	16,309.86	7,950.00	234.75	233.87	-90.01	-925.09	8,899.82	1,166.03	698.59	467.44	2.495		
16,600.00	7,950.00	16,409.86	7,950.00	237.40	236.54	-90.01	-926.49	8,999.81	1,165.77	692.99	472.78	2.466		
16,700.00	7,950.00	16,509.86	7,950.00	240.06	239.22	-90.01	-927.90	9,099.80	1,165.50	687.38	478.13	2.438		
16,800.00	7,950.00	16,609.86	7,950.00	242.72	241.89	-90.01	-929.31	9,199.79	1,165.24	681.77	483.47	2.410		
16,900.00	7,950.00	16,709.86	7,950.00	245.38	244.56	-90.01	-930.71	9,299.78	1,164.98	676.16	488.82	2.383		
17,000.00	7,950.00	16,809.86	7,950.00	248.04	247.23	-90.01	-932.12	9,399.77	1,164.71	670.55	494.16	2.357		
17,100.00	7,950.00	16,909.86	7,950.00	250.70	249.91	-90.01	-933.52	9,499.76	1,164.45	664.94	499.51	2.331		
17,200.00	7,950.00	17,009.86	7,950.00	253.36	252.58	-90.01	-934.93	9,599.75	1,164.19	659.32	504.86	2.306		
17,300.00	7,950.00	17,109.86	7,950.00	256.02	255.26	-90.01	-936.34	9,699.74	1,163.92	653.71	510.21	2.281		
17,400.00	7,950.00	17,209.86	7,950.00	258.69	257.93	-90.01	-937.74	9,799.73	1,163.66	648.10	515.56	2.257		
17,500.00	7,950.00	17,309.86	7,950.00	261.35	260.61	-90.01	-939.15	9,899.72	1,163.39	642.48	520.91	2.233		
17,600.00	7,950.00	17,409.86	7,950.00	264.01	263.28	-90.01	-940.56	9,999.71	1,163.13	636.87	526.26	2.210		
17,700.00	7,950.00	17,509.86	7,950.00	266.68	265.96	-90.01	-941.96	10,099.70	1,162.87	631.25	531.62	2.187		
17,800.00	7,950.00	17,609.86	7,950.00	269.34	268.64	-90.01	-943.37	10,199.69	1,162.60	625.63	536.97	2.165		
17,900.00	7,950.00	17,709.86	7,950.00	272.01	271.31	-90.01	-944.77	10,299.68	1,162.34	620.01	542.33	2.143		
18,000.00	7,950.00	17,809.86	7,950.00	274.68	273.99	-90.01	-946.18	10,399.67	1,162.08	614.40	547.68	2.122		
18,100.00	7,950.00	17,909.86	7,950.00	277.34	276.67	-90.01	-947.59	10,499.65	1,161.81	608.78	553.04	2.101		
18,200.00	7,950.00	18,009.86	7,950.00	280.01	279.34	-90.01	-948.99	10,599.64	1,161.55	603.16	558.39	2.080		
18,300.00	7,950.00	18,109.86	7,950.00	282.68	282.02	-90.01	-950.40	10,699.63	1,161.28	597.54	563.75	2.060		
18,400.00	7,950.00	18,209.86	7,950.00	285.35	284.70	-90.01	-951.80	10,799.62	1,161.02	591.91	569.11	2.040		
18,449.59	7,950.00	18,259.45	7,950.00	286.67	286.03	-90.01	-952.50	10,849.21	1,160.89	589.13	571.76	2.030 SF		
18,456.97	7,950.00	18,255.08	7,950.00	286.87	285.91	-90.01	-952.44	10,844.84	1,160.93	589.42	571.51	2.031		

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - PROSPER FARMS 4-65 14-13 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	0.00	0.00	0.00	0.00	0.01	50.27	0.00	50.27					
100.00	100.00	100.00	100.00	0.13	0.13	0.01	50.27	0.00	50.27	50.00	0.27	186.975		
200.00	200.00	200.00	200.00	0.49	0.49	0.01	50.27	0.00	50.27	49.28	0.99	50.993		
250.00	250.00	250.00	250.00	0.67	0.67	0.01	50.27	0.00	50.27	48.92	1.34	37.395		
300.00	300.00	300.86	300.86	0.84	0.85	-168.90	49.83	0.12	50.27	48.58	1.69	29.746		
400.00	399.93	402.59	402.51	1.18	1.19	-168.62	46.34	1.04	50.26	47.89	2.37	21.177		
500.00	499.68	504.31	503.97	1.54	1.56	-168.06	39.37	2.90	50.26	47.18	3.08	16.338		
571.63	570.96	577.16	576.45	1.81	1.83	-167.49	32.23	4.79	50.25	46.67	3.59	14.009 CC		
600.00	599.13	606.02	605.10	1.91	1.94	-167.22	28.92	5.67	50.25	46.47	3.79	13.265		
700.00	698.15	707.72	705.77	2.31	2.35	-166.10	15.00	9.37	50.27	45.76	4.51	11.140		
800.00	796.63	809.40	805.86	2.74	2.78	-164.71	-2.35	13.98	50.31	45.06	5.25	9.587		
900.00	894.44	909.79	904.19	3.20	3.24	-163.47	-21.89	19.17	51.36	45.35	6.01	8.545		
1,000.00	991.46	1,009.69	1,002.02	3.70	3.71	-163.32	-41.43	24.36	55.68	48.89	6.78	8.206		
1,026.71	1,017.23	1,036.35	1,028.13	3.84	3.84	-163.45	-46.64	25.74	57.39	50.40	6.99	8.210		
1,100.00	1,087.84	1,109.46	1,099.73	4.23	4.19	-163.88	-60.94	29.54	62.43	54.87	7.57	8.249		
1,200.00	1,184.19	1,209.23	1,197.43	4.78	4.67	-164.37	-80.45	34.72	69.32	60.97	8.35	8.301		
1,300.00	1,280.54	1,308.99	1,295.12	5.33	5.15	-164.76	-99.96	39.90	76.20	67.07	9.14	8.339		
1,400.00	1,376.88	1,408.75	1,392.82	5.89	5.64	-165.10	-119.47	45.09	83.09	73.17	9.93	8.369		
1,500.00	1,473.23	1,508.51	1,490.52	6.45	6.13	-165.38	-138.99	50.27	89.99	79.27	10.72	8.393		
1,600.00	1,569.58	1,608.27	1,588.21	7.02	6.62	-165.62	-158.50	55.45	96.88	85.36	11.52	8.413		
1,700.00	1,665.92	1,708.03	1,685.91	7.59	7.11	-165.83	-178.01	60.64	103.78	91.46	12.31	8.429		
1,800.00	1,762.27	1,807.79	1,783.61	8.16	7.60	-166.01	-197.52	65.82	110.67	97.56	13.11	8.442		
1,900.00	1,858.62	1,907.55	1,881.31	8.73	8.10	-166.18	-217.03	71.00	117.57	103.66	13.91	8.454		
2,000.00	1,954.97	2,007.32	1,979.00	9.31	8.59	-166.32	-236.54	76.18	124.47	109.76	14.71	8.464		
2,100.00	2,051.31	2,107.08	2,076.70	9.88	9.09	-166.45	-256.05	81.37	131.37	115.86	15.51	8.472		
2,200.00	2,147.66	2,206.84	2,174.40	10.46	9.58	-166.56	-275.57	86.55	138.27	121.96	16.31	8.479		
2,300.00	2,244.01	2,306.60	2,272.10	11.04	10.08	-166.67	-295.08	91.73	145.17	128.06	17.11	8.486		
2,400.00	2,340.35	2,406.36	2,369.79	11.62	10.57	-166.76	-314.59	96.91	152.07	134.16	17.91	8.492		
2,500.00	2,436.70	2,506.12	2,467.49	12.19	11.07	-166.85	-334.10	102.10	158.97	140.26	18.71	8.497		
2,600.00	2,533.05	2,605.88	2,565.19	12.77	11.56	-166.93	-353.61	107.28	165.87	146.36	19.51	8.501		
2,700.00	2,629.39	2,705.64	2,662.88	13.35	12.06	-167.00	-373.12	112.46	172.78	152.46	20.31	8.505		
2,800.00	2,725.74	2,805.41	2,760.58	13.93	12.56	-167.07	-392.64	117.65	179.68	158.56	21.12	8.509		
2,900.00	2,822.09	2,905.17	2,858.28	14.51	13.05	-167.14	-412.15	122.83	186.58	164.66	21.92	8.512		
3,000.00	2,918.44	3,004.93	2,955.98	15.09	13.55	-167.19	-431.66	128.01	193.48	170.76	22.72	8.515		
3,100.00	3,014.78	3,104.69	3,053.67	15.67	14.05	-167.25	-451.17	133.19	200.39	176.86	23.52	8.518		
3,200.00	3,111.13	3,204.45	3,151.37	16.25	14.55	-167.30	-470.68	138.38	207.29	182.96	24.33	8.521		
3,300.00	3,207.48	3,304.21	3,249.07	16.84	15.04	-167.35	-490.19	143.56	214.19	189.06	25.13	8.523		
3,400.00	3,303.82	3,403.97	3,346.77	17.42	15.54	-167.39	-509.70	148.74	221.10	195.16	25.93	8.525		
3,500.00	3,400.17	3,503.74	3,444.46	18.00	16.04	-167.43	-529.22	153.92	228.00	201.26	26.74	8.527		
3,600.00	3,496.52	3,603.50	3,542.16	18.58	16.54	-167.47	-548.73	159.11	234.90	207.36	27.54	8.529		
3,700.00	3,592.87	3,703.26	3,639.86	19.16	17.04	-167.51	-568.24	164.29	241.81	213.46	28.35	8.531		
3,800.00	3,689.21	3,803.02	3,737.55	19.74	17.53	-167.54	-587.75	169.47	248.71	219.56	29.15	8.532		
3,900.00	3,785.56	3,902.78	3,835.25	20.33	18.03	-167.58	-607.26	174.65	255.62	225.66	29.95	8.534		
4,000.00	3,881.91	4,002.54	3,932.95	20.91	18.53	-167.61	-626.77	179.84	262.52	231.76	30.76	8.535		
4,100.00	3,978.25	4,102.30	4,030.65	21.49	19.03	-167.64	-646.29	185.02	269.42	237.86	31.56	8.536		
4,200.00	4,074.60	4,202.06	4,128.34	22.07	19.53	-167.67	-665.80	190.20	276.33	243.96	32.37	8.538		
4,300.00	4,170.95	4,301.83	4,226.04	22.65	20.02	-167.69	-685.31	195.39	283.23	250.06	33.17	8.539		
4,400.00	4,267.29	4,401.59	4,323.74	23.24	20.52	-167.72	-704.82	200.57	290.14	256.16	33.97	8.540		
4,500.00	4,363.64	4,501.35	4,421.44	23.82	21.02	-167.74	-724.33	205.75	297.04	262.26	34.78	8.541		
4,600.00	4,459.99	4,601.11	4,519.13	24.40	21.52	-167.77	-743.84	210.93	303.95	268.36	35.58	8.542		
4,700.00	4,556.34	4,700.87	4,616.83	24.98	22.02	-167.79	-763.36	216.12	310.85	274.46	36.39	8.543		
4,800.00	4,652.68	4,800.63	4,714.53	25.57	22.52	-167.81	-782.87	221.30	317.75	280.56	37.19	8.544		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - PROSPER FARMS 4-65 14-13 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		
4,900.00	4,749.03	4,900.39	4,812.22	26.15	23.01	-167.83	-802.38	226.48	324.66	286.66	38.00	8.544		
5,000.00	4,845.38	5,000.15	4,909.92	26.73	23.51	-167.85	-821.89	231.66	331.56	292.76	38.80	8.545		
5,100.00	4,941.72	5,100.08	5,007.62	27.32	24.01	-167.87	-841.40	236.85	338.47	298.86	39.61	8.546		
5,200.00	5,038.07	5,199.68	5,105.32	27.90	24.51	-167.89	-860.91	242.03	345.37	304.96	40.41	8.547		
5,300.00	5,134.42	5,299.44	5,203.01	28.48	25.01	-167.90	-880.42	247.21	352.28	311.06	41.21	8.547		
5,400.00	5,230.76	5,400.80	5,300.71	29.06	25.52	-167.92	-899.94	252.40	359.18	317.16	42.03	8.547		
5,500.00	5,327.11	5,498.96	5,398.41	29.65	26.01	-167.94	-919.45	257.58	366.09	323.26	42.82	8.549		
5,600.00	5,423.46	5,601.28	5,496.10	30.23	26.52	-167.95	-938.96	262.76	372.99	329.35	43.64	8.547		
5,700.00	5,519.81	5,698.48	5,593.80	30.81	27.00	-167.97	-958.47	267.94	379.90	335.46	44.43	8.550		
5,800.00	5,616.15	5,801.76	5,691.50	31.40	27.52	-167.98	-977.98	273.13	386.80	341.55	45.25	8.548		
5,900.00	5,712.50	5,901.99	5,789.20	31.98	28.02	-168.00	-997.49	278.31	393.71	347.65	46.06	8.548		
6,000.00	5,808.85	6,002.23	5,886.89	32.56	28.52	-168.01	-1,017.01	283.49	400.61	353.74	46.87	8.548		
6,100.00	5,905.19	6,102.47	5,984.59	33.15	29.02	-168.02	-1,036.52	288.67	407.51	359.84	47.67	8.548		
6,200.00	6,001.54	6,197.29	6,082.29	33.73	29.50	-168.03	-1,056.03	293.86	414.42	365.96	48.46	8.552		
6,300.00	6,097.89	6,297.05	6,179.99	34.31	30.00	-168.05	-1,075.54	299.04	421.32	372.06	49.26	8.553		
6,400.00	6,194.24	6,396.81	6,277.68	34.90	30.49	-168.06	-1,095.05	304.22	428.23	378.16	50.07	8.553		
6,500.00	6,290.58	6,496.57	6,375.38	35.48	30.99	-168.07	-1,114.56	309.41	435.13	384.26	50.87	8.553		
6,600.00	6,386.93	6,603.67	6,473.08	36.06	31.53	-168.08	-1,134.07	314.59	442.04	390.33	51.71	8.549		
6,700.00	6,483.28	6,696.10	6,570.77	36.65	31.99	-168.09	-1,153.59	319.77	448.94	396.46	52.48	8.554		
6,800.00	6,579.62	6,795.86	6,668.47	37.23	32.49	-168.10	-1,173.10	324.95	455.85	402.56	53.29	8.554		
6,900.00	6,675.97	6,904.38	6,766.17	37.81	33.03	-168.11	-1,192.61	330.14	462.75	408.63	54.13	8.549		
7,000.00	6,772.32	7,004.62	6,863.87	38.40	33.53	-168.12	-1,212.12	335.32	469.66	414.72	54.94	8.549		
7,100.00	6,868.66	7,104.86	6,961.56	38.98	34.03	-168.13	-1,231.63	340.50	476.56	420.82	55.74	8.549		
7,200.00	6,965.01	7,194.90	7,059.26	39.56	34.48	-168.14	-1,251.14	345.68	483.47	426.96	56.51	8.556		
7,300.00	7,061.36	7,305.34	7,156.96	40.15	35.04	-168.15	-1,270.66	350.87	490.37	433.02	57.36	8.550		
7,400.00	7,157.71	7,394.43	7,254.66	40.73	35.48	-168.16	-1,290.17	356.05	497.28	439.16	58.12	8.556		
7,500.00	7,254.05	7,494.14	7,352.31	41.31	35.98	-168.16	-1,309.67	361.30	504.19	445.26	58.93	8.556		
7,600.00	7,350.40	7,592.17	7,447.17	41.90	36.49	-167.05	-1,328.73	376.24	511.25	451.30	59.95	8.528		
7,679.74	7,427.23	7,666.32	7,516.48	42.36	36.90	-165.02	-1,342.78	398.38	517.63	456.62	61.01	8.485		
7,700.00	7,446.72	7,684.41	7,532.91	42.48	37.00	-157.30	-1,346.13	405.16	519.45	458.15	61.30	8.474		
7,750.00	7,494.53	7,728.40	7,571.92	42.78	37.24	-140.72	-1,354.11	423.81	524.21	462.18	62.03	8.451		
7,800.00	7,541.59	7,771.51	7,608.68	43.09	37.49	-127.97	-1,361.67	445.00	529.24	466.52	62.73	8.437		
7,850.00	7,587.55	7,813.84	7,643.16	43.39	37.73	-118.37	-1,368.81	468.50	534.48	471.09	63.39	8.431		
7,900.00	7,632.06	7,855.48	7,675.30	43.70	37.97	-111.04	-1,375.50	494.09	539.82	475.81	64.01	8.434		
7,950.00	7,674.78	7,896.50	7,705.10	44.01	38.21	-105.30	-1,381.75	521.56	545.17	480.61	64.56	8.444		
8,000.00	7,715.39	7,936.96	7,732.54	44.33	38.45	-100.71	-1,387.54	550.73	550.45	485.39	65.07	8.460		
8,050.00	7,753.58	7,976.94	7,757.58	44.64	38.70	-96.96	-1,392.88	581.41	555.58	490.07	65.51	8.480		
8,100.00	7,789.06	8,016.49	7,780.24	44.95	38.95	-93.86	-1,397.75	613.45	560.48	494.57	65.91	8.504		
8,150.00	7,821.55	8,055.66	7,800.48	45.26	39.20	-91.27	-1,402.16	646.69	565.08	498.81	66.27	8.527		
8,200.00	7,850.82	8,094.51	7,818.30	45.57	39.46	-89.13	-1,406.11	680.97	569.31	502.70	66.61	8.547		
8,250.00	7,876.63	8,133.07	7,833.70	45.89	39.73	-87.34	-1,409.57	716.15	573.12	506.18	66.93	8.562		
8,300.00	7,898.79	8,171.40	7,846.67	46.21	40.00	-85.89	-1,412.57	752.09	576.45	509.18	67.26	8.570		
8,350.00	7,917.13	8,209.53	7,857.21	46.53	40.29	-84.72	-1,415.08	788.64	579.26	511.65	67.61	8.568		
8,400.00	7,931.52	8,247.50	7,865.30	46.86	40.58	-83.83	-1,417.12	825.68	581.52	513.53	67.99	8.553		
8,450.00	7,941.84	8,285.36	7,870.96	47.20	40.89	-83.18	-1,418.67	863.06	583.19	514.77	68.42	8.524		
8,500.00	7,948.02	8,323.12	7,874.18	47.54	41.20	-82.79	-1,419.74	900.67	584.26	515.36	68.90	8.480		
8,548.56	7,950.00	8,361.59	7,875.00	47.88	41.54	-82.63	-1,420.34	939.12	584.70	515.17	69.53	8.410		
8,600.00	7,950.00	8,413.04	7,875.00	48.26	42.01	-82.63	-1,420.93	990.56	584.70	513.81	70.89	8.248		
8,700.00	7,950.00	8,513.04	7,875.00	49.08	43.05	-82.63	-1,422.07	1,090.55	584.70	510.94	73.76	7.927		
8,800.00	7,950.00	8,613.04	7,875.00	50.02	44.22	-82.63	-1,423.21	1,190.55	584.70	507.81	76.89	7.604		
8,900.00	7,950.00	8,713.04	7,875.00	51.07	45.55	-82.63	-1,424.36	1,290.54	584.70	504.44	80.26	7.285		
9,000.00	7,950.00	8,813.04	7,875.00	52.25	47.00	-82.63	-1,425.50	1,390.53	584.70	500.87	83.83	6.975		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - PROSPER FARMS 4-65 14-13 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		
9,100.00	7,950.00	8,913.04	7,875.00	53.55	48.58	-82.63	-1,426.64	1,490.53	584.70	497.11	87.59	6.676		
9,200.00	7,950.00	9,013.04	7,875.00	54.97	50.28	-82.63	-1,427.78	1,590.52	584.70	493.20	91.50	6.390		
9,300.00	7,950.00	9,113.04	7,875.00	56.50	52.07	-82.63	-1,428.92	1,690.51	584.70	489.15	95.55	6.119		
9,400.00	7,950.00	9,213.04	7,875.00	58.13	53.95	-82.63	-1,430.07	1,790.51	584.70	484.97	99.73	5.863		
9,500.00	7,950.00	9,313.04	7,875.00	59.85	55.91	-82.63	-1,431.21	1,890.50	584.70	480.69	104.01	5.622		
9,600.00	7,950.00	9,413.04	7,875.00	61.66	57.93	-82.63	-1,432.35	1,990.50	584.70	476.31	108.39	5.394		
9,700.00	7,950.00	9,513.04	7,875.00	63.55	60.02	-82.63	-1,433.49	2,090.49	584.70	471.85	112.85	5.181		
9,800.00	7,950.00	9,613.04	7,875.00	65.51	62.16	-82.63	-1,434.63	2,190.48	584.70	467.31	117.39	4.981		
9,900.00	7,950.00	9,713.04	7,875.00	67.52	64.35	-82.63	-1,435.78	2,290.48	584.70	462.71	121.99	4.793		
10,000.00	7,950.00	9,813.04	7,875.00	69.60	66.58	-82.63	-1,436.92	2,390.47	584.70	458.05	126.65	4.617		
10,100.00	7,950.00	9,913.04	7,875.00	71.72	68.84	-82.63	-1,438.06	2,490.46	584.70	453.34	131.36	4.451		
10,200.00	7,950.00	10,013.04	7,875.00	73.89	71.14	-82.63	-1,439.20	2,590.46	584.70	448.58	136.12	4.295		
10,300.00	7,950.00	10,113.04	7,875.00	76.09	73.47	-82.63	-1,440.34	2,690.45	584.70	443.78	140.93	4.149		
10,400.00	7,950.00	10,213.04	7,875.00	78.34	75.82	-82.63	-1,441.49	2,790.44	584.70	438.94	145.77	4.011		
10,500.00	7,950.00	10,313.04	7,875.00	80.61	78.20	-82.63	-1,442.63	2,890.44	584.70	434.06	150.64	3.881		
10,600.00	7,950.00	10,413.04	7,875.00	82.91	80.60	-82.63	-1,443.77	2,990.43	584.70	429.15	155.55	3.759		
10,700.00	7,950.00	10,513.04	7,875.00	85.24	83.02	-82.63	-1,444.91	3,090.42	584.70	424.22	160.48	3.643		
10,800.00	7,950.00	10,613.04	7,875.00	87.60	85.46	-82.63	-1,446.05	3,190.42	584.70	419.26	165.44	3.534		
10,900.00	7,950.00	10,713.04	7,875.00	89.97	87.91	-82.63	-1,447.20	3,290.41	584.70	414.28	170.43	3.431		
11,000.00	7,950.00	10,813.04	7,875.00	92.37	90.38	-82.63	-1,448.34	3,390.40	584.70	409.27	175.43	3.333		
11,100.00	7,950.00	10,913.04	7,875.00	94.78	92.86	-82.63	-1,449.48	3,490.40	584.71	404.24	180.46	3.240		
11,200.00	7,950.00	11,013.04	7,875.00	97.21	95.35	-82.63	-1,450.62	3,590.39	584.71	399.20	185.50	3.152		
11,300.00	7,950.00	11,113.04	7,875.00	99.65	97.86	-82.63	-1,451.76	3,690.38	584.71	394.14	190.56	3.068		
11,400.00	7,950.00	11,213.04	7,875.00	102.11	100.37	-82.63	-1,452.91	3,790.38	584.71	389.07	195.64	2.989		
11,500.00	7,950.00	11,313.04	7,875.00	104.58	102.90	-82.63	-1,454.05	3,890.37	584.71	383.98	200.73	2.913		
11,600.00	7,950.00	11,413.04	7,875.00	107.07	105.43	-82.63	-1,455.19	3,990.36	584.71	378.87	205.83	2.841		
11,700.00	7,950.00	11,513.04	7,875.00	109.56	107.97	-82.63	-1,456.33	4,090.36	584.71	373.76	210.95	2.772		
11,800.00	7,950.00	11,613.04	7,875.00	112.07	110.52	-82.63	-1,457.47	4,190.35	584.71	368.63	216.08	2.706		
11,900.00	7,950.00	11,713.04	7,875.00	114.58	113.08	-82.63	-1,458.62	4,290.35	584.71	363.49	221.21	2.643		
12,000.00	7,950.00	11,813.04	7,875.00	117.10	115.64	-82.63	-1,459.76	4,390.34	584.71	358.35	226.36	2.583		
12,100.00	7,950.00	11,913.04	7,875.00	119.63	118.21	-82.63	-1,460.90	4,490.33	584.71	353.19	231.52	2.526		
12,200.00	7,950.00	12,013.04	7,875.00	122.17	120.78	-82.63	-1,462.04	4,590.33	584.71	348.03	236.68	2.470		
12,300.00	7,950.00	12,113.04	7,875.00	124.72	123.36	-82.63	-1,463.18	4,690.32	584.71	342.85	241.86	2.418		
12,400.00	7,950.00	12,213.04	7,875.00	127.27	125.95	-82.63	-1,464.33	4,790.31	584.71	337.67	247.04	2.367		
12,500.00	7,950.00	12,313.04	7,875.00	129.82	128.54	-82.63	-1,465.47	4,890.31	584.71	332.49	252.22	2.318		
12,600.00	7,950.00	12,413.04	7,875.00	132.39	131.13	-82.63	-1,466.61	4,990.30	584.71	327.29	257.42	2.271		
12,700.00	7,950.00	12,513.04	7,875.00	134.96	133.73	-82.63	-1,467.75	5,090.29	584.71	322.09	262.62	2.226		
12,800.00	7,950.00	12,613.04	7,875.00	137.53	136.33	-82.63	-1,468.89	5,190.29	584.71	316.89	267.83	2.183		
12,900.00	7,950.00	12,713.04	7,875.00	140.11	138.94	-82.63	-1,470.04	5,290.28	584.71	311.67	273.04	2.142		
13,000.00	7,950.00	12,813.04	7,875.00	142.69	141.55	-82.63	-1,471.18	5,390.27	584.71	306.46	278.25	2.101		
13,100.00	7,950.00	12,913.04	7,875.00	145.28	144.16	-82.63	-1,472.32	5,490.27	584.71	301.24	283.48	2.063		
13,200.00	7,950.00	13,013.04	7,875.00	147.87	146.78	-82.63	-1,473.46	5,590.26	584.71	296.01	288.70	2.025		
13,300.00	7,950.00	13,113.04	7,875.00	150.47	149.39	-82.63	-1,474.60	5,690.25	584.71	290.78	293.93	1.989		
13,400.00	7,950.00	13,213.04	7,875.00	153.07	152.01	-82.63	-1,475.75	5,790.25	584.71	285.54	299.17	1.954		
13,500.00	7,950.00	13,313.04	7,875.00	155.67	154.64	-82.63	-1,476.89	5,890.24	584.71	280.30	304.41	1.921		
13,600.00	7,950.00	13,413.04	7,875.00	158.28	157.26	-82.63	-1,478.03	5,990.23	584.71	275.06	309.65	1.888		
13,700.00	7,950.00	13,513.04	7,875.00	160.88	159.89	-82.63	-1,479.17	6,090.23	584.71	269.81	314.90	1.857		
13,800.00	7,950.00	13,613.04	7,875.00	163.50	162.52	-82.63	-1,480.31	6,190.22	584.71	264.56	320.15	1.826		
13,900.00	7,950.00	13,713.04	7,875.00	166.11	165.16	-82.63	-1,481.46	6,290.21	584.72	259.31	325.40	1.797		
14,000.00	7,950.00	13,813.04	7,875.00	168.73	167.79	-82.63	-1,482.60	6,390.21	584.72	254.05	330.66	1.768		
14,100.00	7,950.00	13,913.04	7,875.00	171.35	170.43	-82.63	-1,483.74	6,490.20	584.72	248.80	335.92	1.741		
14,200.00	7,950.00	14,013.04	7,875.00	173.97	173.07	-82.63	-1,484.88	6,590.20	584.72	243.53	341.18	1.714		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - PROSPER FARMS 4-65 14-13 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		
14,300.00	7,950.00	14,113.04	7,875.00	176.59	175.71	-82.63	-1,486.02	6,690.19	584.72	238.27	346.45	1.688		
14,400.00	7,950.00	14,213.04	7,875.00	179.22	178.35	-82.63	-1,487.17	6,790.18	584.72	233.00	351.72	1.662		
14,500.00	7,950.00	14,313.04	7,875.00	181.85	180.99	-82.63	-1,488.31	6,890.18	584.72	227.73	356.99	1.638		
14,600.00	7,950.00	14,413.04	7,875.00	184.48	183.64	-82.63	-1,489.45	6,990.17	584.72	222.46	362.26	1.614		
14,700.00	7,950.00	14,513.04	7,875.00	187.11	186.28	-82.63	-1,490.59	7,090.16	584.72	217.19	367.53	1.591		
14,800.00	7,950.00	14,613.04	7,875.00	189.75	188.93	-82.63	-1,491.73	7,190.16	584.72	211.91	372.81	1.568		
14,900.00	7,950.00	14,713.04	7,875.00	192.38	191.58	-82.63	-1,492.88	7,290.15	584.72	206.63	378.09	1.547		
15,000.00	7,950.00	14,813.04	7,875.00	195.02	194.23	-82.63	-1,494.02	7,390.14	584.72	201.35	383.37	1.525		
15,100.00	7,950.00	14,913.04	7,875.00	197.66	196.88	-82.63	-1,495.16	7,490.14	584.72	196.07	388.65	1.504		
15,200.00	7,950.00	15,013.04	7,875.00	200.30	199.54	-82.63	-1,496.30	7,590.13	584.72	190.78	393.94	1.484	Level 3	
15,300.00	7,950.00	15,113.04	7,875.00	202.94	202.19	-82.63	-1,497.44	7,690.12	584.72	185.50	399.22	1.465	Level 3	
15,400.00	7,950.00	15,213.04	7,875.00	205.59	204.84	-82.63	-1,498.59	7,790.12	584.72	180.21	404.51	1.445	Level 3	
15,500.00	7,950.00	15,313.04	7,875.00	208.23	207.50	-82.63	-1,499.73	7,890.11	584.72	174.92	409.80	1.427	Level 3	
15,600.00	7,950.00	15,413.04	7,875.00	210.88	210.16	-82.63	-1,500.87	7,990.10	584.72	169.63	415.09	1.409	Level 3	
15,700.00	7,950.00	15,513.04	7,875.00	213.52	212.82	-82.63	-1,502.01	8,090.10	584.72	164.34	420.38	1.391	Level 3	
15,800.00	7,950.00	15,613.04	7,875.00	216.17	215.47	-82.63	-1,503.15	8,190.09	584.72	159.04	425.68	1.374	Level 3	
15,900.00	7,950.00	15,713.04	7,875.00	218.82	218.13	-82.63	-1,504.30	8,290.08	584.72	153.75	430.97	1.357	Level 3	
16,000.00	7,950.00	15,813.04	7,875.00	221.47	220.80	-82.63	-1,505.44	8,390.08	584.72	148.45	436.27	1.340	Level 3	
16,100.00	7,950.00	15,913.04	7,875.00	224.13	223.46	-82.63	-1,506.58	8,490.07	584.72	143.15	441.57	1.324	Level 3	
16,200.00	7,950.00	16,013.04	7,875.00	226.78	226.12	-82.63	-1,507.72	8,590.06	584.72	137.86	446.87	1.308	Level 3	
16,300.00	7,950.00	16,113.04	7,875.00	229.43	228.78	-82.63	-1,508.86	8,690.06	584.72	132.56	452.17	1.293	Level 3	
16,400.00	7,950.00	16,213.04	7,875.00	232.09	231.45	-82.63	-1,510.01	8,790.05	584.72	127.25	457.47	1.278	Level 3	
16,500.00	7,950.00	16,313.04	7,875.00	234.75	234.11	-82.63	-1,511.15	8,890.05	584.72	121.95	462.77	1.264	Level 3	
16,600.00	7,950.00	16,413.04	7,875.00	237.40	236.78	-82.63	-1,512.29	8,990.04	584.73	116.65	468.08	1.249	Level 2	
16,700.00	7,950.00	16,513.04	7,875.00	240.06	239.44	-82.63	-1,513.43	9,090.03	584.73	111.34	473.38	1.235	Level 2	
16,800.00	7,950.00	16,613.04	7,875.00	242.72	242.11	-82.63	-1,514.57	9,190.03	584.73	106.04	478.69	1.222	Level 2	
16,900.00	7,950.00	16,713.04	7,875.00	245.38	244.78	-82.63	-1,515.72	9,290.02	584.73	100.73	483.99	1.208	Level 2	
17,000.00	7,950.00	16,813.04	7,875.00	248.04	247.44	-82.63	-1,516.86	9,390.01	584.73	95.42	489.30	1.195	Level 2	
17,100.00	7,950.00	16,913.04	7,875.00	250.70	250.11	-82.63	-1,518.00	9,490.01	584.73	90.12	494.61	1.182	Level 2	
17,200.00	7,950.00	17,013.04	7,875.00	253.36	252.78	-82.63	-1,519.14	9,590.00	584.73	84.81	499.92	1.170	Level 2	
17,300.00	7,950.00	17,113.04	7,875.00	256.02	255.45	-82.63	-1,520.28	9,689.99	584.73	79.50	505.23	1.157	Level 2	
17,400.00	7,950.00	17,213.04	7,875.00	258.69	258.12	-82.63	-1,521.43	9,789.99	584.73	74.19	510.54	1.145	Level 2	
17,500.00	7,950.00	17,313.04	7,875.00	261.35	260.79	-82.63	-1,522.57	9,889.98	584.73	68.87	515.86	1.134	Level 2	
17,600.00	7,950.00	17,413.04	7,875.00	264.01	263.46	-82.63	-1,523.71	9,989.97	584.73	63.56	521.17	1.122	Level 2	
17,700.00	7,950.00	17,513.04	7,875.00	266.68	266.13	-82.63	-1,524.85	10,089.97	584.73	58.25	526.48	1.111	Level 2	
17,800.00	7,950.00	17,613.04	7,875.00	269.34	268.81	-82.63	-1,525.99	10,189.96	584.73	52.93	531.80	1.100	Level 2	
17,900.00	7,950.00	17,713.04	7,875.00	272.01	271.48	-82.63	-1,527.14	10,289.95	584.73	47.62	537.11	1.089	Level 2	
18,000.00	7,950.00	17,813.04	7,875.00	274.68	274.15	-82.63	-1,528.28	10,389.95	584.73	42.30	542.43	1.078	Level 2	
18,100.00	7,950.00	17,913.04	7,875.00	277.34	276.82	-82.63	-1,529.42	10,489.94	584.73	36.99	547.74	1.068	Level 2	
18,200.00	7,950.00	18,013.04	7,875.00	280.01	279.50	-82.63	-1,530.56	10,589.93	584.73	31.67	553.06	1.057	Level 2	
18,300.00	7,950.00	18,113.04	7,875.00	282.68	282.17	-82.63	-1,531.70	10,689.93	584.73	26.35	558.38	1.047	Level 2	
18,400.00	7,950.00	18,213.04	7,875.00	285.35	284.85	-82.63	-1,532.85	10,789.92	584.73	21.04	563.70	1.037	Level 2	
18,456.97	7,950.00	18,270.01	7,875.00	286.87	286.37	-82.63	-1,533.50	10,846.89	584.73	18.01	566.73	1.032	Level 2, ES, SF	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - PROSPER FARMS 4-65 14-13 4AH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.10	-0.10	0.00	0.00	179.68	-49.91	0.28	49.91					
100.00	100.00	100.10	99.90	0.13	0.13	179.68	-49.91	0.28	49.91	49.64	0.27	185.392		
200.00	200.00	200.10	199.90	0.49	0.49	179.68	-49.91	0.28	49.91	48.92	0.99	50.610		
250.00	250.00	249.90	249.90	0.67	0.67	179.68	-49.91	0.28	49.91	48.57	1.34	37.138		
300.00	300.00	299.05	299.05	0.84	0.84	10.76	-50.32	0.35	49.90	48.22	1.68	29.639		
400.00	399.93	397.36	397.30	1.18	1.18	10.93	-53.65	0.86	49.87	47.51	2.36	21.173		
500.00	499.68	495.67	495.37	1.54	1.52	11.25	-60.31	1.89	49.79	46.75	3.04	16.353		
600.00	599.13	593.99	593.16	1.91	1.89	11.75	-70.29	3.44	49.69	45.94	3.74	13.273		
700.00	698.15	692.31	690.55	2.31	2.28	12.40	-83.58	5.50	49.56	45.11	4.45	11.134		
800.00	796.63	790.63	787.43	2.74	2.70	13.23	-100.17	8.07	49.40	44.24	5.17	9.561		
900.00	894.44	888.97	883.69	3.20	3.15	14.22	-120.04	11.15	49.23	43.34	5.90	8.351		
1,000.00	991.46	987.32	979.21	3.70	3.64	15.39	-143.16	14.73	49.05	42.41	6.64	7.387		
1,026.71	1,017.23	1,013.59	1,004.58	3.84	3.77	15.73	-149.88	15.77	49.01	42.16	6.84	7.160		
1,032.02	1,022.35	1,018.82	1,009.62	3.87	3.80	15.80	-151.24	15.98	49.00	42.12	6.89	7.116 CC		
1,100.00	1,087.84	1,085.67	1,073.87	4.23	4.16	16.42	-169.50	18.81	49.78	42.38	7.40	6.728		
1,200.00	1,184.19	1,183.88	1,167.43	4.78	4.73	16.51	-199.00	23.38	53.71	45.55	8.16	6.578		
1,300.00	1,280.54	1,282.66	1,260.58	5.33	5.34	15.88	-231.50	28.42	60.59	51.65	8.95	6.772		
1,400.00	1,376.88	1,382.39	1,354.46	5.89	5.97	15.28	-264.74	33.57	67.95	58.19	9.76	6.961		
1,500.00	1,473.23	1,482.12	1,448.34	6.45	6.61	14.80	-297.99	38.72	75.31	64.73	10.58	7.117		
1,600.00	1,569.58	1,581.84	1,542.22	7.02	7.26	14.41	-331.24	43.87	82.68	71.27	11.41	7.249		
1,700.00	1,665.92	1,681.57	1,636.10	7.59	7.92	14.07	-364.48	49.03	90.05	77.82	12.23	7.362		
1,800.00	1,762.27	1,781.30	1,729.98	8.16	8.57	13.79	-397.73	54.18	97.42	84.36	13.06	7.459		
1,900.00	1,858.62	1,881.03	1,823.86	8.73	9.24	13.55	-430.97	59.33	104.80	90.90	13.89	7.543		
2,000.00	1,954.97	1,980.75	1,917.74	9.31	9.90	13.34	-464.22	64.48	112.17	97.45	14.73	7.617		
2,100.00	2,051.31	2,080.48	2,011.62	9.88	10.57	13.16	-497.47	69.63	119.55	103.99	15.56	7.683		
2,200.00	2,147.66	2,180.21	2,105.50	10.46	11.23	12.99	-530.71	74.78	126.93	110.53	16.40	7.741		
2,300.00	2,244.01	2,279.93	2,199.38	11.04	11.90	12.85	-563.96	79.94	134.31	117.07	17.23	7.793		
2,400.00	2,340.35	2,379.66	2,293.26	11.62	12.57	12.72	-597.21	85.09	141.69	123.62	18.07	7.840		
2,500.00	2,436.70	2,479.39	2,387.14	12.19	13.25	12.60	-630.45	90.24	149.07	130.16	18.91	7.883		
2,600.00	2,533.05	2,579.11	2,481.03	12.77	13.92	12.50	-663.70	95.39	156.45	136.70	19.75	7.922		
2,700.00	2,629.39	2,678.84	2,574.91	13.35	14.59	12.40	-696.95	100.54	163.83	143.24	20.59	7.957		
2,800.00	2,725.74	2,778.57	2,668.79	13.93	15.27	12.31	-730.19	105.70	171.21	149.78	21.43	7.989		
2,900.00	2,822.09	2,878.29	2,762.67	14.51	15.94	12.23	-763.44	110.85	178.60	156.33	22.27	8.019		
3,000.00	2,918.44	2,978.02	2,856.55	15.09	16.61	12.16	-796.68	116.00	185.98	162.87	23.11	8.047		
3,100.00	3,014.78	3,077.75	2,950.43	15.67	17.29	12.09	-829.93	121.15	193.36	169.41	23.95	8.072		
3,200.00	3,111.13	3,177.47	3,044.31	16.25	17.97	12.03	-863.18	126.30	200.75	175.95	24.80	8.096		
3,300.00	3,207.48	3,277.20	3,138.19	16.84	18.64	11.97	-896.42	131.45	208.13	182.49	25.64	8.118		
3,400.00	3,303.82	3,376.93	3,232.07	17.42	19.32	11.91	-929.67	136.61	215.51	189.03	26.48	8.138		
3,500.00	3,400.17	3,476.65	3,325.95	18.00	19.99	11.86	-962.92	141.76	222.90	195.57	27.32	8.157		
3,600.00	3,496.52	3,576.38	3,419.83	18.58	20.67	11.81	-996.16	146.91	230.28	202.11	28.17	8.175		
3,700.00	3,592.87	3,676.11	3,513.71	19.16	21.35	11.77	-1,029.41	152.06	237.67	208.66	29.01	8.192		
3,800.00	3,689.21	3,775.83	3,607.59	19.74	22.03	11.72	-1,062.65	157.21	245.05	215.20	29.85	8.208		
3,900.00	3,785.56	3,875.56	3,701.47	20.33	22.70	11.68	-1,095.90	162.36	252.44	221.74	30.70	8.223		
4,000.00	3,881.91	3,975.29	3,795.35	20.91	23.38	11.65	-1,129.15	167.52	259.82	228.28	31.54	8.237		
4,100.00	3,978.25	4,075.02	3,889.24	21.49	24.06	11.61	-1,162.39	172.67	267.21	234.82	32.39	8.250		
4,200.00	4,074.60	4,174.74	3,983.12	22.07	24.74	11.58	-1,195.64	177.82	274.59	241.36	33.23	8.263		
4,300.00	4,170.95	4,274.47	4,077.00	22.65	25.41	11.55	-1,228.89	182.97	281.98	247.90	34.08	8.275		
4,400.00	4,267.29	4,374.20	4,170.88	23.24	26.09	11.52	-1,262.13	188.12	289.36	254.44	34.92	8.286		
4,500.00	4,363.64	4,473.92	4,264.76	23.82	26.77	11.49	-1,295.38	193.27	296.75	260.98	35.76	8.297		
4,600.00	4,459.99	4,573.65	4,358.64	24.40	27.45	11.46	-1,328.63	198.43	304.13	267.52	36.61	8.307		
4,700.00	4,556.34	4,673.38	4,452.52	24.98	28.13	11.43	-1,361.87	203.58	311.52	274.06	37.45	8.317		
4,800.00	4,652.68	4,773.10	4,546.40	25.57	28.81	11.41	-1,395.12	208.73	318.90	280.60	38.30	8.327		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - PROSPER FARMS 4-65 14-13 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		
4,900.00	4,749.03	4,872.83	4,640.28	26.15	29.48	11.39	-1,428.36	213.88	326.29	287.14	39.14	8.336		
5,000.00	4,845.38	4,972.56	4,734.16	26.73	30.16	11.36	-1,461.61	219.03	333.67	293.68	39.99	8.344		
5,100.00	4,941.72	5,072.28	4,828.04	27.32	30.84	11.34	-1,494.86	224.18	341.06	300.22	40.83	8.352		
5,200.00	5,038.07	5,172.01	4,921.92	27.90	31.52	11.32	-1,528.10	229.34	348.44	306.76	41.68	8.360		
5,300.00	5,134.42	5,271.74	5,015.80	28.48	32.20	11.30	-1,561.35	234.49	355.83	313.31	42.53	8.368		
5,400.00	5,230.76	5,371.46	5,109.68	29.06	32.88	11.28	-1,594.60	239.64	363.22	319.85	43.37	8.375		
5,500.00	5,327.11	5,471.19	5,203.56	29.65	33.56	11.26	-1,627.84	244.79	370.60	326.39	44.22	8.382		
5,600.00	5,423.46	5,570.92	5,297.45	30.23	34.24	11.24	-1,661.09	249.94	377.99	332.93	45.06	8.388		
5,700.00	5,519.81	5,670.64	5,391.33	30.81	34.92	11.23	-1,694.34	255.09	385.37	339.47	45.91	8.395		
5,800.00	5,616.15	5,770.37	5,485.21	31.40	35.59	11.21	-1,727.58	260.25	392.76	346.01	46.75	8.401		
5,900.00	5,712.50	5,870.10	5,579.09	31.98	36.27	11.20	-1,760.83	265.40	400.14	352.55	47.60	8.407		
6,000.00	5,808.85	5,969.82	5,672.97	32.56	36.95	11.18	-1,794.07	270.55	407.53	359.09	48.44	8.412		
6,100.00	5,905.19	6,069.55	5,766.85	33.15	37.63	11.17	-1,827.32	275.70	414.92	365.63	49.29	8.418		
6,200.00	6,001.54	6,169.28	5,860.73	33.73	38.31	11.15	-1,860.57	280.85	422.30	372.17	50.14	8.423		
6,300.00	6,097.89	6,269.01	5,954.61	34.31	38.99	11.14	-1,893.81	286.00	429.69	378.71	50.98	8.428		
6,400.00	6,194.24	6,368.73	6,048.49	34.90	39.67	11.13	-1,927.06	291.16	437.07	385.25	51.83	8.433		
6,500.00	6,290.58	6,468.46	6,142.37	35.48	40.35	11.11	-1,960.31	296.31	444.46	391.79	52.67	8.438		
6,600.00	6,386.93	6,568.19	6,236.25	36.06	41.03	11.10	-1,993.55	301.46	451.85	398.33	53.52	8.443		
6,700.00	6,483.28	6,667.91	6,330.13	36.65	41.71	11.09	-2,026.80	306.61	459.23	404.87	54.37	8.447		
6,800.00	6,579.62	6,767.64	6,424.01	37.23	42.39	11.08	-2,060.05	311.76	466.62	411.41	55.21	8.452		
6,900.00	6,675.97	6,867.37	6,517.89	37.81	43.07	11.07	-2,093.29	316.92	474.01	417.95	56.06	8.456		
7,000.00	6,772.32	6,967.09	6,611.77	38.40	43.75	11.06	-2,126.54	322.07	481.39	424.49	56.90	8.460		
7,100.00	6,868.66	7,066.82	6,705.66	38.98	44.43	11.04	-2,159.78	327.22	488.78	431.03	57.75	8.464		
7,200.00	6,965.01	7,166.55	6,799.54	39.56	45.11	11.03	-2,193.03	332.37	496.16	437.57	58.60	8.468		
7,300.00	7,061.36	7,266.27	6,893.42	40.15	45.79	11.02	-2,226.28	337.52	503.55	444.11	59.44	8.471		
7,400.00	7,157.71	7,366.00	6,987.30	40.73	46.47	11.01	-2,259.52	342.67	510.94	450.65	60.29	8.475		
7,500.00	7,254.05	7,465.73	7,081.18	41.31	47.15	11.01	-2,292.77	347.83	518.32	457.19	61.13	8.478		
7,600.00	7,350.40	7,565.45	7,175.06	41.90	47.82	11.00	-2,326.02	352.98	525.71	463.73	61.98	8.482		
7,679.74	7,427.23	7,644.98	7,249.92	42.36	48.37	10.99	-2,352.53	357.09	531.60	468.94	62.66	8.484		
7,700.00	7,446.72	7,665.18	7,268.94	42.48	48.50	17.81	-2,359.26	358.13	533.09	470.26	62.84	8.484		
7,750.00	7,494.53	7,714.87	7,315.72	42.78	48.84	32.53	-2,375.83	360.70	536.77	473.41	63.36	8.472		
7,800.00	7,541.59	7,764.04	7,362.01	43.09	49.18	43.93	-2,392.22	363.24	540.49	476.50	63.99	8.446		
7,850.00	7,587.55	7,814.21	7,409.08	43.39	49.52	52.52	-2,408.91	367.77	544.35	479.61	64.74	8.408		
7,900.00	7,632.06	7,865.43	7,456.55	43.70	49.88	58.93	-2,425.80	376.87	548.29	482.74	65.55	8.364		
7,950.00	7,674.78	7,917.69	7,503.99	44.01	50.25	63.83	-2,442.73	390.77	552.28	485.87	66.41	8.316		
8,000.00	7,715.39	7,971.06	7,550.97	44.33	50.63	67.68	-2,459.55	409.62	556.27	488.98	67.30	8.266		
8,050.00	7,753.58	8,025.55	7,597.07	44.64	51.01	70.77	-2,476.10	433.58	560.22	492.02	68.20	8.215		
8,100.00	7,789.06	8,081.20	7,641.57	44.95	51.40	73.30	-2,492.19	462.73	564.07	494.97	69.09	8.164		
8,150.00	7,821.55	8,138.01	7,684.08	45.26	51.79	75.40	-2,507.61	497.08	567.75	497.79	69.96	8.115		
8,200.00	7,850.82	8,195.97	7,723.91	45.57	52.18	77.15	-2,522.14	536.56	571.22	500.43	70.79	8.069		
8,250.00	7,876.63	8,255.04	7,760.41	45.89	52.58	78.60	-2,535.55	581.00	574.41	502.84	71.57	8.026		
8,300.00	7,898.79	8,315.17	7,792.91	46.21	52.96	79.80	-2,547.60	630.09	577.26	504.95	72.31	7.983		
8,350.00	7,917.13	8,376.25	7,820.77	46.53	53.36	80.77	-2,558.06	683.40	579.72	506.71	73.00	7.941		
8,400.00	7,931.52	8,438.19	7,843.39	46.86	53.75	81.53	-2,566.70	740.37	581.73	508.05	73.67	7.896		
8,450.00	7,941.84	8,500.82	7,860.22	47.20	54.14	82.09	-2,573.34	800.30	583.24	508.91	74.33	7.847		
8,500.00	7,948.02	8,563.98	7,870.84	47.54	54.53	82.46	-2,577.80	862.37	584.23	509.23	75.00	7.789		
8,548.56	7,950.00	8,625.64	7,874.93	47.88	54.90	82.63	-2,579.95	923.83	584.67	508.99	75.68	7.726		
8,600.00	7,950.00	8,679.12	7,875.00	48.26	55.23	82.64	-2,580.59	977.31	584.68	507.75	76.93	7.600		
8,700.00	7,950.00	8,779.12	7,875.00	49.08	55.91	82.64	-2,581.73	1,077.31	584.68	504.96	79.72	7.334		
8,800.00	7,950.00	8,879.12	7,875.00	50.02	56.67	82.64	-2,582.87	1,177.30	584.68	501.92	82.76	7.065		
8,900.00	7,950.00	8,979.12	7,875.00	51.07	57.54	82.64	-2,584.01	1,277.29	584.68	498.66	86.02	6.797		
9,000.00	7,950.00	9,079.12	7,875.00	52.25	58.50	82.64	-2,585.16	1,377.29	584.68	495.19	89.49	6.534		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - PROSPER FARMS 4-65 14-13 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		
9,100.00	7,950.00	9,179.12	7,875.00	53.55	59.57	82.64	-2,586.30	1,477.28	584.68	491.55	93.13	6.278		
9,200.00	7,950.00	9,279.12	7,875.00	54.97	60.75	82.64	-2,587.44	1,577.27	584.68	487.75	96.93	6.032		
9,300.00	7,950.00	9,379.12	7,875.00	56.50	62.02	82.64	-2,588.58	1,677.27	584.69	483.81	100.87	5.796		
9,400.00	7,950.00	9,479.12	7,875.00	58.13	63.40	82.64	-2,589.73	1,777.26	584.69	479.74	104.94	5.572		
9,500.00	7,950.00	9,579.12	7,875.00	59.85	64.87	82.64	-2,590.87	1,877.25	584.69	475.57	109.12	5.358		
9,600.00	7,950.00	9,679.12	7,875.00	61.66	66.44	82.64	-2,592.01	1,977.25	584.69	471.29	113.39	5.156		
9,700.00	7,950.00	9,779.12	7,875.00	63.55	68.09	82.64	-2,593.16	2,077.24	584.69	466.93	117.76	4.965		
9,800.00	7,950.00	9,879.12	7,875.00	65.51	69.83	82.64	-2,594.30	2,177.23	584.69	462.49	122.20	4.785		
9,900.00	7,950.00	9,979.12	7,875.00	67.52	71.64	82.64	-2,595.44	2,277.23	584.69	457.98	126.71	4.614		
10,000.00	7,950.00	10,079.12	7,875.00	69.60	73.51	82.64	-2,596.58	2,377.22	584.69	453.41	131.28	4.454		
10,100.00	7,950.00	10,179.12	7,875.00	71.72	75.45	82.64	-2,597.73	2,477.21	584.69	448.78	135.91	4.302		
10,200.00	7,950.00	10,279.12	7,875.00	73.89	77.45	82.64	-2,598.87	2,577.21	584.69	444.10	140.59	4.159		
10,300.00	7,950.00	10,379.12	7,875.00	76.09	79.50	82.64	-2,600.01	2,677.20	584.69	439.37	145.32	4.023		
10,400.00	7,950.00	10,479.12	7,875.00	78.34	81.59	82.64	-2,601.15	2,777.19	584.69	434.60	150.09	3.896		
10,500.00	7,950.00	10,579.12	7,875.00	80.61	83.73	82.64	-2,602.30	2,877.19	584.69	429.79	154.90	3.775		
10,600.00	7,950.00	10,679.12	7,875.00	82.91	85.90	82.64	-2,603.44	2,977.18	584.69	424.95	159.74	3.660		
10,700.00	7,950.00	10,779.12	7,875.00	85.24	88.12	82.64	-2,604.58	3,077.17	584.69	420.08	164.61	3.552		
10,800.00	7,950.00	10,879.12	7,875.00	87.60	90.36	82.64	-2,605.73	3,177.17	584.69	415.18	169.51	3.449		
10,900.00	7,950.00	10,979.12	7,875.00	89.97	92.63	82.64	-2,606.87	3,277.16	584.69	410.25	174.44	3.352		
11,000.00	7,950.00	11,079.12	7,875.00	92.37	94.93	82.64	-2,608.01	3,377.16	584.69	405.30	179.39	3.259		
11,100.00	7,950.00	11,179.12	7,875.00	94.78	97.25	82.64	-2,609.15	3,477.15	584.69	400.33	184.36	3.171		
11,200.00	7,950.00	11,279.12	7,875.00	97.21	99.60	82.64	-2,610.30	3,577.14	584.69	395.34	189.35	3.088		
11,300.00	7,950.00	11,379.12	7,875.00	99.65	101.96	82.64	-2,611.44	3,677.14	584.69	390.33	194.37	3.008		
11,400.00	7,950.00	11,479.12	7,875.00	102.11	104.34	82.64	-2,612.58	3,777.13	584.69	385.30	199.40	2.932		
11,500.00	7,950.00	11,579.12	7,875.00	104.58	106.75	82.64	-2,613.73	3,877.12	584.69	380.25	204.44	2.860		
11,600.00	7,950.00	11,679.12	7,875.00	107.07	109.16	82.64	-2,614.87	3,977.12	584.69	375.19	209.50	2.791		
11,700.00	7,950.00	11,779.12	7,875.00	109.56	111.59	82.64	-2,616.01	4,077.11	584.69	370.11	214.58	2.725		
11,800.00	7,950.00	11,879.12	7,875.00	112.07	114.04	82.64	-2,617.15	4,177.10	584.69	365.03	219.67	2.662		
11,900.00	7,950.00	11,979.12	7,875.00	114.58	116.50	82.64	-2,618.30	4,277.10	584.69	359.93	224.77	2.601		
12,000.00	7,950.00	12,079.12	7,875.00	117.10	118.97	82.64	-2,619.44	4,377.09	584.70	354.82	229.88	2.544		
12,100.00	7,950.00	12,179.12	7,875.00	119.63	121.45	82.64	-2,620.58	4,477.08	584.70	349.70	235.00	2.488		
12,200.00	7,950.00	12,279.12	7,875.00	122.17	123.94	82.64	-2,621.72	4,577.08	584.70	344.56	240.13	2.435		
12,300.00	7,950.00	12,379.12	7,875.00	124.72	126.43	82.64	-2,622.87	4,677.07	584.70	339.42	245.27	2.384		
12,400.00	7,950.00	12,479.12	7,875.00	127.27	128.94	82.64	-2,624.01	4,777.06	584.70	334.28	250.42	2.335		
12,500.00	7,950.00	12,579.12	7,875.00	129.82	131.46	82.64	-2,625.15	4,877.06	584.70	329.12	255.58	2.288		
12,600.00	7,950.00	12,679.12	7,875.00	132.39	133.98	82.64	-2,626.30	4,977.05	584.70	323.95	260.74	2.242		
12,700.00	7,950.00	12,779.12	7,875.00	134.96	136.51	82.64	-2,627.44	5,077.04	584.70	318.78	265.92	2.199		
12,800.00	7,950.00	12,879.12	7,875.00	137.53	139.05	82.64	-2,628.58	5,177.04	584.70	313.60	271.10	2.157		
12,900.00	7,950.00	12,979.12	7,875.00	140.11	141.60	82.64	-2,629.72	5,277.03	584.70	308.42	276.28	2.116		
13,000.00	7,950.00	13,079.12	7,875.00	142.69	144.15	82.64	-2,630.87	5,377.02	584.70	303.23	281.47	2.077		
13,100.00	7,950.00	13,179.12	7,875.00	145.28	146.70	82.64	-2,632.01	5,477.02	584.70	298.03	286.67	2.040		
13,200.00	7,950.00	13,279.12	7,875.00	147.87	149.27	82.64	-2,633.15	5,577.01	584.70	292.83	291.87	2.003		
13,300.00	7,950.00	13,379.12	7,875.00	150.47	151.83	82.64	-2,634.29	5,677.01	584.70	287.62	297.08	1.968		
13,400.00	7,950.00	13,479.12	7,875.00	153.07	154.40	82.64	-2,635.44	5,777.00	584.70	282.41	302.29	1.934		
13,500.00	7,950.00	13,579.12	7,875.00	155.67	156.98	82.64	-2,636.58	5,876.99	584.70	277.19	307.51	1.901		
13,600.00	7,950.00	13,679.12	7,875.00	158.28	159.56	82.64	-2,637.72	5,976.99	584.70	271.97	312.73	1.870		
13,700.00	7,950.00	13,779.12	7,875.00	160.88	162.14	82.64	-2,638.87	6,076.98	584.70	266.74	317.96	1.839		
13,800.00	7,950.00	13,879.12	7,875.00	163.50	164.73	82.64	-2,640.01	6,176.97	584.70	261.51	323.19	1.809		
13,900.00	7,950.00	13,979.12	7,875.00	166.11	167.32	82.64	-2,641.15	6,276.97	584.70	256.28	328.42	1.780		
14,000.00	7,950.00	14,079.12	7,875.00	168.73	169.92	82.64	-2,642.29	6,376.96	584.70	251.04	333.66	1.752		
14,100.00	7,950.00	14,179.12	7,875.00	171.35	172.51	82.64	-2,643.44	6,476.95	584.70	245.80	338.90	1.725		
14,200.00	7,950.00	14,279.12	7,875.00	173.97	175.12	82.64	-2,644.58	6,576.95	584.70	240.56	344.14	1.699		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - PROSPER FARMS 4-65 14-13 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							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,300.00	7,950.00	14,379.12	7,875.00	176.59	177.72	82.64	-2,645.72	6,676.94	584.70	235.31	349.39	1.673	
14,400.00	7,950.00	14,479.12	7,875.00	179.22	180.33	82.64	-2,646.86	6,776.93	584.70	230.06	354.64	1.649	
14,500.00	7,950.00	14,579.12	7,875.00	181.85	182.94	82.64	-2,648.01	6,876.93	584.70	224.81	359.89	1.625	
14,600.00	7,950.00	14,679.12	7,875.00	184.48	185.55	82.64	-2,649.15	6,976.92	584.70	219.56	365.15	1.601	
14,700.00	7,950.00	14,779.12	7,875.00	187.11	188.16	82.64	-2,650.29	7,076.91	584.71	214.30	370.41	1.579	
14,800.00	7,950.00	14,879.12	7,875.00	189.75	190.78	82.64	-2,651.44	7,176.91	584.71	209.04	375.67	1.556	
14,900.00	7,950.00	14,979.12	7,875.00	192.38	193.40	82.64	-2,652.58	7,276.90	584.71	203.77	380.93	1.535	
15,000.00	7,950.00	15,079.12	7,875.00	195.02	196.02	82.64	-2,653.72	7,376.89	584.71	198.51	386.20	1.514	
15,100.00	7,950.00	15,179.12	7,875.00	197.66	198.64	82.64	-2,654.86	7,476.89	584.71	193.24	391.46	1.494 Level 3	
15,200.00	7,950.00	15,279.12	7,875.00	200.30	201.27	82.64	-2,656.01	7,576.88	584.71	187.97	396.73	1.474 Level 3	
15,300.00	7,950.00	15,379.12	7,875.00	202.94	203.90	82.64	-2,657.15	7,676.87	584.71	182.70	402.01	1.454 Level 3	
15,400.00	7,950.00	15,479.12	7,875.00	205.59	206.53	82.64	-2,658.29	7,776.87	584.71	177.43	407.28	1.436 Level 3	
15,500.00	7,950.00	15,579.12	7,875.00	208.23	209.16	82.64	-2,659.43	7,876.86	584.71	172.15	412.56	1.417 Level 3	
15,600.00	7,950.00	15,679.12	7,875.00	210.88	211.79	82.64	-2,660.58	7,976.85	584.71	166.87	417.83	1.399 Level 3	
15,700.00	7,950.00	15,779.12	7,875.00	213.52	214.42	82.64	-2,661.72	8,076.85	584.71	161.60	423.11	1.382 Level 3	
15,800.00	7,950.00	15,879.12	7,875.00	216.17	217.06	82.64	-2,662.86	8,176.84	584.71	156.31	428.39	1.365 Level 3	
15,900.00	7,950.00	15,979.12	7,875.00	218.82	219.70	82.64	-2,664.01	8,276.84	584.71	151.03	433.68	1.348 Level 3	
16,000.00	7,950.00	16,079.12	7,875.00	221.47	222.34	82.64	-2,665.15	8,376.83	584.71	145.75	438.96	1.332 Level 3	
16,100.00	7,950.00	16,179.12	7,875.00	224.13	224.98	82.64	-2,666.29	8,476.82	584.71	140.46	444.25	1.316 Level 3	
16,200.00	7,950.00	16,279.12	7,875.00	226.78	227.62	82.64	-2,667.43	8,576.82	584.71	135.18	449.53	1.301 Level 3	
16,300.00	7,950.00	16,379.12	7,875.00	229.43	230.26	82.64	-2,668.58	8,676.81	584.71	129.89	454.82	1.286 Level 3	
16,400.00	7,950.00	16,479.12	7,875.00	232.09	232.91	82.64	-2,669.72	8,776.80	584.71	124.60	460.11	1.271 Level 3	
16,500.00	7,950.00	16,579.12	7,875.00	234.75	235.55	82.64	-2,670.86	8,876.80	584.71	119.31	465.40	1.256 Level 3	
16,600.00	7,950.00	16,679.12	7,875.00	237.40	238.20	82.64	-2,672.01	8,976.79	584.71	114.02	470.70	1.242 Level 2	
16,700.00	7,950.00	16,779.12	7,875.00	240.06	240.84	82.64	-2,673.15	9,076.78	584.71	108.72	475.99	1.228 Level 2	
16,800.00	7,950.00	16,879.12	7,875.00	242.72	243.49	82.64	-2,674.29	9,176.78	584.71	103.43	481.29	1.215 Level 2	
16,900.00	7,950.00	16,979.12	7,875.00	245.38	246.14	82.64	-2,675.43	9,276.77	584.71	98.13	486.58	1.202 Level 2	
17,000.00	7,950.00	17,079.12	7,875.00	248.04	248.79	82.64	-2,676.58	9,376.76	584.71	92.83	491.88	1.189 Level 2	
17,100.00	7,950.00	17,179.12	7,875.00	250.70	251.45	82.64	-2,677.72	9,476.76	584.71	87.54	497.18	1.176 Level 2	
17,200.00	7,950.00	17,279.12	7,875.00	253.36	254.10	82.64	-2,678.86	9,576.75	584.71	82.24	502.48	1.164 Level 2	
17,300.00	7,950.00	17,379.12	7,875.00	256.02	256.75	82.64	-2,680.00	9,676.74	584.71	76.94	507.78	1.152 Level 2	
17,400.00	7,950.00	17,479.12	7,875.00	258.69	259.41	82.64	-2,681.15	9,776.74	584.72	71.64	513.08	1.140 Level 2	
17,500.00	7,950.00	17,579.12	7,875.00	261.35	262.06	82.64	-2,682.29	9,876.73	584.72	66.34	518.38	1.128 Level 2	
17,600.00	7,950.00	17,679.12	7,875.00	264.01	264.72	82.64	-2,683.43	9,976.72	584.72	61.03	523.68	1.117 Level 2	
17,700.00	7,950.00	17,779.12	7,875.00	266.68	267.37	82.64	-2,684.58	10,076.72	584.72	55.73	528.99	1.105 Level 2	
17,800.00	7,950.00	17,879.12	7,875.00	269.34	270.03	82.64	-2,685.72	10,176.71	584.72	50.42	534.29	1.094 Level 2	
17,900.00	7,950.00	17,979.12	7,875.00	272.01	272.69	82.64	-2,686.86	10,276.70	584.72	45.12	539.60	1.084 Level 2	
18,000.00	7,950.00	18,079.12	7,875.00	274.68	275.35	82.64	-2,688.00	10,376.70	584.72	39.81	544.90	1.073 Level 2	
18,100.00	7,950.00	18,179.12	7,875.00	277.34	278.01	82.64	-2,689.15	10,476.69	584.72	34.51	550.21	1.063 Level 2	
18,200.00	7,950.00	18,279.12	7,875.00	280.01	280.67	82.64	-2,690.29	10,576.69	584.72	29.20	555.52	1.053 Level 2	
18,300.00	7,950.00	18,379.12	7,875.00	282.68	283.33	82.64	-2,691.43	10,676.68	584.72	23.89	560.83	1.043 Level 2	
18,400.00	7,950.00	18,479.12	7,875.00	285.35	285.99	82.64	-2,692.57	10,776.67	584.72	18.58	566.14	1.033 Level 2	
18,456.97	7,950.00	18,536.10	7,875.00	286.87	287.51	82.64	-2,693.23	10,833.64	584.72	15.56	569.16	1.027 Level 2, ES, SF	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - PROSPER FARMS 4-65 14-13 4BH - 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	179.84	-99.81	0.28	99.81					
100.00	100.00	100.10	99.90	0.13	0.13	179.84	-99.81	0.28	99.81	99.54	0.27	370.747		
200.00	200.00	200.10	199.90	0.49	0.49	179.84	-99.81	0.28	99.81	98.82	0.99	101.211		
250.00	250.00	249.90	249.90	0.67	0.67	179.84	-99.81	0.28	99.81	98.47	1.34	74.268		
300.00	300.00	298.23	298.23	0.84	0.84	10.92	-100.21	0.33	99.80	98.12	1.68	59.373		
400.00	399.93	394.89	394.83	1.18	1.17	11.05	-103.44	0.75	99.72	97.37	2.35	42.490		
500.00	499.68	491.56	491.27	1.54	1.51	11.32	-109.90	1.58	99.55	96.52	3.03	32.851		
600.00	599.13	588.23	587.44	1.91	1.87	11.73	-119.59	2.82	99.32	95.60	3.72	26.675		
700.00	698.15	684.91	683.24	2.31	2.25	12.27	-132.49	4.47	99.02	94.59	4.42	22.381		
800.00	796.63	781.61	778.56	2.74	2.66	12.95	-148.59	6.54	98.65	93.52	5.13	19.217		
900.00	894.44	878.32	873.30	3.20	3.10	13.77	-167.88	9.01	98.23	92.38	5.85	16.781		
1,000.00	991.46	975.05	967.34	3.70	3.58	14.73	-190.33	11.89	97.78	91.19	6.59	14.839		
1,026.71	1,017.23	1,000.89	992.33	3.84	3.71	15.01	-196.86	12.73	97.65	90.86	6.79	14.389		
1,041.14	1,031.13	1,014.86	1,005.80	3.92	3.78	15.16	-200.48	13.19	97.61	90.71	6.90	14.148 CC, ES		
1,100.00	1,087.84	1,071.80	1,060.58	4.23	4.09	15.69	-215.92	15.17	98.19	90.86	7.33	13.387		
1,200.00	1,184.19	1,168.44	1,152.79	4.78	4.64	16.25	-244.59	18.85	101.81	93.71	8.09	12.577		
1,300.00	1,280.54	1,264.75	1,243.67	5.33	5.23	16.37	-276.21	22.90	108.71	99.85	8.86	12.274		
1,400.00	1,376.88	1,360.53	1,332.92	5.89	5.86	16.14	-310.65	27.32	118.87	109.25	9.61	12.364		
1,500.00	1,473.23	1,457.10	1,421.78	6.45	6.53	15.65	-348.14	32.13	132.05	121.66	10.39	12.709		
1,600.00	1,569.58	1,556.13	1,512.65	7.02	7.25	15.19	-387.20	37.14	145.91	134.69	11.22	13.002		
1,700.00	1,665.92	1,655.16	1,603.51	7.59	7.97	14.81	-426.25	42.14	159.77	147.71	12.06	13.250		
1,800.00	1,762.27	1,754.19	1,694.38	8.16	8.70	14.49	-465.30	47.15	173.64	160.74	12.90	13.462		
1,900.00	1,858.62	1,853.21	1,785.24	8.73	9.44	14.22	-504.36	52.16	187.51	173.77	13.74	13.645		
2,000.00	1,954.97	1,952.24	1,876.11	9.31	10.18	13.98	-543.41	57.17	201.38	186.80	14.59	13.805		
2,100.00	2,051.31	2,051.27	1,966.98	9.88	10.92	13.78	-582.47	62.18	215.26	199.83	15.44	13.945		
2,200.00	2,147.66	2,150.30	2,057.84	10.46	11.67	13.60	-621.52	67.19	229.14	212.86	16.29	14.069		
2,300.00	2,244.01	2,249.33	2,148.71	11.04	12.42	13.44	-660.58	72.20	243.03	225.89	17.14	14.179		
2,400.00	2,340.35	2,348.36	2,239.57	11.62	13.17	13.29	-699.63	77.20	256.91	238.92	17.99	14.278		
2,500.00	2,436.70	2,447.39	2,330.44	12.19	13.92	13.17	-738.69	82.21	270.80	251.95	18.85	14.367		
2,600.00	2,533.05	2,546.42	2,421.30	12.77	14.68	13.05	-777.74	87.22	284.69	264.98	19.70	14.448		
2,700.00	2,629.39	2,645.45	2,512.17	13.35	15.43	12.95	-816.79	92.23	298.57	278.01	20.56	14.521		
2,800.00	2,725.74	2,744.48	2,603.03	13.93	16.19	12.85	-855.85	97.24	312.46	291.04	21.42	14.588		
2,900.00	2,822.09	2,843.51	2,693.90	14.51	16.94	12.76	-894.90	102.25	326.35	304.08	22.28	14.650		
3,000.00	2,918.44	2,942.54	2,784.76	15.09	17.70	12.68	-933.96	107.25	340.24	317.11	23.14	14.706		
3,100.00	3,014.78	3,041.57	2,875.63	15.67	18.46	12.61	-973.01	112.26	354.13	330.14	24.00	14.758		
3,200.00	3,111.13	3,140.60	2,966.49	16.25	19.22	12.54	-1,012.07	117.27	368.03	343.17	24.86	14.806		
3,300.00	3,207.48	3,239.63	3,057.36	16.84	19.98	12.48	-1,051.12	122.28	381.92	356.20	25.72	14.851		
3,400.00	3,303.82	3,338.66	3,148.22	17.42	20.74	12.42	-1,090.18	127.29	395.81	369.23	26.58	14.893		
3,500.00	3,400.17	3,437.69	3,239.09	18.00	21.50	12.37	-1,129.23	132.30	409.70	382.27	27.44	14.932		
3,600.00	3,496.52	3,536.72	3,329.96	18.58	22.26	12.31	-1,168.28	137.30	423.60	395.30	28.30	14.968		
3,700.00	3,592.87	3,635.75	3,420.82	19.16	23.02	12.27	-1,207.34	142.31	437.49	408.33	29.16	15.002		
3,800.00	3,689.21	3,734.78	3,511.69	19.74	23.78	12.22	-1,246.39	147.32	451.38	421.36	30.02	15.034		
3,900.00	3,785.56	3,833.80	3,602.55	20.33	24.54	12.18	-1,285.45	152.33	465.28	434.39	30.89	15.064		
4,000.00	3,881.91	3,932.83	3,693.42	20.91	25.30	12.14	-1,324.50	157.34	479.17	447.42	31.75	15.092		
4,100.00	3,978.25	4,031.86	3,784.28	21.49	26.06	12.10	-1,363.56	162.35	493.07	460.46	32.61	15.119		
4,200.00	4,074.60	4,130.89	3,875.15	22.07	26.83	12.07	-1,402.61	167.36	506.96	473.49	33.48	15.144		
4,300.00	4,170.95	4,229.92	3,966.01	22.65	27.59	12.03	-1,441.67	172.36	520.86	486.52	34.34	15.168		
4,400.00	4,267.29	4,328.95	4,056.88	23.24	28.35	12.00	-1,480.72	177.37	534.75	499.55	35.20	15.190		
4,500.00	4,363.64	4,427.98	4,147.74	23.82	29.11	11.97	-1,519.77	182.38	548.65	512.58	36.07	15.212		
4,600.00	4,459.99	4,527.01	4,238.61	24.40	29.87	11.94	-1,558.83	187.39	562.54	525.61	36.93	15.232		
4,700.00	4,556.34	4,626.04	4,329.47	24.98	30.64	11.91	-1,597.88	192.40	576.44	538.64	37.80	15.252		
4,800.00	4,652.68	4,725.07	4,420.34	25.57	31.40	11.89	-1,636.94	197.41	590.34	551.68	38.66	15.270		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - PROSPER FARMS 4-65 14-13 4BH - 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		
4,900.00	4,749.03	4,824.10	4,511.20	26.15	32.16	11.86	-1,675.99	202.41	604.23	564.71	39.52	15.288		
5,000.00	4,845.38	4,923.13	4,602.07	26.73	32.93	11.84	-1,715.05	207.42	618.13	577.74	40.39	15.305		
5,100.00	4,941.72	5,022.16	4,692.93	27.32	33.69	11.82	-1,754.10	212.43	632.02	590.77	41.25	15.321		
5,200.00	5,038.07	5,121.19	4,783.80	27.90	34.45	11.80	-1,793.16	217.44	645.92	603.80	42.12	15.336		
5,300.00	5,134.42	5,220.22	4,874.67	28.48	35.22	11.77	-1,832.21	222.45	659.82	616.83	42.98	15.351		
5,400.00	5,230.76	5,319.25	4,965.53	29.06	35.98	11.75	-1,871.26	227.46	673.71	629.86	43.85	15.365		
5,500.00	5,327.11	5,418.28	5,056.40	29.65	36.74	11.74	-1,910.32	232.46	687.61	642.90	44.71	15.378		
5,600.00	5,423.46	5,517.31	5,147.26	30.23	37.51	11.72	-1,949.37	237.47	701.50	655.93	45.58	15.391		
5,700.00	5,519.81	5,616.34	5,238.13	30.81	38.27	11.70	-1,988.43	242.48	715.40	668.96	46.44	15.404		
5,800.00	5,616.15	5,715.36	5,328.99	31.40	39.03	11.68	-2,027.48	247.49	729.30	681.99	47.31	15.416		
5,900.00	5,712.50	5,814.39	5,419.86	31.98	39.80	11.67	-2,066.54	252.50	743.19	695.02	48.17	15.427		
6,000.00	5,808.85	5,913.42	5,510.72	32.56	40.56	11.65	-2,105.59	257.51	757.09	708.05	49.04	15.439		
6,100.00	5,905.19	6,012.45	5,601.59	33.15	41.32	11.63	-2,144.65	262.52	770.99	721.08	49.90	15.449		
6,200.00	6,001.54	6,111.48	5,692.45	33.73	42.09	11.62	-2,183.70	267.52	784.89	734.11	50.77	15.460		
6,300.00	6,097.89	6,210.51	5,783.32	34.31	42.85	11.61	-2,222.75	272.53	798.78	747.15	51.64	15.469		
6,400.00	6,194.24	6,309.54	5,874.18	34.90	43.62	11.59	-2,261.81	277.54	812.68	760.18	52.50	15.479		
6,500.00	6,290.58	6,408.57	5,965.05	35.48	44.38	11.58	-2,300.86	282.55	826.58	773.21	53.37	15.488		
6,600.00	6,386.93	6,507.60	6,055.91	36.06	45.14	11.57	-2,339.92	287.56	840.47	786.24	54.23	15.497		
6,700.00	6,483.28	6,606.63	6,146.78	36.65	45.91	11.55	-2,378.97	292.57	854.37	799.27	55.10	15.506		
6,800.00	6,579.62	6,705.66	6,237.65	37.23	46.67	11.54	-2,418.03	297.57	868.27	812.30	55.97	15.514		
6,900.00	6,675.97	6,804.69	6,328.51	37.81	47.44	11.53	-2,457.08	302.58	882.16	825.33	56.83	15.522		
7,000.00	6,772.32	6,903.72	6,419.38	38.40	48.20	11.52	-2,496.14	307.59	896.06	838.36	57.70	15.530		
7,100.00	6,868.66	7,002.75	6,510.24	38.98	48.96	11.51	-2,535.19	312.60	909.96	851.39	58.56	15.538		
7,200.00	6,965.01	7,101.78	6,601.11	39.56	49.73	11.50	-2,574.24	317.61	923.86	864.43	59.43	15.545		
7,300.00	7,061.36	7,200.81	6,691.97	40.15	50.49	11.49	-2,613.30	322.62	937.75	877.46	60.30	15.552		
7,400.00	7,157.71	7,299.84	6,782.84	40.73	51.26	11.48	-2,652.35	327.62	951.65	890.49	61.16	15.559		
7,500.00	7,254.05	7,401.13	6,873.70	41.31	52.04	11.47	-2,691.41	332.63	965.55	903.51	62.04	15.563		
7,600.00	7,350.40	7,502.10	6,964.57	41.90	52.82	11.46	-2,730.46	337.64	979.44	916.53	62.92	15.568		
7,679.74	7,427.23	7,576.86	7,037.03	42.36	53.40	11.45	-2,761.60	341.64	990.53	926.94	63.59	15.578		
7,700.00	7,446.72	7,603.08	7,055.43	42.48	53.60	18.12	-2,769.51	342.65	993.34	929.55	63.80	15.571		
7,750.00	7,494.53	7,646.27	7,100.71	42.78	53.93	32.31	-2,788.98	345.15	1,000.29	936.02	64.26	15.566		
7,800.00	7,541.59	7,704.90	7,145.51	43.09	54.38	42.99	-2,808.23	347.61	1,007.23	942.35	64.87	15.527		
7,850.00	7,587.55	7,743.03	7,189.49	43.39	54.68	50.82	-2,827.14	350.04	1,014.21	948.75	65.46	15.492		
7,900.00	7,632.06	7,789.70	7,232.32	43.70	55.04	56.66	-2,845.54	352.40	1,021.34	955.15	66.19	15.430		
7,950.00	7,674.78	7,834.76	7,273.66	44.01	55.39	61.14	-2,863.31	354.68	1,028.75	961.72	67.02	15.349		
8,000.00	7,715.39	7,877.86	7,313.21	44.33	55.72	64.68	-2,880.31	356.86	1,036.61	968.63	67.98	15.249		
8,050.00	7,753.58	7,918.68	7,350.66	44.64	56.03	67.51	-2,896.41	358.92	1,045.12	976.05	69.07	15.132		
8,100.00	7,789.06	7,956.89	7,385.73	44.95	56.33	69.77	-2,911.48	360.86	1,054.47	984.16	70.31	14.998		
8,150.00	7,821.55	7,992.23	7,418.14	45.26	56.60	71.54	-2,925.41	362.64	1,064.88	993.17	71.71	14.850		
8,200.00	7,850.82	8,024.40	7,447.67	45.57	56.85	72.84	-2,938.10	364.27	1,076.52	1,003.25	73.27	14.693		
8,250.00	7,876.63	8,074.34	7,493.36	45.89	57.24	74.58	-2,957.76	368.54	1,089.33	1,014.19	75.14	14.497		
8,300.00	7,898.79	8,136.43	7,549.39	46.21	57.73	76.51	-2,981.93	379.83	1,102.84	1,025.75	77.09	14.306		
8,350.00	7,917.13	8,350.00	7,595.86	46.53	59.43	77.74	-3,002.04	394.95	1,116.73	1,036.67	80.07	13.947		
8,400.00	7,931.52	8,306.76	7,693.62	46.86	59.07	81.17	-3,044.54	443.68	1,130.61	1,050.27	80.34	14.073		
8,450.00	7,941.84	8,433.69	7,786.33	47.20	60.01	84.23	-3,085.17	519.85	1,143.51	1,062.73	80.78	14.156		
8,500.00	7,948.02	8,607.47	7,883.71	47.54	61.21	87.56	-3,128.48	656.25	1,153.92	1,074.44	79.49	14.517		
8,548.56	7,950.00	8,826.31	7,945.88	47.88	62.52	89.80	-3,157.44	862.68	1,159.38	1,082.59	76.79	15.098		
8,600.00	7,950.00	8,934.98	7,950.00	48.26	63.10	90.00	-3,160.40	971.13	1,159.72	1,082.72	76.99	15.063		
8,700.00	7,950.00	9,034.98	7,950.00	49.08	63.67	90.00	-3,161.51	1,071.12	1,159.68	1,079.95	79.73	14.545		
8,800.00	7,950.00	9,134.98	7,950.00	50.02	64.32	90.00	-3,162.61	1,171.12	1,159.64	1,076.91	82.73	14.017		
8,900.00	7,950.00	9,234.98	7,950.00	51.07	65.04	90.00	-3,163.72	1,271.11	1,159.60	1,073.64	85.96	13.490		
9,000.00	7,950.00	9,334.98	7,950.00	52.25	65.84	90.00	-3,164.82	1,371.11	1,159.56	1,070.16	89.40	12.970		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - PROSPER FARMS 4-65 14-13 4BH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,100.00	7,950.00	9,434.98	7,950.00	53.55	66.73	90.00	-3,165.93	1,471.10	1,159.53	1,066.50	93.03	12.464		
9,200.00	7,950.00	9,534.98	7,950.00	54.97	67.70	90.00	-3,167.03	1,571.09	1,159.49	1,062.67	96.82	11.976		
9,300.00	7,950.00	9,634.98	7,950.00	56.50	68.76	90.00	-3,168.13	1,671.09	1,159.45	1,058.70	100.75	11.508		
9,400.00	7,950.00	9,734.98	7,950.00	58.13	69.92	90.00	-3,169.24	1,771.08	1,159.41	1,054.60	104.82	11.061		
9,500.00	7,950.00	9,834.98	7,950.00	59.85	71.16	90.00	-3,170.34	1,871.07	1,159.37	1,050.38	109.00	10.637		
9,600.00	7,950.00	9,934.98	7,950.00	61.66	72.49	90.00	-3,171.45	1,971.07	1,159.34	1,046.06	113.28	10.234		
9,700.00	7,950.00	10,034.98	7,950.00	63.55	73.90	90.00	-3,172.55	2,071.06	1,159.30	1,041.65	117.65	9.854		
9,800.00	7,950.00	10,134.98	7,950.00	65.51	75.40	90.00	-3,173.66	2,171.06	1,159.26	1,037.16	122.10	9.494		
9,900.00	7,950.00	10,234.98	7,950.00	67.52	76.98	90.00	-3,174.76	2,271.05	1,159.22	1,032.59	126.63	9.154		
10,000.00	7,950.00	10,334.98	7,950.00	69.60	78.63	90.00	-3,175.87	2,371.04	1,159.19	1,027.96	131.22	8.834		
10,100.00	7,950.00	10,434.98	7,950.00	71.72	80.36	90.00	-3,176.97	2,471.04	1,159.15	1,023.27	135.87	8.531		
10,200.00	7,950.00	10,534.98	7,950.00	73.89	82.15	90.00	-3,178.07	2,571.03	1,159.11	1,018.53	140.58	8.245		
10,300.00	7,950.00	10,634.98	7,950.00	76.09	84.00	90.00	-3,179.18	2,671.03	1,159.07	1,013.74	145.33	7.976		
10,400.00	7,950.00	10,734.98	7,950.00	78.34	85.91	90.00	-3,180.28	2,771.02	1,159.03	1,008.91	150.12	7.721		
10,500.00	7,950.00	10,834.98	7,950.00	80.61	87.88	90.00	-3,181.39	2,871.01	1,159.00	1,004.04	154.95	7.480		
10,600.00	7,950.00	10,934.98	7,950.00	82.91	89.89	90.00	-3,182.49	2,971.01	1,158.96	999.14	159.82	7.252		
10,700.00	7,950.00	11,034.98	7,950.00	85.24	91.94	90.00	-3,183.60	3,071.00	1,158.92	994.20	164.72	7.036		
10,800.00	7,950.00	11,134.98	7,950.00	87.60	94.04	90.00	-3,184.70	3,171.00	1,158.88	989.23	169.65	6.831		
10,900.00	7,950.00	11,234.98	7,950.00	89.97	96.18	90.00	-3,185.81	3,270.99	1,158.84	984.23	174.61	6.637		
11,000.00	7,950.00	11,334.98	7,950.00	92.37	98.35	90.00	-3,186.91	3,370.98	1,158.81	979.21	179.59	6.452		
11,100.00	7,950.00	11,434.98	7,950.00	94.78	100.55	90.00	-3,188.01	3,470.98	1,158.77	974.17	184.60	6.277		
11,200.00	7,950.00	11,534.98	7,950.00	97.21	102.78	90.00	-3,189.12	3,570.97	1,158.73	969.11	189.63	6.111		
11,300.00	7,950.00	11,634.98	7,950.00	99.65	105.04	90.00	-3,190.22	3,670.96	1,158.69	964.02	194.67	5.952		
11,400.00	7,950.00	11,734.98	7,950.00	102.11	107.32	90.00	-3,191.33	3,770.96	1,158.65	958.92	199.73	5.801		
11,500.00	7,950.00	11,834.98	7,950.00	104.58	109.63	90.00	-3,192.43	3,870.95	1,158.62	953.80	204.82	5.657		
11,600.00	7,950.00	11,934.98	7,950.00	107.07	111.96	90.00	-3,193.54	3,970.95	1,158.58	948.67	209.91	5.519		
11,700.00	7,950.00	12,034.98	7,950.00	109.56	114.30	90.00	-3,194.64	4,070.94	1,158.54	943.52	215.02	5.388		
11,800.00	7,950.00	12,134.98	7,950.00	112.07	116.67	90.00	-3,195.75	4,170.93	1,158.50	938.36	220.14	5.262		
11,900.00	7,950.00	12,234.98	7,950.00	114.58	119.05	90.00	-3,196.85	4,270.93	1,158.47	933.19	225.28	5.142		
12,000.00	7,950.00	12,334.98	7,950.00	117.10	121.45	90.00	-3,197.96	4,370.92	1,158.43	928.00	230.43	5.027		
12,100.00	7,950.00	12,434.98	7,950.00	119.63	123.86	90.00	-3,199.06	4,470.92	1,158.39	922.80	235.59	4.917		
12,200.00	7,950.00	12,534.98	7,950.00	122.17	126.28	90.00	-3,200.16	4,570.91	1,158.35	917.60	240.75	4.811		
12,300.00	7,950.00	12,634.98	7,950.00	124.72	128.72	90.00	-3,201.27	4,670.90	1,158.31	912.38	245.93	4.710		
12,400.00	7,950.00	12,734.98	7,950.00	127.27	131.17	90.00	-3,202.37	4,770.90	1,158.28	907.16	251.12	4.612		
12,500.00	7,950.00	12,834.98	7,950.00	129.82	133.63	90.00	-3,203.48	4,870.89	1,158.24	901.92	256.31	4.519		
12,600.00	7,950.00	12,934.98	7,950.00	132.39	136.10	90.00	-3,204.58	4,970.89	1,158.20	896.68	261.52	4.429		
12,700.00	7,950.00	13,034.98	7,950.00	134.96	138.58	90.00	-3,205.69	5,070.88	1,158.16	891.44	266.73	4.342		
12,800.00	7,950.00	13,134.98	7,950.00	137.53	141.07	90.00	-3,206.79	5,170.87	1,158.12	886.18	271.94	4.259		
12,900.00	7,950.00	13,234.98	7,950.00	140.11	143.57	90.00	-3,207.90	5,270.87	1,158.09	880.92	277.17	4.178		
13,000.00	7,950.00	13,334.98	7,950.00	142.69	146.08	90.00	-3,209.00	5,370.86	1,158.05	875.65	282.40	4.101		
13,100.00	7,950.00	13,434.98	7,950.00	145.28	148.59	90.00	-3,210.10	5,470.85	1,158.01	870.38	287.63	4.026		
13,200.00	7,950.00	13,534.98	7,950.00	147.87	151.11	90.00	-3,211.21	5,570.85	1,157.97	865.10	292.87	3.954		
13,300.00	7,950.00	13,634.98	7,950.00	150.47	153.64	90.00	-3,212.31	5,670.84	1,157.93	859.81	298.12	3.884		
13,400.00	7,950.00	13,734.98	7,950.00	153.07	156.17	90.00	-3,213.42	5,770.84	1,157.90	854.52	303.37	3.817		
13,500.00	7,950.00	13,834.98	7,950.00	155.67	158.71	90.00	-3,214.52	5,870.83	1,157.86	849.23	308.63	3.752		
13,600.00	7,950.00	13,934.98	7,950.00	158.28	161.25	90.00	-3,215.63	5,970.82	1,157.82	843.93	313.89	3.689		
13,700.00	7,950.00	14,034.98	7,950.00	160.88	163.80	90.00	-3,216.73	6,070.82	1,157.78	838.63	319.16	3.628		
13,800.00	7,950.00	14,134.98	7,950.00	163.50	166.36	90.00	-3,217.84	6,170.81	1,157.74	833.32	324.43	3.569		
13,900.00	7,950.00	14,234.98	7,950.00	166.11	168.92	90.00	-3,218.94	6,270.81	1,157.71	828.01	329.70	3.511		
14,000.00	7,950.00	14,334.98	7,950.00	168.73	171.48	90.00	-3,220.04	6,370.80	1,157.67	822.69	334.98	3.456		
14,100.00	7,950.00	14,434.98	7,950.00	171.35	174.05	90.00	-3,221.15	6,470.79	1,157.63	817.38	340.26	3.402		
14,200.00	7,950.00	14,534.98	7,950.00	173.97	176.63	90.00	-3,222.25	6,570.79	1,157.59	812.05	345.54	3.350		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - PROSPER FARMS 4-65 14-13 4BH - OWB - PROPOSAL 1													Offset Site Error: 0.00 usft	
Survey Program: 0-MWD OWSG													Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis		Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,950.00	14,634.98	7,950.00	176.59	179.20	90.00	-3,223.36	6,670.78	1,157.56	806.73	350.83	3.300		
14,400.00	7,950.00	14,734.98	7,950.00	179.22	181.78	90.00	-3,224.46	6,770.78	1,157.52	801.40	356.12	3.250		
14,500.00	7,950.00	14,834.98	7,950.00	181.85	184.37	90.00	-3,225.57	6,870.77	1,157.48	796.07	361.41	3.203		
14,600.00	7,950.00	14,934.98	7,950.00	184.48	186.96	90.00	-3,226.67	6,970.76	1,157.44	790.74	366.71	3.156		
14,700.00	7,950.00	15,034.98	7,950.00	187.11	189.55	90.00	-3,227.78	7,070.76	1,157.40	785.40	372.00	3.111		
14,800.00	7,950.00	15,134.98	7,950.00	189.75	192.14	90.00	-3,228.88	7,170.75	1,157.37	780.06	377.30	3.067		
14,900.00	7,950.00	15,234.98	7,950.00	192.38	194.74	90.00	-3,229.98	7,270.74	1,157.33	774.72	382.61	3.025		
15,000.00	7,950.00	15,334.98	7,950.00	195.02	197.34	90.00	-3,231.09	7,370.74	1,157.29	769.38	387.91	2.983		
15,100.00	7,950.00	15,434.98	7,950.00	197.66	199.94	90.00	-3,232.19	7,470.73	1,157.25	764.03	393.22	2.943		
15,200.00	7,950.00	15,534.98	7,950.00	200.30	202.55	90.00	-3,233.30	7,570.73	1,157.21	758.68	398.53	2.904		
15,300.00	7,950.00	15,634.98	7,950.00	202.94	205.15	90.00	-3,234.40	7,670.72	1,157.18	753.33	403.85	2.865		
15,400.00	7,950.00	15,734.98	7,950.00	205.59	207.76	90.00	-3,235.51	7,770.71	1,157.14	747.98	409.16	2.828		
15,500.00	7,950.00	15,834.98	7,950.00	208.23	210.38	90.00	-3,236.61	7,870.71	1,157.10	742.62	414.48	2.792		
15,600.00	7,950.00	15,934.98	7,950.00	210.88	212.99	90.00	-3,237.72	7,970.70	1,157.06	737.27	419.79	2.756		
15,700.00	7,950.00	16,034.98	7,950.00	213.52	215.61	90.00	-3,238.82	8,070.70	1,157.02	731.91	425.11	2.722		
15,800.00	7,950.00	16,134.98	7,950.00	216.17	218.23	90.00	-3,239.93	8,170.69	1,156.99	726.55	430.44	2.688		
15,900.00	7,950.00	16,234.98	7,950.00	218.82	220.85	90.00	-3,241.03	8,270.68	1,156.95	721.19	435.76	2.655		
16,000.00	7,950.00	16,334.98	7,950.00	221.47	223.47	90.00	-3,242.13	8,370.68	1,156.91	715.83	441.08	2.623		
16,100.00	7,950.00	16,434.98	7,950.00	224.13	226.09	90.00	-3,243.24	8,470.67	1,156.87	710.46	446.41	2.591		
16,200.00	7,950.00	16,534.98	7,950.00	226.78	228.72	90.00	-3,244.34	8,570.67	1,156.84	705.10	451.74	2.561		
16,300.00	7,950.00	16,634.98	7,950.00	229.43	231.35	90.00	-3,245.45	8,670.66	1,156.80	699.73	457.07	2.531		
16,352.91	7,950.00	16,687.89	7,950.00	230.84	232.74	90.00	-3,246.03	8,723.57	1,156.78	696.89	459.89	2.515		
16,400.00	7,950.00	16,680.54	7,950.00	232.09	232.54	90.00	-3,245.95	8,716.22	1,158.04	694.96	463.08	2.501		
16,500.00	7,950.00	16,680.54	7,950.00	234.75	232.54	90.00	-3,245.95	8,716.22	1,166.99	699.90	467.08	2.498 SF		
16,600.00	7,950.00	16,680.54	7,950.00	237.40	232.54	90.00	-3,245.95	8,716.22	1,184.34	716.52	467.82	2.532		
16,700.00	7,950.00	16,680.54	7,950.00	240.06	232.54	90.00	-3,245.95	8,716.22	1,209.73	744.20	465.54	2.599		
16,800.00	7,950.00	16,680.54	7,950.00	242.72	232.54	90.00	-3,245.95	8,716.22	1,242.68	782.02	460.66	2.698		
16,900.00	7,950.00	16,680.54	7,950.00	245.38	232.54	90.00	-3,245.95	8,716.22	1,282.60	828.94	453.66	2.827		
17,000.00	7,950.00	16,680.54	7,950.00	248.04	232.54	90.00	-3,245.95	8,716.22	1,328.86	883.81	445.05	2.986		
17,100.00	7,950.00	16,680.54	7,950.00	250.70	232.54	90.00	-3,245.95	8,716.22	1,380.82	945.51	435.31	3.172		
17,200.00	7,950.00	16,680.54	7,950.00	253.36	232.54	90.00	-3,245.95	8,716.22	1,437.87	1,013.02	424.85	3.384		
17,300.00	7,950.00	16,680.54	7,950.00	256.02	232.54	90.00	-3,245.95	8,716.22	1,499.42	1,085.40	414.02	3.622		
17,400.00	7,950.00	16,680.54	7,950.00	258.69	232.54	90.00	-3,245.95	8,716.22	1,564.95	1,161.85	403.10	3.882		
17,500.00	7,950.00	16,680.54	7,950.00	261.35	232.54	90.00	-3,245.95	8,716.22	1,633.97	1,241.70	392.27	4.165		
17,600.00	7,950.00	16,680.54	7,950.00	264.01	232.54	90.00	-3,245.95	8,716.22	1,706.07	1,324.37	381.70	4.470		
17,700.00	7,950.00	16,680.54	7,950.00	266.68	232.54	90.00	-3,245.95	8,716.22	1,780.86	1,409.39	371.47	4.794		
17,800.00	7,950.00	16,680.54	7,950.00	269.34	232.54	90.00	-3,245.95	8,716.22	1,858.03	1,496.36	361.66	5.137		
17,900.00	7,950.00	16,680.54	7,950.00	272.01	232.54	90.00	-3,245.95	8,716.22	1,937.28	1,584.98	352.30	5.499		
18,000.00	7,950.00	16,680.54	7,950.00	274.68	232.54	90.00	-3,245.95	8,716.22	2,018.38	1,674.97	343.41	5.877		
18,100.00	7,950.00	16,680.54	7,950.00	277.34	232.54	90.00	-3,245.95	8,716.22	2,101.11	1,766.13	334.98	6.272		
18,200.00	7,950.00	16,680.54	7,950.00	280.01	232.54	90.00	-3,245.95	8,716.22	2,185.28	1,858.27	327.02	6.683		
18,300.00	7,950.00	16,680.54	7,950.00	282.68	232.54	90.00	-3,245.95	8,716.22	2,270.74	1,951.25	319.49	7.107		
18,400.00	7,950.00	16,680.54	7,950.00	285.35	232.54	90.00	-3,245.95	8,716.22	2,357.34	2,044.95	312.40	7.546		
18,456.97	7,950.00	16,680.54	7,950.00	286.87	232.54	90.00	-3,245.95	8,716.22	2,407.15	2,098.61	308.54	7.802		

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB 25' @ 5718.40usft

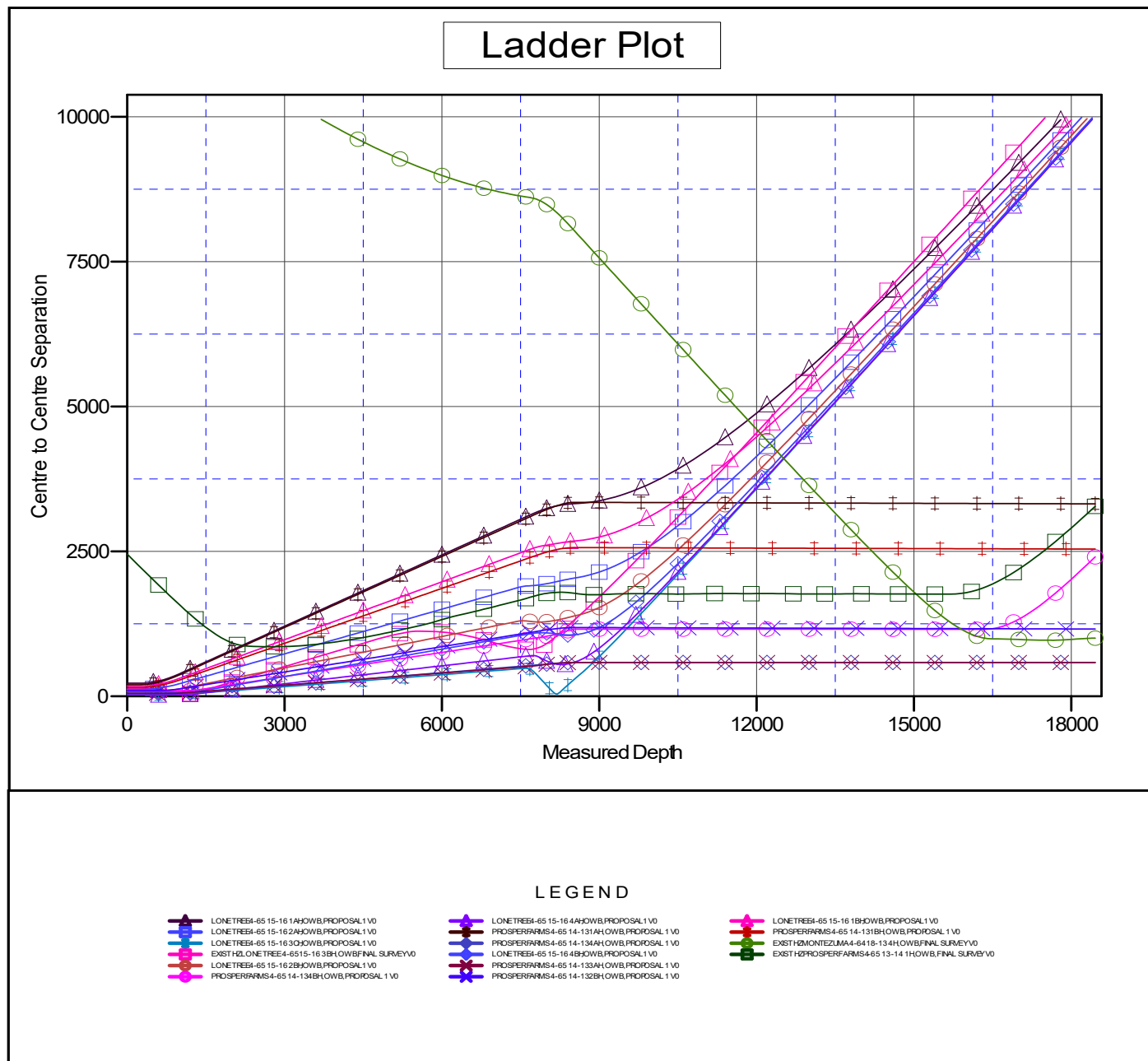
Offset Depths are relative to Offset Datum

Central Meridian is 105.500000°W

Coordinates are relative to: PROSPER FARMS 4-65 14-13 3BH

Coordinate System is US State Plane 1983, Colorado Central Zone

Grid Convergence at Surface is: 0.54°



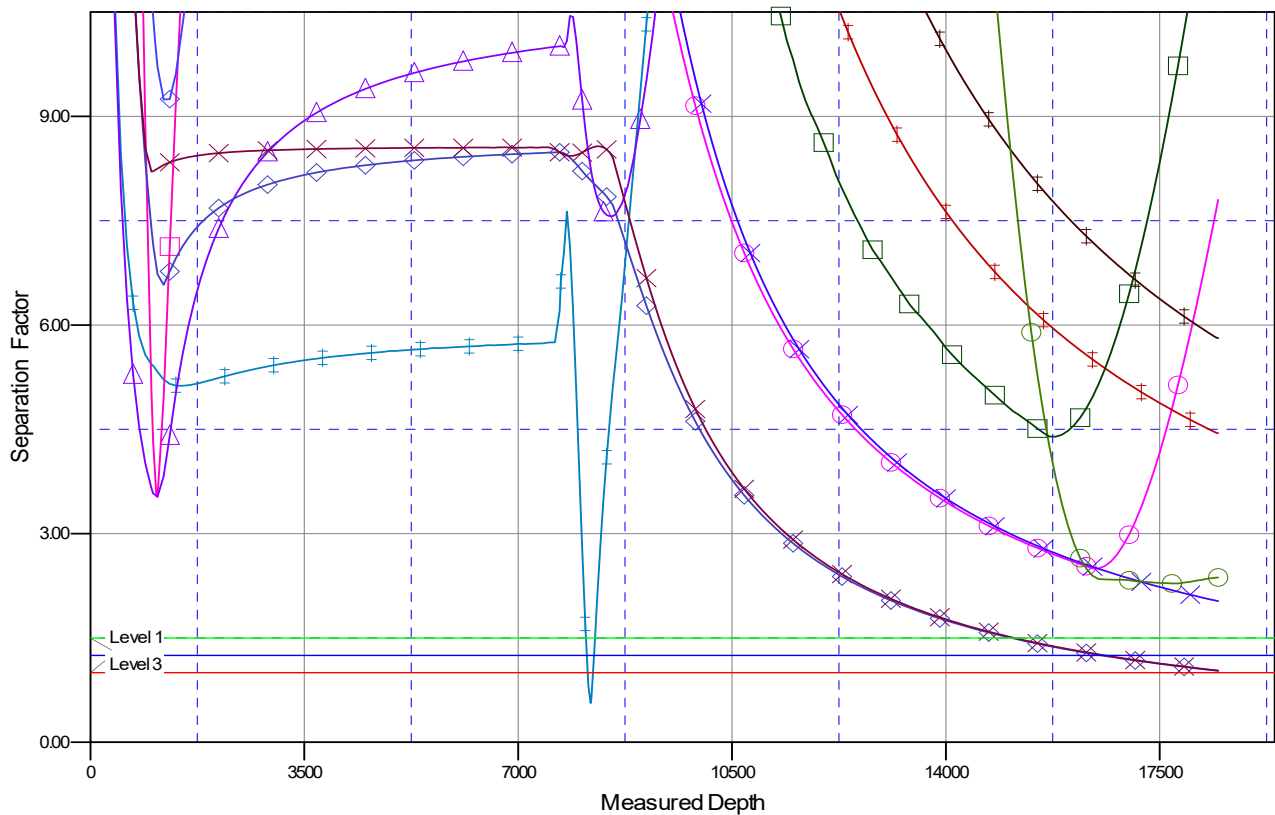
Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 3BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB 25' @ 5718.40usft
 Offset Depths are relative to Offset Datum
 Central Meridian is 105.500000°W

Coordinates are relative to: PROSPER FARMS 4-65 14-13 3BH
 Coordinate System is US State Plane 1983, Colorado Central Zone
 Grid Convergence at Surface is: 0.54°

Separation Factor Plot



LEGEND

<ul style="list-style-type: none"> LONETREE-65 15-16 1A HOWB, PROPOSAL 1 V0 LONETREE-65 15-16 2A HOWB, PROPOSAL 1 V0 LONETREE-65 15-16 3D HOWB, PROPOSAL 1 V0 EXIST H2 LONETREE-65 15-16 3B HOWB, FINAL SURVEY V0 LONETREE-65 15-16 2B HOWB, PROPOSAL 1 V0 PROSPERFARMS-65 14-13 4B HOWB, PROPOSAL 1 V0 	<ul style="list-style-type: none"> LONETREE-65 15-16 4A HOWB, PROPOSAL 1 V0 PROSPERFARMS-65 14-13 1A HOWB, PROPOSAL 1 V0 PROSPERFARMS-65 14-13 4A HOWB, PROPOSAL 1 V0 LONETREE-65 15-16 4B HOWB, PROPOSAL 1 V0 PROSPERFARMS-65 14-13 3A HOWB, PROPOSAL 1 V0 PROSPERFARMS-65 14-13 2B HOWB, PROPOSAL 1 V0 	<ul style="list-style-type: none"> LONETREE-65 15-16 1B HOWB, PROPOSAL 1 V0 PROSPERFARMS-65 14-13 1B HOWB, PROPOSAL 1 V0 EXIST H2 MONTEZUMA-64 18-13 4A HOWB, FINAL SURVEY V0 EXIST H2 PROSPERFARMS-65 13-14 1A HOWB, FINAL SURVEY V0
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