

CRESTONE PEAK RESOURCES

ARAPAHOE COUNTY

SEC 15-T4S-R65W

PROSPER FARMS 4-65 14-13 3AH

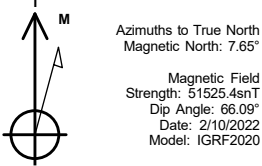
OWB

Plan: PROPOSAL 1

Standard Planning Report

11 February, 2022

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



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

+N/-S	+E/-W	Northing	Easting	5693.40	Latitude	Longitude	Slot
0.00	0.00	1683355.40	3241109.66		39.706490°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	833.76	11.68	165.12	829.73	-57.29	15.22	2.00	165.12	23.34	
4	7485.17	11.68	165.12	7343.52	-1358.18	360.76	0.00	0.00	553.28	
5	8354.11	90.00	90.65	7875.00	-1470.53	931.63	10.00	-74.78	1134.39	LP-PF 4-65
6	18265.67	90.00	90.65	7875.00	-1583.72	10842.55	0.00	0.00	10957.61	PBHL-PF 4

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
833.76	11.68	165.12	829.73	-57.29	15.22	23.34	59.27	Start 6651.40 hold at 833.76 MD
7485.17	11.68	165.12	7343.52	-1358.18	360.76	553.28	1405.28	Start DLS 10.00 TFO -74.78
8354.11	90.00	90.65	7875.00	-1470.53	931.63	1134.39	2000.14	Start 9911.57 hold at 8354.11 MD
18265.67	90.00	90.65	7875.00	-1583.72	10842.55	10957.61	11911.71	TD at 18265.67

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
LP-PF 4-65 3AH	7875.00	-1470.53	931.63	1681893.74	3242055.12	39.702453°N	104.639722°W	Point
- plan hits target center								
PBHL-PF 4-65 3AH	7875.00	-1583.72	10842.55	1681874.05	3251966.58	39.702136°N	104.604499°W	Point
- plan hits target center								

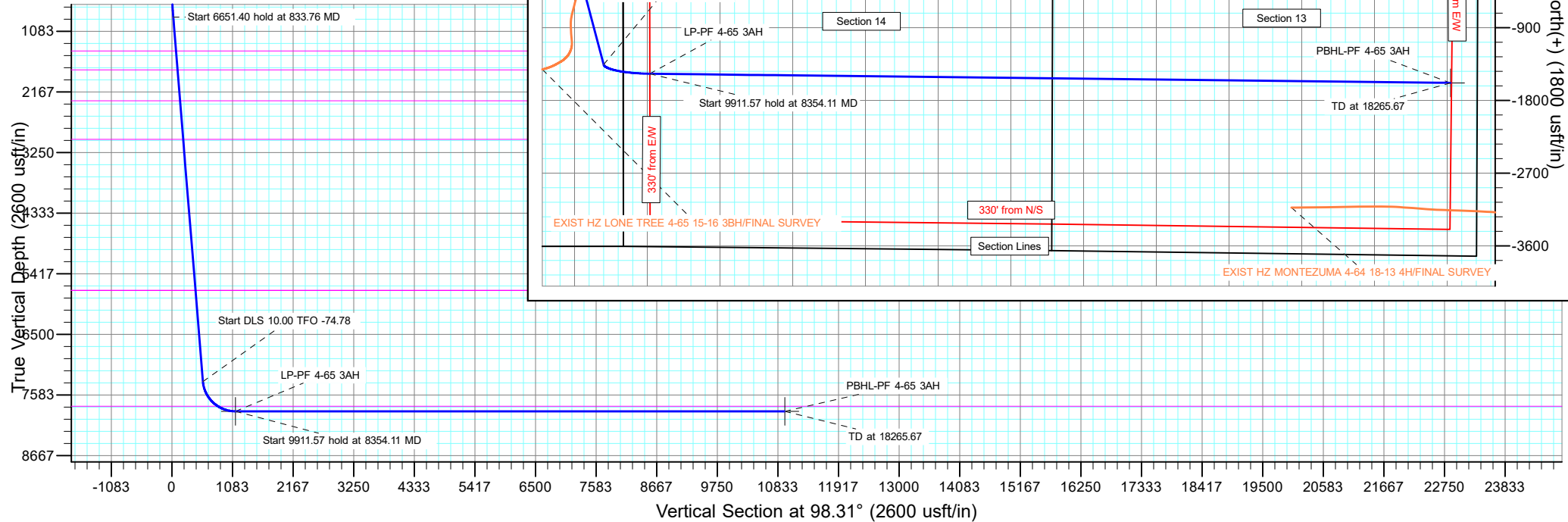
PROJECT DETAILS: ARAPAHOE COUNTY

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

SHL:
1694' FNL, 600' FEL
Sec 15-T4S-R65W

LP:
2140' FSL, 330' FWL
Sec 14-T4S-R65W

BHL:
2140' FSL, 330' FEL
Sec 13-T4S-R65W



Planning Report

Database:	EDT_32Bit_ODBC	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3AH
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 3AH	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 3AH					
Well Position	+N/-S	-1,700.40 usft	Northing:	1,683,355.40 usft	Latitude:	39.706490°N
	+E/-W	-597.32 usft	Easting:	3,241,109.67 usft	Longitude:	104.643033°W
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	51,525.35191254

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	98.31

Plan Survey Tool Program	Date	2/11/2022			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.00	18,265.67	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	
833.76	11.68	165.12	829.73	-57.29	15.22	2.00	2.00	0.00	165.12	
7,485.17	11.68	165.12	7,343.52	-1,358.18	360.76	0.00	0.00	0.00	0.00	
8,354.11	90.00	90.65	7,875.00	-1,470.53	931.63	10.00	9.01	-8.57	-74.78	LP-PF 4-65 3AH
18,265.67	90.00	90.65	7,875.00	-1,583.72	10,842.55	0.00	0.00	0.00	0.00	PBHL-PF 4-65 3AH

Planning Report

Database:	EDT_32Bit_ODBC	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3AH
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 3AH	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	165.12	300.00	-0.42	0.11	0.17	2.00	2.00	0.00
400.00	3.00	165.12	399.93	-3.79	1.01	1.55	2.00	2.00	0.00
500.00	5.00	165.12	499.68	-10.54	2.80	4.29	2.00	2.00	0.00
600.00	7.00	165.12	599.13	-20.64	5.48	8.41	2.00	2.00	0.00
700.00	9.00	165.12	698.15	-34.09	9.05	13.89	2.00	2.00	0.00
800.00	11.00	165.12	796.63	-50.87	13.51	20.72	2.00	2.00	0.00
833.76	11.68	165.12	829.73	-57.29	15.22	23.34	2.00	2.00	0.00
Start 6651.40 hold at 833.76 MD									
900.00	11.68	165.12	894.60	-70.24	18.66	28.61	0.00	0.00	0.00
1,000.00	11.68	165.12	992.53	-89.80	23.85	36.58	0.00	0.00	0.00
1,100.00	11.68	165.12	1,090.46	-109.36	29.05	44.55	0.00	0.00	0.00
1,200.00	11.68	165.12	1,188.39	-128.91	34.24	52.52	0.00	0.00	0.00
1,300.00	11.68	165.12	1,286.32	-148.47	39.44	60.48	0.00	0.00	0.00
1,400.00	11.68	165.12	1,384.25	-168.03	44.63	68.45	0.00	0.00	0.00
1,450.80	11.68	165.12	1,434.00	-177.97	47.27	72.50	0.00	0.00	0.00
Laramie									
1,500.00	11.68	165.12	1,482.18	-187.59	49.83	76.42	0.00	0.00	0.00
1,600.00	11.68	165.12	1,580.12	-207.15	55.02	84.38	0.00	0.00	0.00
1,700.00	11.68	165.12	1,678.05	-226.71	60.22	92.35	0.00	0.00	0.00
1,795.94	11.68	165.12	1,772.00	-245.47	65.20	100.00	0.00	0.00	0.00
Fox Hills									
1,800.00	11.68	165.12	1,775.98	-246.26	65.41	100.32	0.00	0.00	0.00
1,900.00	11.68	165.12	1,873.91	-265.82	70.61	108.29	0.00	0.00	0.00
2,000.00	11.68	165.12	1,971.84	-285.38	75.80	116.25	0.00	0.00	0.00
2,100.00	11.68	165.12	2,069.77	-304.94	81.00	124.22	0.00	0.00	0.00
2,200.00	11.68	165.12	2,167.70	-324.50	86.19	132.19	0.00	0.00	0.00
2,300.00	11.68	165.12	2,265.63	-344.06	91.39	140.16	0.00	0.00	0.00
2,360.62	11.68	165.12	2,325.00	-355.91	94.54	144.99	0.00	0.00	0.00
Upper Pierre aquifer									
2,400.00	11.68	165.12	2,363.56	-363.61	96.58	148.12	0.00	0.00	0.00
2,500.00	11.68	165.12	2,461.49	-383.17	101.78	156.09	0.00	0.00	0.00
2,600.00	11.68	165.12	2,559.43	-402.73	106.97	164.06	0.00	0.00	0.00
2,700.00	11.68	165.12	2,657.36	-422.29	112.17	172.03	0.00	0.00	0.00
2,800.00	11.68	165.12	2,755.29	-441.85	117.36	179.99	0.00	0.00	0.00
2,900.00	11.68	165.12	2,853.22	-461.41	122.56	187.96	0.00	0.00	0.00
3,000.00	11.68	165.12	2,951.15	-480.96	127.75	195.93	0.00	0.00	0.00
3,063.16	11.68	165.12	3,013.00	-493.32	131.04	200.96	0.00	0.00	0.00
Base of Upper Pierre aquifer									
3,100.00	11.68	165.12	3,049.08	-500.52	132.95	203.89	0.00	0.00	0.00
3,200.00	11.68	165.12	3,147.01	-520.08	138.14	211.86	0.00	0.00	0.00
3,300.00	11.68	165.12	3,244.94	-539.64	143.34	219.83	0.00	0.00	0.00
3,400.00	11.68	165.12	3,342.87	-559.20	148.53	227.80	0.00	0.00	0.00
3,500.00	11.68	165.12	3,440.80	-578.75	153.73	235.76	0.00	0.00	0.00
3,600.00	11.68	165.12	3,538.74	-598.31	158.93	243.73	0.00	0.00	0.00
3,700.00	11.68	165.12	3,636.67	-617.87	164.12	251.70	0.00	0.00	0.00
3,800.00	11.68	165.12	3,734.60	-637.43	169.32	259.67	0.00	0.00	0.00
3,900.00	11.68	165.12	3,832.53	-656.99	174.51	267.63	0.00	0.00	0.00
4,000.00	11.68	165.12	3,930.46	-676.55	179.71	275.60	0.00	0.00	0.00

Planning Report

Database:	EDT_32Bit_ODBC	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3AH
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 3AH	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	11.68	165.12	4,028.39	-696.10	184.90	283.57	0.00	0.00	0.00
4,200.00	11.68	165.12	4,126.32	-715.66	190.10	291.54	0.00	0.00	0.00
4,300.00	11.68	165.12	4,224.25	-735.22	195.29	299.50	0.00	0.00	0.00
4,400.00	11.68	165.12	4,322.18	-754.78	200.49	307.47	0.00	0.00	0.00
4,500.00	11.68	165.12	4,420.11	-774.34	205.68	315.44	0.00	0.00	0.00
4,600.00	11.68	165.12	4,518.05	-793.90	210.88	323.40	0.00	0.00	0.00
4,700.00	11.68	165.12	4,615.98	-813.45	216.07	331.37	0.00	0.00	0.00
4,800.00	11.68	165.12	4,713.91	-833.01	221.27	339.34	0.00	0.00	0.00
4,900.00	11.68	165.12	4,811.84	-852.57	226.46	347.31	0.00	0.00	0.00
5,000.00	11.68	165.12	4,909.77	-872.13	231.66	355.27	0.00	0.00	0.00
5,100.00	11.68	165.12	5,007.70	-891.69	236.85	363.24	0.00	0.00	0.00
5,200.00	11.68	165.12	5,105.63	-911.25	242.05	371.21	0.00	0.00	0.00
5,300.00	11.68	165.12	5,203.56	-930.80	247.24	379.18	0.00	0.00	0.00
5,400.00	11.68	165.12	5,301.49	-950.36	252.44	387.14	0.00	0.00	0.00
5,500.00	11.68	165.12	5,399.43	-969.92	257.63	395.11	0.00	0.00	0.00
5,600.00	11.68	165.12	5,497.36	-989.48	262.83	403.08	0.00	0.00	0.00
5,700.00	11.68	165.12	5,595.29	-1,009.04	268.02	411.05	0.00	0.00	0.00
5,800.00	11.68	165.12	5,693.22	-1,028.59	273.22	419.01	0.00	0.00	0.00
5,823.26	11.68	165.12	5,716.00	-1,033.14	274.43	420.87	0.00	0.00	0.00
Terry ("Sussex") - Hygiene ("Shannon") - Mitten - Mitten Marker 1 - Teepee Buttes - Mitten Marker 2 - Sharon Springs									
5,900.00	11.68	165.12	5,791.15	-1,048.15	278.41	426.98	0.00	0.00	0.00
6,000.00	11.68	165.12	5,889.08	-1,067.71	283.61	434.95	0.00	0.00	0.00
6,100.00	11.68	165.12	5,987.01	-1,087.27	288.80	442.91	0.00	0.00	0.00
6,200.00	11.68	165.12	6,084.94	-1,106.83	294.00	450.88	0.00	0.00	0.00
6,300.00	11.68	165.12	6,182.87	-1,126.39	299.19	458.85	0.00	0.00	0.00
6,400.00	11.68	165.12	6,280.80	-1,145.94	304.39	466.82	0.00	0.00	0.00
6,500.00	11.68	165.12	6,378.74	-1,165.50	309.58	474.78	0.00	0.00	0.00
6,600.00	11.68	165.12	6,476.67	-1,185.06	314.78	482.75	0.00	0.00	0.00
6,700.00	11.68	165.12	6,574.60	-1,204.62	319.97	490.72	0.00	0.00	0.00
6,800.00	11.68	165.12	6,672.53	-1,224.18	325.17	498.69	0.00	0.00	0.00
6,900.00	11.68	165.12	6,770.46	-1,243.74	330.36	506.65	0.00	0.00	0.00
7,000.00	11.68	165.12	6,868.39	-1,263.29	335.56	514.62	0.00	0.00	0.00
7,100.00	11.68	165.12	6,966.32	-1,282.85	340.75	522.59	0.00	0.00	0.00
7,200.00	11.68	165.12	7,064.25	-1,302.41	345.95	530.56	0.00	0.00	0.00
7,300.00	11.68	165.12	7,162.18	-1,321.97	351.14	538.52	0.00	0.00	0.00
7,400.00	11.68	165.12	7,260.11	-1,341.53	356.34	546.49	0.00	0.00	0.00
7,485.17	11.68	165.12	7,343.52	-1,358.18	360.76	553.28	0.00	0.00	0.00
Start DLS 10.00 TFO -74.78									
7,500.00	12.15	158.31	7,358.03	-1,361.08	361.73	554.65	10.00	3.19	-45.95
7,550.00	14.75	139.79	7,406.68	-1,370.84	367.78	562.05	10.00	5.20	-37.04
7,600.00	18.35	127.53	7,454.62	-1,380.50	378.14	573.70	10.00	7.21	-24.51
7,650.00	22.48	119.41	7,501.47	-1,390.00	392.72	589.50	10.00	8.26	-16.25
7,700.00	26.90	113.76	7,546.90	-1,399.26	411.42	609.33	10.00	8.83	-11.29
7,750.00	31.48	109.63	7,590.54	-1,408.21	434.08	633.05	10.00	9.16	-8.26
7,800.00	36.16	106.46	7,632.07	-1,416.78	460.53	660.47	10.00	9.36	-6.33
7,850.00	40.90	103.94	7,671.18	-1,424.91	490.59	691.38	10.00	9.49	-5.05
7,900.00	45.70	101.86	7,707.56	-1,432.53	524.01	725.55	10.00	9.58	-4.16
7,950.00	50.52	100.09	7,740.93	-1,439.59	560.54	762.72	10.00	9.65	-3.53
8,000.00	55.37	98.56	7,771.06	-1,446.04	599.90	802.60	10.00	9.70	-3.07
8,025.34	57.83	97.85	7,785.00	-1,449.06	620.83	823.75	10.00	9.72	-2.80
Niobrara									
8,050.00	60.23	97.19	7,797.69	-1,451.82	641.80	844.90	10.00	9.74	-2.66
8,100.00	65.11	95.95	7,820.64	-1,456.90	685.92	889.28	10.00	9.76	-2.48

Planning Report

Database:	EDT_32Bit_ODBC	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3AH
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 3AH	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)
8,150.00	70.00	94.81	7,839.72	-1,461.22	731.91	935.42	10.00	9.77	-2.29
8,200.00	74.89	93.74	7,854.80	-1,464.77	779.43	982.96	10.00	9.79	-2.15
8,250.00	79.79	92.71	7,865.75	-1,467.50	828.13	1,031.53	10.00	9.80	-2.05
8,300.00	84.69	91.71	7,872.50	-1,469.41	877.62	1,080.78	10.00	9.80	-1.99
8,354.11	90.00	90.65	7,875.00	-1,470.53	931.63	1,134.39	10.00	9.81	-1.96
Start 9911.57 hold at 8354.11 MD									
8,400.00	90.00	90.65	7,875.00	-1,471.05	977.52	1,179.87	0.00	0.00	0.00
8,500.00	90.00	90.65	7,875.00	-1,472.19	1,077.52	1,278.98	0.00	0.00	0.00
8,600.00	90.00	90.65	7,875.00	-1,473.33	1,177.51	1,378.09	0.00	0.00	0.00
8,700.00	90.00	90.65	7,875.00	-1,474.48	1,277.51	1,477.20	0.00	0.00	0.00
8,800.00	90.00	90.65	7,875.00	-1,475.62	1,377.50	1,576.31	0.00	0.00	0.00
8,900.00	90.00	90.65	7,875.00	-1,476.76	1,477.49	1,675.42	0.00	0.00	0.00
9,000.00	90.00	90.65	7,875.00	-1,477.90	1,577.49	1,774.53	0.00	0.00	0.00
9,100.00	90.00	90.65	7,875.00	-1,479.04	1,677.48	1,873.63	0.00	0.00	0.00
9,200.00	90.00	90.65	7,875.00	-1,480.19	1,777.47	1,972.74	0.00	0.00	0.00
9,300.00	90.00	90.65	7,875.00	-1,481.33	1,877.47	2,071.85	0.00	0.00	0.00
9,400.00	90.00	90.65	7,875.00	-1,482.47	1,977.46	2,170.96	0.00	0.00	0.00
9,500.00	90.00	90.65	7,875.00	-1,483.61	2,077.45	2,270.07	0.00	0.00	0.00
9,600.00	90.00	90.65	7,875.00	-1,484.75	2,177.45	2,369.18	0.00	0.00	0.00
9,700.00	90.00	90.65	7,875.00	-1,485.90	2,277.44	2,468.29	0.00	0.00	0.00
9,800.00	90.00	90.65	7,875.00	-1,487.04	2,377.43	2,567.39	0.00	0.00	0.00
9,900.00	90.00	90.65	7,875.00	-1,488.18	2,477.43	2,666.50	0.00	0.00	0.00
10,000.00	90.00	90.65	7,875.00	-1,489.32	2,577.42	2,765.61	0.00	0.00	0.00
10,100.00	90.00	90.65	7,875.00	-1,490.46	2,677.41	2,864.72	0.00	0.00	0.00
10,200.00	90.00	90.65	7,875.00	-1,491.61	2,777.41	2,963.83	0.00	0.00	0.00
10,300.00	90.00	90.65	7,875.00	-1,492.75	2,877.40	3,062.94	0.00	0.00	0.00
10,400.00	90.00	90.65	7,875.00	-1,493.89	2,977.39	3,162.05	0.00	0.00	0.00
10,500.00	90.00	90.65	7,875.00	-1,495.03	3,077.39	3,261.15	0.00	0.00	0.00
10,600.00	90.00	90.65	7,875.00	-1,496.17	3,177.38	3,360.26	0.00	0.00	0.00
10,700.00	90.00	90.65	7,875.00	-1,497.32	3,277.37	3,459.37	0.00	0.00	0.00
10,800.00	90.00	90.65	7,875.00	-1,498.46	3,377.37	3,558.48	0.00	0.00	0.00
10,900.00	90.00	90.65	7,875.00	-1,499.60	3,477.36	3,657.59	0.00	0.00	0.00
11,000.00	90.00	90.65	7,875.00	-1,500.74	3,577.36	3,756.70	0.00	0.00	0.00
11,100.00	90.00	90.65	7,875.00	-1,501.88	3,677.35	3,855.81	0.00	0.00	0.00
11,200.00	90.00	90.65	7,875.00	-1,503.03	3,777.34	3,954.92	0.00	0.00	0.00
11,300.00	90.00	90.65	7,875.00	-1,504.17	3,877.34	4,054.02	0.00	0.00	0.00
11,400.00	90.00	90.65	7,875.00	-1,505.31	3,977.33	4,153.13	0.00	0.00	0.00
11,500.00	90.00	90.65	7,875.00	-1,506.45	4,077.32	4,252.24	0.00	0.00	0.00
11,600.00	90.00	90.65	7,875.00	-1,507.59	4,177.32	4,351.35	0.00	0.00	0.00
11,700.00	90.00	90.65	7,875.00	-1,508.74	4,277.31	4,450.46	0.00	0.00	0.00
11,800.00	90.00	90.65	7,875.00	-1,509.88	4,377.30	4,549.57	0.00	0.00	0.00
11,900.00	90.00	90.65	7,875.00	-1,511.02	4,477.30	4,648.68	0.00	0.00	0.00
12,000.00	90.00	90.65	7,875.00	-1,512.16	4,577.29	4,747.78	0.00	0.00	0.00
12,100.00	90.00	90.65	7,875.00	-1,513.30	4,677.28	4,846.89	0.00	0.00	0.00
12,200.00	90.00	90.65	7,875.00	-1,514.45	4,777.28	4,946.00	0.00	0.00	0.00
12,300.00	90.00	90.65	7,875.00	-1,515.59	4,877.27	5,045.11	0.00	0.00	0.00
12,400.00	90.00	90.65	7,875.00	-1,516.73	4,977.26	5,144.22	0.00	0.00	0.00
12,500.00	90.00	90.65	7,875.00	-1,517.87	5,077.26	5,243.33	0.00	0.00	0.00
12,600.00	90.00	90.65	7,875.00	-1,519.01	5,177.25	5,342.44	0.00	0.00	0.00
12,700.00	90.00	90.65	7,875.00	-1,520.16	5,277.24	5,441.54	0.00	0.00	0.00
12,800.00	90.00	90.65	7,875.00	-1,521.30	5,377.24	5,540.65	0.00	0.00	0.00
12,900.00	90.00	90.65	7,875.00	-1,522.44	5,477.23	5,639.76	0.00	0.00	0.00
13,000.00	90.00	90.65	7,875.00	-1,523.58	5,577.22	5,738.87	0.00	0.00	0.00
13,100.00	90.00	90.65	7,875.00	-1,524.72	5,677.22	5,837.98	0.00	0.00	0.00

Planning Report

Database:	EDT_32Bit_ODBC	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3AH
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 3AH	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	7,875.00	-1,525.87	5,777.21	5,937.09	0.00	0.00	0.00
13,300.00	90.00	90.65	7,875.00	-1,527.01	5,877.21	6,036.20	0.00	0.00	0.00
13,400.00	90.00	90.65	7,875.00	-1,528.15	5,977.20	6,135.30	0.00	0.00	0.00
13,500.00	90.00	90.65	7,875.00	-1,529.29	6,077.19	6,234.41	0.00	0.00	0.00
13,600.00	90.00	90.65	7,875.00	-1,530.43	6,177.19	6,333.52	0.00	0.00	0.00
13,700.00	90.00	90.65	7,875.00	-1,531.58	6,277.18	6,432.63	0.00	0.00	0.00
13,800.00	90.00	90.65	7,875.00	-1,532.72	6,377.17	6,531.74	0.00	0.00	0.00
13,900.00	90.00	90.65	7,875.00	-1,533.86	6,477.17	6,630.85	0.00	0.00	0.00
14,000.00	90.00	90.65	7,875.00	-1,535.00	6,577.16	6,729.96	0.00	0.00	0.00
14,100.00	90.00	90.65	7,875.00	-1,536.14	6,677.15	6,829.07	0.00	0.00	0.00
14,200.00	90.00	90.65	7,875.00	-1,537.29	6,777.15	6,928.17	0.00	0.00	0.00
14,300.00	90.00	90.65	7,875.00	-1,538.43	6,877.14	7,027.28	0.00	0.00	0.00
14,400.00	90.00	90.65	7,875.00	-1,539.57	6,977.13	7,126.39	0.00	0.00	0.00
14,500.00	90.00	90.65	7,875.00	-1,540.71	7,077.13	7,225.50	0.00	0.00	0.00
14,600.00	90.00	90.65	7,875.00	-1,541.85	7,177.12	7,324.61	0.00	0.00	0.00
14,700.00	90.00	90.65	7,875.00	-1,543.00	7,277.11	7,423.72	0.00	0.00	0.00
14,800.00	90.00	90.65	7,875.00	-1,544.14	7,377.11	7,522.83	0.00	0.00	0.00
14,900.00	90.00	90.65	7,875.00	-1,545.28	7,477.10	7,621.93	0.00	0.00	0.00
15,000.00	90.00	90.65	7,875.00	-1,546.42	7,577.09	7,721.04	0.00	0.00	0.00
15,100.00	90.00	90.65	7,875.00	-1,547.56	7,677.09	7,820.15	0.00	0.00	0.00
15,200.00	90.00	90.65	7,875.00	-1,548.71	7,777.08	7,919.26	0.00	0.00	0.00
15,300.00	90.00	90.65	7,875.00	-1,549.85	7,877.07	8,018.37	0.00	0.00	0.00
15,400.00	90.00	90.65	7,875.00	-1,550.99	7,977.07	8,117.48	0.00	0.00	0.00
15,500.00	90.00	90.65	7,875.00	-1,552.13	8,077.06	8,216.59	0.00	0.00	0.00
15,600.00	90.00	90.65	7,875.00	-1,553.27	8,177.06	8,315.69	0.00	0.00	0.00
15,700.00	90.00	90.65	7,875.00	-1,554.42	8,277.05	8,414.80	0.00	0.00	0.00
15,800.00	90.00	90.65	7,875.00	-1,555.56	8,377.04	8,513.91	0.00	0.00	0.00
15,900.00	90.00	90.65	7,875.00	-1,556.70	8,477.04	8,613.02	0.00	0.00	0.00
16,000.00	90.00	90.65	7,875.00	-1,557.84	8,577.03	8,712.13	0.00	0.00	0.00
16,100.00	90.00	90.65	7,875.00	-1,558.98	8,677.02	8,811.24	0.00	0.00	0.00
16,200.00	90.00	90.65	7,875.00	-1,560.13	8,777.02	8,910.35	0.00	0.00	0.00
16,300.00	90.00	90.65	7,875.00	-1,561.27	8,877.01	9,009.46	0.00	0.00	0.00
16,400.00	90.00	90.65	7,875.00	-1,562.41	8,977.00	9,108.56	0.00	0.00	0.00
16,500.00	90.00	90.65	7,875.00	-1,563.55	9,077.00	9,207.67	0.00	0.00	0.00
16,600.00	90.00	90.65	7,875.00	-1,564.69	9,176.99	9,306.78	0.00	0.00	0.00
16,700.00	90.00	90.65	7,875.00	-1,565.84	9,276.98	9,405.89	0.00	0.00	0.00
16,800.00	90.00	90.65	7,875.00	-1,566.98	9,376.98	9,505.00	0.00	0.00	0.00
16,900.00	90.00	90.65	7,875.00	-1,568.12	9,476.97	9,604.11	0.00	0.00	0.00
17,000.00	90.00	90.65	7,875.00	-1,569.26	9,576.96	9,703.22	0.00	0.00	0.00
17,100.00	90.00	90.65	7,875.00	-1,570.40	9,676.96	9,802.32	0.00	0.00	0.00
17,200.00	90.00	90.65	7,875.00	-1,571.55	9,776.95	9,901.43	0.00	0.00	0.00
17,300.00	90.00	90.65	7,875.00	-1,572.69	9,876.94	10,000.54	0.00	0.00	0.00
17,400.00	90.00	90.65	7,875.00	-1,573.83	9,976.94	10,099.65	0.00	0.00	0.00
17,500.00	90.00	90.65	7,875.00	-1,574.97	10,076.93	10,198.76	0.00	0.00	0.00
17,600.00	90.00	90.65	7,875.00	-1,576.11	10,176.92	10,297.87	0.00	0.00	0.00
17,700.00	90.00	90.65	7,875.00	-1,577.26	10,276.92	10,396.98	0.00	0.00	0.00
17,800.00	90.00	90.65	7,875.00	-1,578.40	10,376.91	10,496.08	0.00	0.00	0.00
17,900.00	90.00	90.65	7,875.00	-1,579.54	10,476.91	10,595.19	0.00	0.00	0.00
18,000.00	90.00	90.65	7,875.00	-1,580.68	10,576.90	10,694.30	0.00	0.00	0.00
18,100.00	90.00	90.65	7,875.00	-1,581.82	10,676.89	10,793.41	0.00	0.00	0.00
18,200.00	90.00	90.65	7,875.00	-1,582.97	10,776.89	10,892.52	0.00	0.00	0.00
18,265.67	90.00	90.65	7,875.00	-1,583.72	10,842.55	10,957.61	0.00	0.00	0.00
TD at 18265.67									

Planning Report

Database:	EDT_32Bit_ODBC	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3AH
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 3AH	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PROPOSAL 1		

Design Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
- Shape									
PBHL-PF 4-65 3AH	0.00	0.00	7,875.00	-1,583.72	10,842.55	1,681,874.04	3,251,966.59	39.702136°N	104.604499°W
- plan hits target center									
- Point									
LP-PF 4-65 3AH	0.00	0.00	7,875.00	-1,470.53	931.63	1,681,893.74	3,242,055.12	39.702453°N	104.639722°W
- plan hits target center									
- Point									

Formations						
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction	
(usft)	(usft)			(°)	(°)	
1,450.80	1,434.00	Laramie				
1,795.94	1,772.00	Fox Hills				
2,360.62	2,325.00	Upper Pierre aquifer				
3,063.16	3,013.00	Base of Upper Pierre aquifer				
5,823.26	5,716.00	Terry ("Sussex")				
5,823.26	5,716.00	Hygiene ("Shannon")				
5,823.26	5,716.00	Mitten				
5,823.26	5,716.00	Mitten Marker 1				
5,823.26	5,716.00	Tepee Buttes				
5,823.26	5,716.00	Mitten Marker 2				
5,823.26	5,716.00	Sharon Springs				
8,025.34	7,785.00	Niobrara				

Plan Annotations					
Measured Depth	Vertical Depth	Local Coordinates			
(usft)	(usft)	+N/-S (usft)	+E/-W (usft)	Comment	
250.00	250.00	0.00	0.00	Start Build 2.00	
833.76	829.73	-57.29	15.22	Start 6651.40 hold at 833.76 MD	
7,485.17	7,343.52	-1,358.18	360.76	Start DLS 10.00 TFO -74.78	
8,354.11	7,875.00	-1,470.53	931.63	Start 9911.57 hold at 8354.11 MD	
18,265.67	7,875.00	-1,583.72	10,842.55	TD at 18265.67	

CRESTONE PEAK RESOURCES

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

**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 3AH
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 3AH	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	18,265.67	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	1,358.27	1,342.76	49.19	39.24	4.943	CC, ES
EXIST HZ LONE TREE 4-65 15-16 3BH - OWB - FINAL	1,400.00	1,383.62	49.91	39.62	4.852	SF
EXIST HZ MONTEZUMA 4-64 18-13 4H - OWB - FINAL	17,483.10	13,671.56	1,540.01	1,114.51	3.619	CC
EXIST HZ MONTEZUMA 4-64 18-13 4H - OWB - FINAL	17,500.00	13,661.12	1,540.05	1,114.30	3.617	ES
EXIST HZ MONTEZUMA 4-64 18-13 4H - OWB - FINAL	17,600.00	13,607.05	1,541.89	1,114.59	3.608	SF
EXIST HZ PROSPER FARMS 4-65 13-14 1H - OWB - FI	3,417.28	3,343.10	810.98	791.48	41.593	CC
EXIST HZ PROSPER FARMS 4-65 13-14 1H - OWB - FI	15,506.91	14,725.06	1,178.52	776.89	2.934	ES, SF
LONE TREE 4-65 15-16 1AH - OWB - PROPOSAL 1	206.23	211.83	174.84	173.79	166.432	CC
LONE TREE 4-65 15-16 1AH - OWB - PROPOSAL 1	250.00	255.35	174.85	173.49	128.246	ES
LONE TREE 4-65 15-16 1AH - OWB - PROPOSAL 1	9,600.00	7,500.00	3,063.76	2,983.27	38.062	SF
LONE TREE 4-65 15-16 1BH - OWB - PROPOSAL 1	250.00	254.80	124.94	123.58	91.771	CC, ES
LONE TREE 4-65 15-16 1BH - OWB - PROPOSAL 1	8,900.00	7,613.01	2,207.64	2,138.73	32.034	SF
LONE TREE 4-65 15-16 2AH - OWB - PROPOSAL 1	250.67	255.08	74.67	73.31	54.734	CC, ES
LONE TREE 4-65 15-16 2AH - OWB - PROPOSAL 1	7,850.00	7,971.40	1,391.69	1,330.59	22.776	SF
LONE TREE 4-65 15-16 2BH - OWB - PROPOSAL 1	250.00	250.00	24.77	23.43	18.427	CC
LONE TREE 4-65 15-16 2BH - OWB - PROPOSAL 1	300.00	300.27	24.92	23.23	14.752	ES
LONE TREE 4-65 15-16 2BH - OWB - PROPOSAL 1	600.00	601.38	33.94	30.11	8.872	SF
LONE TREE 4-65 15-16 3CH - OWB - PROPOSAL 1	815.54	810.94	23.21	17.92	4.388	CC
LONE TREE 4-65 15-16 3CH - OWB - PROPOSAL 1	833.76	829.00	23.22	17.80	4.282	ES
LONE TREE 4-65 15-16 3CH - OWB - PROPOSAL 1	900.00	894.66	24.15	18.24	4.086	SF
LONE TREE 4-65 15-16 4AH - OWB - PROPOSAL 1	861.03	846.30	72.12	66.51	12.874	CC
LONE TREE 4-65 15-16 4AH - OWB - PROPOSAL 1	900.00	884.34	72.37	66.49	12.306	ES
LONE TREE 4-65 15-16 4AH - OWB - PROPOSAL 1	1,100.00	1,078.98	81.76	74.45	11.178	SF
LONE TREE 4-65 15-16 4BH - OWB - PROPOSAL 1	863.12	838.50	122.38	116.80	21.912	CC
LONE TREE 4-65 15-16 4BH - OWB - PROPOSAL 1	900.00	873.93	122.60	116.75	20.958	ES
LONE TREE 4-65 15-16 4BH - OWB - PROPOSAL 1	1,200.00	1,160.66	140.81	132.79	17.571	SF
PROSPER FARMS 4-65 14-13 1AH - OWB - PROPOSA	206.40	211.60	149.71	148.66	142.542	CC
PROSPER FARMS 4-65 14-13 1AH - OWB - PROPOSA	250.00	254.95	149.72	148.36	109.920	ES
PROSPER FARMS 4-65 14-13 1AH - OWB - PROPOSA	18,265.67	18,226.33	2,740.42	2,168.94	4.795	SF
PROSPER FARMS 4-65 14-13 1BH - OWB - PROPOSA	250.00	254.30	99.81	98.45	73.407	CC, ES
PROSPER FARMS 4-65 14-13 1BH - OWB - PROPOSA	18,265.67	18,220.21	1,961.78	1,390.67	3.435	SF
PROSPER FARMS 4-65 14-13 2BH - OWB - PROPOSA	250.00	249.70	49.90	48.56	37.151	CC
PROSPER FARMS 4-65 14-13 2BH - OWB - PROPOSA	18,263.28	18,258.57	585.85	17.94	1.032	Level 2, ES, SF
PROSPER FARMS 4-65 14-13 3BH - OWB - PROPOSA	577.16	571.63	50.25	46.67	14.009	CC
PROSPER FARMS 4-65 14-13 3BH - OWB - PROPOSA	18,265.67	18,452.63	584.73	18.24	1.032	Level 2, ES, SF
PROSPER FARMS 4-65 14-13 4AH - OWB - PROPOSA	836.76	817.11	99.67	94.26	18.431	CC, ES
PROSPER FARMS 4-65 14-13 4AH - OWB - PROPOSA	18,265.67	18,531.76	1,159.80	587.98	2.028	SF

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 3AH
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 3AH	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	844.15	814.78	148.83	143.41	27.439	CC, ES
PROSPER FARMS 4-65 14-13 4BH - OWB - PROPOSA	16,300.00	16,680.54	1,744.00	1,279.13	3.752	SF

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 94-MWD OWSG													Offset Well Error:	0.00 usft
Reference Measured Depth (usft)	Vertical Depth (usft)	Offset Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance				Warning	
				Reference (usft)	Offset (usft)		+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	180.00	-175.22	0.00	175.22					
100.00	100.00	100.17	100.17	0.13	0.13	-179.98	-175.05	-0.07	175.05	174.79	0.27	657.003		
200.00	200.00	199.97	199.97	0.49	0.50	-179.87	-174.80	-0.38	174.80	173.81	0.99	175.697		
250.00	250.00	249.97	249.97	0.67	0.68	-179.80	-174.70	-0.60	174.70	173.34	1.35	129.129		
300.00	300.00	299.96	299.95	0.84	0.86	15.18	-174.59	-0.81	174.17	172.47	1.70	102.258		
400.00	399.93	399.82	399.81	1.19	1.22	15.66	-174.40	-1.26	170.62	168.22	2.40	71.027		
500.00	499.68	499.43	499.42	1.54	1.57	16.52	-174.26	-1.74	163.79	160.67	3.11	52.607		
600.00	599.13	599.00	598.99	1.92	1.93	17.88	-174.18	-2.22	153.73	149.90	3.83	40.129		
700.00	698.15	698.29	698.28	2.31	2.28	19.85	-173.82	-2.51	140.21	135.66	4.55	30.788		
800.00	796.63	796.68	796.68	2.74	2.63	22.90	-173.43	-2.90	123.66	118.37	5.28	23.400		
833.76	829.73	829.78	829.77	2.89	2.75	24.29	-173.29	-3.05	117.43	111.89	5.54	21.205		
900.00	894.60	894.53	894.52	3.20	2.99	27.45	-173.01	-3.32	105.09	99.06	6.03	17.433		
1,000.00	992.53	992.09	992.08	3.67	3.33	33.77	-172.75	-3.65	87.39	80.61	6.79	12.873		
1,100.00	1,090.46	1,089.84	1,089.83	4.14	3.68	42.91	-172.87	-3.96	71.58	63.98	7.60	9.423		
1,200.00	1,188.39	1,187.75	1,187.73	4.62	4.02	56.41	-173.14	-4.24	58.63	50.15	8.48	6.916		
1,300.00	1,286.32	1,285.71	1,285.70	5.11	4.36	75.51	-173.46	-4.54	50.58	41.16	9.42	5.367		
1,358.27	1,343.39	1,342.76	1,342.75	5.39	4.56	88.61	-173.63	-4.76	49.19	39.24	9.95	4.943	CC, ES	
1,400.00	1,384.25	1,383.62	1,383.60	5.60	4.70	98.05	-173.76	-4.94	49.91	39.62	10.29	4.852	SF	
1,500.00	1,482.18	1,481.54	1,481.52	6.09	5.05	118.09	-174.05	-5.43	56.90	45.94	10.95	5.194		
1,600.00	1,580.12	1,579.51	1,579.49	6.58	5.40	132.55	-174.32	-5.95	69.25	57.71	11.54	6.000		
1,700.00	1,678.05	1,677.34	1,677.32	7.07	5.75	142.22	-174.62	-6.57	84.70	72.55	12.15	6.973		
1,800.00	1,775.98	1,775.16	1,775.14	7.57	6.10	148.81	-174.83	-7.31	101.94	89.16	12.78	7.974		
1,900.00	1,873.91	1,873.21	1,873.18	8.06	6.45	153.50	-175.03	-8.01	120.10	106.65	13.45	8.930		
2,000.00	1,971.84	1,971.13	1,971.10	8.55	6.80	156.95	-175.24	-8.66	138.80	124.67	14.13	9.822		
2,100.00	2,069.77	2,069.08	2,069.05	9.05	7.15	159.59	-175.43	-9.30	157.88	143.06	14.83	10.649		
2,200.00	2,167.70	2,167.09	2,167.05	9.55	7.50	161.68	-175.62	-9.89	177.19	161.66	15.53	11.411		
2,300.00	2,265.63	2,265.15	2,265.11	10.04	7.84	163.37	-175.82	-10.40	196.63	180.40	16.23	12.115		
2,400.00	2,363.56	2,363.27	2,363.24	10.54	8.18	164.87	-175.88	-10.53	216.14	199.21	16.93	12.769		
2,500.00	2,461.49	2,461.25	2,461.21	11.04	8.50	166.18	-175.85	-10.45	235.75	218.14	17.61	13.386		
2,600.00	2,559.43	2,559.78	2,559.75	11.54	8.83	167.29	-176.00	-10.25	255.24	236.93	18.31	13.939		
2,700.00	2,657.36	2,656.77	2,656.74	12.03	9.17	168.20	-176.07	-10.22	274.96	255.95	19.01	14.463		
2,800.00	2,755.29	2,754.50	2,754.46	12.53	9.52	168.99	-175.98	-10.33	294.95	275.22	19.72	14.953		
2,900.00	2,853.22	2,852.74	2,852.70	13.03	9.86	169.71	-175.88	-10.34	314.93	294.50	20.44	15.410		
3,000.00	2,951.15	2,950.75	2,950.72	13.53	10.20	170.32	-175.89	-10.37	334.88	313.73	21.15	15.833		
3,100.00	3,049.08	3,048.48	3,048.44	14.03	10.54	170.87	-175.86	-10.39	354.90	333.03	21.87	16.231		
3,200.00	3,147.01	3,146.35	3,146.31	14.52	10.89	171.35	-175.81	-10.49	374.98	352.40	22.59	16.603		
3,300.00	3,244.94	3,243.98	3,243.95	15.02	11.24	171.77	-175.78	-10.64	395.09	371.79	23.31	16.952		
3,400.00	3,342.87	3,341.94	3,341.90	15.52	11.58	172.15	-175.65	-10.83	415.34	391.31	24.03	17.287		
3,500.00	3,440.80	3,439.56	3,439.53	16.02	11.92	172.52	-175.55	-10.83	435.49	410.76	24.74	17.605		
3,600.00	3,538.74	3,538.11	3,538.07	16.52	12.27	172.83	-175.38	-11.04	455.80	430.35	25.46	17.903		
3,700.00	3,636.67	3,637.44	3,637.40	17.02	12.61	173.12	-175.58	-11.16	475.76	449.57	26.19	18.166		

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 3AH
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 3AH	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	3,734.60	3,735.13	3,735.09	17.52	12.95	173.39	-175.82	-11.12	495.62	468.72	26.90	18.426		
3,900.00	3,832.53	3,832.36	3,832.33	18.02	13.28	173.66	-175.87	-10.97	515.63	488.03	27.61	18.678		
4,000.00	3,930.46	3,930.10	3,930.06	18.52	13.62	173.89	-175.91	-11.05	535.75	507.43	28.32	18.918		
4,100.00	4,028.39	4,028.17	4,028.14	19.02	13.95	174.11	-175.91	-11.04	555.87	526.84	29.03	19.148		
4,200.00	4,126.32	4,125.72	4,125.68	19.52	14.28	174.32	-175.90	-11.01	576.00	546.27	29.74	19.370		
4,300.00	4,224.25	4,223.75	4,223.72	20.01	14.62	174.52	-175.85	-10.98	596.19	565.74	30.45	19.579		
4,400.00	4,322.18	4,321.59	4,321.55	20.51	14.95	174.71	-175.80	-10.92	616.37	585.20	31.16	19.779		
4,500.00	4,420.11	4,419.47	4,419.43	21.01	15.29	174.88	-175.74	-10.87	636.56	604.69	31.88	19.970		
4,600.00	4,518.05	4,516.86	4,516.82	21.51	15.63	175.05	-175.63	-10.80	656.81	624.22	32.59	20.154		
4,700.00	4,615.98	4,613.87	4,613.84	22.01	15.97	175.21	-175.41	-10.73	677.16	643.86	33.30	20.335		
4,800.00	4,713.91	4,726.77	4,726.73	22.51	16.36	175.38	-176.11	-10.35	696.67	662.54	34.12	20.416		
4,900.00	4,811.84	4,845.21	4,845.07	23.01	16.77	175.39	-180.74	-10.62	713.23	678.26	34.97	20.397		
5,000.00	4,909.77	4,950.55	4,950.23	23.51	17.13	175.30	-186.82	-11.43	728.29	692.56	35.73	20.383		
5,100.00	5,007.70	5,061.31	5,060.73	24.01	17.52	175.22	-194.34	-11.89	742.30	705.78	36.52	20.327		
5,200.00	5,105.63	5,177.41	5,176.41	24.51	17.92	175.21	-204.13	-10.63	754.27	716.95	37.32	20.212		
5,300.00	5,203.56	5,288.35	5,286.78	25.01	18.31	175.35	-214.66	-6.86	764.47	726.39	38.08	20.074		
5,400.00	5,301.49	5,429.87	5,426.99	25.51	18.81	175.64	-232.01	1.04	771.42	732.53	38.89	19.837		
5,500.00	5,399.43	5,582.57	5,576.60	26.01	19.36	175.78	-260.83	10.62	771.60	732.01	39.58	19.493		
5,600.00	5,497.36	5,711.53	5,701.53	26.51	19.84	175.66	-292.02	17.69	767.07	726.84	40.23	19.066		
5,700.00	5,595.29	5,821.96	5,807.50	27.01	20.27	175.40	-322.62	22.92	759.24	718.32	40.93	18.552		
5,800.00	5,693.22	5,930.97	5,911.88	27.51	20.71	175.17	-353.52	28.73	750.66	709.04	41.62	18.036		
5,900.00	5,791.15	6,031.42	6,007.80	28.01	21.12	174.90	-382.88	33.83	741.30	698.94	42.36	17.500		
6,000.00	5,889.08	6,148.55	6,118.85	28.51	21.63	174.22	-419.99	36.00	730.64	687.62	43.02	16.984		
6,100.00	5,987.01	6,260.58	6,223.59	29.01	22.13	173.04	-459.58	32.89	718.08	674.35	43.73	16.422		
6,200.00	6,084.94	6,368.05	6,322.59	29.51	22.64	171.46	-500.82	25.95	704.10	659.60	44.51	15.820		
6,300.00	6,182.87	6,473.33	6,418.49	30.01	23.15	169.58	-543.27	16.73	689.57	644.22	45.36	15.204		
6,400.00	6,280.80	6,592.19	6,525.07	30.51	23.77	167.10	-594.43	4.57	673.74	627.57	46.17	14.593		
6,500.00	6,378.74	6,700.32	6,619.87	31.01	24.37	164.41	-644.84	-8.16	656.04	608.87	47.17	13.909		
6,600.00	6,476.67	6,801.04	6,706.96	31.51	24.96	161.59	-693.77	-21.00	638.23	589.89	48.34	13.204		
6,700.00	6,574.60	6,903.18	6,794.96	32.01	25.58	158.60	-744.17	-33.18	620.86	571.26	49.59	12.519		
6,800.00	6,672.53	7,026.83	6,901.24	32.51	26.36	154.99	-806.42	-43.85	602.65	551.90	50.75	11.875		
6,900.00	6,770.46	7,152.75	7,008.36	33.01	27.20	151.50	-872.53	-45.87	579.77	527.94	51.83	11.186		
7,000.00	6,868.39	7,245.68	7,087.35	33.51	27.84	148.95	-921.45	-43.92	555.86	502.55	53.32	10.426		
7,100.00	6,966.32	7,347.58	7,173.92	34.01	28.55	145.94	-975.13	-41.31	532.85	478.06	54.79	9.726		
7,200.00	7,064.25	7,444.78	7,256.53	34.51	29.25	142.98	-1,026.15	-36.96	509.97	453.58	56.39	9.044		
7,300.00	7,162.18	7,536.67	7,334.73	35.01	29.91	139.99	-1,074.22	-32.52	488.35	430.19	58.16	8.396		
7,400.00	7,260.11	7,597.28	7,386.70	35.51	30.35	137.80	-1,105.36	-31.69	471.66	411.37	60.29	7.823		
7,485.17	7,343.52	7,651.44	7,433.61	35.94	30.75	135.64	-1,132.23	-34.78	464.44	402.51	61.93	7.500		
7,500.00	7,358.03	7,662.54	7,443.11	36.01	30.84	141.79	-1,137.86	-35.86	463.91	401.70	62.21	7.457		
7,508.79	7,366.62	7,669.02	7,448.63	36.06	30.89	145.16	-1,141.19	-36.56	463.82	401.44	62.38	7.435		
7,550.00	7,406.68	7,698.36	7,473.24	36.27	31.11	158.04	-1,156.70	-40.36	465.75	402.57	63.18	7.372		
7,600.00	7,454.62	7,729.00	7,498.29	36.54	31.34	168.27	-1,173.59	-45.44	473.47	409.43	64.04	7.393		
7,650.00	7,501.47	7,754.27	7,518.46	36.81	31.54	174.77	-1,187.89	-50.65	487.58	422.86	64.71	7.534		
7,700.00	7,546.90	7,775.00	7,534.69	37.08	31.70	179.28	-1,199.73	-55.76	508.14	443.01	65.13	7.802		
7,750.00	7,590.54	7,792.83	7,548.39	37.36	31.84	-177.29	-1,209.99	-60.75	534.68	469.35	65.34	8.184		
7,800.00	7,632.07	7,823.00	7,571.01	37.65	32.08	-175.75	-1,227.44	-70.43	566.97	501.08	65.89	8.605		
7,850.00	7,671.18	7,823.00	7,571.01	37.94	32.08	-171.59	-1,227.44	-70.43	603.07	537.66	65.40	9.221		
7,900.00	7,707.56	7,823.00	7,571.01	38.23	32.08	-166.93	-1,227.44	-70.43	643.39	578.49	64.90	9.913		
7,950.00	7,740.93	7,823.00	7,571.01	38.53	32.08	-161.14	-1,227.44	-70.43	686.93	622.47	64.46	10.657		
8,000.00	7,771.06	7,823.00	7,571.01	38.84	32.08	-153.24	-1,227.44	-70.43	732.80	668.68	64.12	11.429		
8,050.00	7,797.69	7,823.00	7,571.01	39.16	32.08	-141.59	-1,227.44	-70.43	780.27	716.39	63.88	12.214		
8,100.00	7,820.64	7,823.00	7,571.01	39.50	32.08	-123.87	-1,227.44	-70.43	828.75	764.98	63.76	12.997		

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 3AH
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 3AH	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		
8,150.00	7,839.72	7,823.00	7,571.01	39.85	32.08	-99.61	-1,227.44	-70.43	877.72	813.97	63.75	13.769		
8,200.00	7,854.80	7,823.00	7,571.01	40.22	32.08	-75.02	-1,227.44	-70.43	926.77	862.95	63.82	14.521		
8,250.00	7,865.75	7,823.00	7,571.01	40.60	32.08	-56.91	-1,227.44	-70.43	975.54	911.56	63.98	15.249		
8,300.00	7,872.50	7,823.00	7,571.01	41.01	32.08	-45.27	-1,227.44	-70.43	1,023.72	959.53	64.19	15.948		
8,354.11	7,875.00	7,823.00	7,571.01	41.47	32.08	-37.34	-1,227.44	-70.43	1,074.89	1,010.41	64.48	16.670		
8,400.00	7,875.00	7,823.00	7,571.01	41.89	32.08	-37.34	-1,227.44	-70.43	1,117.91	1,053.18	64.74	17.269		
8,500.00	7,875.00	7,823.00	7,571.01	42.90	32.08	-37.34	-1,227.44	-70.43	1,212.38	1,147.17	65.21	18.593		
8,600.00	7,875.00	7,823.00	7,571.01	44.06	32.08	-37.34	-1,227.44	-70.43	1,307.67	1,242.08	65.59	19.938		
8,700.00	7,875.00	7,823.00	7,571.01	45.36	32.08	-37.34	-1,227.44	-70.43	1,403.61	1,337.72	65.90	21.301		
8,800.00	7,875.00	7,786.60	7,543.63	46.80	31.79	-37.37	-1,206.40	-58.94	1,498.46	1,433.12	65.34	22.934		
8,900.00	7,875.00	7,779.38	7,538.07	48.37	31.73	-37.37	-1,202.25	-56.93	1,594.70	1,529.26	65.44	24.369		
9,000.00	7,875.00	7,772.78	7,532.96	50.05	31.68	-37.35	-1,198.46	-55.18	1,691.27	1,625.74	65.53	25.810		
9,100.00	7,875.00	7,766.72	7,528.24	51.83	31.63	-37.34	-1,195.00	-53.63	1,788.12	1,722.52	65.61	27.256		
9,200.00	7,875.00	7,729.00	7,498.29	53.70	31.34	-37.21	-1,173.59	-45.44	1,886.43	1,821.37	65.06	28.997		
9,300.00	7,875.00	7,729.00	7,498.29	55.65	31.34	-37.21	-1,173.59	-45.44	1,983.40	1,918.16	65.24	30.404		
9,400.00	7,875.00	7,729.00	7,498.29	57.66	31.34	-37.21	-1,173.59	-45.44	2,080.66	2,015.26	65.40	31.816		
9,500.00	7,875.00	7,729.00	7,498.29	59.74	31.34	-37.21	-1,173.59	-45.44	2,178.16	2,112.62	65.54	33.235		
9,600.00	7,875.00	7,729.00	7,498.29	61.88	31.34	-37.21	-1,173.59	-45.44	2,275.88	2,210.22	65.67	34.658		
9,700.00	7,875.00	7,729.00	7,498.29	64.06	31.34	-37.21	-1,173.59	-45.44	2,373.80	2,308.01	65.78	36.085		
9,800.00	7,875.00	7,729.00	7,498.29	66.28	31.34	-37.21	-1,173.59	-45.44	2,471.87	2,405.98	65.89	37.515		
9,900.00	7,875.00	7,729.00	7,498.29	68.54	31.34	-37.21	-1,173.59	-45.44	2,570.10	2,504.11	65.99	38.947		
10,000.00	7,875.00	7,729.00	7,498.29	70.84	31.34	-37.21	-1,173.59	-45.44	2,668.46	2,602.38	66.08	40.382		
10,100.00	7,875.00	7,729.00	7,498.29	73.16	31.34	-37.21	-1,173.59	-45.44	2,766.94	2,700.77	66.17	41.819		
10,200.00	7,875.00	7,729.00	7,498.29	75.51	31.34	-37.21	-1,173.59	-45.44	2,865.52	2,799.27	66.24	43.257		
10,300.00	7,875.00	7,729.00	7,498.29	77.89	31.34	-37.21	-1,173.59	-45.44	2,964.20	2,897.88	66.32	44.695		
10,400.00	7,875.00	7,729.00	7,498.29	80.29	31.34	-37.21	-1,173.59	-45.44	3,062.96	2,996.57	66.39	46.135		
10,500.00	7,875.00	7,729.00	7,498.29	82.70	31.34	-37.21	-1,173.59	-45.44	3,161.80	3,095.34	66.46	47.575		
10,600.00	7,875.00	7,729.00	7,498.29	85.14	31.34	-37.21	-1,173.59	-45.44	3,260.71	3,194.19	66.52	49.016		
10,700.00	7,875.00	7,729.00	7,498.29	87.59	31.34	-37.21	-1,173.59	-45.44	3,359.69	3,293.10	66.59	50.456		
10,800.00	7,875.00	7,729.00	7,498.29	90.06	31.34	-37.21	-1,173.59	-45.44	3,458.72	3,392.07	66.65	51.896		
10,900.00	7,875.00	7,729.00	7,498.29	92.53	31.34	-37.21	-1,173.59	-45.44	3,557.81	3,491.10	66.71	53.336		
11,000.00	7,875.00	7,729.00	7,498.29	95.03	31.34	-37.21	-1,173.59	-45.44	3,656.95	3,590.19	66.76	54.776		
11,100.00	7,875.00	7,729.00	7,498.29	97.53	31.34	-37.21	-1,173.59	-45.44	3,756.13	3,689.31	66.82	56.215		
11,200.00	7,875.00	7,690.77	7,466.93	100.04	31.05	-36.96	-1,152.62	-39.28	3,854.29	3,787.92	66.37	58.072		
11,300.00	7,875.00	7,688.47	7,465.01	102.57	31.03	-36.94	-1,151.40	-38.96	3,953.43	3,887.03	66.40	59.541		
11,400.00	7,875.00	7,686.26	7,463.16	105.10	31.02	-36.93	-1,150.22	-38.67	4,052.61	3,986.18	66.43	61.008		
11,500.00	7,875.00	7,684.14	7,461.39	107.64	31.00	-36.91	-1,149.10	-38.39	4,151.81	4,085.36	66.46	62.475		
11,600.00	7,875.00	7,682.11	7,459.68	110.19	30.98	-36.89	-1,148.03	-38.13	4,251.05	4,184.56	66.49	63.939		
11,700.00	7,875.00	7,680.15	7,458.04	112.74	30.97	-36.87	-1,147.00	-37.88	4,350.32	4,283.80	66.52	65.402		
11,800.00	7,875.00	7,678.27	7,456.45	115.31	30.96	-36.85	-1,146.01	-37.65	4,449.61	4,383.06	66.55	66.864		
11,900.00	7,875.00	7,676.46	7,454.92	117.87	30.94	-36.84	-1,145.06	-37.43	4,548.93	4,482.35	66.58	68.324		
12,000.00	7,875.00	7,674.71	7,453.45	120.45	30.93	-36.82	-1,144.15	-37.22	4,648.28	4,581.67	66.61	69.782		
12,100.00	7,875.00	7,635.00	7,419.39	123.03	30.63	-36.38	-1,124.08	-33.46	4,748.67	4,682.47	66.19	71.741		
12,200.00	7,875.00	7,635.00	7,419.39	125.61	30.63	-36.38	-1,124.08	-33.46	4,847.97	4,781.72	66.25	73.180		
12,300.00	7,875.00	7,635.00	7,419.39	128.20	30.63	-36.38	-1,124.08	-33.46	4,947.30	4,881.00	66.30	74.617		
12,400.00	7,875.00	7,635.00	7,419.39	130.79	30.63	-36.38	-1,124.08	-33.46	5,046.66	4,980.30	66.36	76.052		
12,500.00	7,875.00	7,635.00	7,419.39	133.39	30.63	-36.38	-1,124.08	-33.46	5,146.04	5,079.63	66.41	77.485		
12,600.00	7,875.00	7,635.00	7,419.39	135.99	30.63	-36.38	-1,124.08	-33.46	5,245.45	5,178.98	66.47	78.917		
12,700.00	7,875.00	7,635.00	7,419.39	138.60	30.63	-36.38	-1,124.08	-33.46	5,344.87	5,278.35	66.52	80.346		
12,800.00	7,875.00	7,635.00	7,419.39	141.21	30.63	-36.38	-1,124.08	-33.46	5,444.32	5,377.75	66.58	81.774		
12,900.00	7,875.00	7,635.00	7,419.39	143.82	30.63	-36.38	-1,124.08	-33.46	5,543.79	5,477.16	66.63	83.199		
13,000.00	7,875.00	7,635.00	7,419.39	146.43	30.63	-36.38	-1,124.08	-33.46	5,643.28	5,576.59	66.69	84.622		

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 3AH
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 3AH	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	7,875.00	7,635.00	7,419.39	149.05	30.63	-36.38	-1,124.08	-33.46	5,742.79	5,676.04	66.74	86.043		
13,200.00	7,875.00	7,635.00	7,419.39	151.67	30.63	-36.38	-1,124.08	-33.46	5,842.31	5,775.51	66.80	87.462		
13,300.00	7,875.00	7,635.00	7,419.39	154.30	30.63	-36.38	-1,124.08	-33.46	5,941.85	5,874.99	66.85	88.879		
13,400.00	7,875.00	7,635.00	7,419.39	156.92	30.63	-36.38	-1,124.08	-33.46	6,041.40	5,974.49	66.91	90.293		
13,500.00	7,875.00	7,635.00	7,419.39	159.55	30.63	-36.38	-1,124.08	-33.46	6,140.97	6,074.00	66.96	91.704		
13,600.00	7,875.00	7,635.00	7,419.39	162.18	30.63	-36.38	-1,124.08	-33.46	6,240.55	6,173.53	67.02	93.113		
13,700.00	7,875.00	7,635.00	7,419.39	164.81	30.63	-36.38	-1,124.08	-33.46	6,340.15	6,273.07	67.08	94.520		
13,800.00	7,875.00	7,635.00	7,419.39	167.45	30.63	-36.38	-1,124.08	-33.46	6,439.75	6,372.62	67.13	95.924		
13,900.00	7,875.00	7,635.00	7,419.39	170.08	30.63	-36.38	-1,124.08	-33.46	6,539.37	6,472.18	67.19	97.325		
14,000.00	7,875.00	7,635.00	7,419.39	172.72	30.63	-36.38	-1,124.08	-33.46	6,639.00	6,571.76	67.25	98.724		
14,100.00	7,875.00	7,635.00	7,419.39	175.36	30.63	-36.38	-1,124.08	-33.46	6,738.65	6,671.34	67.31	100.120		
14,200.00	7,875.00	7,635.00	7,419.39	178.00	30.63	-36.38	-1,124.08	-33.46	6,838.30	6,770.94	67.36	101.513		
14,300.00	7,875.00	7,635.00	7,419.39	180.65	30.63	-36.38	-1,124.08	-33.46	6,937.96	6,870.54	67.42	102.903		
14,400.00	7,875.00	7,635.00	7,419.39	183.29	30.63	-36.38	-1,124.08	-33.46	7,037.63	6,970.15	67.48	104.291		
14,500.00	7,875.00	7,635.00	7,419.39	185.94	30.63	-36.38	-1,124.08	-33.46	7,137.32	7,069.78	67.54	105.676		
14,600.00	7,875.00	7,635.00	7,419.39	188.59	30.63	-36.38	-1,124.08	-33.46	7,237.01	7,169.41	67.60	107.057		
14,700.00	7,875.00	7,635.00	7,419.39	191.23	30.63	-36.38	-1,124.08	-33.46	7,336.70	7,269.04	67.66	108.436		
14,800.00	7,875.00	7,635.00	7,419.39	193.89	30.63	-36.38	-1,124.08	-33.46	7,436.41	7,368.69	67.72	109.812		
14,900.00	7,875.00	7,635.00	7,419.39	196.54	30.63	-36.38	-1,124.08	-33.46	7,536.12	7,468.34	67.78	111.184		
15,000.00	7,875.00	7,635.00	7,419.39	199.19	30.63	-36.38	-1,124.08	-33.46	7,635.85	7,568.00	67.84	112.554		
15,100.00	7,875.00	7,635.00	7,419.39	201.84	30.63	-36.38	-1,124.08	-33.46	7,735.58	7,667.67	67.90	113.921		
15,200.00	7,875.00	7,635.00	7,419.39	204.50	30.63	-36.38	-1,124.08	-33.46	7,835.31	7,767.35	67.97	115.284		
15,300.00	7,875.00	7,635.00	7,419.39	207.15	30.63	-36.38	-1,124.08	-33.46	7,935.05	7,867.03	68.03	116.644		
15,400.00	7,875.00	7,635.00	7,419.39	209.81	30.63	-36.38	-1,124.08	-33.46	8,034.80	7,966.71	68.09	118.001		
15,500.00	7,875.00	7,635.00	7,419.39	212.47	30.63	-36.38	-1,124.08	-33.46	8,134.56	8,066.40	68.15	119.355		
15,600.00	7,875.00	7,635.00	7,419.39	215.13	30.63	-36.38	-1,124.08	-33.46	8,234.32	8,166.10	68.22	120.705		
15,700.00	7,875.00	7,635.00	7,419.39	217.79	30.63	-36.38	-1,124.08	-33.46	8,334.09	8,265.80	68.28	122.053		
15,800.00	7,875.00	7,635.00	7,419.39	220.45	30.63	-36.38	-1,124.08	-33.46	8,433.86	8,365.51	68.35	123.397		
15,900.00	7,875.00	7,635.00	7,419.39	223.11	30.63	-36.38	-1,124.08	-33.46	8,533.64	8,465.22	68.41	124.737		
16,000.00	7,875.00	7,635.00	7,419.39	225.77	30.63	-36.38	-1,124.08	-33.46	8,633.42	8,564.94	68.48	126.074		
16,100.00	7,875.00	7,635.00	7,419.39	228.44	30.63	-36.38	-1,124.08	-33.46	8,733.21	8,664.66	68.55	127.408		
16,200.00	7,875.00	7,635.00	7,419.39	231.10	30.63	-36.38	-1,124.08	-33.46	8,833.00	8,764.39	68.61	128.738		
16,300.00	7,875.00	7,635.00	7,419.39	233.76	30.63	-36.38	-1,124.08	-33.46	8,932.80	8,864.12	68.68	130.065		
16,400.00	7,875.00	7,635.00	7,419.39	236.43	30.63	-36.38	-1,124.08	-33.46	9,032.60	8,963.85	68.75	131.389		
16,500.00	7,875.00	7,635.00	7,419.39	239.09	30.63	-36.38	-1,124.08	-33.46	9,132.40	9,063.59	68.82	132.709		
16,600.00	7,875.00	7,635.00	7,419.39	241.76	30.63	-36.38	-1,124.08	-33.46	9,232.21	9,163.33	68.88	134.025		
16,700.00	7,875.00	7,635.00	7,419.39	244.43	30.63	-36.38	-1,124.08	-33.46	9,332.03	9,263.07	68.95	135.338		
16,800.00	7,875.00	7,635.00	7,419.39	247.10	30.63	-36.38	-1,124.08	-33.46	9,431.85	9,362.82	69.02	136.647		
16,900.00	7,875.00	7,635.00	7,419.39	249.76	30.63	-36.38	-1,124.08	-33.46	9,531.67	9,462.58	69.09	137.953		
17,000.00	7,875.00	7,635.00	7,419.39	252.43	30.63	-36.38	-1,124.08	-33.46	9,631.49	9,562.33	69.16	139.255		
17,100.00	7,875.00	7,635.00	7,419.39	255.10	30.63	-36.38	-1,124.08	-33.46	9,731.32	9,662.09	69.24	140.554		
17,200.00	7,875.00	7,635.00	7,419.39	257.77	30.63	-36.38	-1,124.08	-33.46	9,831.16	9,761.85	69.31	141.849		
17,300.00	7,875.00	7,635.00	7,419.39	260.44	30.63	-36.38	-1,124.08	-33.46	9,930.99	9,861.61	69.38	143.140		

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3AH
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 3AH	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	3,636.67	14,842.00	7,838.79	17.02	192.01	-64.46	-3,127.27	8,872.28	9,989.51	9,922.10	67.42	148.178		
3,800.00	3,734.60	14,842.00	7,838.79	17.52	192.01	-64.46	-3,127.27	8,872.28	9,939.24	9,871.64	67.61	147.010		
3,900.00	3,832.53	14,842.00	7,838.79	18.02	192.01	-64.46	-3,127.27	8,872.28	9,889.73	9,821.93	67.80	145.860		
4,000.00	3,930.46	14,842.00	7,838.79	18.52	192.01	-64.46	-3,127.27	8,872.28	9,840.99	9,772.99	68.00	144.728		
4,100.00	4,028.39	14,842.00	7,838.79	19.02	192.01	-64.46	-3,127.27	8,872.28	9,793.02	9,724.83	68.19	143.613		
4,200.00	4,126.32	14,842.00	7,838.79	19.52	192.01	-64.46	-3,127.27	8,872.28	9,745.85	9,677.46	68.38	142.516		
4,300.00	4,224.25	14,842.00	7,838.79	20.01	192.01	-64.46	-3,127.27	8,872.28	9,699.48	9,630.90	68.58	141.438		
4,400.00	4,322.18	14,842.00	7,838.79	20.51	192.01	-64.46	-3,127.27	8,872.28	9,653.91	9,585.14	68.77	140.377		
4,500.00	4,420.11	14,842.00	7,838.79	21.01	192.01	-64.46	-3,127.27	8,872.28	9,609.18	9,540.21	68.96	139.335		
4,600.00	4,518.05	14,842.00	7,838.79	21.51	192.01	-64.46	-3,127.27	8,872.28	9,565.28	9,496.12	69.16	138.310		
4,700.00	4,615.98	14,842.00	7,838.79	22.01	192.01	-64.46	-3,127.27	8,872.28	9,522.23	9,452.88	69.35	137.304		
4,800.00	4,713.91	14,842.00	7,838.79	22.51	192.01	-64.46	-3,127.27	8,872.28	9,480.03	9,410.49	69.54	136.316		
4,900.00	4,811.84	14,842.00	7,838.79	23.01	192.01	-64.46	-3,127.27	8,872.28	9,438.71	9,368.97	69.74	135.346		
5,000.00	4,909.77	14,842.00	7,838.79	23.51	192.01	-64.46	-3,127.27	8,872.28	9,398.27	9,328.34	69.93	134.395		
5,100.00	5,007.70	14,842.00	7,838.79	24.01	192.01	-64.46	-3,127.27	8,872.28	9,358.73	9,288.60	70.12	133.461		
5,200.00	5,105.63	14,842.00	7,838.79	24.51	192.01	-64.46	-3,127.27	8,872.28	9,320.09	9,249.77	70.32	132.545		
5,300.00	5,203.56	14,842.00	7,838.79	25.01	192.01	-64.46	-3,127.27	8,872.28	9,282.36	9,211.85	70.51	131.648		
5,400.00	5,301.49	14,842.00	7,838.79	25.51	192.01	-64.46	-3,127.27	8,872.28	9,245.57	9,174.87	70.70	130.768		
5,500.00	5,399.43	14,842.00	7,838.79	26.01	192.01	-64.46	-3,127.27	8,872.28	9,209.71	9,138.82	70.89	129.906		
5,600.00	5,497.36	14,842.00	7,838.79	26.51	192.01	-64.46	-3,127.27	8,872.28	9,174.80	9,103.72	71.09	129.063		
5,700.00	5,595.29	14,842.00	7,838.79	27.01	192.01	-64.46	-3,127.27	8,872.28	9,140.86	9,069.58	71.28	128.236		
5,800.00	5,693.22	14,842.00	7,838.79	27.51	192.01	-64.46	-3,127.27	8,872.28	9,107.88	9,036.41	71.48	127.427		
5,900.00	5,791.15	14,842.00	7,838.79	28.01	192.01	-64.46	-3,127.27	8,872.28	9,075.89	9,004.22	71.67	126.636		
6,000.00	5,889.08	14,842.00	7,838.79	28.51	192.01	-64.46	-3,127.27	8,872.28	9,044.89	8,973.02	71.86	125.862		
6,100.00	5,987.01	14,842.00	7,838.79	29.01	192.01	-64.46	-3,127.27	8,872.28	9,014.89	8,942.83	72.06	125.105		
6,200.00	6,084.94	14,842.00	7,838.79	29.51	192.01	-64.46	-3,127.27	8,872.28	8,985.90	8,913.65	72.25	124.365		
6,300.00	6,182.87	14,842.00	7,838.79	30.01	192.01	-64.46	-3,127.27	8,872.28	8,957.94	8,885.49	72.45	123.641		
6,400.00	6,280.80	14,842.00	7,838.79	30.51	192.01	-64.46	-3,127.27	8,872.28	8,931.01	8,858.36	72.65	122.934		
6,500.00	6,378.74	14,842.00	7,838.79	31.01	192.01	-64.46	-3,127.27	8,872.28	8,905.12	8,832.28	72.85	122.244		
6,600.00	6,476.67	14,842.00	7,838.79	31.51	192.01	-64.46	-3,127.27	8,872.28	8,880.29	8,807.24	73.05	121.569		
6,700.00	6,574.60	14,842.00	7,838.79	32.01	192.01	-64.46	-3,127.27	8,872.28	8,856.51	8,783.26	73.25	120.910		
6,800.00	6,672.53	14,842.00	7,838.79	32.51	192.01	-64.46	-3,127.27	8,872.28	8,833.80	8,760.35	73.45	120.267		
6,900.00	6,770.46	14,842.00	7,838.79	33.01	192.01	-64.46	-3,127.27	8,872.28	8,812.16	8,738.51	73.66	119.639		
7,000.00	6,868.39	14,842.00	7,838.79	33.51	192.01	-64.46	-3,127.27	8,872.28	8,791.61	8,717.75	73.86	119.026		
7,100.00	6,966.32	14,842.00	7,838.79	34.01	192.01	-64.46	-3,127.27	8,872.28	8,772.15	8,698.08	74.07	118.427		
7,200.00	7,064.25	14,842.00	7,838.79	34.51	192.01	-64.46	-3,127.27	8,872.28	8,753.80	8,679.51	74.28	117.843		
7,300.00	7,162.18	14,842.00	7,838.79	35.01	192.01	-64.46	-3,127.27	8,872.28	8,736.54	8,662.05	74.50	117.273		
7,400.00	7,260.11	14,842.00	7,838.79	35.51	192.01	-64.46	-3,127.27	8,872.28	8,720.40	8,645.69	74.71	116.717		
7,485.17	7,343.52	14,842.00	7,838.79	35.94	192.01	-64.46	-3,127.27	8,872.28	8,707.54	8,632.64	74.90	116.254		
7,500.00	7,358.03	14,842.00	7,838.79	36.01	192.01	-57.75	-3,127.27	8,872.28	8,705.20	8,630.26	74.93	116.170		
7,550.00	7,406.68	14,842.00	7,838.79	36.27	192.01	-39.53	-3,127.27	8,872.28	8,694.74	8,619.69	75.05	115.849		
7,600.00	7,454.62	14,842.00	7,838.79	36.54	192.01	-27.49	-3,127.27	8,872.28	8,680.41	8,605.23	75.18	115.467		
7,650.00	7,501.47	14,842.00	7,838.79	36.81	192.01	-19.50	-3,127.27	8,872.28	8,662.28	8,586.97	75.31	115.029		
7,700.00	7,546.90	14,842.00	7,838.79	37.08	192.01	-13.88	-3,127.27	8,872.28	8,640.47	8,565.03	75.44	114.539		
7,750.00	7,590.54	14,842.00	7,838.79	37.36	192.01	-9.66	-3,127.27	8,872.28	8,615.12	8,539.55	75.57	114.002		
7,800.00	7,632.07	14,842.00	7,838.79	37.65	192.01	-6.26	-3,127.27	8,872.28	8,586.39	8,510.69	75.70	113.421		
7,850.00	7,671.18	14,842.00	7,838.79	37.94	192.01	-3.31	-3,127.27	8,872.28	8,554.47	8,478.64	75.84	112.802		
7,900.00	7,707.56	14,842.00	7,838.79	38.23	192.01	-0.56	-3,127.27	8,872.28	8,519.57	8,443.61	75.97	112.148		
7,950.00	7,740.93	14,842.00	7,838.79	38.53	192.01	2.21	-3,127.27	8,872.28	8,481.92	8,405.83	76.09	111.466		
8,000.00	7,771.06	14,842.00	7,838.79	38.84	192.01	5.21	-3,127.27	8,872.28	8,441.76	8,365.55	76.22	110.759		
8,050.00	7,797.69	14,842.00	7,838.79	39.16	192.01	8.71	-3,127.27	8,872.28	8,399.38	8,323.05	76.34	110.033		
8,100.00	7,820.64	14,842.00	7,838.79	39.50	192.01	13.13	-3,127.27	8,872.28	8,355.06	8,278.61	76.45	109.291		

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 3AH
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 3AH	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		
8,150.00	7,839.72	14,842.00	7,838.79	39.85	192.01	19.10	-3,127.27	8,872.28	8,309.11	8,232.56	76.56	108.538		
8,200.00	7,854.80	14,842.00	7,838.79	40.22	192.01	27.78	-3,127.27	8,872.28	8,261.86	8,185.20	76.66	107.777		
8,250.00	7,865.75	14,842.00	7,838.79	40.60	192.01	41.11	-3,127.27	8,872.28	8,213.64	8,136.89	76.76	107.011		
8,300.00	7,872.50	14,842.00	7,838.79	41.01	192.01	61.29	-3,127.27	8,872.28	8,164.82	8,087.97	76.85	106.244		
8,354.11	7,875.00	14,842.00	7,838.79	41.47	192.01	88.69	-3,127.27	8,872.28	8,111.72	8,034.77	76.95	105.414		
8,400.00	7,875.00	14,842.00	7,838.79	41.89	192.01	88.69	-3,127.27	8,872.28	8,066.69	7,989.65	77.04	104.711		
8,500.00	7,875.00	14,842.00	7,838.79	42.90	192.01	88.69	-3,127.27	8,872.28	7,968.62	7,891.38	77.24	103.171		
8,600.00	7,875.00	14,842.00	7,838.79	44.06	192.01	88.69	-3,127.27	8,872.28	7,870.59	7,793.14	77.45	101.618		
8,700.00	7,875.00	14,842.00	7,838.79	45.36	192.01	88.69	-3,127.27	8,872.28	7,772.62	7,694.93	77.68	100.054		
8,800.00	7,875.00	14,842.00	7,838.79	46.80	192.01	88.69	-3,127.27	8,872.28	7,674.70	7,596.76	77.93	98.477		
8,900.00	7,875.00	14,842.00	7,838.79	48.37	192.01	88.69	-3,127.27	8,872.28	7,576.83	7,498.63	78.20	96.887		
9,000.00	7,875.00	14,842.00	7,838.79	50.05	192.01	88.69	-3,127.27	8,872.28	7,479.02	7,400.53	78.49	95.284		
9,100.00	7,875.00	14,842.00	7,838.79	51.83	192.01	88.69	-3,127.27	8,872.28	7,381.26	7,302.46	78.80	93.668		
9,200.00	7,875.00	14,842.00	7,838.79	53.70	192.01	88.69	-3,127.27	8,872.28	7,283.57	7,204.44	79.14	92.038		
9,300.00	7,875.00	14,842.00	7,838.79	55.65	192.01	88.69	-3,127.27	8,872.28	7,185.95	7,106.45	79.50	90.394		
9,400.00	7,875.00	14,842.00	7,838.79	57.66	192.01	88.69	-3,127.27	8,872.28	7,088.38	7,008.50	79.88	88.737		
9,500.00	7,875.00	14,842.00	7,838.79	59.74	192.01	88.69	-3,127.27	8,872.28	6,990.89	6,910.60	80.29	87.066		
9,600.00	7,875.00	14,842.00	7,838.79	61.88	192.01	88.69	-3,127.27	8,872.28	6,893.47	6,812.73	80.74	85.380		
9,700.00	7,875.00	14,842.00	7,838.79	64.06	192.01	88.69	-3,127.27	8,872.28	6,796.12	6,714.91	81.22	83.680		
9,800.00	7,875.00	14,842.00	7,838.79	66.28	192.01	88.69	-3,127.27	8,872.28	6,698.85	6,617.13	81.73	81.967		
9,900.00	7,875.00	14,842.00	7,838.79	68.54	192.01	88.69	-3,127.27	8,872.28	6,601.67	6,519.39	82.28	80.239		
10,000.00	7,875.00	14,842.00	7,838.79	70.84	192.01	88.69	-3,127.27	8,872.28	6,504.57	6,421.70	82.86	78.497		
10,100.00	7,875.00	14,842.00	7,838.79	73.16	192.01	88.69	-3,127.27	8,872.28	6,407.56	6,324.06	83.49	76.742		
10,200.00	7,875.00	14,842.00	7,838.79	75.51	192.01	88.69	-3,127.27	8,872.28	6,310.64	6,226.47	84.17	74.974		
10,300.00	7,875.00	14,842.00	7,838.79	77.89	192.01	88.69	-3,127.27	8,872.28	6,213.82	6,128.92	84.90	73.193		
10,400.00	7,875.00	14,842.00	7,838.79	80.29	192.01	88.69	-3,127.27	8,872.28	6,117.10	6,031.42	85.67	71.400		
10,500.00	7,875.00	14,842.00	7,838.79	82.70	192.01	88.69	-3,127.27	8,872.28	6,020.48	5,933.98	86.51	69.596		
10,600.00	7,875.00	14,842.00	7,838.79	85.14	192.01	88.69	-3,127.27	8,872.28	5,923.99	5,836.59	87.40	67.782		
10,700.00	7,875.00	14,842.00	7,838.79	87.59	192.01	88.69	-3,127.27	8,872.28	5,827.60	5,739.25	88.35	65.959		
10,800.00	7,875.00	14,842.00	7,838.79	90.06	192.01	88.69	-3,127.27	8,872.28	5,731.35	5,641.97	89.37	64.128		
10,900.00	7,875.00	14,842.00	7,838.79	92.53	192.01	88.69	-3,127.27	8,872.28	5,635.22	5,544.75	90.47	62.290		
11,000.00	7,875.00	14,842.00	7,838.79	95.03	192.01	88.69	-3,127.27	8,872.28	5,539.23	5,447.59	91.64	60.448		
11,100.00	7,875.00	14,842.00	7,838.79	97.53	192.01	88.69	-3,127.27	8,872.28	5,443.39	5,350.50	92.89	58.602		
11,200.00	7,875.00	14,842.00	7,838.79	100.04	192.01	88.69	-3,127.27	8,872.28	5,347.69	5,253.47	94.22	56.756		
11,300.00	7,875.00	14,842.00	7,838.79	102.57	192.01	88.69	-3,127.27	8,872.28	5,252.16	5,156.51	95.65	54.911		
11,400.00	7,875.00	14,842.00	7,838.79	105.10	192.01	88.69	-3,127.27	8,872.28	5,156.80	5,059.63	97.17	53.069		
11,500.00	7,875.00	14,842.00	7,838.79	107.64	192.01	88.69	-3,127.27	8,872.28	5,061.61	4,962.82	98.80	51.233		
11,600.00	7,875.00	14,842.00	7,838.79	110.19	192.01	88.69	-3,127.27	8,872.28	4,966.62	4,866.09	100.53	49.406		
11,700.00	7,875.00	14,842.00	7,838.79	112.74	192.01	88.69	-3,127.27	8,872.28	4,871.82	4,769.45	102.37	47.589		
11,800.00	7,875.00	14,842.00	7,838.79	115.31	192.01	88.69	-3,127.27	8,872.28	4,777.24	4,672.90	104.34	45.786		
11,900.00	7,875.00	14,842.00	7,838.79	117.87	192.01	88.69	-3,127.27	8,872.28	4,682.88	4,576.45	106.43	44.000		
12,000.00	7,875.00	14,842.00	7,838.79	120.45	192.01	88.69	-3,127.27	8,872.28	4,588.77	4,480.11	108.66	42.232		
12,100.00	7,875.00	14,842.00	7,838.79	123.03	192.01	88.69	-3,127.27	8,872.28	4,494.90	4,383.88	111.02	40.487		
12,200.00	7,875.00	14,842.00	7,838.79	125.61	192.01	88.69	-3,127.27	8,872.28	4,401.31	4,287.77	113.53	38.766		
12,300.00	7,875.00	14,842.00	7,838.79	128.20	192.01	88.69	-3,127.27	8,872.28	4,308.00	4,191.80	116.20	37.073		
12,400.00	7,875.00	14,842.00	7,838.79	130.79	192.01	88.69	-3,127.27	8,872.28	4,215.00	4,095.97	119.04	35.409		
12,500.00	7,875.00	14,842.00	7,838.79	133.39	192.01	88.69	-3,127.27	8,872.28	4,122.33	4,000.29	122.04	33.777		
12,600.00	7,875.00	14,842.00	7,838.79	135.99	192.01	88.69	-3,127.27	8,872.28	4,030.01	3,904.78	125.23	32.180		
12,700.00	7,875.00	14,842.00	7,838.79	138.60	192.01	88.69	-3,127.27	8,872.28	3,938.07	3,809.45	128.61	30.619		
12,800.00	7,875.00	14,842.00	7,838.79	141.21	192.01	88.69	-3,127.27	8,872.28	3,846.52	3,714.33	132.20	29.097		
12,900.00	7,875.00	14,842.00	7,838.79	143.82	192.01	88.69	-3,127.27	8,872.28	3,755.41	3,619.42	135.99	27.615		
13,000.00	7,875.00	14,842.00	7,838.79	146.43	192.01	88.69	-3,127.27	8,872.28	3,664.76	3,524.75	140.01	26.175		

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 3AH
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 3AH	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	7,875.00	14,842.00	7,838.79	149.05	192.01	88.69	-3,127.27	8,872.28	3,574.61	3,430.34	144.27	24.778		
13,200.00	7,875.00	14,842.00	7,838.79	151.67	192.01	88.69	-3,127.27	8,872.28	3,485.00	3,336.22	148.77	23.425		
13,300.00	7,875.00	14,842.00	7,838.79	154.30	192.01	88.69	-3,127.27	8,872.28	3,395.96	3,242.42	153.54	22.117		
13,400.00	7,875.00	14,842.00	7,838.79	156.92	192.01	88.69	-3,127.27	8,872.28	3,307.56	3,148.97	158.59	20.856		
13,500.00	7,875.00	14,842.00	7,838.79	159.55	192.01	88.69	-3,127.27	8,872.28	3,219.83	3,055.90	163.93	19.641		
13,600.00	7,875.00	14,842.00	7,838.79	162.18	192.01	88.69	-3,127.27	8,872.28	3,132.84	2,963.25	169.58	18.474		
13,700.00	7,875.00	14,842.00	7,838.79	164.81	192.01	88.69	-3,127.27	8,872.28	3,046.65	2,871.08	175.56	17.354		
13,800.00	7,875.00	14,842.00	7,838.79	167.45	192.01	88.69	-3,127.27	8,872.28	2,961.32	2,779.44	181.88	16.281		
13,900.00	7,875.00	14,842.00	7,838.79	170.08	192.01	88.69	-3,127.27	8,872.28	2,876.94	2,688.38	188.56	15.257		
14,000.00	7,875.00	14,842.00	7,838.79	172.72	192.01	88.69	-3,127.27	8,872.28	2,793.59	2,597.97	195.63	14.280		
14,100.00	7,875.00	14,842.00	7,838.79	175.36	192.01	88.69	-3,127.27	8,872.28	2,711.37	2,508.29	203.08	13.351		
14,200.00	7,875.00	14,842.00	7,838.79	178.00	192.01	88.69	-3,127.27	8,872.28	2,630.38	2,419.42	210.96	12.469		
14,300.00	7,875.00	14,842.00	7,838.79	180.65	192.01	88.69	-3,127.27	8,872.28	2,550.74	2,331.48	219.26	11.633		
14,400.00	7,875.00	14,842.00	7,838.79	183.29	192.01	88.69	-3,127.27	8,872.28	2,472.58	2,244.57	228.01	10.844		
14,500.00	7,875.00	14,842.00	7,838.79	185.94	192.01	88.69	-3,127.27	8,872.28	2,396.04	2,158.83	237.21	10.101		
14,600.00	7,875.00	14,842.00	7,838.79	188.59	192.01	88.69	-3,127.27	8,872.28	2,321.29	2,074.41	246.88	9.403		
14,700.00	7,875.00	14,842.00	7,838.79	191.23	192.01	88.69	-3,127.27	8,872.28	2,248.50	1,991.50	257.00	8.749		
14,800.00	7,875.00	14,842.00	7,838.79	193.89	192.01	88.69	-3,127.27	8,872.28	2,177.87	1,910.28	267.59	8.139		
14,900.00	7,875.00	14,842.00	7,838.79	196.54	192.01	88.69	-3,127.27	8,872.28	2,109.62	1,831.01	278.61	7.572		
15,000.00	7,875.00	14,842.00	7,838.79	199.19	192.01	88.69	-3,127.27	8,872.28	2,043.98	1,753.94	290.04	7.047		
15,100.00	7,875.00	14,842.00	7,838.79	201.84	192.01	88.69	-3,127.27	8,872.28	1,981.22	1,679.38	301.84	6.564		
15,200.00	7,875.00	14,842.00	7,838.79	204.50	192.01	88.69	-3,127.27	8,872.28	1,921.61	1,607.68	313.93	6.121		
15,300.00	7,875.00	14,842.00	7,838.79	207.15	192.01	88.69	-3,127.27	8,872.28	1,865.47	1,539.23	326.24	5.718		
15,400.00	7,875.00	14,842.00	7,838.79	209.81	192.01	88.69	-3,127.27	8,872.28	1,813.10	1,474.46	338.64	5.354		
15,500.00	7,875.00	14,842.00	7,838.79	212.47	192.01	88.69	-3,127.27	8,872.28	1,764.85	1,413.85	351.00	5.028		
15,600.00	7,875.00	14,842.00	7,838.79	215.13	192.01	88.69	-3,127.27	8,872.28	1,721.07	1,357.91	363.16	4.739		
15,700.00	7,875.00	14,842.00	7,838.79	217.79	192.01	88.69	-3,127.27	8,872.28	1,682.09	1,307.18	374.91	4.487		
15,800.00	7,875.00	14,842.00	7,838.79	220.45	192.01	88.69	-3,127.27	8,872.28	1,648.27	1,262.22	386.06	4.270		
15,900.00	7,875.00	14,842.00	7,838.79	223.11	192.01	88.69	-3,127.27	8,872.28	1,619.93	1,223.57	396.36	4.087		
16,000.00	7,875.00	14,842.00	7,838.79	225.77	192.01	88.69	-3,127.27	8,872.28	1,597.36	1,191.75	405.61	3.938		
16,100.00	7,875.00	14,842.00	7,838.79	228.44	192.01	88.69	-3,127.27	8,872.28	1,580.80	1,167.22	413.57	3.822		
16,200.00	7,875.00	14,842.00	7,838.79	231.10	192.01	88.69	-3,127.27	8,872.28	1,570.44	1,150.36	420.08	3.738		
16,300.00	7,875.00	14,826.00	7,838.52	233.76	191.58	88.68	-3,127.15	8,888.27	1,566.33	1,142.02	424.31	3.691		
16,400.00	7,875.00	14,728.07	7,836.79	236.43	188.96	88.61	-3,126.43	8,986.19	1,564.51	1,140.11	424.39	3.686		
16,500.00	7,875.00	14,634.86	7,834.81	239.09	186.47	88.54	-3,125.98	9,079.38	1,562.94	1,138.27	424.67	3.680		
16,600.00	7,875.00	14,519.87	7,834.12	241.76	183.41	88.51	-3,124.95	9,194.36	1,560.87	1,136.85	424.02	3.681		
16,700.00	7,875.00	14,397.30	7,832.80	244.43	180.14	88.46	-3,122.84	9,316.90	1,558.07	1,135.11	422.97	3.684		
16,800.00	7,875.00	14,293.00	7,831.97	247.10	177.37	88.43	-3,119.72	9,421.14	1,553.96	1,131.20	422.76	3.676		
16,900.00	7,875.00	14,218.26	7,831.09	249.76	175.38	88.39	-3,118.22	9,495.86	1,550.83	1,126.87	423.95	3.658		
17,000.00	7,875.00	14,108.37	7,831.14	252.43	172.45	88.39	-3,116.40	9,605.74	1,548.02	1,124.51	423.51	3.655		
17,100.00	7,875.00	14,016.26	7,831.15	255.10	170.00	88.39	-3,114.98	9,697.84	1,545.33	1,121.45	423.88	3.646		
17,200.00	7,875.00	13,927.00	7,830.81	257.77	167.62	88.37	-3,113.77	9,787.09	1,542.87	1,118.51	424.37	3.636		
17,300.00	7,875.00	13,842.20	7,829.85	260.44	165.36	88.34	-3,113.74	9,871.88	1,541.71	1,116.70	425.01	3.627		
17,400.00	7,875.00	13,736.65	7,827.09	263.11	162.55	88.23	-3,113.72	9,977.39	1,540.62	1,115.84	424.78	3.627		
17,483.10	7,875.00	13,671.56	7,824.71	265.33	160.81	88.14	-3,113.88	10,042.44	1,540.01	1,114.51	425.50	3.619 CC		
17,500.00	7,875.00	13,661.12	7,824.32	265.79	160.53	88.13	-3,114.01	10,052.87	1,540.05	1,114.30	425.75	3.617 ES		
17,600.00	7,875.00	13,607.05	7,822.63	268.46	159.09	88.07	-3,115.53	10,106.88	1,541.89	1,114.59	427.30	3.608 SF		
17,700.00	7,875.00	13,527.83	7,821.72	271.13	156.97	88.04	-3,119.96	10,185.98	1,546.28	1,118.41	427.88	3.614		
17,800.00	7,875.00	13,447.22	7,820.13	273.80	154.82	87.98	-3,124.97	10,266.42	1,551.47	1,123.13	428.34	3.622		
17,900.00	7,875.00	13,365.00	7,819.09	276.48	152.62	87.95	-3,131.06	10,348.40	1,557.82	1,129.12	428.70	3.634		
18,000.00	7,875.00	13,259.04	7,818.60	279.15	149.79	87.94	-3,139.33	10,454.04	1,564.48	1,135.90	428.58	3.650		
18,100.00	7,875.00	13,116.61	7,817.26	281.82	145.99	87.91	-3,149.57	10,596.08	1,570.88	1,143.32	427.56	3.674		

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 3AH
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 3AH	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	7,875.00	13,009.20	7,816.00	284.50	143.12	87.87	-3,154.69	10,703.37	1,574.54	1,147.19	427.35	3.684	
18,265.67	7,875.00	12,927.20	7,814.52	286.26	140.94	87.82	-3,158.08	10,785.28	1,576.55	1,149.70	426.85	3.693	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3AH
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 3AH	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	116.44	-472.91	950.94	2,462.20					
100.00	100.00	2,218.00	2,217.98	0.13	0.00	116.44	-472.91	950.94	2,372.38	2,370.32	2.06	1,153.310		
200.00	200.00	2,218.00	2,217.98	0.49	0.00	116.44	-472.91	950.94	2,283.40	2,281.34	2.06	1,110.804		
250.00	250.00	2,218.00	2,217.98	0.67	0.00	116.44	-472.91	950.94	2,239.25	2,237.19	2.06	1,086.105		
300.00	300.00	2,218.00	2,217.98	0.84	0.00	-50.09	-472.91	950.94	2,195.23	2,193.15	2.08	1,056.379		
400.00	399.93	2,218.00	2,217.98	1.19	0.00	-53.00	-472.91	950.94	2,107.16	2,105.03	2.13	989.271		
500.00	499.68	2,218.00	2,217.98	1.54	0.00	-56.02	-472.91	950.94	2,019.16	2,016.95	2.21	914.481		
600.00	599.13	2,218.00	2,217.98	1.92	0.00	-59.12	-472.91	950.94	1,931.35	1,929.05	2.31	836.962		
700.00	698.15	2,218.00	2,217.98	2.31	0.00	-62.26	-472.91	950.94	1,843.89	1,841.46	2.43	758.189		
800.00	796.63	2,218.00	2,217.98	2.74	0.00	-65.42	-472.91	950.94	1,756.93	1,754.34	2.59	679.481		
833.76	829.73	2,218.00	2,217.98	2.89	0.00	-66.49	-472.91	950.94	1,727.72	1,725.07	2.65	652.088		
900.00	894.60	2,218.00	2,217.98	3.20	0.00	-66.49	-472.91	950.94	1,670.82	1,668.05	2.77	602.638		
1,000.00	992.53	2,218.00	2,217.98	3.67	0.00	-66.49	-472.91	950.94	1,586.30	1,583.31	2.99	530.491		
1,100.00	1,090.46	2,218.00	2,217.98	4.14	0.00	-66.49	-472.91	950.94	1,503.67	1,500.42	3.25	462.228		
1,200.00	1,188.39	2,218.00	2,217.98	4.62	0.00	-66.49	-472.91	950.94	1,423.28	1,419.72	3.56	399.297		
1,300.00	1,286.32	2,218.00	2,217.98	5.11	0.00	-66.49	-472.91	950.94	1,345.52	1,341.59	3.93	342.574		
1,400.00	1,384.25	2,218.00	2,217.98	5.60	0.00	-66.49	-472.91	950.94	1,270.87	1,266.53	4.35	292.441		
1,500.00	1,482.18	2,218.00	2,217.98	6.09	0.00	-66.49	-472.91	950.94	1,199.92	1,195.10	4.82	248.900		
1,600.00	1,580.12	2,218.00	2,217.98	6.58	0.00	-66.49	-472.91	950.94	1,133.36	1,128.01	5.35	211.692		
1,700.00	1,678.05	2,218.00	2,217.98	7.07	0.00	-66.49	-472.91	950.94	1,072.01	1,066.07	5.94	180.402		
1,800.00	1,775.98	2,218.00	2,217.98	7.57	0.00	-66.49	-472.91	950.94	1,016.81	1,010.23	6.58	154.534		
1,900.00	1,873.91	2,218.00	2,217.98	8.06	0.00	-66.49	-472.91	950.94	968.81	961.56	7.25	133.565		
2,000.00	1,971.84	2,218.00	2,217.98	8.55	0.00	-66.49	-472.91	950.94	929.14	921.19	7.94	116.979		
2,100.00	2,069.77	2,218.00	2,217.98	9.05	0.00	-66.49	-472.91	950.94	898.88	890.26	8.62	104.286		
2,200.00	2,167.70	2,218.00	2,217.98	9.55	0.00	-66.49	-472.91	950.94	879.03	869.78	9.25	95.033		
2,300.00	2,265.63	2,259.54	2,259.52	10.04	0.08	-66.99	-473.12	951.02	869.27	859.41	9.87	88.098		
2,400.00	2,363.56	2,356.97	2,356.95	10.54	0.33	-68.18	-473.45	951.33	861.78	851.15	10.63	81.080		
2,500.00	2,461.49	2,455.37	2,455.32	11.04	0.67	-69.56	-471.34	951.94	854.72	843.23	11.49	74.413		
2,600.00	2,559.43	2,552.71	2,552.56	11.54	1.02	-71.10	-467.01	952.64	848.12	835.76	12.35	68.661		
2,700.00	2,657.36	2,657.45	2,657.16	12.03	1.40	-72.83	-461.56	953.20	841.96	828.71	13.25	63.538		
2,800.00	2,755.29	2,761.76	2,761.30	12.53	1.78	-74.61	-455.71	952.50	835.30	821.15	14.15	59.021		
2,900.00	2,853.22	2,861.45	2,860.81	13.03	2.14	-76.35	-449.94	951.26	828.85	813.81	15.04	55.106		
3,000.00	2,951.15	2,956.79	2,955.99	13.53	2.49	-78.03	-444.40	949.96	823.06	807.14	15.92	51.711		
3,100.00	3,049.08	3,053.26	3,052.29	14.03	2.85	-79.75	-438.87	948.77	818.17	801.38	16.79	48.716		
3,200.00	3,147.01	3,148.36	3,147.22	14.52	3.20	-81.47	-433.33	947.65	814.15	796.49	17.67	46.083		
3,300.00	3,244.94	3,233.79	3,232.52	15.02	3.51	-83.00	-428.70	947.31	811.63	793.13	18.50	43.873		
3,400.00	3,342.87	3,326.57	3,325.20	15.52	3.85	-84.59	-424.55	948.15	810.99	791.64	19.35	41.912		
3,417.28	3,359.80	3,343.10	3,341.72	15.61	3.91	-84.87	-423.84	948.32	810.98	791.48	19.50	41.593 CC		
3,500.00	3,440.80	3,423.42	3,421.96	16.02	4.20	-86.22	-420.60	949.24	811.23	791.02	20.21	40.143		
3,600.00	3,538.74	3,526.33	3,524.80	16.52	4.57	-87.95	-416.64	950.15	811.88	790.79	21.09	38.505		
3,700.00	3,636.67	3,625.18	3,623.57	17.02	4.93	-89.62	-412.65	950.40	812.67	790.73	21.94	37.036		
3,800.00	3,734.60	3,722.09	3,720.41	17.52	5.28	-91.23	-409.06	950.67	814.11	791.33	22.79	35.728		
3,900.00	3,832.53	3,819.70	3,817.97	18.02	5.63	-92.83	-405.80	951.04	816.22	792.60	23.63	34.548		
4,000.00	3,930.46	3,914.46	3,912.67	18.52	5.97	-94.37	-402.59	951.51	819.11	794.66	24.45	33.505		
4,100.00	4,028.39	4,015.90	4,014.03	19.02	6.34	-96.04	-398.68	951.73	822.56	797.27	25.29	32.525		
4,200.00	4,126.32	4,113.92	4,111.97	19.52	6.69	-97.66	-394.76	951.56	826.40	800.28	26.11	31.648		
4,300.00	4,224.25	4,211.71	4,209.70	20.01	7.05	-99.23	-391.41	951.49	830.76	803.83	26.93	30.854		
4,400.00	4,322.18	4,305.18	4,303.11	20.51	7.39	-100.73	-387.81	951.46	835.99	808.28	27.71	30.166		
4,500.00	4,420.11	4,402.07	4,399.92	21.01	7.74	-102.27	-383.90	951.62	842.11	813.60	28.51	29.540		
4,600.00	4,518.05	4,501.09	4,498.89	21.51	8.10	-103.77	-380.73	952.00	848.66	819.35	29.30	28.961		
4,700.00	4,615.98	4,594.38	4,592.11	22.01	8.43	-105.20	-377.17	952.28	856.02	825.95	30.07	28.471		
4,800.00	4,713.91	4,692.24	4,689.87	22.51	8.79	-106.70	-372.89	952.42	864.13	833.29	30.84	28.018		

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 3AH
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 3AH	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	4,811.84	4,791.17	4,788.70	23.01	9.15	-108.21	-368.49	952.30	872.68	841.06	31.61	27.603		
5,000.00	4,909.77	4,890.00	4,887.46	23.51	9.51	-109.67	-364.49	952.21	881.61	849.23	32.38	27.226		
5,100.00	5,007.70	4,989.85	4,987.25	24.01	9.87	-111.07	-361.13	952.30	890.87	857.73	33.15	26.877		
5,200.00	5,105.63	5,087.93	5,085.29	24.51	10.22	-112.37	-358.55	952.56	900.32	866.42	33.90	26.560		
5,300.00	5,203.56	5,186.91	5,184.23	25.01	10.58	-113.70	-355.38	952.58	910.42	875.77	34.65	26.277		
5,400.00	5,301.49	5,288.81	5,286.09	25.51	10.94	-115.01	-352.87	952.28	920.28	884.87	35.41	25.992		
5,500.00	5,399.43	5,383.02	5,380.26	26.01	11.28	-116.23	-350.14	951.73	930.67	894.55	36.12	25.766		
5,600.00	5,497.36	5,467.06	5,464.22	26.51	11.59	-117.34	-346.78	951.11	942.17	905.39	36.77	25.622		
5,700.00	5,595.29	5,543.95	5,540.97	27.01	11.87	-118.39	-341.90	951.05	956.14	918.77	37.36	25.590		
5,800.00	5,693.22	5,627.42	5,624.16	27.51	12.18	-119.54	-335.19	951.54	972.23	934.25	37.98	25.599		
5,900.00	5,791.15	5,722.32	5,718.68	28.01	12.54	-120.84	-326.75	952.29	989.60	950.94	38.66	25.597		
6,000.00	5,889.08	5,845.32	5,841.31	28.51	13.00	-122.45	-317.16	952.05	1,006.04	966.52	39.52	25.457		
6,100.00	5,987.01	5,966.08	5,961.86	29.01	13.44	-123.94	-310.43	950.38	1,020.61	980.26	40.34	25.297		
6,200.00	6,084.94	6,091.72	6,087.44	29.51	13.88	-125.29	-307.60	948.58	1,033.09	991.91	41.18	25.087		
6,300.00	6,182.87	6,191.33	6,187.05	30.01	14.22	-126.25	-307.54	947.52	1,044.45	1,002.58	41.88	24.941		
6,400.00	6,280.80	6,288.87	6,284.58	30.51	14.54	-127.15	-307.78	946.63	1,055.96	1,013.40	42.56	24.811		
6,500.00	6,378.74	6,377.49	6,373.21	31.01	14.84	-127.93	-307.87	946.41	1,068.22	1,025.01	43.20	24.725		
6,600.00	6,476.67	6,467.39	6,463.10	31.51	15.15	-128.69	-307.54	946.84	1,081.50	1,037.64	43.86	24.659		
6,700.00	6,574.60	6,558.61	6,554.31	32.01	15.47	-129.43	-306.87	947.85	1,095.65	1,051.13	44.52	24.610		
6,800.00	6,672.53	6,676.24	6,671.93	32.51	15.86	-130.34	-306.99	948.84	1,109.15	1,063.84	45.31	24.478		
6,900.00	6,770.46	6,761.62	6,757.31	33.01	16.15	-131.00	-307.02	949.33	1,122.79	1,076.86	45.93	24.444		
7,000.00	6,868.39	6,843.41	6,839.09	33.51	16.44	-131.63	-306.02	950.15	1,137.88	1,091.34	46.53	24.452		
7,100.00	6,966.32	6,959.82	6,955.49	34.01	16.85	-132.51	-304.71	951.05	1,152.94	1,105.60	47.34	24.356		
7,200.00	7,064.25	7,059.36	7,055.03	34.51	17.19	-133.23	-304.45	951.69	1,167.42	1,119.39	48.04	24.302		
7,300.00	7,162.18	7,157.47	7,153.13	35.01	17.53	-133.90	-304.43	952.55	1,181.99	1,133.27	48.73	24.257		
7,400.00	7,260.11	7,223.00	7,218.66	35.51	17.75	-134.33	-304.48	953.31	1,197.20	1,147.98	49.22	24.322		
7,485.17	7,343.52	7,279.25	7,274.64	35.94	17.94	-134.51	-305.30	958.12	1,212.30	1,162.65	49.65	24.419		
7,500.00	7,358.03	7,286.34	7,281.63	36.01	17.96	-127.58	-305.52	959.30	1,215.18	1,165.47	49.70	24.449		
7,550.00	7,406.68	7,314.00	7,308.64	36.27	18.05	-108.79	-306.57	965.14	1,224.12	1,174.20	49.92	24.521		
7,600.00	7,454.62	7,342.61	7,336.20	36.54	18.15	-96.42	-307.99	972.71	1,231.68	1,181.53	50.14	24.562		
7,650.00	7,501.47	7,366.77	7,359.25	36.81	18.23	-88.36	-309.19	979.81	1,237.78	1,187.46	50.32	24.598		
7,700.00	7,546.90	7,388.98	7,380.36	37.08	18.30	-82.95	-309.95	986.71	1,242.64	1,192.17	50.47	24.623		
7,750.00	7,590.54	7,409.00	7,399.29	37.36	18.36	-79.22	-310.31	993.20	1,246.30	1,195.72	50.58	24.640		
7,800.00	7,632.07	7,440.00	7,428.34	37.65	18.46	-76.76	-310.46	1,004.01	1,248.77	1,197.94	50.83	24.569		
7,850.00	7,671.18	7,465.35	7,451.82	37.94	18.55	-75.06	-310.49	1,013.56	1,249.82	1,198.80	51.02	24.497		
7,900.00	7,707.56	7,503.00	7,486.31	38.23	18.68	-74.21	-310.74	1,028.66	1,249.22	1,197.83	51.39	24.307		
7,950.00	7,740.93	7,526.51	7,507.56	38.53	18.76	-73.63	-310.90	1,038.69	1,247.18	1,195.58	51.61	24.167		
8,000.00	7,771.06	7,545.93	7,524.90	38.84	18.83	-73.37	-310.88	1,047.44	1,244.11	1,192.32	51.79	24.023		
8,050.00	7,797.69	7,566.00	7,542.55	39.16	18.91	-73.44	-310.60	1,057.00	1,240.22	1,188.21	52.02	23.844		
8,100.00	7,820.64	7,581.30	7,555.80	39.50	18.98	-73.67	-310.22	1,064.63	1,235.57	1,183.36	52.21	23.666		
8,150.00	7,839.72	7,598.00	7,570.08	39.85	19.05	-74.17	-309.67	1,073.27	1,230.23	1,177.76	52.47	23.447		
8,200.00	7,854.80	7,626.42	7,593.91	40.22	19.17	-75.23	-308.66	1,088.73	1,224.16	1,171.18	52.98	23.106		
8,250.00	7,865.75	7,678.91	7,636.25	40.60	19.43	-77.29	-307.71	1,119.72	1,217.07	1,163.10	53.98	22.549		
8,300.00	7,872.50	7,721.40	7,668.70	41.01	19.66	-79.28	-308.46	1,147.13	1,208.56	1,153.68	54.88	22.023		
8,354.11	7,875.00	7,745.69	7,686.27	41.47	19.80	-80.95	-309.16	1,163.88	1,198.77	1,143.22	55.55	21.580		
8,400.00	7,875.00	7,764.11	7,699.06	41.89	19.91	-81.57	-309.66	1,177.12	1,190.98	1,134.86	56.12	21.222		
8,500.00	7,875.00	7,806.74	7,726.67	42.90	20.19	-82.90	-310.44	1,209.58	1,178.19	1,120.68	57.50	20.489		
8,600.00	7,875.00	7,849.00	7,751.30	44.06	20.51	-84.10	-310.73	1,243.90	1,170.70	1,111.72	58.98	19.849		
8,693.82	7,875.00	7,896.33	7,775.37	45.28	20.92	-85.28	-310.06	1,284.62	1,168.39	1,107.77	60.62	19.273		
8,700.00	7,875.00	7,899.18	7,776.70	45.36	20.95	-85.34	-309.98	1,287.15	1,168.40	1,107.67	60.73	19.241		
8,800.00	7,875.00	7,964.96	7,802.81	46.80	21.61	-86.63	-307.36	1,347.40	1,170.67	1,107.74	62.93	18.603		
8,900.00	7,875.00	8,060.72	7,826.26	48.37	22.77	-87.79	-303.19	1,440.04	1,175.04	1,109.02	66.02	17.797		

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 3AH
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 3AH	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	7,875.00	8,168.61	7,836.00	50.05	24.30	-88.27	-299.72	1,547.32	1,179.10	1,109.45	69.65	16.928		
9,100.00	7,875.00	8,252.69	7,835.98	51.83	25.64	-88.27	-296.73	1,631.35	1,183.75	1,110.91	72.84	16.251		
9,200.00	7,875.00	8,405.92	7,834.92	53.70	28.37	-88.23	-294.23	1,784.53	1,186.54	1,108.24	78.30	15.153		
9,300.00	7,875.00	8,507.74	7,833.26	55.65	30.36	-88.15	-295.08	1,886.34	1,186.90	1,104.43	82.47	14.392		
9,400.00	7,875.00	8,602.09	7,832.33	57.66	32.30	-88.10	-295.61	1,980.68	1,187.52	1,100.96	86.56	13.720		
9,500.00	7,875.00	8,701.27	7,830.61	59.74	34.43	-88.02	-295.74	2,079.84	1,188.58	1,097.66	90.92	13.073		
9,600.00	7,875.00	8,806.23	7,827.15	61.88	36.75	-87.86	-296.37	2,184.74	1,189.24	1,093.67	95.57	12.443		
9,700.00	7,875.00	8,924.36	7,824.69	64.06	39.45	-87.74	-297.80	2,302.83	1,189.29	1,088.51	100.78	11.801		
9,800.00	7,875.00	9,036.73	7,822.99	66.28	42.07	-87.65	-300.96	2,415.14	1,187.68	1,081.80	105.87	11.218		
9,900.00	7,875.00	9,127.25	7,821.44	68.54	44.23	-87.58	-303.54	2,505.62	1,186.04	1,075.74	110.30	10.753		
10,000.00	7,875.00	9,225.52	7,820.59	70.84	46.60	-87.53	-305.83	2,603.86	1,184.89	1,069.84	115.05	10.299		
10,100.00	7,875.00	9,330.44	7,819.92	73.16	49.16	-87.50	-308.42	2,708.74	1,183.59	1,063.51	120.09	9.856		
10,200.00	7,875.00	9,429.33	7,818.77	75.51	51.60	-87.44	-311.21	2,807.58	1,181.97	1,057.01	124.95	9.459		
10,277.30	7,875.00	9,489.95	7,817.53	77.35	53.11	-87.38	-312.38	2,868.18	1,181.42	1,053.25	128.17	9.218		
10,300.00	7,875.00	9,509.00	7,817.06	77.89	53.58	-87.35	-312.58	2,887.22	1,181.47	1,052.32	129.15	9.148		
10,400.00	7,875.00	9,600.71	7,815.32	80.29	55.88	-87.27	-313.04	2,978.91	1,182.19	1,048.39	133.80	8.835		
10,500.00	7,875.00	9,696.55	7,814.08	82.70	58.29	-87.21	-313.05	3,074.75	1,183.38	1,044.74	138.64	8.536		
10,600.00	7,875.00	9,801.74	7,813.05	85.14	60.96	-87.17	-313.09	3,179.93	1,184.53	1,040.67	143.86	8.234		
10,700.00	7,875.00	9,902.91	7,810.92	87.59	63.54	-87.07	-313.56	3,281.07	1,185.32	1,036.37	148.94	7.958		
10,800.00	7,875.00	9,993.25	7,809.73	90.06	65.85	-87.01	-313.46	3,371.40	1,186.62	1,032.98	153.64	7.723		
10,900.00	7,875.00	10,096.23	7,808.12	92.53	68.49	-86.94	-313.20	3,474.37	1,188.10	1,029.27	158.84	7.480		
11,000.00	7,875.00	10,197.83	7,806.81	95.03	71.11	-86.88	-312.99	3,575.96	1,189.52	1,025.52	164.00	7.253		
11,100.00	7,875.00	10,304.43	7,806.80	97.53	73.87	-86.88	-313.25	3,682.56	1,190.41	1,021.02	169.39	7.028		
11,200.00	7,875.00	10,417.88	7,805.69	100.04	76.81	-86.83	-314.17	3,796.00	1,190.83	1,015.79	175.04	6.803		
11,300.00	7,875.00	10,516.05	7,805.19	102.57	79.37	-86.80	-316.02	3,894.15	1,190.12	1,010.00	180.13	6.607		
11,400.00	7,875.00	10,626.86	7,805.96	105.10	82.26	-86.84	-317.67	4,004.94	1,189.78	1,004.07	185.71	6.407		
11,500.00	7,875.00	10,733.51	7,805.65	107.64	85.05	-86.82	-320.56	4,111.55	1,188.22	997.09	191.13	6.217		
11,600.00	7,875.00	10,817.28	7,804.18	110.19	87.24	-86.74	-322.51	4,195.29	1,187.13	991.41	195.72	6.065		
11,625.54	7,875.00	10,838.39	7,803.65	110.84	87.79	-86.72	-322.82	4,216.39	1,187.09	990.21	196.88	6.029		
11,700.00	7,875.00	10,899.41	7,802.37	112.74	89.39	-86.66	-323.25	4,277.39	1,187.51	987.29	200.22	5.931		
11,800.00	7,875.00	10,997.00	7,801.36	115.31	91.96	-86.61	-323.00	4,374.97	1,188.96	983.63	205.32	5.791		
11,900.00	7,875.00	11,101.16	7,800.95	117.87	94.69	-86.60	-323.01	4,479.14	1,190.11	979.40	210.71	5.648		
12,000.00	7,875.00	11,223.74	7,801.21	120.45	97.92	-86.61	-324.25	4,601.70	1,190.25	973.45	216.80	5.490		
12,100.00	7,875.00	11,322.65	7,802.12	123.03	100.53	-86.65	-326.08	4,700.59	1,189.49	967.48	222.01	5.358		
12,200.00	7,875.00	11,422.02	7,802.21	125.61	103.16	-86.65	-327.96	4,799.93	1,188.73	961.49	227.23	5.231		
12,300.00	7,875.00	11,525.79	7,801.27	128.20	105.90	-86.61	-330.13	4,903.68	1,187.83	955.22	232.61	5.107		
12,400.00	7,875.00	11,626.73	7,799.17	130.79	108.57	-86.50	-332.68	5,004.57	1,186.58	948.71	237.87	4.988		
12,500.00	7,875.00	11,730.29	7,797.63	133.39	111.32	-86.42	-335.07	5,108.09	1,185.51	942.27	243.24	4.874		
12,600.00	7,875.00	11,837.28	7,794.62	135.99	114.15	-86.27	-338.53	5,214.97	1,183.59	934.88	248.71	4.759		
12,700.00	7,875.00	11,923.31	7,792.83	138.60	116.44	-86.18	-341.09	5,300.95	1,181.93	928.48	253.45	4.663		
12,748.76	7,875.00	11,961.85	7,791.87	139.87	117.46	-86.13	-341.76	5,339.47	1,181.72	926.10	255.63	4.623		
12,800.00	7,875.00	12,012.15	7,790.64	141.21	118.79	-86.07	-342.38	5,389.75	1,181.76	923.49	258.27	4.576		
12,900.00	7,875.00	12,108.17	7,789.18	143.82	121.34	-86.00	-343.41	5,485.75	1,181.93	918.56	263.37	4.488		
13,000.00	7,875.00	12,210.93	7,788.76	146.43	124.07	-85.98	-344.10	5,588.51	1,182.44	913.69	268.75	4.400		
13,081.35	7,875.00	12,294.47	7,787.57	148.56	126.29	-85.92	-345.17	5,672.04	1,182.41	909.29	273.11	4.329		
13,100.00	7,875.00	12,312.42	7,787.43	149.05	126.77	-85.92	-345.38	5,689.98	1,182.41	908.34	274.07	4.314		
13,200.00	7,875.00	12,420.59	7,786.35	151.67	129.65	-85.87	-346.85	5,798.14	1,182.28	902.64	279.65	4.228		
13,300.00	7,875.00	12,513.80	7,784.01	154.30	132.13	-85.75	-348.53	5,891.31	1,181.82	897.18	284.64	4.152		
13,306.29	7,875.00	12,519.45	7,783.89	154.46	132.28	-85.74	-348.60	5,896.95	1,181.82	896.87	284.94	4.148		
13,400.00	7,875.00	12,597.72	7,782.79	156.92	134.36	-85.69	-349.10	5,975.21	1,182.40	893.13	289.26	4.088		
13,500.00	7,875.00	12,697.21	7,782.63	159.55	137.01	-85.69	-348.67	6,074.70	1,183.97	889.44	294.54	4.020		
13,600.00	7,875.00	12,797.02	7,781.63	162.18	139.67	-85.65	-348.60	6,174.50	1,185.25	885.45	299.81	3.953		

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 3AH
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 3AH	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	7,875.00	12,905.94	7,780.54	164.81	142.57	-85.60	-348.77	6,283.41	1,186.33	880.88	305.45	3.884		
13,800.00	7,875.00	13,027.01	7,779.86	167.45	145.80	-85.56	-350.72	6,404.46	1,185.86	874.33	311.53	3.807		
13,900.00	7,875.00	13,127.08	7,779.20	170.08	148.48	-85.53	-353.12	6,504.50	1,184.67	867.84	316.82	3.739		
14,000.00	7,875.00	13,224.39	7,778.94	172.72	151.08	-85.51	-355.29	6,601.78	1,183.60	861.57	322.03	3.675		
14,100.00	7,875.00	13,322.58	7,779.68	175.36	153.70	-85.54	-357.16	6,699.95	1,182.79	855.49	327.29	3.614		
14,200.00	7,875.00	13,418.95	7,779.63	178.00	156.27	-85.54	-359.00	6,796.31	1,182.02	849.55	332.47	3.555		
14,251.96	7,875.00	13,465.20	7,779.42	179.38	157.51	-85.53	-359.66	6,842.56	1,181.90	846.89	335.01	3.528		
14,300.00	7,875.00	13,510.86	7,779.26	180.65	158.73	-85.52	-360.13	6,888.21	1,181.96	844.49	337.47	3.502		
14,400.00	7,875.00	13,610.79	7,779.72	183.29	161.40	-85.54	-360.96	6,988.14	1,182.23	839.44	342.79	3.449		
14,500.00	7,875.00	13,712.56	7,779.56	185.94	164.12	-85.53	-362.06	7,089.90	1,182.31	834.14	348.17	3.396		
14,600.00	7,875.00	13,814.79	7,780.75	188.59	166.86	-85.59	-363.10	7,192.11	1,182.35	828.74	353.61	3.344		
14,700.00	7,875.00	13,920.50	7,780.92	191.23	169.69	-85.60	-364.69	7,297.81	1,181.98	822.83	359.15	3.291		
14,800.00	7,875.00	14,026.94	7,778.93	193.89	172.53	-85.50	-366.99	7,404.21	1,181.10	816.45	364.65	3.239		
14,900.00	7,875.00	14,135.10	7,775.85	196.54	175.43	-85.34	-370.09	7,512.27	1,179.61	809.44	370.17	3.187		
15,000.00	7,875.00	14,213.91	7,774.24	199.19	177.54	-85.26	-371.93	7,591.04	1,178.60	803.90	374.69	3.145		
15,002.34	7,875.00	14,215.71	7,774.20	199.25	177.59	-85.26	-371.96	7,592.84	1,178.60	803.80	374.80	3.145		
15,100.00	7,875.00	14,308.14	7,772.62	201.84	180.06	-85.18	-372.75	7,685.26	1,179.01	799.26	379.75	3.105		
15,200.00	7,875.00	14,409.18	7,770.84	204.50	182.76	-85.10	-373.65	7,786.28	1,179.41	794.34	385.07	3.063		
15,300.00	7,875.00	14,518.01	7,769.19	207.15	185.68	-85.02	-375.00	7,895.09	1,179.44	788.76	390.69	3.019		
15,400.00	7,875.00	14,619.92	7,768.23	209.81	188.41	-84.97	-376.73	7,996.97	1,178.97	782.91	396.06	2.977		
15,500.00	7,875.00	14,718.14	7,766.47	212.47	191.04	-84.88	-378.43	8,095.17	1,178.54	777.28	401.27	2.937		
15,506.91	7,875.00	14,725.06	7,766.34	212.65	191.23	-84.88	-378.55	8,102.08	1,178.52	776.89	401.63	2.934 ES, SF		
15,600.00	7,875.00	14,719.00	7,766.45	215.13	191.06	-84.88	-378.44	8,096.02	1,182.31	780.81	401.50	2.945		
15,700.00	7,875.00	14,719.00	7,766.45	217.79	191.06	-84.88	-378.44	8,096.02	1,194.46	795.52	398.95	2.994		
15,800.00	7,875.00	14,719.00	7,766.45	220.45	191.06	-84.88	-378.44	8,096.02	1,214.76	820.90	393.86	3.084		
15,900.00	7,875.00	14,719.00	7,766.45	223.11	191.06	-84.88	-378.44	8,096.02	1,242.79	856.22	386.57	3.215		
16,000.00	7,875.00	14,719.00	7,766.45	225.77	191.06	-84.88	-378.44	8,096.02	1,278.05	900.53	377.52	3.385		
16,100.00	7,875.00	14,719.00	7,766.45	228.44	191.06	-84.88	-378.44	8,096.02	1,319.96	952.80	367.16	3.595		
16,200.00	7,875.00	14,719.00	7,766.45	231.10	191.06	-84.88	-378.44	8,096.02	1,367.91	1,012.00	355.91	3.843		
16,300.00	7,875.00	14,719.00	7,766.45	233.76	191.06	-84.88	-378.44	8,096.02	1,421.29	1,077.13	344.16	4.130		
16,400.00	7,875.00	14,719.00	7,766.45	236.43	191.06	-84.88	-378.44	8,096.02	1,479.51	1,147.30	332.22	4.453		
16,500.00	7,875.00	14,719.00	7,766.45	239.09	191.06	-84.88	-378.44	8,096.02	1,542.03	1,221.69	320.34	4.814		
16,600.00	7,875.00	14,719.00	7,766.45	241.76	191.06	-84.88	-378.44	8,096.02	1,608.33	1,299.64	308.70	5.210		
16,700.00	7,875.00	14,719.00	7,766.45	244.43	191.06	-84.88	-378.44	8,096.02	1,677.98	1,380.56	297.43	5.642		
16,800.00	7,875.00	14,719.00	7,766.45	247.10	191.06	-84.88	-378.44	8,096.02	1,750.58	1,463.96	286.62	6.108		
16,900.00	7,875.00	14,719.00	7,766.45	249.76	191.06	-84.88	-378.44	8,096.02	1,825.76	1,549.45	276.31	6.608		
17,000.00	7,875.00	14,719.00	7,766.45	252.43	191.06	-84.88	-378.44	8,096.02	1,903.23	1,636.69	266.54	7.141		
17,100.00	7,875.00	14,719.00	7,766.45	255.10	191.06	-84.88	-378.44	8,096.02	1,982.72	1,725.42	257.30	7.706		
17,200.00	7,875.00	14,719.00	7,766.45	257.77	191.06	-84.88	-378.44	8,096.02	2,063.99	1,815.39	248.60	8.302		
17,300.00	7,875.00	14,719.00	7,766.45	260.44	191.06	-84.88	-378.44	8,096.02	2,146.85	1,906.44	240.41	8.930		
17,400.00	7,875.00	14,719.00	7,766.45	263.11	191.06	-84.88	-378.44	8,096.02	2,231.11	1,998.40	232.71	9.587		
17,500.00	7,875.00	14,719.00	7,766.45	265.79	191.06	-84.88	-378.44	8,096.02	2,316.62	2,091.14	225.48	10.274		
17,600.00	7,875.00	14,719.00	7,766.45	268.46	191.06	-84.88	-378.44	8,096.02	2,403.25	2,184.56	218.69	10.989		
17,700.00	7,875.00	14,719.00	7,766.45	271.13	191.06	-84.88	-378.44	8,096.02	2,490.89	2,278.57	212.32	11.732		
17,800.00	7,875.00	14,719.00	7,766.45	273.80	191.06	-84.88	-378.44	8,096.02	2,579.42	2,373.09	206.33	12.501		
17,900.00	7,875.00	14,719.00	7,766.45	276.48	191.06	-84.88	-378.44	8,096.02	2,668.76	2,468.06	200.70	13.297		
18,000.00	7,875.00	14,719.00	7,766.45	279.15	191.06	-84.88	-378.44	8,096.02	2,758.84	2,563.43	195.41	14.118		
18,100.00	7,875.00	14,719.00	7,766.45	281.82	191.06	-84.88	-378.44	8,096.02	2,849.57	2,659.14	190.43	14.964		
18,200.00	7,875.00	14,719.00	7,766.45	284.50	191.06	-84.88	-378.44	8,096.02	2,940.91	2,755.17	185.74	15.833		
18,265.67	7,875.00	14,719.00	7,766.45	286.26	191.06	-84.88	-378.44	8,096.02	3,001.19	2,818.39	182.81	16.417		

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 3AH
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 3AH	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	-0.09	174.84	-0.28	174.84					
100.00	100.00	105.60	105.60	0.13	0.15	-0.09	174.84	-0.28	174.84	174.56	0.29	605.148		
200.00	200.00	205.60	205.60	0.49	0.51	-0.09	174.84	-0.28	174.84	173.84	1.01	173.824		
206.23	206.23	211.83	211.83	0.52	0.54	-0.09	174.84	-0.28	174.84	173.79	1.05	166.432 CC		
250.00	250.00	255.35	255.35	0.67	0.69	-0.09	174.85	-0.28	174.85	173.49	1.36	128.246 ES		
300.00	300.00	303.08	303.07	0.84	0.86	-165.15	175.23	0.03	175.67	173.96	1.71	102.927		
400.00	399.93	398.27	398.20	1.19	1.20	-164.72	177.82	2.14	181.76	179.37	2.40	75.877		
500.00	499.68	492.66	492.37	1.54	1.55	-163.96	182.81	6.21	193.80	190.70	3.10	62.507		
600.00	599.13	585.77	585.00	1.92	1.90	-163.01	190.08	12.13	211.75	207.94	3.81	55.585		
700.00	698.15	677.11	675.53	2.31	2.25	-161.95	199.48	19.79	235.52	231.00	4.52	52.123		
800.00	796.63	766.27	763.48	2.74	2.62	-160.88	210.81	29.02	264.99	259.77	5.23	50.707		
833.76	829.73	795.81	792.51	2.89	2.75	-160.52	215.03	32.46	276.20	270.74	5.47	50.505		
900.00	894.60	856.87	852.42	3.20	3.02	-159.97	224.19	39.92	299.04	293.10	5.94	50.325		
1,000.00	992.53	950.63	944.40	3.67	3.44	-159.26	238.29	51.40	333.60	326.93	6.67	49.999		
1,100.00	1,090.46	1,044.40	1,036.39	4.14	3.86	-158.68	252.39	62.89	368.19	360.79	7.40	49.745		
1,200.00	1,188.39	1,138.17	1,128.38	4.62	4.29	-158.21	266.49	74.37	402.81	394.67	8.14	49.461		
1,300.00	1,286.32	1,231.94	1,220.37	5.11	4.73	-157.81	280.59	85.86	437.46	428.56	8.89	49.205		
1,400.00	1,384.25	1,325.70	1,312.35	5.60	5.17	-157.46	294.69	97.34	472.11	462.47	9.64	48.971		
1,500.00	1,482.18	1,419.47	1,404.34	6.09	5.61	-157.17	308.78	108.82	506.78	496.39	10.39	48.759		
1,600.00	1,580.12	1,513.24	1,496.33	6.58	6.05	-156.91	322.88	120.31	541.47	530.32	11.15	48.566		
1,700.00	1,678.05	1,607.01	1,588.31	7.07	6.49	-156.68	336.98	131.79	576.16	564.25	11.91	48.390		
1,800.00	1,775.98	1,700.77	1,680.30	7.57	6.93	-156.48	351.08	143.28	610.85	598.19	12.67	48.230		
1,900.00	1,873.91	1,805.46	1,772.29	8.06	7.43	-156.30	365.18	154.76	645.55	632.08	13.47	47.923		
2,000.00	1,971.84	1,888.31	1,864.28	8.55	7.82	-156.14	379.28	166.25	680.26	666.08	14.19	47.949		
2,100.00	2,069.77	1,982.07	1,956.26	9.05	8.26	-156.00	393.38	177.73	714.97	700.02	14.95	47.825		
2,200.00	2,167.70	2,075.84	2,048.25	9.55	8.71	-155.86	407.47	189.22	749.69	733.98	15.71	47.711		
2,300.00	2,265.63	2,169.61	2,140.24	10.04	9.16	-155.74	421.57	200.70	784.41	767.93	16.48	47.605		
2,400.00	2,363.56	2,263.38	2,232.23	10.54	9.60	-155.63	435.67	212.19	819.13	801.89	17.24	47.508		
2,500.00	2,461.49	2,357.14	2,324.21	11.04	10.05	-155.53	449.77	223.67	853.85	835.85	18.01	47.417		
2,600.00	2,559.43	2,450.91	2,416.20	11.54	10.49	-155.44	463.87	235.16	888.58	869.81	18.77	47.332		
2,700.00	2,657.36	2,544.68	2,508.19	12.03	10.94	-155.35	477.97	246.64	923.31	903.77	19.54	47.253		
2,800.00	2,755.29	2,638.45	2,600.17	12.53	11.39	-155.27	492.07	258.13	958.04	937.73	20.31	47.179		
2,900.00	2,853.22	2,732.21	2,692.16	13.03	11.84	-155.20	506.17	269.61	992.77	971.70	21.07	47.110		
3,000.00	2,951.15	2,825.98	2,784.15	13.53	12.28	-155.13	520.26	281.09	1,027.50	1,005.66	21.84	47.044		
3,100.00	3,049.08	2,919.75	2,876.14	14.03	12.73	-155.06	534.36	292.58	1,062.24	1,039.63	22.61	46.983		
3,200.00	3,147.01	3,013.52	2,968.12	14.52	13.18	-155.00	548.46	304.06	1,096.97	1,073.59	23.38	46.925		
3,300.00	3,244.94	3,107.28	3,060.11	15.02	13.63	-154.95	562.56	315.55	1,131.71	1,107.56	24.15	46.870		
3,400.00	3,342.87	3,201.05	3,152.10	15.52	14.07	-154.89	576.66	327.03	1,166.44	1,141.53	24.91	46.818		
3,500.00	3,440.80	3,305.18	3,244.09	16.02	14.57	-154.84	590.76	338.52	1,201.18	1,175.46	25.73	46.692		
3,600.00	3,538.74	3,388.59	3,336.07	16.52	14.97	-154.79	604.86	350.00	1,235.92	1,209.47	26.45	46.723		
3,700.00	3,636.67	3,482.35	3,428.06	17.02	15.42	-154.75	618.96	361.49	1,270.66	1,243.44	27.22	46.678		
3,800.00	3,734.60	3,576.12	3,520.05	17.52	15.87	-154.71	633.05	372.97	1,305.40	1,277.41	27.99	46.636		
3,900.00	3,832.53	3,669.89	3,612.03	18.02	16.32	-154.67	647.15	384.46	1,340.14	1,311.38	28.76	46.595		
4,000.00	3,930.46	3,763.66	3,704.02	18.52	16.76	-154.63	661.25	395.94	1,374.88	1,345.35	29.53	46.557		
4,100.00	4,028.39	3,857.42	3,796.01	19.02	17.21	-154.59	675.35	407.43	1,409.62	1,379.32	30.30	46.520		
4,200.00	4,126.32	3,951.19	3,888.00	19.52	17.66	-154.56	689.45	418.91	1,444.37	1,413.29	31.07	46.485		
4,300.00	4,224.25	4,044.96	3,979.98	20.01	18.11	-154.52	703.55	430.40	1,479.11	1,447.27	31.84	46.451		
4,400.00	4,322.18	4,138.72	4,071.97	20.51	18.56	-154.49	717.65	441.88	1,513.85	1,481.24	32.61	46.418		
4,500.00	4,420.11	4,232.49	4,163.96	21.01	19.01	-154.46	731.75	453.36	1,548.60	1,515.21	33.38	46.387		
4,600.00	4,518.05	4,326.26	4,255.94	21.51	19.46	-154.43	745.84	464.85	1,583.34	1,549.18	34.16	46.357		
4,700.00	4,615.98	4,420.03	4,347.93	22.01	19.90	-154.41	759.94	476.33	1,618.08	1,583.16	34.93	46.328		
4,800.00	4,713.91	4,513.79	4,439.92	22.51	20.35	-154.38	774.04	487.82	1,652.83	1,617.13	35.70	46.300		

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 3AH
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 3AH	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	4,811.84	4,607.56	4,531.91	23.01	20.80	-154.35	788.14	499.30	1,687.57	1,651.10	36.47	46.273		
5,000.00	4,909.77	4,701.33	4,623.89	23.51	21.25	-154.33	802.24	510.79	1,722.32	1,685.08	37.24	46.247		
5,100.00	5,007.70	4,795.10	4,715.88	24.01	21.70	-154.31	816.34	522.27	1,757.06	1,719.05	38.01	46.222		
5,200.00	5,105.63	4,888.86	4,807.87	24.51	22.15	-154.28	830.44	533.76	1,791.81	1,753.02	38.79	46.198		
5,300.00	5,203.56	4,982.63	4,899.86	25.01	22.60	-154.26	844.53	545.24	1,826.55	1,787.00	39.56	46.174		
5,400.00	5,301.49	5,076.40	4,991.84	25.51	23.05	-154.24	858.63	556.73	1,861.30	1,820.97	40.33	46.152		
5,500.00	5,399.43	5,170.17	5,083.83	26.01	23.49	-154.22	872.73	568.21	1,896.05	1,854.94	41.10	46.129		
5,600.00	5,497.36	5,263.93	5,175.82	26.51	23.94	-154.20	886.83	579.70	1,930.79	1,888.92	41.88	46.108		
5,700.00	5,595.29	5,357.70	5,267.80	27.01	24.39	-154.18	900.93	591.18	1,965.54	1,922.89	42.65	46.087		
5,800.00	5,693.22	5,451.47	5,359.79	27.51	24.84	-154.17	915.03	602.66	2,000.29	1,956.86	43.42	46.067		
5,900.00	5,791.15	5,545.24	5,451.78	28.01	25.29	-154.15	929.13	614.15	2,035.03	1,990.84	44.19	46.047		
6,000.00	5,889.08	5,639.00	5,543.77	28.51	25.74	-154.13	943.23	625.63	2,069.78	2,024.81	44.97	46.028		
6,100.00	5,987.01	5,732.77	5,635.75	29.01	26.19	-154.11	957.32	637.12	2,104.53	2,058.79	45.74	46.009		
6,200.00	6,084.94	5,826.54	5,727.74	29.51	26.64	-154.10	971.42	648.60	2,139.27	2,092.76	46.52	45.991		
6,300.00	6,182.87	5,920.30	5,819.73	30.01	27.09	-154.08	985.52	660.09	2,174.02	2,126.73	47.29	45.973		
6,400.00	6,280.80	6,014.07	5,911.71	30.51	27.54	-154.07	999.62	671.57	2,208.77	2,160.71	48.06	45.956		
6,500.00	6,378.74	6,107.84	6,003.70	31.01	27.99	-154.05	1,013.72	683.06	2,243.52	2,194.68	48.84	45.939		
6,600.00	6,476.67	6,201.61	6,095.69	31.51	28.43	-154.04	1,027.82	694.54	2,278.27	2,228.65	49.61	45.922		
6,700.00	6,574.60	6,304.63	6,187.68	32.01	28.93	-154.03	1,041.92	706.03	2,313.01	2,262.59	50.42	45.872		
6,800.00	6,672.53	6,389.14	6,279.66	32.51	29.33	-154.01	1,056.02	717.51	2,347.76	2,296.60	51.16	45.890		
6,900.00	6,770.46	6,482.91	6,371.65	33.01	29.78	-154.00	1,070.11	729.00	2,382.51	2,330.57	51.94	45.875		
7,000.00	6,868.39	6,576.68	6,463.64	33.51	30.23	-153.99	1,084.21	740.48	2,417.26	2,364.55	52.71	45.860		
7,100.00	6,966.32	6,670.44	6,555.63	34.01	30.68	-153.98	1,098.31	751.97	2,452.01	2,398.52	53.49	45.845		
7,200.00	7,064.25	6,764.21	6,647.61	34.51	31.13	-153.97	1,112.41	763.45	2,486.75	2,432.49	54.26	45.830		
7,300.00	7,162.18	6,857.98	6,739.60	35.01	31.58	-153.95	1,126.51	774.93	2,521.50	2,466.47	55.04	45.816		
7,400.00	7,260.11	6,951.75	6,831.59	35.51	32.03	-153.94	1,140.61	786.42	2,556.25	2,500.44	55.81	45.802		
7,485.17	7,343.52	7,031.60	6,909.93	35.94	32.41	-153.93	1,152.61	796.20	2,585.85	2,529.37	56.47	45.790		
7,500.00	7,358.03	7,045.53	6,923.59	36.01	32.48	-146.73	1,154.71	797.91	2,590.97	2,534.38	56.59	45.786		
7,550.00	7,406.68	7,107.48	6,969.69	36.27	32.77	-127.05	1,161.77	803.66	2,607.68	2,550.63	57.05	45.706		
7,600.00	7,454.62	7,139.37	7,015.64	36.54	32.93	-113.84	1,168.82	809.40	2,623.48	2,566.07	57.41	45.696		
7,650.00	7,501.47	7,185.69	7,061.09	36.81	33.15	-104.98	1,175.78	815.07	2,638.28	2,580.44	57.84	45.610		
7,700.00	7,546.90	7,231.15	7,105.69	37.08	33.37	-98.81	1,182.62	820.64	2,652.01	2,593.73	58.29	45.499		
7,750.00	7,590.54	7,275.40	7,149.09	37.36	33.58	-94.35	1,189.27	826.06	2,664.65	2,605.91	58.74	45.363		
7,800.00	7,632.07	7,318.09	7,190.98	37.65	33.78	-91.04	1,195.69	831.29	2,676.19	2,616.99	59.20	45.204		
7,850.00	7,671.18	7,358.91	7,231.02	37.94	33.98	-88.54	1,201.83	836.29	2,686.62	2,626.95	59.68	45.020		
7,900.00	7,707.56	7,440.39	7,311.33	38.23	34.33	-87.31	1,214.11	841.56	2,695.74	2,635.30	60.44	44.601		
7,950.00	7,740.93	7,505.76	7,375.79	38.53	34.55	-86.51	1,223.92	837.46	2,703.41	2,642.35	61.06	44.274		
8,000.00	7,771.06	7,548.33	7,417.35	38.84	34.67	-85.75	1,230.22	830.81	2,710.13	2,648.58	61.55	44.030		
8,050.00	7,797.69	7,574.64	7,442.76	39.16	34.72	-84.98	1,234.06	825.14	2,716.17	2,654.19	61.98	43.822		
8,100.00	7,820.64	7,589.52	7,457.00	39.50	34.76	-84.19	1,236.22	821.42	2,721.68	2,659.29	62.40	43.620		
8,150.00	7,839.72	7,596.28	7,463.44	39.85	34.77	-83.41	1,237.19	819.60	2,726.71	2,663.90	62.81	43.413		
8,200.00	7,854.80	7,597.16	7,464.28	40.22	34.77	-82.68	1,237.31	819.36	2,731.25	2,668.02	63.23	43.195		
8,250.00	7,865.75	7,593.71	7,461.00	40.60	34.77	-82.00	1,236.82	820.30	2,735.29	2,671.62	63.67	42.961		
8,300.00	7,872.50	7,586.99	7,454.59	41.01	34.75	-81.39	1,235.85	822.08	2,738.77	2,674.65	64.13	42.709		
8,354.11	7,875.00	7,576.91	7,444.94	41.47	34.73	-80.85	1,234.39	824.60	2,741.87	2,677.23	64.64	42.417		
8,400.00	7,875.00	7,567.92	7,436.30	41.89	34.71	-80.66	1,233.09	826.70	2,744.54	2,679.44	65.10	42.159		
8,500.00	7,875.00	7,550.00	7,418.98	42.90	34.67	-80.30	1,230.47	830.48	2,752.91	2,686.73	66.17	41.601		
8,600.00	7,875.00	7,539.13	7,408.42	44.06	34.64	-80.07	1,228.87	832.51	2,764.76	2,697.40	67.36	41.045		
8,700.00	7,875.00	7,528.95	7,398.50	45.36	34.61	-79.86	1,227.36	834.22	2,780.08	2,711.48	68.61	40.523		
8,800.00	7,875.00	7,520.59	7,390.33	46.80	34.59	-79.69	1,226.13	835.50	2,798.85	2,728.94	69.91	40.038		
8,900.00	7,875.00	7,513.60	7,383.49	48.37	34.57	-79.55	1,225.09	836.47	2,820.99	2,749.76	71.24	39.599		
9,000.00	7,875.00	7,500.00	7,370.14	50.05	34.54	-79.26	1,223.06	838.12	2,846.48	2,773.94	72.54	39.242		

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 3AH
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 3AH	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	7,875.00	7,500.00	7,370.14	51.83	34.54	-79.26	1,223.06	838.12	2,875.15	2,801.22	73.93	38.892	38.062 SF	
9,200.00	7,875.00	7,500.00	7,370.14	53.70	34.54	-79.26	1,223.06	838.12	2,906.97	2,831.67	75.30	38.604		
9,300.00	7,875.00	7,500.00	7,370.14	55.65	34.54	-79.26	1,223.06	838.12	2,941.86	2,865.20	76.65	38.378		
9,400.00	7,875.00	7,500.00	7,370.14	57.66	34.54	-79.26	1,223.06	838.12	2,979.69	2,901.72	77.97	38.214		
9,500.00	7,875.00	7,500.00	7,370.14	59.74	34.54	-79.26	1,223.06	838.12	3,020.36	2,941.11	79.26	38.109		
9,600.00	7,875.00	7,500.00	7,370.14	61.88	34.54	-79.26	1,223.06	838.12	3,063.76	2,983.27	80.49	38.062 SF		
9,700.00	7,875.00	7,482.69	7,353.10	64.06	34.48	-78.90	1,220.47	839.75	3,109.60	3,028.06	81.55	38.134		
9,800.00	7,875.00	7,480.48	7,350.92	66.28	34.47	-78.86	1,220.14	839.93	3,158.05	3,075.38	82.67	38.202		
9,900.00	7,875.00	7,478.46	7,348.94	68.54	34.46	-78.82	1,219.84	840.08	3,208.89	3,125.14	83.74	38.319		
10,000.00	7,875.00	7,476.62	7,347.12	70.84	34.46	-78.78	1,219.56	840.20	3,261.99	3,177.22	84.76	38.483		
10,100.00	7,875.00	7,474.94	7,345.46	73.16	34.45	-78.74	1,219.31	840.32	3,317.25	3,231.52	85.74	38.691		
10,200.00	7,875.00	7,473.39	7,343.93	75.51	34.45	-78.71	1,219.08	840.42	3,374.57	3,287.91	86.66	38.941		
10,300.00	7,875.00	7,471.95	7,342.51	77.89	34.44	-78.68	1,218.86	840.51	3,433.84	3,346.31	87.53	39.230		
10,400.00	7,875.00	7,470.63	7,341.20	80.29	34.44	-78.65	1,218.66	840.59	3,494.97	3,406.62	88.36	39.555		
10,500.00	7,875.00	7,469.39	7,339.99	82.70	34.43	-78.63	1,218.48	840.66	3,557.86	3,468.72	89.13	39.916		
10,600.00	7,875.00	7,450.00	7,320.83	85.14	34.37	-78.22	1,215.56	841.42	3,622.64	3,532.93	89.71	40.382		
10,700.00	7,875.00	7,450.00	7,320.83	87.59	34.37	-78.22	1,215.56	841.42	3,688.75	3,598.34	90.41	40.800		
10,800.00	7,875.00	7,450.00	7,320.83	90.06	34.37	-78.22	1,215.56	841.42	3,756.36	3,665.29	91.07	41.247		
10,900.00	7,875.00	7,450.00	7,320.83	92.53	34.37	-78.22	1,215.56	841.42	3,825.39	3,733.70	91.69	41.721		
11,000.00	7,875.00	7,450.00	7,320.83	95.03	34.37	-78.22	1,215.56	841.42	3,895.76	3,803.49	92.27	42.221		
11,100.00	7,875.00	7,450.00	7,320.83	97.53	34.37	-78.22	1,215.56	841.42	3,967.41	3,874.59	92.82	42.744		
11,200.00	7,875.00	7,450.00	7,320.83	100.04	34.37	-78.22	1,215.56	841.42	4,040.26	3,946.92	93.33	43.289		
11,300.00	7,875.00	7,450.00	7,320.83	102.57	34.37	-78.22	1,215.56	841.42	4,114.25	4,020.43	93.81	43.855		
11,400.00	7,875.00	7,450.00	7,320.83	105.10	34.37	-78.22	1,215.56	841.42	4,189.32	4,095.05	94.27	44.440		
11,500.00	7,875.00	7,450.00	7,320.83	107.64	34.37	-78.22	1,215.56	841.42	4,265.41	4,170.72	94.69	45.044		
11,600.00	7,875.00	7,450.00	7,320.83	110.19	34.37	-78.22	1,215.56	841.42	4,342.48	4,247.38	95.09	45.665		
11,700.00	7,875.00	7,450.00	7,320.83	112.74	34.37	-78.22	1,215.56	841.42	4,420.46	4,324.99	95.47	46.302		
11,800.00	7,875.00	7,450.00	7,320.83	115.31	34.37	-78.22	1,215.56	841.42	4,499.31	4,403.49	95.82	46.953		
11,900.00	7,875.00	7,450.00	7,320.83	117.87	34.37	-78.22	1,215.56	841.42	4,578.99	4,482.83	96.16	47.620		
12,000.00	7,875.00	7,450.00	7,320.83	120.45	34.37	-78.22	1,215.56	841.42	4,659.45	4,562.98	96.47	48.299		
12,100.00	7,875.00	7,450.00	7,320.83	123.03	34.37	-78.22	1,215.56	841.42	4,740.66	4,643.90	96.77	48.991		
12,200.00	7,875.00	7,450.00	7,320.83	125.61	34.37	-78.22	1,215.56	841.42	4,822.57	4,725.53	97.04	49.695		
12,300.00	7,875.00	7,450.00	7,320.83	128.20	34.37	-78.22	1,215.56	841.42	4,905.16	4,807.85	97.30	50.410		
12,400.00	7,875.00	7,450.00	7,320.83	130.79	34.37	-78.22	1,215.56	841.42	4,988.38	4,890.83	97.55	51.136		
12,500.00	7,875.00	7,450.00	7,320.83	133.39	34.37	-78.22	1,215.56	841.42	5,072.21	4,974.42	97.78	51.872		
12,600.00	7,875.00	7,450.00	7,320.83	135.99	34.37	-78.22	1,215.56	841.42	5,156.61	5,058.61	98.00	52.617		
12,700.00	7,875.00	7,450.00	7,320.83	138.60	34.37	-78.22	1,215.56	841.42	5,241.56	5,143.35	98.21	53.370		
12,800.00	7,875.00	7,450.00	7,320.83	141.21	34.37	-78.22	1,215.56	841.42	5,327.04	5,228.63	98.41	54.132		
12,900.00	7,875.00	7,450.00	7,320.83	143.82	34.37	-78.22	1,215.56	841.42	5,413.01	5,314.42	98.59	54.902		
13,000.00	7,875.00	7,450.00	7,320.83	146.43	34.37	-78.22	1,215.56	841.42	5,499.46	5,400.69	98.77	55.680		
13,100.00	7,875.00	7,450.00	7,320.83	149.05	34.37	-78.22	1,215.56	841.42	5,586.36	5,487.42	98.94	56.464		
13,200.00	7,875.00	7,450.00	7,320.83	151.67	34.37	-78.22	1,215.56	841.42	5,673.69	5,574.60	99.09	57.255		
13,300.00	7,875.00	7,450.00	7,320.83	154.30	34.37	-78.22	1,215.56	841.42	5,761.43	5,662.19	99.25	58.053		
13,400.00	7,875.00	7,450.00	7,320.83	156.92	34.37	-78.22	1,215.56	841.42	5,849.57	5,750.18	99.39	58.856		
13,500.00	7,875.00	7,450.00	7,320.83	159.55	34.37	-78.22	1,215.56	841.42	5,938.08	5,838.56	99.52	59.665		
13,600.00	7,875.00	7,450.00	7,320.83	162.18	34.37	-78.22	1,215.56	841.42	6,026.96	5,927.30	99.65	60.479		
13,700.00	7,875.00	7,450.00	7,320.83	164.81	34.37	-78.22	1,215.56	841.42	6,116.17	6,016.39	99.78	61.298		
13,800.00	7,875.00	7,450.00	7,320.83	167.45	34.37	-78.22	1,215.56	841.42	6,205.72	6,105.82	99.89	62.123		
13,900.00	7,875.00	7,450.00	7,320.83	170.08	34.37	-78.22	1,215.56	841.42	6,295.57	6,195.57	100.01	62.951		
14,000.00	7,875.00	7,450.00	7,320.83	172.72	34.37	-78.22	1,215.56	841.42	6,385.74	6,285.62	100.11	63.784		
14,100.00	7,875.00	7,450.00	7,320.83	175.36	34.37	-78.22	1,215.56	841.42	6,476.19	6,375.97	100.22	64.621		
14,200.00	7,875.00	7,450.00	7,320.83	178.00	34.37	-78.22	1,215.56	841.42	6,566.91	6,466.60	100.32	65.462		

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 3AH
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 3AH	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	7,875.00	7,450.00	7,320.83	180.65	34.37	-78.22	1,215.56	841.42	6,657.90	6,557.49	100.41	66.306	
14,400.00	7,875.00	7,450.00	7,320.83	183.29	34.37	-78.22	1,215.56	841.42	6,749.15	6,648.65	100.50	67.154	
14,500.00	7,875.00	7,450.00	7,320.83	185.94	34.37	-78.22	1,215.56	841.42	6,840.64	6,740.05	100.59	68.005	
14,600.00	7,875.00	7,450.00	7,320.83	188.59	34.37	-78.22	1,215.56	841.42	6,932.37	6,831.70	100.67	68.860	
14,700.00	7,875.00	7,450.00	7,320.83	191.23	34.37	-78.22	1,215.56	841.42	7,024.32	6,923.57	100.76	69.717	
14,800.00	7,875.00	7,450.00	7,320.83	193.89	34.37	-78.22	1,215.56	841.42	7,116.49	7,015.66	100.83	70.577	
14,900.00	7,875.00	7,450.00	7,320.83	196.54	34.37	-78.22	1,215.56	841.42	7,208.87	7,107.96	100.91	71.439	
15,000.00	7,875.00	7,450.00	7,320.83	199.19	34.37	-78.22	1,215.56	841.42	7,301.45	7,200.47	100.98	72.304	
15,100.00	7,875.00	7,450.00	7,320.83	201.84	34.37	-78.22	1,215.56	841.42	7,394.22	7,293.17	101.05	73.171	
15,200.00	7,875.00	7,450.00	7,320.83	204.50	34.37	-78.22	1,215.56	841.42	7,487.18	7,386.06	101.12	74.041	
15,300.00	7,875.00	7,450.00	7,320.83	207.15	34.37	-78.22	1,215.56	841.42	7,580.32	7,479.13	101.19	74.913	
15,400.00	7,875.00	7,450.00	7,320.83	209.81	34.37	-78.22	1,215.56	841.42	7,673.63	7,572.38	101.25	75.786	
15,500.00	7,875.00	7,450.00	7,320.83	212.47	34.37	-78.22	1,215.56	841.42	7,767.11	7,665.79	101.32	76.662	
15,600.00	7,875.00	7,450.00	7,320.83	215.13	34.37	-78.22	1,215.56	841.42	7,860.74	7,759.37	101.38	77.539	
15,700.00	7,875.00	7,450.00	7,320.83	217.79	34.37	-78.22	1,215.56	841.42	7,954.54	7,853.10	101.44	78.417	
15,800.00	7,875.00	7,450.00	7,320.83	220.45	34.37	-78.22	1,215.56	841.42	8,048.48	7,946.98	101.50	79.298	
15,900.00	7,875.00	7,450.00	7,320.83	223.11	34.37	-78.22	1,215.56	841.42	8,142.57	8,041.01	101.55	80.179	
16,000.00	7,875.00	7,450.00	7,320.83	225.77	34.37	-78.22	1,215.56	841.42	8,236.79	8,135.18	101.61	81.062	
16,100.00	7,875.00	7,450.00	7,320.83	228.44	34.37	-78.22	1,215.56	841.42	8,331.15	8,229.49	101.67	81.947	
16,200.00	7,875.00	7,450.00	7,320.83	231.10	34.37	-78.22	1,215.56	841.42	8,425.64	8,323.92	101.72	82.832	
16,300.00	7,875.00	7,450.00	7,320.83	233.76	34.37	-78.22	1,215.56	841.42	8,520.26	8,418.49	101.77	83.719	
16,400.00	7,875.00	7,450.00	7,320.83	236.43	34.37	-78.22	1,215.56	841.42	8,615.00	8,513.17	101.82	84.606	
16,500.00	7,875.00	7,450.00	7,320.83	239.09	34.37	-78.22	1,215.56	841.42	8,709.85	8,607.98	101.88	85.495	
16,600.00	7,875.00	7,450.00	7,320.83	241.76	34.37	-78.22	1,215.56	841.42	8,804.82	8,702.89	101.93	86.384	
16,700.00	7,875.00	7,450.00	7,320.83	244.43	34.37	-78.22	1,215.56	841.42	8,899.90	8,797.92	101.98	87.275	
16,800.00	7,875.00	7,450.00	7,320.83	247.10	34.37	-78.22	1,215.56	841.42	8,995.09	8,893.06	102.03	88.165	
16,900.00	7,875.00	7,450.00	7,320.83	249.76	34.37	-78.22	1,215.56	841.42	9,090.38	8,988.30	102.07	89.057	
17,000.00	7,875.00	7,450.00	7,320.83	252.43	34.37	-78.22	1,215.56	841.42	9,185.76	9,083.64	102.12	89.949	
17,100.00	7,875.00	7,450.00	7,320.83	255.10	34.37	-78.22	1,215.56	841.42	9,281.25	9,179.08	102.17	90.842	
17,200.00	7,875.00	7,450.00	7,320.83	257.77	34.37	-78.22	1,215.56	841.42	9,376.83	9,274.62	102.22	91.735	
17,300.00	7,875.00	7,450.00	7,320.83	260.44	34.37	-78.22	1,215.56	841.42	9,472.50	9,370.24	102.26	92.629	
17,400.00	7,875.00	7,450.00	7,320.83	263.11	34.37	-78.22	1,215.56	841.42	9,568.27	9,465.96	102.31	93.523	
17,500.00	7,875.00	7,450.00	7,320.83	265.79	34.37	-78.22	1,215.56	841.42	9,664.11	9,561.76	102.36	94.417	
17,600.00	7,875.00	7,450.00	7,320.83	268.46	34.37	-78.22	1,215.56	841.42	9,760.04	9,657.64	102.40	95.312	
17,700.00	7,875.00	7,450.00	7,320.83	271.13	34.37	-78.22	1,215.56	841.42	9,856.05	9,753.61	102.45	96.207	
17,800.00	7,875.00	7,450.00	7,320.83	273.80	34.37	-78.22	1,215.56	841.42	9,952.14	9,849.65	102.49	97.102	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3AH
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 3AH	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	-0.13	124.94	-0.28	124.94					
100.00	100.00	104.80	104.80	0.13	0.15	-0.13	124.94	-0.28	124.94	124.66	0.29	436.775		
200.00	200.00	204.80	204.80	0.49	0.51	-0.13	124.94	-0.28	124.94	123.94	1.00	124.570		
250.00	250.00	254.80	254.80	0.67	0.69	-0.13	124.94	-0.28	124.94	123.58	1.36	91.771 CC, ES		
300.00	300.00	303.66	303.66	0.84	0.86	-165.10	125.19	0.16	125.61	123.91	1.71	73.597		
400.00	399.93	401.36	401.29	1.19	1.21	-164.11	126.88	3.22	130.73	128.33	2.40	54.490		
500.00	499.68	498.40	498.09	1.54	1.56	-162.41	130.14	9.14	140.97	137.85	3.11	45.292		
600.00	599.13	594.38	593.55	1.92	1.93	-160.30	134.93	17.82	156.40	152.57	3.84	40.756		
700.00	698.15	709.61	688.70	2.31	2.38	-158.11	141.11	29.02	176.90	172.25	4.65	38.036		
800.00	796.63	787.34	784.72	2.74	2.70	-156.56	147.58	40.75	201.01	195.68	5.33	37.723		
833.76	829.73	819.90	816.97	2.89	2.83	-156.19	149.76	44.69	209.86	204.27	5.59	37.546		
900.00	894.60	883.70	880.16	3.20	3.09	-155.71	154.02	52.41	227.60	221.51	6.09	37.394		
1,000.00	992.53	980.01	975.55	3.67	3.49	-155.12	160.45	64.06	254.39	247.55	6.84	37.192		
1,100.00	1,090.46	1,076.32	1,070.93	4.14	3.89	-154.64	166.88	75.72	281.20	273.60	7.60	36.994		
1,200.00	1,188.39	1,172.64	1,166.32	4.62	4.29	-154.24	173.31	87.38	308.03	299.66	8.37	36.812		
1,300.00	1,286.32	1,268.95	1,261.71	5.11	4.69	-153.91	179.74	99.03	334.87	325.73	9.14	36.647		
1,400.00	1,384.25	1,365.27	1,357.10	5.60	5.10	-153.63	186.17	110.69	361.72	351.81	9.91	36.497		
1,500.00	1,482.18	1,461.58	1,452.49	6.09	5.50	-153.38	192.60	122.34	388.58	377.89	10.69	36.361		
1,600.00	1,580.12	1,557.89	1,547.88	6.58	5.91	-153.17	199.03	134.00	415.44	403.97	11.46	36.238		
1,700.00	1,678.05	1,654.21	1,643.27	7.07	6.31	-152.98	205.46	145.65	442.31	430.06	12.24	36.126		
1,800.00	1,775.98	1,750.52	1,738.66	7.57	6.72	-152.82	211.89	157.31	469.18	456.15	13.02	36.024		
1,900.00	1,873.91	1,846.84	1,834.05	8.06	7.13	-152.67	218.32	168.96	496.05	482.24	13.81	35.931		
2,000.00	1,971.84	1,943.15	1,929.44	8.55	7.53	-152.54	224.75	180.62	522.93	508.34	14.59	35.846		
2,100.00	2,069.77	2,039.46	2,024.83	9.05	7.94	-152.42	231.18	192.28	549.80	534.43	15.37	35.768		
2,200.00	2,167.70	2,135.78	2,120.22	9.55	8.35	-152.31	237.61	203.93	576.68	560.53	16.16	35.696		
2,300.00	2,265.63	2,232.09	2,215.61	10.04	8.76	-152.21	244.05	215.59	603.57	586.63	16.94	35.629		
2,400.00	2,363.56	2,328.41	2,311.00	10.54	9.16	-152.12	250.48	227.24	630.45	612.73	17.73	35.568		
2,500.00	2,461.49	2,424.72	2,406.39	11.04	9.57	-152.04	256.91	238.90	657.34	638.83	18.51	35.511		
2,600.00	2,559.43	2,521.03	2,501.78	11.54	9.98	-151.96	263.34	250.55	684.22	664.93	19.30	35.458		
2,700.00	2,657.36	2,617.35	2,597.17	12.03	10.39	-151.89	269.77	262.21	711.11	691.03	20.08	35.408		
2,800.00	2,755.29	2,713.66	2,692.56	12.53	10.79	-151.83	276.20	273.86	738.00	717.13	20.87	35.362		
2,900.00	2,853.22	2,809.98	2,787.95	13.03	11.20	-151.77	282.63	285.52	764.89	743.23	21.66	35.318		
3,000.00	2,951.15	2,906.29	2,883.34	13.53	11.61	-151.71	289.06	297.17	791.78	769.33	22.44	35.277		
3,100.00	3,049.08	3,002.60	2,978.73	14.03	12.02	-151.66	295.49	308.83	818.67	795.44	23.23	35.239		
3,200.00	3,147.01	3,098.92	3,074.12	14.52	12.43	-151.61	301.92	320.49	845.56	821.54	24.02	35.203		
3,300.00	3,244.94	3,204.77	3,169.51	15.02	12.88	-151.56	308.35	332.14	872.45	847.61	24.85	35.114		
3,400.00	3,342.87	3,291.55	3,264.90	15.52	13.24	-151.52	314.78	343.80	899.34	873.75	25.60	35.136		
3,500.00	3,440.80	3,387.86	3,360.28	16.02	13.65	-151.48	321.21	355.45	926.24	899.85	26.38	35.105		
3,600.00	3,538.74	3,484.17	3,455.67	16.52	14.06	-151.44	327.64	367.11	953.13	925.96	27.17	35.076		
3,700.00	3,636.67	3,580.49	3,551.06	17.02	14.47	-151.40	334.08	378.76	980.02	952.06	27.96	35.048		
3,800.00	3,734.60	3,676.80	3,646.45	17.52	14.88	-151.37	340.51	390.42	1,006.92	978.17	28.75	35.022		
3,900.00	3,832.53	3,773.12	3,741.84	18.02	15.29	-151.33	346.94	402.07	1,033.81	1,004.27	29.54	34.997		
4,000.00	3,930.46	3,869.43	3,837.23	18.52	15.70	-151.30	353.37	413.73	1,060.71	1,030.38	30.33	34.973		
4,100.00	4,028.39	3,965.74	3,932.62	19.02	16.10	-151.27	359.80	425.38	1,087.60	1,056.48	31.12	34.950		
4,200.00	4,126.32	4,062.06	4,028.01	19.52	16.51	-151.24	366.23	437.04	1,114.50	1,082.59	31.91	34.928		
4,300.00	4,224.25	4,158.37	4,123.40	20.01	16.92	-151.22	372.66	448.70	1,141.39	1,108.69	32.70	34.907		
4,400.00	4,322.18	4,254.69	4,218.79	20.51	17.33	-151.19	379.09	460.35	1,168.29	1,134.80	33.49	34.887		
4,500.00	4,420.11	4,351.00	4,314.18	21.01	17.74	-151.17	385.52	472.01	1,195.18	1,160.91	34.28	34.868		
4,600.00	4,518.05	4,447.31	4,409.57	21.51	18.15	-151.14	391.95	483.66	1,222.08	1,187.01	35.07	34.850		
4,700.00	4,615.98	4,543.63	4,504.96	22.01	18.56	-151.12	398.38	495.32	1,248.98	1,213.12	35.86	34.832		
4,800.00	4,713.91	4,639.94	4,600.35	22.51	18.96	-151.10	404.81	506.97	1,275.87	1,239.22	36.65	34.815		
4,900.00	4,811.84	4,736.25	4,695.74	23.01	19.37	-151.08	411.24	518.63	1,302.77	1,265.33	37.44	34.798		

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 3AH
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 3AH	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	4,909.77	4,832.57	4,791.13	23.51	19.78	-151.06	417.68	530.28	1,329.67	1,291.44	38.23	34.782		
5,100.00	5,007.70	4,928.88	4,886.52	24.01	20.19	-151.04	424.11	541.94	1,356.56	1,317.54	39.02	34.767		
5,200.00	5,105.63	5,025.20	4,981.91	24.51	20.60	-151.02	430.54	553.60	1,383.46	1,343.65	39.81	34.752		
5,300.00	5,203.56	5,121.51	5,077.30	25.01	21.01	-151.00	436.97	565.25	1,410.36	1,369.76	40.60	34.738		
5,400.00	5,301.49	5,217.82	5,172.69	25.51	21.42	-150.99	443.40	576.91	1,437.25	1,395.86	41.39	34.724		
5,500.00	5,399.43	5,314.14	5,268.08	26.01	21.83	-150.97	449.83	588.56	1,464.15	1,421.97	42.18	34.710		
5,600.00	5,497.36	5,410.45	5,363.47	26.51	22.23	-150.95	456.26	600.22	1,491.05	1,448.08	42.97	34.697		
5,700.00	5,595.29	5,506.77	5,458.86	27.01	22.64	-150.94	462.69	611.87	1,517.95	1,474.18	43.76	34.685		
5,800.00	5,693.22	5,603.08	5,554.25	27.51	23.05	-150.92	469.12	623.53	1,544.84	1,500.29	44.56	34.672		
5,900.00	5,791.15	5,700.61	5,649.63	28.01	23.47	-150.91	475.55	635.18	1,571.74	1,526.39	45.35	34.657		
6,000.00	5,889.08	5,795.71	5,745.02	28.51	23.87	-150.90	481.98	646.84	1,598.64	1,552.50	46.14	34.649		
6,100.00	5,987.01	5,907.98	5,840.41	29.01	24.35	-150.88	488.41	658.49	1,625.54	1,578.54	46.99	34.590		
6,200.00	6,084.94	5,988.34	5,935.80	29.51	24.69	-150.87	494.84	670.15	1,652.43	1,604.71	47.72	34.627		
6,300.00	6,182.87	6,084.65	6,031.19	30.01	25.10	-150.86	501.27	681.81	1,679.33	1,630.82	48.51	34.616		
6,400.00	6,280.80	6,180.96	6,126.58	30.51	25.51	-150.85	507.71	693.46	1,706.23	1,656.93	49.31	34.606		
6,500.00	6,378.74	6,277.28	6,221.97	31.01	25.91	-150.83	514.14	705.12	1,733.13	1,683.03	50.10	34.596		
6,600.00	6,476.67	6,373.59	6,317.36	31.51	26.32	-150.82	520.57	716.77	1,760.03	1,709.14	50.89	34.586		
6,700.00	6,574.60	6,469.91	6,412.75	32.01	26.73	-150.81	527.00	728.43	1,786.93	1,735.24	51.68	34.576		
6,800.00	6,672.53	6,566.22	6,508.14	32.51	27.14	-150.80	533.43	740.08	1,813.82	1,761.35	52.47	34.567		
6,900.00	6,770.46	6,662.53	6,603.53	33.01	27.55	-150.79	539.86	751.74	1,840.72	1,787.46	53.27	34.557		
7,000.00	6,868.39	6,758.85	6,698.92	33.51	27.96	-150.78	546.29	763.39	1,867.62	1,813.56	54.06	34.548		
7,100.00	6,966.32	6,855.16	6,794.31	34.01	28.37	-150.77	552.72	775.05	1,894.52	1,839.67	54.85	34.540		
7,200.00	7,064.25	6,951.48	6,889.70	34.51	28.78	-150.76	559.15	786.71	1,921.42	1,865.77	55.64	34.531		
7,300.00	7,162.18	7,047.79	6,985.09	35.01	29.19	-150.75	565.58	798.36	1,948.32	1,891.88	56.44	34.523		
7,400.00	7,260.11	7,144.10	7,080.48	35.51	29.59	-150.74	572.01	810.02	1,975.21	1,917.99	57.23	34.514		
7,485.17	7,343.52	7,226.13	7,161.72	35.94	29.94	-150.74	577.49	819.94	1,998.12	1,940.22	57.90	34.507		
7,500.00	7,358.03	7,240.43	7,175.88	36.01	30.00	-143.67	578.44	821.67	2,002.07	1,944.05	58.02	34.505		
7,550.00	7,406.68	7,288.69	7,223.68	36.27	30.21	-124.49	581.67	827.51	2,014.67	1,956.24	58.43	34.479		
7,600.00	7,454.62	7,336.77	7,271.30	36.54	30.41	-111.81	584.88	833.33	2,026.15	1,967.30	58.85	34.427		
7,650.00	7,501.47	7,423.62	7,357.51	36.81	30.76	-103.86	590.68	841.77	2,036.38	1,976.84	59.54	34.200		
7,700.00	7,546.90	7,700.00	7,517.05	37.08	31.37	-100.39	601.22	824.49	2,042.97	1,982.37	60.60	33.710		
7,750.00	7,590.54	7,730.25	7,651.78	37.36	31.33	-99.47	609.91	772.23	2,047.03	1,986.22	60.81	33.663		
7,800.00	7,632.07	7,771.29	7,703.61	37.65	31.35	-98.07	613.18	740.22	2,050.22	1,989.16	61.06	33.577		
7,850.00	7,671.18	7,822.71	7,728.89	37.94	31.36	-96.63	614.76	721.63	2,053.39	1,992.09	61.30	33.495		
7,900.00	7,707.56	7,836.93	7,739.99	38.23	31.36	-95.17	615.45	712.77	2,056.85	1,995.30	61.55	33.418		
7,950.00	7,740.93	7,840.61	7,742.82	38.53	31.36	-93.71	615.63	710.43	2,060.68	1,998.89	61.80	33.347		
8,000.00	7,771.06	7,837.46	7,740.40	38.84	31.36	-92.28	615.48	712.43	2,064.89	2,002.85	62.04	33.281		
8,050.00	7,797.69	7,829.69	7,734.36	39.16	31.36	-90.89	615.10	717.32	2,069.43	2,007.13	62.30	33.218		
8,100.00	7,820.64	7,818.65	7,725.68	39.50	31.36	-89.55	614.56	724.11	2,074.21	2,011.65	62.56	33.153		
8,150.00	7,839.72	7,805.25	7,714.96	39.85	31.36	-88.27	613.89	732.13	2,079.15	2,016.31	62.84	33.085		
8,200.00	7,854.80	7,790.08	7,702.61	40.22	31.35	-87.06	613.12	740.91	2,084.16	2,021.02	63.14	33.008		
8,250.00	7,865.75	7,773.57	7,688.91	40.60	31.35	-85.93	612.26	750.08	2,089.14	2,025.68	63.46	32.923		
8,300.00	7,872.50	7,756.02	7,674.07	41.01	31.34	-84.89	611.32	759.40	2,093.97	2,030.18	63.79	32.825		
8,354.11	7,875.00	7,736.11	7,656.89	41.47	31.33	-83.88	610.23	769.40	2,098.94	2,034.77	64.17	32.707		
8,400.00	7,875.00	7,719.76	7,642.54	41.89	31.32	-83.49	609.32	777.17	2,103.42	2,038.91	64.52	32.603		
8,500.00	7,875.00	7,689.43	7,615.34	42.90	31.30	-82.74	607.58	790.48	2,116.08	2,050.77	65.31	32.399		
8,600.00	7,875.00	7,664.80	7,592.77	44.06	31.28	-82.12	606.13	800.22	2,132.82	2,066.65	66.17	32.233		
8,700.00	7,875.00	7,650.00	7,579.01	45.36	31.26	-81.75	605.25	805.60	2,153.70	2,086.60	67.09	32.100		
8,800.00	7,875.00	7,627.45	7,557.79	46.80	31.23	-81.17	603.87	813.10	2,178.65	2,110.66	67.99	32.046		
8,900.00	7,875.00	7,613.01	7,544.06	48.37	31.21	-80.80	602.98	817.47	2,207.64	2,138.73	68.92	32.034 SF		
9,000.00	7,875.00	7,600.00	7,531.59	50.05	31.19	-80.46	602.17	821.10	2,240.55	2,170.71	69.84	32.082		
9,100.00	7,875.00	7,600.00	7,531.59	51.83	31.19	-80.46	602.17	821.10	2,277.30	2,206.49	70.81	32.160		

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 3AH
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 3AH	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	7,875.00	7,580.51	7,512.77	53.70	31.16	-79.95	600.94	826.02	2,317.56	2,245.93	71.63	32.356		
9,300.00	7,875.00	7,572.24	7,504.73	55.65	31.15	-79.73	600.42	827.91	2,361.34	2,288.87	72.47	32.582		
9,400.00	7,875.00	7,550.00	7,483.01	57.66	31.11	-79.14	599.00	832.41	2,408.54	2,335.37	73.18	32.913		
9,500.00	7,875.00	7,550.00	7,483.01	59.74	31.11	-79.14	599.00	832.41	2,458.62	2,384.64	73.99	33.230		
9,600.00	7,875.00	7,550.00	7,483.01	61.88	31.11	-79.14	599.00	832.41	2,511.69	2,436.94	74.75	33.602		
9,700.00	7,875.00	7,550.00	7,483.01	64.06	31.11	-79.14	599.00	832.41	2,567.55	2,492.10	75.46	34.026		
9,800.00	7,875.00	7,550.00	7,483.01	66.28	31.11	-79.14	599.00	832.41	2,626.04	2,549.92	76.12	34.499		
9,900.00	7,875.00	7,550.00	7,483.01	68.54	31.11	-79.14	599.00	832.41	2,686.97	2,610.24	76.73	35.018		
10,000.00	7,875.00	7,550.00	7,483.01	70.84	31.11	-79.14	599.00	832.41	2,750.20	2,672.90	77.30	35.579		
10,100.00	7,875.00	7,530.17	7,463.49	73.16	31.06	-78.61	597.71	835.71	2,815.26	2,737.57	77.69	36.238		
10,200.00	7,875.00	7,526.76	7,460.13	75.51	31.05	-78.52	597.49	836.21	2,882.48	2,804.33	78.15	36.884		
10,300.00	7,875.00	7,523.60	7,457.01	77.89	31.05	-78.44	597.29	836.65	2,951.55	2,872.97	78.57	37.564		
10,400.00	7,875.00	7,520.68	7,454.12	80.29	31.04	-78.36	597.10	837.05	3,022.33	2,943.37	78.97	38.274		
10,500.00	7,875.00	7,500.00	7,433.63	82.70	30.99	-77.81	595.74	839.43	3,094.97	3,015.77	79.20	39.078		
10,600.00	7,875.00	7,500.00	7,433.63	85.14	30.99	-77.81	595.74	839.43	3,168.79	3,089.23	79.55	39.833		
10,700.00	7,875.00	7,500.00	7,433.63	87.59	30.99	-77.81	595.74	839.43	3,244.00	3,164.13	79.87	40.614		
10,800.00	7,875.00	7,500.00	7,433.63	90.06	30.99	-77.81	595.74	839.43	3,320.52	3,240.35	80.17	41.418		
10,900.00	7,875.00	7,500.00	7,433.63	92.53	30.99	-77.81	595.74	839.43	3,398.27	3,317.82	80.44	42.244		
11,000.00	7,875.00	7,500.00	7,433.63	95.03	30.99	-77.81	595.74	839.43	3,477.15	3,396.45	80.70	43.089		
11,100.00	7,875.00	7,500.00	7,433.63	97.53	30.99	-77.81	595.74	839.43	3,557.09	3,476.16	80.93	43.954		
11,200.00	7,875.00	7,500.00	7,433.63	100.04	30.99	-77.81	595.74	839.43	3,638.03	3,556.88	81.14	44.835		
11,300.00	7,875.00	7,500.00	7,433.63	102.57	30.99	-77.81	595.74	839.43	3,719.89	3,638.55	81.34	45.733		
11,400.00	7,875.00	7,500.00	7,433.63	105.10	30.99	-77.81	595.74	839.43	3,802.62	3,721.10	81.52	46.646		
11,500.00	7,875.00	7,500.00	7,433.63	107.64	30.99	-77.81	595.74	839.43	3,886.16	3,804.47	81.69	47.572		
11,600.00	7,875.00	7,500.00	7,433.63	110.19	30.99	-77.81	595.74	839.43	3,970.46	3,888.62	81.85	48.511		
11,700.00	7,875.00	7,500.00	7,433.63	112.74	30.99	-77.81	595.74	839.43	4,055.48	3,973.49	81.99	49.463		
11,800.00	7,875.00	7,500.00	7,433.63	115.31	30.99	-77.81	595.74	839.43	4,141.17	4,059.04	82.13	50.425		
11,900.00	7,875.00	7,500.00	7,433.63	117.87	30.99	-77.81	595.74	839.43	4,227.48	4,145.23	82.25	51.397		
12,000.00	7,875.00	7,500.00	7,433.63	120.45	30.99	-77.81	595.74	839.43	4,314.39	4,232.02	82.37	52.380		
12,100.00	7,875.00	7,500.00	7,433.63	123.03	30.99	-77.81	595.74	839.43	4,401.85	4,319.37	82.48	53.371		
12,200.00	7,875.00	7,500.00	7,433.63	125.61	30.99	-77.81	595.74	839.43	4,489.83	4,407.25	82.58	54.371		
12,300.00	7,875.00	7,500.00	7,433.63	128.20	30.99	-77.81	595.74	839.43	4,578.31	4,495.64	82.67	55.378		
12,400.00	7,875.00	7,500.00	7,433.63	130.79	30.99	-77.81	595.74	839.43	4,667.26	4,584.49	82.76	56.392		
12,500.00	7,875.00	7,500.00	7,433.63	133.39	30.99	-77.81	595.74	839.43	4,756.64	4,673.79	82.85	57.414		
12,600.00	7,875.00	7,500.00	7,433.63	135.99	30.99	-77.81	595.74	839.43	4,846.44	4,763.51	82.93	58.442		
12,700.00	7,875.00	7,500.00	7,433.63	138.60	30.99	-77.81	595.74	839.43	4,936.63	4,853.62	83.00	59.475		
12,800.00	7,875.00	7,500.00	7,433.63	141.21	30.99	-77.81	595.74	839.43	5,027.19	4,944.11	83.07	60.514		
12,900.00	7,875.00	7,500.00	7,433.63	143.82	30.99	-77.81	595.74	839.43	5,118.10	5,034.96	83.14	61.558		
13,000.00	7,875.00	7,500.00	7,433.63	146.43	30.99	-77.81	595.74	839.43	5,209.35	5,126.14	83.21	62.607		
13,100.00	7,875.00	7,500.00	7,433.63	149.05	30.99	-77.81	595.74	839.43	5,300.91	5,217.64	83.27	63.660		
13,200.00	7,875.00	7,500.00	7,433.63	151.67	30.99	-77.81	595.74	839.43	5,392.77	5,309.44	83.33	64.718		
13,300.00	7,875.00	7,500.00	7,433.63	154.30	30.99	-77.81	595.74	839.43	5,484.92	5,401.53	83.38	65.779		
13,400.00	7,875.00	7,500.00	7,433.63	156.92	30.99	-77.81	595.74	839.43	5,577.33	5,493.90	83.44	66.844		
13,500.00	7,875.00	7,500.00	7,433.63	159.55	30.99	-77.81	595.74	839.43	5,670.01	5,586.52	83.49	67.912		
13,600.00	7,875.00	7,500.00	7,433.63	162.18	30.99	-77.81	595.74	839.43	5,762.93	5,679.39	83.54	68.983		
13,700.00	7,875.00	7,500.00	7,433.63	164.81	30.99	-77.81	595.74	839.43	5,856.08	5,772.49	83.59	70.057		
13,800.00	7,875.00	7,500.00	7,433.63	167.45	30.99	-77.81	595.74	839.43	5,949.45	5,865.82	83.64	71.134		
13,900.00	7,875.00	7,477.43	7,411.17	170.08	30.93	-77.21	594.25	841.18	6,042.58	5,959.03	83.56	72.318		
14,000.00	7,875.00	7,476.90	7,410.64	172.72	30.93	-77.19	594.22	841.21	6,136.35	6,052.75	83.60	73.403		
14,100.00	7,875.00	7,476.38	7,410.13	175.36	30.93	-77.18	594.18	841.24	6,230.31	6,146.67	83.64	74.490		
14,200.00	7,875.00	7,475.88	7,409.63	178.00	30.93	-77.16	594.15	841.27	6,324.46	6,240.78	83.68	75.579		
14,300.00	7,875.00	7,475.40	7,409.15	180.65	30.92	-77.15	594.12	841.29	6,418.78	6,335.06	83.72	76.669		

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 3AH
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 3AH	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	7,875.00	7,474.93	7,408.68	183.29	30.92	-77.14	594.09	841.32	6,513.27	6,429.51	83.76	77.761		
14,500.00	7,875.00	7,474.47	7,408.22	185.94	30.92	-77.13	594.06	841.34	6,607.92	6,524.12	83.80	78.854		
14,600.00	7,875.00	7,474.03	7,407.78	188.59	30.92	-77.11	594.03	841.37	6,702.73	6,618.89	83.84	79.949		
14,700.00	7,875.00	7,473.59	7,407.35	191.23	30.92	-77.10	594.00	841.39	6,797.69	6,713.81	83.88	81.045		
14,800.00	7,875.00	7,473.18	7,406.94	193.89	30.92	-77.09	593.97	841.41	6,892.78	6,808.87	83.91	82.142		
14,900.00	7,875.00	7,472.77	7,406.53	196.54	30.92	-77.08	593.95	841.43	6,988.02	6,904.07	83.95	83.239		
15,000.00	7,875.00	7,450.00	7,383.82	199.19	30.85	-76.47	592.43	842.11	7,083.83	6,999.97	83.86	84.472		
15,100.00	7,875.00	7,450.00	7,383.82	201.84	30.85	-76.47	592.43	842.11	7,179.31	7,095.41	83.90	85.570		
15,200.00	7,875.00	7,450.00	7,383.82	204.50	30.85	-76.47	592.43	842.11	7,274.91	7,190.97	83.94	86.668		
15,300.00	7,875.00	7,450.00	7,383.82	207.15	30.85	-76.47	592.43	842.11	7,370.62	7,286.64	83.98	87.767		
15,400.00	7,875.00	7,450.00	7,383.82	209.81	30.85	-76.47	592.43	842.11	7,466.45	7,382.43	84.02	88.866		
15,500.00	7,875.00	7,450.00	7,383.82	212.47	30.85	-76.47	592.43	842.11	7,562.39	7,478.33	84.06	89.966		
15,600.00	7,875.00	7,450.00	7,383.82	215.13	30.85	-76.47	592.43	842.11	7,658.43	7,574.33	84.10	91.066		
15,700.00	7,875.00	7,450.00	7,383.82	217.79	30.85	-76.47	592.43	842.11	7,754.56	7,670.43	84.14	92.166		
15,800.00	7,875.00	7,450.00	7,383.82	220.45	30.85	-76.47	592.43	842.11	7,850.80	7,766.62	84.18	93.266		
15,900.00	7,875.00	7,450.00	7,383.82	223.11	30.85	-76.47	592.43	842.11	7,947.13	7,862.91	84.22	94.366		
16,000.00	7,875.00	7,450.00	7,383.82	225.77	30.85	-76.47	592.43	842.11	8,043.55	7,959.29	84.26	95.466		
16,100.00	7,875.00	7,450.00	7,383.82	228.44	30.85	-76.47	592.43	842.11	8,140.05	8,055.76	84.30	96.566		
16,200.00	7,875.00	7,450.00	7,383.82	231.10	30.85	-76.47	592.43	842.11	8,236.64	8,152.30	84.34	97.665		
16,300.00	7,875.00	7,450.00	7,383.82	233.76	30.85	-76.47	592.43	842.11	8,333.31	8,248.93	84.38	98.765		
16,400.00	7,875.00	7,450.00	7,383.82	236.43	30.85	-76.47	592.43	842.11	8,430.06	8,345.64	84.42	99.864		
16,500.00	7,875.00	7,450.00	7,383.82	239.09	30.85	-76.47	592.43	842.11	8,526.88	8,442.42	84.46	100.962		
16,600.00	7,875.00	7,450.00	7,383.82	241.76	30.85	-76.47	592.43	842.11	8,623.77	8,539.27	84.50	102.060		
16,700.00	7,875.00	7,450.00	7,383.82	244.43	30.85	-76.47	592.43	842.11	8,720.73	8,636.20	84.54	103.158		
16,800.00	7,875.00	7,450.00	7,383.82	247.10	30.85	-76.47	592.43	842.11	8,817.77	8,733.19	84.58	104.255		
16,900.00	7,875.00	7,450.00	7,383.82	249.76	30.85	-76.47	592.43	842.11	8,914.86	8,830.24	84.62	105.351		
17,000.00	7,875.00	7,450.00	7,383.82	252.43	30.85	-76.47	592.43	842.11	9,012.03	8,927.36	84.66	106.446		
17,100.00	7,875.00	7,450.00	7,383.82	255.10	30.85	-76.47	592.43	842.11	9,109.25	9,024.54	84.70	107.541		
17,200.00	7,875.00	7,450.00	7,383.82	257.77	30.85	-76.47	592.43	842.11	9,206.53	9,121.78	84.75	108.635		
17,300.00	7,875.00	7,450.00	7,383.82	260.44	30.85	-76.47	592.43	842.11	9,303.87	9,219.08	84.79	109.728		
17,400.00	7,875.00	7,450.00	7,383.82	263.11	30.85	-76.47	592.43	842.11	9,401.26	9,316.43	84.83	110.821		
17,500.00	7,875.00	7,450.00	7,383.82	265.79	30.85	-76.47	592.43	842.11	9,498.71	9,413.84	84.88	111.912		
17,600.00	7,875.00	7,450.00	7,383.82	268.46	30.85	-76.47	592.43	842.11	9,596.22	9,511.30	84.92	113.002		
17,700.00	7,875.00	7,450.00	7,383.82	271.13	30.85	-76.47	592.43	842.11	9,693.77	9,608.80	84.96	114.092		
17,800.00	7,875.00	7,450.00	7,383.82	273.80	30.85	-76.47	592.43	842.11	9,791.37	9,706.36	85.01	115.180		
17,900.00	7,875.00	7,450.00	7,383.82	276.48	30.85	-76.47	592.43	842.11	9,889.02	9,803.97	85.05	116.267		
18,000.00	7,875.00	7,450.00	7,383.82	279.15	30.85	-76.47	592.43	842.11	9,986.72	9,901.62	85.10	117.354		

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3AH
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 3AH	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	-0.22	74.67	-0.28	74.68				
100.00	100.00	104.40	104.40	0.13	0.15	-0.22	74.67	-0.28	74.68	74.39	0.28	262.363	
200.00	200.00	204.40	204.40	0.49	0.51	-0.22	74.67	-0.28	74.68	73.67	1.00	74.558	
250.00	250.00	254.41	254.41	0.67	0.69	-0.21	74.67	-0.28	74.67	73.32	1.36	54.920	
250.67	250.67	255.08	255.08	0.67	0.69	-165.34	74.67	-0.28	74.67	73.31	1.36	54.734 CC, ES	
300.00	300.00	304.57	304.57	0.84	0.86	-165.03	74.61	0.23	75.03	73.33	1.71	43.972	
400.00	399.93	404.77	404.70	1.19	1.21	-163.01	74.16	3.87	78.01	75.61	2.40	32.535	
500.00	499.68	504.62	504.28	1.54	1.58	-159.51	73.28	10.94	84.21	81.10	3.12	27.033	
600.00	599.13	604.07	602.99	1.92	1.95	-155.20	71.99	21.38	93.98	90.12	3.86	24.366	
700.00	698.15	702.79	701.14	2.31	2.34	-151.63	70.48	33.48	107.40	102.78	4.62	23.247	
800.00	796.63	801.32	798.91	2.74	2.74	-149.61	68.99	45.53	124.08	118.68	5.40	22.988	
833.76	829.73	834.48	831.82	2.89	2.87	-149.21	68.49	49.59	130.40	124.74	5.67	23.012	
900.00	894.60	900.53	896.31	3.20	3.14	-148.72	67.50	57.53	143.15	136.96	6.19	23.125	
1,000.00	992.53	1,002.42	993.68	3.67	3.55	-148.13	66.01	69.54	162.40	155.40	6.99	23.217	
1,100.00	1,090.46	1,104.30	1,091.05	4.14	3.97	-147.66	64.52	81.54	181.67	173.86	7.81	23.269	
1,200.00	1,188.39	1,193.82	1,188.42	4.62	4.33	-147.28	63.03	93.54	200.94	192.37	8.57	23.435	
1,300.00	1,286.32	1,308.07	1,285.79	5.11	4.80	-146.97	61.54	105.54	220.23	210.78	9.45	23.312	
1,400.00	1,384.25	1,409.95	1,383.16	5.60	5.22	-146.70	60.05	117.54	239.51	229.24	10.27	23.317	
1,500.00	1,482.18	1,488.17	1,480.53	6.09	5.54	-146.48	58.56	129.54	258.81	247.81	11.00	23.523	
1,600.00	1,580.12	1,586.28	1,577.89	6.58	5.95	-146.29	57.07	141.54	278.10	266.29	11.82	23.536	
1,700.00	1,678.05	1,684.40	1,675.26	7.07	6.35	-146.12	55.58	153.54	297.40	284.77	12.63	23.544	
1,800.00	1,775.98	1,782.52	1,772.63	7.57	6.76	-145.98	54.09	165.54	316.70	303.25	13.45	23.549	
1,900.00	1,873.91	1,880.63	1,870.00	8.06	7.16	-145.85	52.60	177.54	336.01	321.74	14.27	23.552	
2,000.00	1,971.84	1,978.75	1,967.37	8.55	7.57	-145.73	51.12	189.54	355.31	340.22	15.09	23.553	
2,100.00	2,069.77	2,076.87	2,064.74	9.05	7.97	-145.63	49.63	201.54	374.61	358.71	15.91	23.553	
2,200.00	2,167.70	2,174.98	2,162.11	9.55	8.38	-145.53	48.14	213.54	393.92	377.20	16.73	23.552	
2,300.00	2,265.63	2,273.10	2,259.47	10.04	8.78	-145.45	46.65	225.54	413.23	395.68	17.55	23.551	
2,400.00	2,363.56	2,371.22	2,356.84	10.54	9.19	-145.37	45.16	237.54	432.54	414.17	18.37	23.549	
2,500.00	2,461.49	2,469.33	2,454.21	11.04	9.59	-145.30	43.67	249.54	451.84	432.66	19.19	23.546	
2,600.00	2,559.43	2,567.45	2,551.58	11.54	10.00	-145.23	42.18	261.55	471.15	451.14	20.01	23.544	
2,700.00	2,657.36	2,665.57	2,648.95	12.03	10.41	-145.17	40.69	273.55	490.46	469.63	20.83	23.541	
2,800.00	2,755.29	2,763.68	2,746.32	12.53	10.81	-145.12	39.20	285.55	509.77	488.12	21.66	23.538	
2,900.00	2,853.22	2,861.80	2,843.69	13.03	11.22	-145.07	37.71	297.55	529.09	506.60	22.48	23.535	
3,000.00	2,951.15	2,959.92	2,941.06	13.53	11.63	-145.02	36.22	309.55	548.40	525.09	23.30	23.532	
3,100.00	3,049.08	3,058.03	3,038.42	14.03	12.03	-144.98	34.73	321.55	567.71	543.58	24.13	23.529	
3,200.00	3,147.01	3,156.15	3,135.79	14.52	12.44	-144.93	33.24	333.55	587.02	562.07	24.95	23.527	
3,300.00	3,244.94	3,254.27	3,233.16	15.02	12.84	-144.90	31.75	345.55	606.33	580.56	25.78	23.524	
3,400.00	3,342.87	3,352.38	3,330.53	15.52	13.25	-144.86	30.26	357.55	625.64	599.04	26.60	23.521	
3,500.00	3,440.80	3,450.50	3,427.90	16.02	13.66	-144.82	28.77	369.55	644.96	617.53	27.42	23.518	
3,600.00	3,538.74	3,548.62	3,525.27	16.52	14.06	-144.79	27.28	381.55	664.27	636.02	28.25	23.515	
3,700.00	3,636.67	3,646.73	3,622.64	17.02	14.47	-144.76	25.79	393.55	683.58	654.51	29.07	23.512	
3,800.00	3,734.60	3,744.85	3,720.00	17.52	14.88	-144.73	24.31	405.55	702.90	673.00	29.90	23.510	
3,900.00	3,832.53	3,842.97	3,817.37	18.02	15.28	-144.71	22.82	417.55	722.21	691.49	30.72	23.507	
4,000.00	3,930.46	3,941.08	3,914.74	18.52	15.69	-144.68	21.33	429.55	741.52	709.97	31.55	23.504	
4,100.00	4,028.39	4,039.20	4,012.11	19.02	16.10	-144.66	19.84	441.55	760.84	728.46	32.37	23.502	
4,200.00	4,126.32	4,137.32	4,109.48	19.52	16.50	-144.63	18.35	453.56	780.15	746.95	33.20	23.499	
4,300.00	4,224.25	4,235.43	4,206.85	20.01	16.91	-144.61	16.86	465.56	799.46	765.44	34.02	23.497	
4,400.00	4,322.18	4,333.55	4,304.22	20.51	17.32	-144.59	15.37	477.56	818.78	783.93	34.85	23.495	
4,500.00	4,420.11	4,431.67	4,401.58	21.01	17.72	-144.57	13.88	489.56	838.09	802.42	35.68	23.492	
4,600.00	4,518.05	4,529.78	4,498.95	21.51	18.13	-144.55	12.39	501.56	857.41	820.90	36.50	23.490	
4,700.00	4,615.98	4,627.90	4,596.32	22.01	18.54	-144.53	10.90	513.56	876.72	839.39	37.33	23.488	
4,800.00	4,713.91	4,726.02	4,693.69	22.51	18.94	-144.51	9.41	525.56	896.03	857.88	38.15	23.486	

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 3AH
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 3AH	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	4,811.84	4,824.13	4,791.06	23.01	19.35	-144.50	7.92	537.56	915.35	876.37	38.98	23.484		
5,000.00	4,909.77	4,922.25	4,888.43	23.51	19.76	-144.48	6.43	549.56	934.66	894.86	39.80	23.482		
5,100.00	5,007.70	5,020.37	4,985.80	24.01	20.16	-144.47	4.94	561.56	953.98	913.35	40.63	23.480		
5,200.00	5,105.63	5,118.48	5,083.17	24.51	20.57	-144.45	3.45	573.56	973.29	931.84	41.46	23.478		
5,300.00	5,203.56	5,216.60	5,180.53	25.01	20.98	-144.44	1.96	585.56	992.61	950.32	42.28	23.476		
5,400.00	5,301.49	5,314.72	5,277.90	25.51	21.38	-144.42	0.47	597.56	1,011.92	968.81	43.11	23.474		
5,500.00	5,399.43	5,412.83	5,375.27	26.01	21.79	-144.41	-1.02	609.56	1,031.24	987.30	43.93	23.472		
5,600.00	5,497.36	5,510.95	5,472.64	26.51	22.20	-144.40	-2.50	621.56	1,050.55	1,005.79	44.76	23.470		
5,700.00	5,595.29	5,609.07	5,570.01	27.01	22.60	-144.38	-3.99	633.56	1,069.87	1,024.28	45.59	23.468		
5,800.00	5,693.22	5,707.18	5,667.38	27.51	23.01	-144.37	-5.48	645.57	1,089.18	1,042.77	46.41	23.467		
5,900.00	5,791.15	5,805.30	5,764.75	28.01	23.42	-144.36	-6.97	657.57	1,108.50	1,061.25	47.24	23.465		
6,000.00	5,889.08	5,903.42	5,862.11	28.51	23.83	-144.35	-8.46	669.57	1,127.81	1,079.74	48.07	23.463		
6,100.00	5,987.01	6,001.53	5,959.48	29.01	24.23	-144.34	-9.95	681.57	1,147.13	1,098.23	48.89	23.461		
6,200.00	6,084.94	6,100.35	6,056.85	29.51	24.64	-144.33	-11.44	693.57	1,166.44	1,116.72	49.72	23.458		
6,300.00	6,182.87	6,202.23	6,154.22	30.01	25.06	-144.32	-12.93	705.57	1,185.76	1,135.19	50.57	23.450		
6,400.00	6,280.80	6,304.12	6,251.59	30.51	25.49	-144.31	-14.42	717.57	1,205.07	1,153.66	51.41	23.441		
6,500.00	6,378.74	6,394.00	6,348.96	31.01	25.86	-144.30	-15.91	729.57	1,224.39	1,172.18	52.20	23.455		
6,600.00	6,476.67	6,507.88	6,446.33	31.51	26.33	-144.29	-17.40	741.57	1,243.70	1,190.61	53.09	23.425		
6,700.00	6,574.60	6,609.77	6,543.70	32.01	26.75	-144.28	-18.89	753.57	1,263.02	1,209.08	53.94	23.417		
6,800.00	6,672.53	6,688.35	6,641.06	32.51	27.08	-144.27	-20.38	765.57	1,282.33	1,227.65	54.68	23.450		
6,900.00	6,770.46	6,786.47	6,738.43	33.01	27.49	-144.26	-21.87	777.57	1,301.65	1,246.14	55.51	23.449		
7,000.00	6,868.39	6,884.59	6,835.80	33.51	27.89	-144.26	-23.36	789.57	1,320.96	1,264.62	56.34	23.448		
7,100.00	6,966.32	6,982.70	6,933.17	34.01	28.30	-144.25	-24.85	801.57	1,340.28	1,283.11	57.16	23.446		
7,200.00	7,064.25	7,080.82	7,030.54	34.51	28.71	-144.24	-26.34	813.57	1,359.59	1,301.60	57.99	23.445		
7,300.00	7,162.18	7,178.94	7,127.91	35.01	29.11	-144.23	-27.83	825.57	1,378.91	1,320.09	58.82	23.443		
7,400.00	7,260.11	7,277.05	7,225.28	35.51	29.52	-144.23	-29.32	837.58	1,398.22	1,338.58	59.65	23.442		
7,485.17	7,343.52	7,741.96	7,660.96	35.94	30.33	-150.85	-36.98	716.43	1,403.59	1,343.81	59.78	23.481		
7,500.00	7,358.03	7,794.58	7,700.40	36.01	30.36	-145.81	-37.82	681.64	1,402.71	1,343.14	59.58	23.545		
7,550.00	7,406.68	7,906.94	7,773.00	36.27	30.46	-132.06	-39.47	596.13	1,398.46	1,339.08	59.38	23.553		
7,600.00	7,454.62	7,959.93	7,801.12	36.54	30.54	-122.78	-40.18	551.25	1,394.09	1,334.48	59.60	23.389		
7,650.00	7,501.47	7,983.55	7,812.30	36.81	30.59	-116.45	-40.48	530.44	1,390.71	1,330.76	59.95	23.197		
7,700.00	7,546.90	7,991.38	7,815.81	37.08	30.61	-111.84	-40.57	523.45	1,388.72	1,328.41	60.31	23.028		
7,741.04	7,582.87	7,990.69	7,815.51	37.31	30.61	-108.82	-40.56	524.06	1,388.21	1,327.64	60.57	22.919		
7,750.00	7,590.54	7,989.93	7,815.17	37.36	30.60	-108.22	-40.55	524.75	1,388.23	1,327.61	60.62	22.899		
7,800.00	7,632.07	7,982.62	7,811.87	37.65	30.59	-105.18	-40.46	531.27	1,389.25	1,328.36	60.89	22.815		
7,850.00	7,671.18	7,971.40	7,806.66	37.94	30.57	-102.51	-40.32	541.20	1,391.69	1,330.59	61.10	22.776 SF		
7,900.00	7,707.56	7,957.46	7,799.90	38.23	30.54	-100.05	-40.15	553.40	1,395.47	1,334.20	61.27	22.777		
7,950.00	7,740.93	7,941.54	7,791.84	38.53	30.51	-97.75	-39.94	567.12	1,400.44	1,339.06	61.39	22.813		
8,000.00	7,771.06	7,924.16	7,782.59	38.84	30.48	-95.55	-39.71	581.84	1,406.47	1,344.99	61.48	22.877		
8,050.00	7,797.69	7,905.66	7,772.27	39.16	30.46	-93.44	-39.45	597.19	1,413.39	1,351.84	61.55	22.965		
8,100.00	7,820.64	7,886.30	7,760.94	39.50	30.43	-91.40	-39.18	612.89	1,421.04	1,359.44	61.60	23.067		
8,150.00	7,839.72	7,866.25	7,748.66	39.85	30.41	-89.44	-38.89	628.73	1,429.26	1,367.60	61.66	23.179		
8,200.00	7,854.80	7,845.66	7,735.48	40.22	30.39	-87.56	-38.59	644.54	1,437.87	1,376.15	61.72	23.295		
8,250.00	7,865.75	7,824.63	7,721.44	40.60	30.38	-85.78	-38.28	660.19	1,446.72	1,384.92	61.80	23.408		
8,300.00	7,872.50	7,800.00	7,704.28	41.01	30.36	-84.01	-37.90	677.85	1,455.65	1,393.76	61.90	23.517		
8,354.11	7,875.00	7,779.77	7,689.63	41.47	30.35	-82.44	-37.59	691.79	1,465.22	1,403.18	62.04	23.619		
8,400.00	7,875.00	7,760.48	7,675.20	41.89	30.34	-81.88	-37.28	704.60	1,473.73	1,411.57	62.16	23.707		
8,500.00	7,875.00	7,723.15	7,646.10	42.90	30.32	-80.74	-36.68	727.97	1,495.76	1,433.30	62.46	23.946		
8,600.00	7,875.00	7,700.00	7,627.32	44.06	30.31	-80.02	-36.30	741.49	1,522.74	1,459.91	62.82	24.239		
8,700.00	7,875.00	7,664.06	7,597.11	45.36	30.29	-78.85	-35.71	760.95	1,554.53	1,491.41	63.12	24.627		
8,800.00	7,875.00	7,650.00	7,584.98	46.80	30.28	-78.39	-35.47	768.04	1,591.27	1,527.75	63.53	25.049		
8,900.00	7,875.00	7,620.05	7,558.56	48.37	30.25	-77.39	-34.97	782.13	1,632.55	1,568.73	63.83	25.578		

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 3AH
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 3AH	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		
9,000.00	7,875.00	7,600.00	7,540.48	50.05	30.24	-76.70	-34.63	790.79	1,678.33	1,614.17	64.16	26.157		
9,100.00	7,875.00	7,600.00	7,540.48	51.83	30.24	-76.70	-34.63	790.79	1,728.41	1,663.80	64.61	26.751		
9,200.00	7,875.00	7,572.39	7,515.11	53.70	30.21	-75.75	-34.16	801.67	1,782.10	1,717.26	64.85	27.482		
9,300.00	7,875.00	7,550.00	7,494.17	55.65	30.19	-74.98	-33.78	809.58	1,839.61	1,774.53	65.09	28.264		
9,400.00	7,875.00	7,550.00	7,494.17	57.66	30.19	-74.98	-33.78	809.58	1,900.28	1,834.81	65.47	29.026		
9,500.00	7,875.00	7,550.00	7,494.17	59.74	30.19	-74.98	-33.78	809.58	1,964.16	1,898.34	65.82	29.841		
9,600.00	7,875.00	7,529.61	7,474.85	61.88	30.16	-74.26	-33.43	816.07	2,030.60	1,964.60	66.00	30.768		
9,700.00	7,875.00	7,521.34	7,466.95	64.06	30.15	-73.97	-33.29	818.51	2,099.68	2,033.44	66.24	31.698		
9,800.00	7,875.00	7,500.00	7,446.40	66.28	30.12	-73.22	-32.93	824.26	2,171.23	2,104.87	66.36	32.717		
9,900.00	7,875.00	7,500.00	7,446.40	68.54	30.12	-73.22	-32.93	824.26	2,244.59	2,177.97	66.63	33.689		
10,000.00	7,875.00	7,500.00	7,446.40	70.84	30.12	-73.22	-32.93	824.26	2,319.94	2,253.08	66.87	34.696		
10,100.00	7,875.00	7,500.00	7,446.40	73.16	30.12	-73.22	-32.93	824.26	2,397.09	2,330.01	67.08	35.732		
10,200.00	7,875.00	7,500.00	7,446.40	75.51	30.12	-73.22	-32.93	824.26	2,475.88	2,408.60	67.29	36.797		
10,300.00	7,875.00	7,500.00	7,446.40	77.89	30.12	-73.22	-32.93	824.26	2,556.16	2,488.69	67.47	37.886		
10,400.00	7,875.00	7,479.62	7,426.59	80.29	30.08	-72.51	-32.59	829.04	2,637.40	2,569.89	67.51	39.067		
10,500.00	7,875.00	7,475.28	7,422.35	82.70	30.08	-72.35	-32.51	829.97	2,720.06	2,652.42	67.64	40.212		
10,600.00	7,875.00	7,471.22	7,418.38	85.14	30.07	-72.21	-32.44	830.81	2,803.83	2,736.06	67.77	41.375		
10,700.00	7,875.00	7,450.00	7,397.53	87.59	30.03	-71.46	-32.09	834.72	2,888.88	2,821.11	67.77	42.625		
10,800.00	7,875.00	7,450.00	7,397.53	90.06	30.03	-71.46	-32.09	834.72	2,974.47	2,906.56	67.91	43.802		
10,900.00	7,875.00	7,450.00	7,397.53	92.53	30.03	-71.46	-32.09	834.72	3,060.93	2,992.90	68.03	44.993		
11,000.00	7,875.00	7,450.00	7,397.53	95.03	30.03	-71.46	-32.09	834.72	3,148.20	3,080.05	68.15	46.197		
11,100.00	7,875.00	7,450.00	7,397.53	97.53	30.03	-71.46	-32.09	834.72	3,236.20	3,167.95	68.26	47.412		
11,200.00	7,875.00	7,450.00	7,397.53	100.04	30.03	-71.46	-32.09	834.72	3,324.88	3,256.53	68.36	48.639		
11,300.00	7,875.00	7,450.00	7,397.53	102.57	30.03	-71.46	-32.09	834.72	3,414.19	3,345.74	68.45	49.875		
11,400.00	7,875.00	7,450.00	7,397.53	105.10	30.03	-71.46	-32.09	834.72	3,504.08	3,435.53	68.55	51.120		
11,500.00	7,875.00	7,450.00	7,397.53	107.64	30.03	-71.46	-32.09	834.72	3,594.49	3,525.86	68.63	52.373		
11,600.00	7,875.00	7,450.00	7,397.53	110.19	30.03	-71.46	-32.09	834.72	3,685.41	3,616.69	68.71	53.634		
11,700.00	7,875.00	7,450.00	7,397.53	112.74	30.03	-71.46	-32.09	834.72	3,776.78	3,707.99	68.79	54.901		
11,800.00	7,875.00	7,450.00	7,397.53	115.31	30.03	-71.46	-32.09	834.72	3,868.58	3,799.71	68.87	56.174		
11,900.00	7,875.00	7,450.00	7,397.53	117.87	30.03	-71.46	-32.09	834.72	3,960.78	3,891.84	68.94	57.453		
12,000.00	7,875.00	7,450.00	7,397.53	120.45	30.03	-71.46	-32.09	834.72	4,053.35	3,984.34	69.01	58.736		
12,100.00	7,875.00	7,450.00	7,397.53	123.03	30.03	-71.46	-32.09	834.72	4,146.26	4,077.18	69.08	60.024		
12,200.00	7,875.00	7,450.00	7,397.53	125.61	30.03	-71.46	-32.09	834.72	4,239.49	4,170.35	69.14	61.317		
12,300.00	7,875.00	7,428.63	7,376.39	128.20	29.99	-70.72	-31.73	837.89	4,332.60	4,263.50	69.11	62.695		
12,400.00	7,875.00	7,427.06	7,374.84	130.79	29.98	-70.66	-31.71	838.09	4,426.36	4,357.20	69.16	64.000		
12,500.00	7,875.00	7,425.56	7,373.35	133.39	29.98	-70.61	-31.68	838.28	4,520.38	4,451.16	69.22	65.308		
12,600.00	7,875.00	7,424.12	7,371.93	135.99	29.98	-70.56	-31.66	838.45	4,614.64	4,545.37	69.27	66.618		
12,700.00	7,875.00	7,422.74	7,370.55	138.60	29.97	-70.51	-31.63	838.62	4,709.14	4,639.82	69.32	67.930		
12,800.00	7,875.00	7,400.00	7,347.93	141.21	29.93	-69.72	-31.26	840.89	4,804.28	4,735.01	69.28	69.347		
12,900.00	7,875.00	7,400.00	7,347.93	143.82	29.93	-69.72	-31.26	840.89	4,899.16	4,829.82	69.34	70.656		
13,000.00	7,875.00	7,400.00	7,347.93	146.43	29.93	-69.72	-31.26	840.89	4,994.23	4,924.84	69.40	71.968		
13,100.00	7,875.00	7,400.00	7,347.93	149.05	29.93	-69.72	-31.26	840.89	5,089.50	5,020.05	69.45	73.280		
13,200.00	7,875.00	7,400.00	7,347.93	151.67	29.93	-69.72	-31.26	840.89	5,184.94	5,115.43	69.51	74.594		
13,300.00	7,875.00	7,400.00	7,347.93	154.30	29.93	-69.72	-31.26	840.89	5,280.55	5,210.99	69.56	75.909		
13,400.00	7,875.00	7,400.00	7,347.93	156.92	29.93	-69.72	-31.26	840.89	5,376.32	5,306.70	69.62	77.225		
13,500.00	7,875.00	7,400.00	7,347.93	159.55	29.93	-69.72	-31.26	840.89	5,472.24	5,402.57	69.67	78.541		
13,600.00	7,875.00	7,400.00	7,347.93	162.18	29.93	-69.72	-31.26	840.89	5,568.31	5,498.58	69.73	79.858		
13,700.00	7,875.00	7,400.00	7,347.93	164.81	29.93	-69.72	-31.26	840.89	5,664.51	5,594.73	69.78	81.175		
13,800.00	7,875.00	7,400.00	7,347.93	167.45	29.93	-69.72	-31.26	840.89	5,760.84	5,691.01	69.84	82.492		
13,900.00	7,875.00	7,400.00	7,347.93	170.08	29.93	-69.72	-31.26	840.89	5,857.30	5,787.41	69.89	83.809		
14,000.00	7,875.00	7,400.00	7,347.93	172.72	29.93	-69.72	-31.26	840.89	5,953.87	5,883.92	69.94	85.126		
14,100.00	7,875.00	7,400.00	7,347.93	175.36	29.93	-69.72	-31.26	840.89	6,050.55	5,980.55	70.00	86.442		

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 3AH
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 3AH	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		
14,200.00	7,875.00	7,400.00	7,347.93	178.00	29.93	-69.72	-31.26	840.89	6,147.34	6,077.29	70.05	87.759		
14,300.00	7,875.00	7,400.00	7,347.93	180.65	29.93	-69.72	-31.26	840.89	6,244.23	6,174.13	70.10	89.074		
14,400.00	7,875.00	7,400.00	7,347.93	183.29	29.93	-69.72	-31.26	840.89	6,341.21	6,271.06	70.15	90.389		
14,500.00	7,875.00	7,400.00	7,347.93	185.94	29.93	-69.72	-31.26	840.89	6,438.29	6,368.08	70.21	91.704		
14,600.00	7,875.00	7,400.00	7,347.93	188.59	29.93	-69.72	-31.26	840.89	6,535.46	6,465.20	70.26	93.017		
14,700.00	7,875.00	7,400.00	7,347.93	191.23	29.93	-69.72	-31.26	840.89	6,632.71	6,562.39	70.31	94.329		
14,800.00	7,875.00	7,400.00	7,347.93	193.89	29.93	-69.72	-31.26	840.89	6,730.04	6,659.67	70.37	95.641		
14,900.00	7,875.00	7,400.00	7,347.93	196.54	29.93	-69.72	-31.26	840.89	6,827.45	6,757.03	70.42	96.951		
15,000.00	7,875.00	7,400.00	7,347.93	199.19	29.93	-69.72	-31.26	840.89	6,924.93	6,854.46	70.48	98.260		
15,100.00	7,875.00	7,400.00	7,347.93	201.84	29.93	-69.72	-31.26	840.89	7,022.48	6,951.95	70.53	99.568		
15,200.00	7,875.00	7,400.00	7,347.93	204.50	29.93	-69.72	-31.26	840.89	7,120.10	7,049.52	70.58	100.875		
15,300.00	7,875.00	7,400.00	7,347.93	207.15	29.93	-69.72	-31.26	840.89	7,217.79	7,147.15	70.64	102.180		
15,400.00	7,875.00	7,400.00	7,347.93	209.81	29.93	-69.72	-31.26	840.89	7,315.54	7,244.85	70.69	103.483		
15,500.00	7,875.00	7,400.00	7,347.93	212.47	29.93	-69.72	-31.26	840.89	7,413.35	7,342.60	70.75	104.785		
15,600.00	7,875.00	7,400.00	7,347.93	215.13	29.93	-69.72	-31.26	840.89	7,511.21	7,440.41	70.80	106.085		
15,700.00	7,875.00	7,400.00	7,347.93	217.79	29.93	-69.72	-31.26	840.89	7,609.14	7,538.28	70.86	107.384		
15,800.00	7,875.00	7,400.00	7,347.93	220.45	29.93	-69.72	-31.26	840.89	7,707.11	7,636.20	70.92	108.681		
15,900.00	7,875.00	7,400.00	7,347.93	223.11	29.93	-69.72	-31.26	840.89	7,805.14	7,734.17	70.97	109.976		
16,000.00	7,875.00	7,400.00	7,347.93	225.77	29.93	-69.72	-31.26	840.89	7,903.22	7,832.19	71.03	111.269		
16,100.00	7,875.00	7,400.00	7,347.93	228.44	29.93	-69.72	-31.26	840.89	8,001.34	7,930.25	71.09	112.560		
16,200.00	7,875.00	7,400.00	7,347.93	231.10	29.93	-69.72	-31.26	840.89	8,099.51	8,028.37	71.14	113.849		
16,300.00	7,875.00	7,400.00	7,347.93	233.76	29.93	-69.72	-31.26	840.89	8,197.72	8,126.52	71.20	115.136		
16,400.00	7,875.00	7,400.00	7,347.93	236.43	29.93	-69.72	-31.26	840.89	8,295.98	8,224.72	71.26	116.421		
16,500.00	7,875.00	7,400.00	7,347.93	239.09	29.93	-69.72	-31.26	840.89	8,394.28	8,322.96	71.32	117.704		
16,600.00	7,875.00	7,400.00	7,347.93	241.76	29.93	-69.72	-31.26	840.89	8,492.61	8,421.24	71.38	118.985		
16,700.00	7,875.00	7,400.00	7,347.93	244.43	29.93	-69.72	-31.26	840.89	8,590.99	8,519.55	71.44	120.263		
16,800.00	7,875.00	7,400.00	7,347.93	247.10	29.93	-69.72	-31.26	840.89	8,689.40	8,617.91	71.49	121.539		
16,900.00	7,875.00	7,400.00	7,347.93	249.76	29.93	-69.72	-31.26	840.89	8,787.85	8,716.30	71.55	122.813		
17,000.00	7,875.00	7,400.00	7,347.93	252.43	29.93	-69.72	-31.26	840.89	8,886.34	8,814.72	71.62	124.084		
17,100.00	7,875.00	7,400.00	7,347.93	255.10	29.93	-69.72	-31.26	840.89	8,984.85	8,913.18	71.68	125.353		
17,200.00	7,875.00	7,400.00	7,347.93	257.77	29.93	-69.72	-31.26	840.89	9,083.40	9,011.66	71.74	126.620		
17,300.00	7,875.00	7,400.00	7,347.93	260.44	29.93	-69.72	-31.26	840.89	9,181.98	9,110.18	71.80	127.884		
17,400.00	7,875.00	7,400.00	7,347.93	263.11	29.93	-69.72	-31.26	840.89	9,280.59	9,208.73	71.86	129.146		
17,500.00	7,875.00	7,400.00	7,347.93	265.79	29.93	-69.72	-31.26	840.89	9,379.23	9,307.31	71.92	130.405		
17,600.00	7,875.00	7,400.00	7,347.93	268.46	29.93	-69.72	-31.26	840.89	9,477.90	9,405.92	71.99	131.662		
17,700.00	7,875.00	7,400.00	7,347.93	271.13	29.93	-69.72	-31.26	840.89	9,576.60	9,504.55	72.05	132.916		
17,800.00	7,875.00	7,400.00	7,347.93	273.80	29.93	-69.72	-31.26	840.89	9,675.32	9,603.21	72.11	134.167		
17,900.00	7,875.00	7,400.00	7,347.93	276.48	29.93	-69.72	-31.26	840.89	9,774.07	9,701.89	72.18	135.416		
18,000.00	7,875.00	7,400.00	7,347.93	279.15	29.93	-69.72	-31.26	840.89	9,872.85	9,800.60	72.24	136.662		
18,100.00	7,875.00	7,400.00	7,347.93	281.82	29.93	-69.72	-31.26	840.89	9,971.65	9,899.34	72.31	137.905		

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3AH
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 3AH	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	24.77	0.00	24.77					
100.00	100.00	100.00	100.00	0.13	0.13	0.00	24.77	0.00	24.77	24.50	0.27	92.133		
200.00	200.00	200.00	200.00	0.49	0.49	0.00	24.77	0.00	24.77	23.78	0.99	25.127		
250.00	250.00	250.00	250.00	0.67	0.67	0.00	24.77	0.00	24.77	23.43	1.34	18.427 CC		
300.00	300.00	300.27	300.27	0.84	0.85	-164.59	24.49	0.34	24.92	23.23	1.69	14.752 ES		
400.00	399.93	400.77	400.70	1.19	1.19	-160.55	22.29	3.10	26.18	23.81	2.37	11.031		
500.00	499.68	501.17	500.85	1.54	1.55	-153.61	17.90	8.59	29.04	25.96	3.08	9.416		
600.00	599.13	601.38	600.50	1.92	1.93	-145.58	11.33	16.81	33.94	30.11	3.83	8.872 SF		
700.00	698.15	701.33	699.47	2.31	2.33	-138.03	2.61	27.70	41.19	36.58	4.61	8.935		
800.00	796.63	800.78	797.71	2.74	2.75	-133.85	-7.03	39.76	51.10	45.67	5.43	9.410		
833.76	829.73	834.31	830.83	2.89	2.89	-133.37	-10.29	43.82	55.03	49.32	5.72	9.629		
900.00	894.60	900.06	895.79	3.20	3.17	-132.95	-16.66	51.80	63.01	56.74	6.27	10.047		
1,000.00	992.53	1,000.67	993.86	3.67	3.61	-132.49	-26.29	63.83	75.06	67.93	7.13	10.529		
1,100.00	1,090.46	1,101.40	1,091.92	4.14	4.04	-132.16	-35.92	75.86	87.11	79.11	8.00	10.894		
1,200.00	1,188.39	1,202.12	1,189.99	4.62	4.49	-131.90	-45.54	87.90	99.16	90.29	8.87	11.179		
1,300.00	1,286.32	1,297.15	1,288.06	5.11	4.90	-131.71	-55.17	99.93	111.21	101.49	9.72	11.437		
1,400.00	1,384.25	1,403.58	1,386.12	5.60	5.37	-131.55	-64.80	111.97	123.27	112.64	10.63	11.594		
1,500.00	1,482.18	1,504.31	1,484.19	6.09	5.82	-131.42	-74.42	124.00	135.32	123.81	11.52	11.749		
1,600.00	1,580.12	1,605.04	1,582.26	6.58	6.26	-131.31	-84.05	136.04	147.38	134.97	12.41	11.879		
1,700.00	1,678.05	1,705.77	1,680.32	7.07	6.71	-131.21	-93.68	148.07	159.44	146.14	13.30	11.990		
1,800.00	1,775.98	1,806.50	1,778.39	7.57	7.16	-131.13	-103.30	160.11	171.50	157.31	14.19	12.086		
1,900.00	1,873.91	1,907.23	1,876.46	8.06	7.61	-131.07	-112.93	172.14	183.55	168.47	15.08	12.170		
2,000.00	1,971.84	1,992.04	1,974.52	8.55	7.98	-131.00	-122.56	184.18	195.61	179.71	15.91	12.298		
2,100.00	2,069.77	2,108.69	2,072.59	9.05	8.50	-130.95	-132.18	196.21	207.67	190.80	16.87	12.309		
2,200.00	2,167.70	2,209.42	2,170.66	9.55	8.95	-130.90	-141.81	208.25	219.73	201.96	17.77	12.367		
2,300.00	2,265.63	2,289.85	2,268.72	10.04	9.31	-130.86	-151.44	220.28	231.79	213.21	18.57	12.480		
2,400.00	2,363.56	2,389.12	2,366.79	10.54	9.75	-130.82	-161.06	232.32	243.84	224.38	19.46	12.528		
2,500.00	2,461.49	2,488.39	2,464.86	11.04	10.20	-130.79	-170.69	244.35	255.90	235.55	20.35	12.572		
2,600.00	2,559.43	2,587.66	2,562.92	11.54	10.64	-130.75	-180.32	256.39	267.96	246.72	21.25	12.612		
2,700.00	2,657.36	2,686.93	2,660.99	12.03	11.08	-130.73	-189.95	268.42	280.02	257.88	22.14	12.649		
2,800.00	2,755.29	2,786.20	2,759.06	12.53	11.52	-130.70	-199.57	280.46	292.08	269.05	23.03	12.683		
2,900.00	2,853.22	2,885.47	2,857.12	13.03	11.97	-130.67	-209.20	292.49	304.14	280.22	23.92	12.714		
3,000.00	2,951.15	2,984.74	2,955.19	13.53	12.41	-130.65	-218.83	304.52	316.20	291.38	24.81	12.742		
3,100.00	3,049.08	3,084.01	3,053.26	14.03	12.85	-130.63	-228.45	316.56	328.26	302.55	25.71	12.769		
3,200.00	3,147.01	3,183.28	3,151.32	14.52	13.30	-130.61	-238.08	328.59	340.31	313.71	26.60	12.794		
3,300.00	3,244.94	3,282.55	3,249.39	15.02	13.74	-130.59	-247.71	340.63	352.37	324.88	27.49	12.817		
3,400.00	3,342.87	3,381.82	3,347.46	15.52	14.19	-130.58	-257.33	352.66	364.43	336.05	28.39	12.838		
3,500.00	3,440.80	3,481.09	3,445.52	16.02	14.63	-130.56	-266.96	364.70	376.49	347.21	29.28	12.858		
3,600.00	3,538.74	3,580.36	3,543.59	16.52	15.07	-130.55	-276.59	376.73	388.55	358.38	30.17	12.877		
3,700.00	3,636.67	3,679.63	3,641.66	17.02	15.52	-130.53	-286.21	388.77	400.61	369.54	31.07	12.895		
3,800.00	3,734.60	3,778.90	3,739.72	17.52	15.96	-130.52	-295.84	400.80	412.67	380.71	31.96	12.911		
3,900.00	3,832.53	3,878.17	3,837.79	18.02	16.40	-130.51	-305.47	412.84	424.73	391.87	32.86	12.927		
4,000.00	3,930.46	3,977.44	3,935.86	18.52	16.85	-130.49	-315.09	424.87	436.79	403.04	33.75	12.942		
4,100.00	4,028.39	4,076.71	4,033.92	19.02	17.29	-130.48	-324.72	436.91	448.85	414.20	34.64	12.956		
4,200.00	4,126.32	4,175.98	4,131.99	19.52	17.74	-130.47	-334.35	448.94	460.91	425.37	35.54	12.969		
4,300.00	4,224.25	4,275.25	4,230.06	20.01	18.18	-130.46	-343.97	460.98	472.96	436.53	36.43	12.982		
4,400.00	4,322.18	4,374.52	4,328.12	20.51	18.62	-130.45	-353.60	473.01	485.02	447.70	37.33	12.994		
4,500.00	4,420.11	4,473.79	4,426.19	21.01	19.07	-130.44	-363.23	485.05	497.08	458.86	38.22	13.005		
4,600.00	4,518.05	4,573.06	4,524.26	21.51	19.51	-130.44	-372.86	497.08	509.14	470.03	39.12	13.016		
4,700.00	4,615.98	4,672.33	4,622.32	22.01	19.96	-130.43	-382.48	509.12	521.20	481.19	40.01	13.026		
4,800.00	4,713.91	4,771.60	4,720.39	22.51	20.40	-130.42	-392.11	521.15	533.26	492.35	40.91	13.036		
4,900.00	4,811.84	4,870.87	4,818.45	23.01	20.84	-130.41	-401.74	533.18	545.32	503.52	41.80	13.045		

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 3AH
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 3AH	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	4,909.77	4,970.14	4,916.52	23.51	21.29	-130.40	-411.36	545.22	557.38	514.68	42.70	13.054		
5,100.00	5,007.70	5,069.41	5,014.59	24.01	21.73	-130.40	-420.99	557.25	569.44	525.85	43.59	13.063		
5,200.00	5,105.63	5,168.68	5,112.65	24.51	22.18	-130.39	-430.62	569.29	581.50	537.01	44.49	13.071		
5,300.00	5,203.56	5,267.95	5,210.72	25.01	22.62	-130.38	-440.24	581.32	593.56	548.18	45.38	13.079		
5,400.00	5,301.49	5,367.22	5,308.79	25.51	23.07	-130.38	-449.87	593.36	605.62	559.34	46.28	13.087		
5,500.00	5,399.43	5,466.49	5,406.85	26.01	23.51	-130.37	-459.50	605.39	617.68	570.50	47.17	13.094		
5,600.00	5,497.36	5,565.76	5,504.92	26.51	23.95	-130.37	-469.12	617.43	629.74	581.67	48.07	13.101		
5,700.00	5,595.29	5,665.03	5,602.99	27.01	24.40	-130.36	-478.75	629.46	641.80	592.83	48.96	13.108		
5,800.00	5,693.22	5,764.30	5,701.05	27.51	24.84	-130.36	-488.38	641.50	653.85	604.00	49.86	13.114		
5,900.00	5,791.15	5,863.57	5,799.12	28.01	25.29	-130.35	-498.00	653.53	665.91	615.16	50.75	13.120		
6,000.00	5,889.08	5,962.84	5,897.19	28.51	25.73	-130.35	-507.63	665.57	677.97	626.32	51.65	13.127		
6,100.00	5,987.01	6,062.11	5,995.25	29.01	26.17	-130.34	-517.26	677.60	690.03	637.49	52.54	13.132		
6,200.00	6,084.94	6,161.38	6,093.32	29.51	26.62	-130.34	-526.88	689.64	702.09	648.65	53.44	13.138		
6,300.00	6,182.87	6,260.65	6,191.39	30.01	27.06	-130.33	-536.51	701.67	714.15	659.82	54.34	13.143		
6,400.00	6,280.80	6,359.92	6,289.45	30.51	27.51	-130.33	-546.14	713.71	726.21	670.98	55.23	13.149		
6,500.00	6,378.74	6,459.19	6,387.52	31.01	27.95	-130.32	-555.77	725.74	738.27	682.14	56.13	13.154		
6,600.00	6,476.67	6,558.46	6,485.59	31.51	28.40	-130.32	-565.39	737.78	750.33	693.31	57.02	13.158		
6,700.00	6,574.60	6,657.73	6,583.65	32.01	28.84	-130.32	-575.02	749.81	762.39	704.47	57.92	13.163		
6,800.00	6,672.53	6,757.01	6,681.72	32.51	29.29	-130.31	-584.65	761.84	774.45	715.63	58.81	13.168		
6,900.00	6,770.46	6,856.28	6,779.79	33.01	29.73	-130.31	-594.27	773.88	786.51	726.80	59.71	13.172		
7,000.00	6,868.39	6,955.55	6,877.85	33.51	30.17	-130.31	-603.90	785.91	798.57	737.96	60.61	13.177		
7,100.00	6,966.32	7,054.82	6,975.92	34.01	30.62	-130.30	-613.53	797.95	810.63	749.13	61.50	13.181		
7,200.00	7,064.25	7,154.09	7,073.99	34.51	31.06	-130.30	-623.15	809.98	822.69	760.29	62.40	13.185		
7,300.00	7,162.18	7,253.36	7,172.05	35.01	31.51	-130.30	-632.78	822.02	834.75	771.45	63.29	13.189		
7,400.00	7,260.11	7,352.63	7,270.12	35.51	31.95	-130.29	-642.41	834.05	846.81	782.62	64.19	13.192		
7,485.17	7,343.52	7,485.17	7,545.70	35.94	32.58	-133.03	-669.75	818.09	850.87	786.76	64.10	13.273		
7,500.00	7,358.03	7,749.75	7,653.12	36.01	32.93	-129.97	-680.62	773.35	848.25	785.58	62.68	13.534		
7,550.00	7,406.68	7,550.00	7,763.50	36.27	33.00	-119.49	-691.99	693.81	833.34	772.69	60.64	13.742		
7,600.00	7,454.62	8,009.16	7,844.49	36.54	32.91	-117.17	-700.53	602.66	815.34	756.29	59.04	13.809		
7,650.00	7,501.47	8,048.98	7,866.31	36.81	32.90	-114.27	-702.87	569.44	797.80	738.46	59.33	13.446		
7,700.00	7,546.90	8,065.92	7,874.89	37.08	32.89	-112.05	-703.81	554.86	782.18	722.17	60.02	13.033		
7,750.00	7,590.54	8,070.07	7,876.93	37.36	32.89	-110.10	-704.03	551.25	769.16	708.39	60.78	12.656		
7,800.00	7,632.07	8,066.47	7,875.16	37.65	32.89	-108.23	-703.84	554.39	759.07	697.61	61.46	12.350		
7,850.00	7,671.18	8,057.85	7,870.86	37.94	32.89	-106.30	-703.37	561.84	752.04	690.04	62.00	12.130		
7,900.00	7,707.56	8,045.81	7,864.66	38.23	32.90	-104.28	-702.70	572.14	748.10	685.75	62.35	11.998		
7,940.76	7,735.00	8,034.16	7,858.46	38.48	32.90	-102.53	-702.03	581.98	747.13	684.62	62.51	11.953		
7,950.00	7,740.93	8,031.34	7,856.93	38.53	32.90	-102.12	-701.86	584.34	747.18	684.66	62.52	11.951		
8,000.00	7,771.06	8,015.09	7,847.89	38.84	32.91	-99.81	-700.89	597.80	749.10	686.60	62.50	11.985		
8,050.00	7,797.69	7,997.50	7,837.67	39.16	32.92	-97.37	-699.80	612.08	753.67	691.35	62.33	12.092		
8,100.00	7,820.64	7,978.88	7,826.39	39.50	32.92	-94.82	-698.60	626.84	760.62	698.58	62.04	12.260		
8,150.00	7,839.72	7,959.45	7,814.11	39.85	32.93	-92.17	-697.30	641.85	769.64	707.98	61.66	12.481		
8,200.00	7,854.80	7,939.37	7,800.89	40.22	32.94	-89.46	-695.90	656.91	780.43	719.18	61.25	12.743		
8,250.00	7,865.75	7,918.76	7,786.80	40.60	32.94	-86.74	-694.42	671.86	792.65	731.83	60.82	13.033		
8,300.00	7,872.50	7,900.00	7,773.51	41.01	32.95	-84.17	-693.03	685.03	806.01	745.59	60.42	13.340		
8,354.11	7,875.00	7,874.56	7,754.81	41.47	32.95	-81.20	-691.09	702.17	821.35	761.33	60.02	13.684		
8,400.00	7,875.00	7,850.00	7,736.06	41.89	32.95	-79.89	-689.14	717.91	835.51	775.83	59.69	13.998		
8,500.00	7,875.00	7,818.85	7,711.35	42.90	32.95	-78.17	-686.59	736.68	871.85	812.69	59.16	14.737		
8,600.00	7,875.00	7,787.76	7,685.70	44.06	32.94	-76.43	-683.96	754.05	915.57	856.84	58.74	15.588		
8,700.00	7,875.00	7,761.22	7,663.08	45.36	32.93	-74.93	-681.64	767.75	966.10	907.63	58.47	16.524		
8,800.00	7,875.00	7,738.38	7,643.14	46.80	32.92	-73.63	-679.61	778.69	1,022.72	964.38	58.35	17.528		
8,900.00	7,875.00	7,718.59	7,625.51	48.37	32.90	-72.49	-677.81	787.52	1,084.72	1,026.37	58.36	18.588		
9,000.00	7,875.00	7,700.00	7,608.70	50.05	32.89	-71.43	-676.11	795.24	1,151.39	1,092.95	58.44	19.701		

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 3AH
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 3AH	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	7,875.00	7,686.11	7,595.97	51.83	32.87	-70.64	-674.82	800.66	1,222.07	1,163.44	58.63	20.842		
9,200.00	7,875.00	7,672.66	7,583.53	53.70	32.86	-69.88	-673.56	805.60	1,296.20	1,237.35	58.85	22.024		
9,300.00	7,875.00	7,650.00	7,562.31	55.65	32.83	-68.60	-671.42	813.26	1,373.41	1,314.46	58.95	23.299		
9,400.00	7,875.00	7,650.00	7,562.31	57.66	32.83	-68.60	-671.42	813.26	1,452.91	1,393.55	59.36	24.476		
9,500.00	7,875.00	7,650.00	7,562.31	59.74	32.83	-68.60	-671.42	813.26	1,534.80	1,475.05	59.75	25.688		
9,600.00	7,875.00	7,631.61	7,544.89	61.88	32.80	-67.56	-669.66	818.86	1,618.37	1,558.48	59.88	27.026		
9,700.00	7,875.00	7,623.70	7,537.33	64.06	32.79	-67.12	-668.90	821.09	1,703.66	1,643.52	60.14	28.329		
9,800.00	7,875.00	7,600.00	7,514.54	66.28	32.75	-65.82	-666.61	827.15	1,790.64	1,730.45	60.20	29.747		
9,900.00	7,875.00	7,600.00	7,514.54	68.54	32.75	-65.82	-666.61	827.15	1,878.38	1,817.87	60.51	31.042		
10,000.00	7,875.00	7,600.00	7,514.54	70.84	32.75	-65.82	-666.61	827.15	1,967.29	1,906.48	60.80	32.355		
10,100.00	7,875.00	7,600.00	7,514.54	73.16	32.75	-65.82	-666.61	827.15	2,057.21	1,996.14	61.07	33.685		
10,200.00	7,875.00	7,600.00	7,514.54	75.51	32.75	-65.82	-666.61	827.15	2,148.03	2,086.71	61.32	35.029		
10,300.00	7,875.00	7,600.00	7,514.54	77.89	32.75	-65.82	-666.61	827.15	2,239.63	2,178.08	61.55	36.386		
10,400.00	7,875.00	7,600.00	7,514.54	80.29	32.75	-65.82	-666.61	827.15	2,331.92	2,270.15	61.77	37.753		
10,500.00	7,875.00	7,579.66	7,494.79	82.70	32.71	-64.71	-664.63	831.60	2,424.40	2,362.60	61.80	39.230		
10,600.00	7,875.00	7,575.79	7,491.01	85.14	32.70	-64.50	-664.26	832.36	2,517.67	2,455.70	61.96	40.632		
10,700.00	7,875.00	7,572.17	7,487.48	87.59	32.70	-64.31	-663.90	833.05	2,611.41	2,549.29	62.12	42.039		
10,800.00	7,875.00	7,550.00	7,465.74	90.06	32.65	-63.13	-661.73	836.81	2,705.93	2,643.81	62.12	43.557		
10,900.00	7,875.00	7,550.00	7,465.74	92.53	32.65	-63.13	-661.73	836.81	2,800.37	2,738.07	62.29	44.954		
11,000.00	7,875.00	7,550.00	7,465.74	95.03	32.65	-63.13	-661.73	836.81	2,895.18	2,832.72	62.45	46.357		
11,100.00	7,875.00	7,550.00	7,465.74	97.53	32.65	-63.13	-661.73	836.81	2,990.32	2,927.72	62.61	47.765		
11,200.00	7,875.00	7,550.00	7,465.74	100.04	32.65	-63.13	-661.73	836.81	3,085.78	3,023.03	62.75	49.176		
11,300.00	7,875.00	7,550.00	7,465.74	102.57	32.65	-63.13	-661.73	836.81	3,181.51	3,118.63	62.89	50.592		
11,400.00	7,875.00	7,550.00	7,465.74	105.10	32.65	-63.13	-661.73	836.81	3,277.50	3,214.48	63.02	52.010		
11,500.00	7,875.00	7,550.00	7,465.74	107.64	32.65	-63.13	-661.73	836.81	3,373.72	3,310.58	63.14	53.431		
11,600.00	7,875.00	7,550.00	7,465.74	110.19	32.65	-63.13	-661.73	836.81	3,470.16	3,406.89	63.26	54.854		
11,700.00	7,875.00	7,550.00	7,465.74	112.74	32.65	-63.13	-661.73	836.81	3,566.79	3,503.41	63.38	56.278		
11,800.00	7,875.00	7,550.00	7,465.74	115.31	32.65	-63.13	-661.73	836.81	3,663.60	3,600.11	63.49	57.704		
11,900.00	7,875.00	7,550.00	7,465.74	117.87	32.65	-63.13	-661.73	836.81	3,760.58	3,696.98	63.60	59.132		
12,000.00	7,875.00	7,550.00	7,465.74	120.45	32.65	-63.13	-661.73	836.81	3,857.71	3,794.01	63.70	60.560		
12,100.00	7,875.00	7,550.00	7,465.74	123.03	32.65	-63.13	-661.73	836.81	3,954.99	3,891.19	63.80	61.988		
12,200.00	7,875.00	7,550.00	7,465.74	125.61	32.65	-63.13	-661.73	836.81	4,052.40	3,988.50	63.90	63.417		
12,300.00	7,875.00	7,550.00	7,465.74	128.20	32.65	-63.13	-661.73	836.81	4,149.93	4,085.93	64.00	64.846		
12,400.00	7,875.00	7,550.00	7,465.74	130.79	32.65	-63.13	-661.73	836.81	4,247.58	4,183.49	64.09	66.275		
12,500.00	7,875.00	7,550.00	7,465.74	133.39	32.65	-63.13	-661.73	836.81	4,345.33	4,281.15	64.18	67.704		
12,600.00	7,875.00	7,550.00	7,465.74	135.99	32.65	-63.13	-661.73	836.81	4,443.19	4,378.91	64.27	69.132		
12,700.00	7,875.00	7,550.00	7,465.74	138.60	32.65	-63.13	-661.73	836.81	4,541.13	4,476.77	64.36	70.559		
12,800.00	7,875.00	7,528.28	7,444.31	141.21	32.60	-61.99	-659.60	839.66	4,638.71	4,574.37	64.34	72.098		
12,900.00	7,875.00	7,527.06	7,443.11	143.82	32.59	-61.93	-659.48	839.79	4,736.78	4,672.36	64.42	73.530		
13,000.00	7,875.00	7,525.88	7,441.94	146.43	32.59	-61.87	-659.36	839.92	4,834.92	4,770.42	64.50	74.961		
13,100.00	7,875.00	7,524.75	7,440.82	149.05	32.59	-61.81	-659.25	840.04	4,933.13	4,868.56	64.58	76.390		
13,200.00	7,875.00	7,523.66	7,439.75	151.67	32.59	-61.76	-659.14	840.16	5,031.42	4,966.76	64.66	77.818		
13,300.00	7,875.00	7,522.61	7,438.70	154.30	32.58	-61.70	-659.04	840.27	5,129.76	5,065.03	64.73	79.245		
13,400.00	7,875.00	7,500.00	7,416.28	156.92	32.53	-60.56	-656.81	842.15	5,228.62	5,163.90	64.71	80.799		
13,500.00	7,875.00	7,500.00	7,416.28	159.55	32.53	-60.56	-656.81	842.15	5,327.04	5,262.25	64.79	82.216		
13,600.00	7,875.00	7,500.00	7,416.28	162.18	32.53	-60.56	-656.81	842.15	5,425.52	5,360.65	64.87	83.632		
13,700.00	7,875.00	7,500.00	7,416.28	164.81	32.53	-60.56	-656.81	842.15	5,524.06	5,459.10	64.95	85.046		
13,800.00	7,875.00	7,500.00	7,416.28	167.45	32.53	-60.56	-656.81	842.15	5,622.65	5,557.61	65.03	86.458		
13,900.00	7,875.00	7,500.00	7,416.28	170.08	32.53	-60.56	-656.81	842.15	5,721.28	5,656.17	65.11	87.868		
14,000.00	7,875.00	7,500.00	7,416.28	172.72	32.53	-60.56	-656.81	842.15	5,819.97	5,754.78	65.19	89.276		
14,100.00	7,875.00	7,500.00	7,416.28	175.36	32.53	-60.56	-656.81	842.15	5,918.70	5,853.43	65.27	90.682		
14,200.00	7,875.00	7,500.00	7,416.28	178.00	32.53	-60.56	-656.81	842.15	6,017.47	5,952.12	65.35	92.086		

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 3AH
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 3AH	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	7,875.00	7,500.00	7,416.28	180.65	32.53	-60.56	-656.81	842.15	6,116.27	6,050.85	65.42	93.487	
14,400.00	7,875.00	7,500.00	7,416.28	183.29	32.53	-60.56	-656.81	842.15	6,215.12	6,149.62	65.50	94.886	
14,500.00	7,875.00	7,500.00	7,416.28	185.94	32.53	-60.56	-656.81	842.15	6,314.01	6,248.43	65.58	96.283	
14,600.00	7,875.00	7,500.00	7,416.28	188.59	32.53	-60.56	-656.81	842.15	6,412.93	6,347.27	65.65	97.678	
14,700.00	7,875.00	7,500.00	7,416.28	191.23	32.53	-60.56	-656.81	842.15	6,511.88	6,446.15	65.73	99.070	
14,800.00	7,875.00	7,500.00	7,416.28	193.89	32.53	-60.56	-656.81	842.15	6,610.86	6,545.05	65.81	100.459	
14,900.00	7,875.00	7,500.00	7,416.28	196.54	32.53	-60.56	-656.81	842.15	6,709.87	6,643.99	65.88	101.846	
15,000.00	7,875.00	7,500.00	7,416.28	199.19	32.53	-60.56	-656.81	842.15	6,808.92	6,742.96	65.96	103.230	
15,100.00	7,875.00	7,500.00	7,416.28	201.84	32.53	-60.56	-656.81	842.15	6,907.99	6,841.95	66.04	104.611	
15,200.00	7,875.00	7,500.00	7,416.28	204.50	32.53	-60.56	-656.81	842.15	7,007.08	6,940.97	66.11	105.990	
15,300.00	7,875.00	7,500.00	7,416.28	207.15	32.53	-60.56	-656.81	842.15	7,106.21	7,040.02	66.19	107.365	
15,400.00	7,875.00	7,500.00	7,416.28	209.81	32.53	-60.56	-656.81	842.15	7,205.35	7,139.09	66.26	108.738	
15,500.00	7,875.00	7,500.00	7,416.28	212.47	32.53	-60.56	-656.81	842.15	7,304.52	7,238.18	66.34	110.108	
15,600.00	7,875.00	7,500.00	7,416.28	215.13	32.53	-60.56	-656.81	842.15	7,403.71	7,337.30	66.42	111.475	
15,700.00	7,875.00	7,500.00	7,416.28	217.79	32.53	-60.56	-656.81	842.15	7,502.93	7,436.43	66.49	112.839	
15,800.00	7,875.00	7,500.00	7,416.28	220.45	32.53	-60.56	-656.81	842.15	7,602.16	7,535.59	66.57	114.200	
15,900.00	7,875.00	7,500.00	7,416.28	223.11	32.53	-60.56	-656.81	842.15	7,701.41	7,634.77	66.65	115.557	
16,000.00	7,875.00	7,500.00	7,416.28	225.77	32.53	-60.56	-656.81	842.15	7,800.69	7,733.96	66.72	116.912	
16,100.00	7,875.00	7,500.00	7,416.28	228.44	32.53	-60.56	-656.81	842.15	7,899.98	7,833.18	66.80	118.263	
16,200.00	7,875.00	7,500.00	7,416.28	231.10	32.53	-60.56	-656.81	842.15	7,999.28	7,932.41	66.88	119.612	
16,300.00	7,875.00	7,500.00	7,416.28	233.76	32.53	-60.56	-656.81	842.15	8,098.61	8,031.66	66.95	120.957	
16,400.00	7,875.00	7,500.00	7,416.28	236.43	32.53	-60.56	-656.81	842.15	8,197.95	8,130.92	67.03	122.299	
16,500.00	7,875.00	7,500.00	7,416.28	239.09	32.53	-60.56	-656.81	842.15	8,297.31	8,230.20	67.11	123.637	
16,600.00	7,875.00	7,500.00	7,416.28	241.76	32.53	-60.56	-656.81	842.15	8,396.68	8,329.50	67.19	124.972	
16,700.00	7,875.00	7,500.00	7,416.28	244.43	32.53	-60.56	-656.81	842.15	8,496.07	8,428.80	67.27	126.304	
16,800.00	7,875.00	7,500.00	7,416.28	247.10	32.53	-60.56	-656.81	842.15	8,595.47	8,528.13	67.35	127.632	
16,900.00	7,875.00	7,500.00	7,416.28	249.76	32.53	-60.56	-656.81	842.15	8,694.89	8,627.46	67.42	128.957	
17,000.00	7,875.00	7,500.00	7,416.28	252.43	32.53	-60.56	-656.81	842.15	8,794.32	8,726.81	67.50	130.279	
17,100.00	7,875.00	7,500.00	7,416.28	255.10	32.53	-60.56	-656.81	842.15	8,893.76	8,826.18	67.58	131.597	
17,200.00	7,875.00	7,500.00	7,416.28	257.77	32.53	-60.56	-656.81	842.15	8,993.21	8,925.55	67.66	132.911	
17,300.00	7,875.00	7,500.00	7,416.28	260.44	32.53	-60.56	-656.81	842.15	9,092.68	9,024.94	67.74	134.222	
17,400.00	7,875.00	7,500.00	7,416.28	263.11	32.53	-60.56	-656.81	842.15	9,192.16	9,124.33	67.82	135.530	
17,500.00	7,875.00	7,500.00	7,416.28	265.79	32.53	-60.56	-656.81	842.15	9,291.65	9,223.74	67.90	136.834	
17,600.00	7,875.00	7,500.00	7,416.28	268.46	32.53	-60.56	-656.81	842.15	9,391.15	9,323.16	67.99	138.134	
17,700.00	7,875.00	7,500.00	7,416.28	271.13	32.53	-60.56	-656.81	842.15	9,490.66	9,422.59	68.07	139.431	
17,800.00	7,875.00	7,500.00	7,416.28	273.80	32.53	-60.56	-656.81	842.15	9,590.18	9,522.03	68.15	140.724	
17,900.00	7,875.00	7,500.00	7,416.28	276.48	32.53	-60.56	-656.81	842.15	9,689.71	9,621.48	68.23	142.013	
18,000.00	7,875.00	7,500.00	7,416.28	279.15	32.53	-60.56	-656.81	842.15	9,789.25	9,720.93	68.31	143.299	
18,100.00	7,875.00	7,500.00	7,416.28	281.82	32.53	-60.56	-656.81	842.15	9,888.80	9,820.40	68.40	144.581	
18,200.00	7,875.00	7,500.00	7,416.28	284.50	32.53	-60.56	-656.81	842.15	9,988.35	9,919.88	68.48	145.859	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3AH
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 3AH	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	180.00	-25.13	0.00	25.13					
100.00	100.00	100.00	100.00	0.13	0.13	180.00	-25.13	0.00	25.13	24.87	0.27	93.487		
200.00	200.00	200.00	200.00	0.49	0.49	180.00	-25.13	0.00	25.13	24.15	0.99	25.497		
250.00	250.00	250.00	250.00	0.67	0.67	180.00	-25.13	0.00	25.13	23.79	1.34	18.698		
300.00	300.00	299.61	299.60	0.84	0.84	14.72	-25.52	0.18	25.11	23.42	1.69	14.891		
400.00	399.93	398.81	398.75	1.19	1.18	13.43	-28.64	1.63	24.88	22.52	2.36	10.536		
500.00	499.68	498.01	497.70	1.54	1.53	10.80	-34.87	4.52	24.47	21.42	3.06	8.007		
600.00	599.13	597.20	596.35	1.92	1.91	6.71	-44.20	8.85	23.96	20.20	3.76	6.374		
700.00	698.15	696.38	694.57	2.31	2.30	1.02	-56.62	14.61	23.48	19.01	4.46	5.258		
800.00	796.63	795.53	792.24	2.74	2.73	-6.32	-72.11	21.80	23.22	18.04	5.18	4.484		
815.54	811.87	810.94	807.36	2.81	2.80	-7.60	-74.79	23.04	23.21	17.92	5.29	4.388 CC		
833.76	829.73	829.00	825.07	2.89	2.88	-9.14	-78.03	24.54	23.22	17.80	5.42	4.282 ES		
900.00	894.60	894.66	889.23	3.20	3.18	-14.66	-90.65	30.40	24.15	18.24	5.91	4.086 SF		
1,000.00	992.53	993.61	985.29	3.67	3.68	-20.90	-112.19	40.39	28.76	22.09	6.68	4.307		
1,100.00	1,090.46	1,092.25	1,080.17	4.14	4.21	-23.95	-136.63	51.74	36.94	29.48	7.46	4.953		
1,200.00	1,188.39	1,208.22	1,175.50	4.62	4.86	-25.41	-162.58	63.78	46.60	38.26	8.34	5.585		
1,300.00	1,286.32	1,291.30	1,270.82	5.11	5.34	-26.36	-188.53	75.82	56.29	47.18	9.10	6.182		
1,400.00	1,384.25	1,409.17	1,366.15	5.60	6.03	-27.04	-214.48	87.86	65.98	55.97	10.02	6.588		
1,500.00	1,482.18	1,509.65	1,461.48	6.09	6.62	-27.54	-240.43	99.90	75.68	64.83	10.86	6.970		
1,600.00	1,580.12	1,589.88	1,556.80	6.58	7.10	-27.93	-266.38	111.94	85.39	73.77	11.62	7.350		
1,700.00	1,678.05	1,689.41	1,652.13	7.07	7.70	-28.24	-292.33	123.98	95.10	82.64	12.46	7.631		
1,800.00	1,775.98	1,788.93	1,747.45	7.57	8.29	-28.49	-318.28	136.02	104.81	91.50	13.31	7.875		
1,900.00	1,873.91	1,888.46	1,842.78	8.06	8.89	-28.70	-344.23	148.06	114.52	100.36	14.16	8.089		
2,000.00	1,971.84	1,987.99	1,938.11	8.55	9.49	-28.87	-370.18	160.10	124.24	109.23	15.01	8.277		
2,100.00	2,069.77	2,087.51	2,033.43	9.05	10.10	-29.02	-396.13	172.15	133.95	118.09	15.86	8.445		
2,200.00	2,167.70	2,187.04	2,128.76	9.55	10.70	-29.15	-422.08	184.19	143.67	126.95	16.71	8.596		
2,300.00	2,265.63	2,286.57	2,224.09	10.04	11.30	-29.27	-448.03	196.23	153.39	135.82	17.57	8.731		
2,400.00	2,363.56	2,386.09	2,319.41	10.54	11.91	-29.37	-473.98	208.27	163.10	144.68	18.42	8.853		
2,500.00	2,461.49	2,485.62	2,414.74	11.04	12.52	-29.46	-499.93	220.31	172.82	153.54	19.28	8.964		
2,600.00	2,559.43	2,585.14	2,510.07	11.54	13.12	-29.54	-525.88	232.35	182.54	162.40	20.14	9.065		
2,700.00	2,657.36	2,684.67	2,605.39	12.03	13.73	-29.61	-551.83	244.39	192.26	171.26	20.99	9.158		
2,800.00	2,755.29	2,784.20	2,700.72	12.53	14.34	-29.67	-577.77	256.43	201.98	180.13	21.85	9.244		
2,900.00	2,853.22	2,883.72	2,796.05	13.03	14.94	-29.73	-603.72	268.47	211.69	188.99	22.71	9.322		
3,000.00	2,951.15	2,983.25	2,891.37	13.53	15.55	-29.78	-629.67	280.52	221.41	197.85	23.57	9.395		
3,100.00	3,049.08	3,082.78	2,986.70	14.03	16.16	-29.83	-655.62	292.56	231.13	206.71	24.42	9.463		
3,200.00	3,147.01	3,182.30	3,082.02	14.52	16.77	-29.88	-681.57	304.60	240.85	215.57	25.28	9.526		
3,300.00	3,244.94	3,281.83	3,177.35	15.02	17.38	-29.92	-707.52	316.64	250.57	224.43	26.14	9.585		
3,400.00	3,342.87	3,381.36	3,272.68	15.52	17.99	-29.96	-733.47	328.68	260.29	233.29	27.00	9.639		
3,500.00	3,440.80	3,480.88	3,368.00	16.02	18.60	-29.99	-759.42	340.72	270.01	242.15	27.86	9.691		
3,600.00	3,538.74	3,580.41	3,463.33	16.52	19.21	-30.03	-785.37	352.76	279.73	251.01	28.72	9.739		
3,700.00	3,636.67	3,679.93	3,558.66	17.02	19.82	-30.06	-811.32	364.80	289.45	259.87	29.58	9.784		
3,800.00	3,734.60	3,779.46	3,653.98	17.52	20.43	-30.09	-837.27	376.84	299.17	268.73	30.44	9.827		
3,900.00	3,832.53	3,878.99	3,749.31	18.02	21.04	-30.11	-863.22	388.88	308.89	277.59	31.30	9.868		
4,000.00	3,930.46	3,978.51	3,844.64	18.52	21.65	-30.14	-889.17	400.93	318.61	286.45	32.16	9.906		
4,100.00	4,028.39	4,078.04	3,939.96	19.02	22.26	-30.16	-915.12	412.97	328.33	295.31	33.03	9.942		
4,200.00	4,126.32	4,177.57	4,035.29	19.52	22.87	-30.19	-941.07	425.01	338.05	304.17	33.89	9.976		
4,300.00	4,224.25	4,277.09	4,130.62	20.01	23.48	-30.21	-967.02	437.05	347.77	313.03	34.75	10.009		
4,400.00	4,322.18	4,376.62	4,225.94	20.51	24.09	-30.23	-992.97	449.09	357.49	321.88	35.61	10.039		
4,500.00	4,420.11	4,476.15	4,321.27	21.01	24.70	-30.25	-1,018.92	461.13	367.21	330.74	36.47	10.069		
4,600.00	4,518.05	4,575.67	4,416.59	21.51	25.31	-30.26	-1,044.87	473.17	376.93	339.60	37.33	10.097		
4,700.00	4,615.98	4,675.20	4,511.92	22.01	25.92	-30.28	-1,070.82	485.21	386.65	348.46	38.19	10.124		
4,800.00	4,713.91	4,774.72	4,607.25	22.51	26.53	-30.30	-1,096.77	497.25	396.38	357.32	39.05	10.149		

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 3AH
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 3AH	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		
4,900.00	4,811.84	4,874.25	4,702.57	23.01	27.14	-30.31	-1,122.72	509.29	406.10	366.18	39.92	10.174		
5,000.00	4,909.77	4,973.78	4,797.90	23.51	27.76	-30.33	-1,148.67	521.34	415.82	375.04	40.78	10.197		
5,100.00	5,007.70	5,073.30	4,893.23	24.01	28.37	-30.34	-1,174.62	533.38	425.54	383.90	41.64	10.219		
5,200.00	5,105.63	5,172.83	4,988.55	24.51	28.98	-30.36	-1,200.57	545.42	435.26	392.76	42.50	10.241		
5,300.00	5,203.56	5,272.36	5,083.88	25.01	29.59	-30.37	-1,226.52	557.46	444.98	401.61	43.36	10.261		
5,400.00	5,301.49	5,371.88	5,179.21	25.51	30.20	-30.38	-1,252.47	569.50	454.70	410.47	44.23	10.281		
5,500.00	5,399.43	5,471.41	5,274.53	26.01	30.81	-30.39	-1,278.42	581.54	464.42	419.33	45.09	10.300		
5,600.00	5,497.36	5,570.94	5,369.86	26.51	31.42	-30.41	-1,304.37	593.58	474.14	428.19	45.95	10.319		
5,700.00	5,595.29	5,670.46	5,465.18	27.01	32.03	-30.42	-1,330.32	605.62	483.86	437.05	46.81	10.336		
5,800.00	5,693.22	5,769.99	5,560.51	27.51	32.65	-30.43	-1,356.27	617.66	493.58	445.91	47.67	10.353		
5,900.00	5,791.15	5,869.51	5,655.84	28.01	33.26	-30.44	-1,382.22	629.71	503.30	454.77	48.54	10.369		
6,000.00	5,889.08	5,969.04	5,751.16	28.51	33.87	-30.45	-1,408.17	641.75	513.02	463.62	49.40	10.385		
6,100.00	5,987.01	6,068.57	5,846.49	29.01	34.48	-30.46	-1,434.12	653.79	522.74	472.48	50.26	10.400		
6,200.00	6,084.94	6,168.09	5,941.82	29.51	35.09	-30.46	-1,460.07	665.83	532.47	481.34	51.12	10.415		
6,300.00	6,182.87	6,267.62	6,037.14	30.01	35.70	-30.47	-1,486.02	677.87	542.19	490.20	51.99	10.429		
6,400.00	6,280.80	6,367.15	6,132.47	30.51	36.32	-30.48	-1,511.96	689.91	551.91	499.06	52.85	10.443		
6,500.00	6,378.74	6,466.67	6,227.80	31.01	36.93	-30.49	-1,537.91	701.95	561.63	507.92	53.71	10.456		
6,600.00	6,476.67	6,566.20	6,323.12	31.51	37.54	-30.50	-1,563.86	713.99	571.35	516.77	54.58	10.469		
6,700.00	6,574.60	6,665.73	6,418.45	32.01	38.15	-30.51	-1,589.81	726.03	581.07	525.63	55.44	10.481		
6,800.00	6,672.53	6,765.25	6,513.78	32.51	38.76	-30.51	-1,615.76	738.07	590.79	534.49	56.30	10.494		
6,900.00	6,770.46	6,864.78	6,609.10	33.01	39.37	-30.52	-1,641.71	750.12	600.51	543.35	57.16	10.505		
7,000.00	6,868.39	6,964.30	6,704.43	33.51	39.99	-30.53	-1,667.66	762.16	610.23	552.21	58.03	10.517		
7,100.00	6,966.32	7,063.83	6,799.75	34.01	40.60	-30.53	-1,693.61	774.20	619.95	561.07	58.89	10.528		
7,200.00	7,064.25	7,163.36	6,895.08	34.51	41.21	-30.54	-1,719.56	786.24	629.67	569.92	59.75	10.538		
7,300.00	7,162.18	7,262.88	6,990.41	35.01	41.82	-30.55	-1,745.51	798.28	639.40	578.78	60.61	10.549		
7,400.00	7,260.11	7,362.41	7,085.73	35.51	42.43	-30.55	-1,771.46	810.32	649.12	587.64	61.48	10.559		
7,485.17	7,343.52	7,447.17	7,166.92	35.94	42.95	-30.56	-1,793.56	820.58	657.40	595.18	62.21	10.567		
7,500.00	7,358.03	7,461.95	7,181.07	36.01	43.04	-23.97	-1,797.41	822.36	658.70	596.36	62.34	10.567		
7,550.00	7,406.68	7,511.82	7,228.84	36.27	43.35	-5.90	-1,810.42	828.40	661.08	598.38	62.69	10.545		
7,600.00	7,454.62	7,561.50	7,276.43	36.54	43.66	6.37	-1,823.37	834.41	660.35	597.40	62.95	10.490		
7,650.00	7,501.47	7,610.62	7,323.47	36.81	43.96	14.99	-1,836.18	840.35	656.61	593.50	63.11	10.405		
7,700.00	7,546.90	7,785.81	7,491.82	37.08	44.85	26.35	-1,882.03	837.01	645.94	583.06	62.88	10.273		
7,750.00	7,590.54	7,750.00	7,586.70	37.36	44.80	37.57	-1,907.91	810.35	625.54	564.52	61.02	10.252		
7,800.00	7,632.07	7,992.16	7,677.70	37.65	45.42	51.22	-1,932.74	766.29	601.49	541.84	59.64	10.085		
7,850.00	7,671.18	8,033.43	7,711.25	37.94	45.48	60.06	-1,941.91	744.09	577.20	517.85	59.35	9.725		
7,900.00	7,707.56	8,054.51	7,727.77	38.23	45.51	66.37	-1,946.42	731.81	554.68	494.91	59.77	9.281		
7,950.00	7,740.93	8,063.11	7,734.38	38.53	45.51	70.64	-1,948.23	726.62	535.10	474.47	60.63	8.825		
8,000.00	7,771.06	8,063.63	7,734.78	38.84	45.51	73.30	-1,948.33	726.30	519.22	457.43	61.79	8.402		
8,050.00	7,797.69	8,058.66	7,730.97	39.16	45.51	74.66	-1,947.29	729.31	507.54	444.38	63.16	8.036		
8,100.00	7,820.64	8,049.83	7,724.14	39.50	45.50	74.96	-1,945.43	734.59	500.34	435.66	64.69	7.735		
8,150.00	7,839.72	8,038.19	7,715.01	39.85	45.48	74.35	-1,942.93	741.38	497.68	431.35	66.33	7.503		
8,154.75	7,841.33	8,036.96	7,714.04	39.88	45.48	74.25	-1,942.67	742.08	497.66	431.17	66.50	7.484		
8,200.00	7,854.80	8,024.43	7,704.06	40.22	45.46	72.98	-1,939.94	749.15	499.43	431.36	68.07	7.337		
8,250.00	7,865.75	8,009.05	7,691.61	40.60	45.44	70.96	-1,936.54	757.51	505.28	435.41	69.87	7.232		
8,300.00	7,872.50	7,992.42	7,677.90	41.01	45.42	68.40	-1,932.80	766.16	514.80	443.11	71.69	7.181		
8,354.11	7,875.00	7,973.28	7,661.85	41.47	45.38	65.12	-1,928.41	775.59	528.62	454.98	73.65	7.178		
8,400.00	7,875.00	7,957.48	7,648.37	41.89	45.35	63.57	-1,924.73	782.96	543.18	467.91	75.28	7.216		
8,500.00	7,875.00	7,928.16	7,622.84	42.90	45.29	60.67	-1,917.77	795.60	584.46	505.92	78.54	7.442		
8,600.00	7,875.00	7,900.00	7,597.78	44.06	45.23	57.89	-1,910.93	806.45	637.20	556.19	81.01	7.865		
8,700.00	7,875.00	7,884.65	7,583.91	45.36	45.18	56.39	-1,907.15	811.83	699.14	615.87	83.27	8.396		
8,800.00	7,875.00	7,868.17	7,568.86	46.80	45.13	54.79	-1,903.04	817.17	768.36	683.60	84.77	9.064		
8,900.00	7,875.00	7,850.00	7,552.12	48.37	45.08	53.04	-1,898.47	822.53	843.25	757.56	85.69	9.840		

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 3AH
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 3AH	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		
9,000.00	7,875.00	7,850.00	7,552.12	50.05	45.08	53.04	-1,898.47	822.53	922.55	835.68	86.87	10.620		
9,100.00	7,875.00	7,831.74	7,535.13	51.83	45.02	51.32	-1,893.84	827.36	1,005.12	917.98	87.14	11.534		
9,200.00	7,875.00	7,822.62	7,526.59	53.70	44.99	50.46	-1,891.51	829.56	1,090.46	1,002.95	87.52	12.460		
9,300.00	7,875.00	7,814.58	7,519.04	55.65	44.96	49.72	-1,889.46	831.39	1,177.95	1,090.17	87.78	13.420		
9,400.00	7,875.00	7,800.00	7,505.28	57.66	44.91	48.39	-1,885.70	834.42	1,267.22	1,179.45	87.77	14.438		
9,500.00	7,875.00	7,800.00	7,505.28	59.74	44.91	48.39	-1,885.70	834.42	1,357.76	1,269.71	88.05	15.420		
9,600.00	7,875.00	7,800.00	7,505.28	61.88	44.91	48.39	-1,885.70	834.42	1,449.55	1,361.29	88.26	16.424		
9,700.00	7,875.00	7,800.00	7,505.28	64.06	44.91	48.39	-1,885.70	834.42	1,542.35	1,453.95	88.41	17.446		
9,800.00	7,875.00	7,800.00	7,505.28	66.28	44.91	48.39	-1,885.70	834.42	1,636.01	1,547.49	88.52	18.482		
9,900.00	7,875.00	7,781.16	7,487.40	68.54	44.83	46.70	-1,880.83	837.79	1,729.98	1,641.75	88.23	19.607		
10,000.00	7,875.00	7,777.24	7,483.66	70.84	44.82	46.36	-1,879.81	838.42	1,824.76	1,736.54	88.23	20.682		
10,100.00	7,875.00	7,773.63	7,480.22	73.16	44.80	46.04	-1,878.87	838.97	1,920.05	1,831.83	88.22	21.765		
10,200.00	7,875.00	7,770.30	7,477.05	75.51	44.79	45.75	-1,878.01	839.46	2,015.77	1,927.57	88.20	22.854		
10,300.00	7,875.00	7,750.00	7,457.61	77.89	44.71	44.01	-1,872.71	842.03	2,112.19	2,024.30	87.89	24.033		
10,400.00	7,875.00	7,750.00	7,457.61	80.29	44.71	44.01	-1,872.71	842.03	2,208.51	2,120.58	87.92	25.118		
10,500.00	7,875.00	7,750.00	7,457.61	82.70	44.71	44.01	-1,872.71	842.03	2,305.14	2,217.19	87.95	26.209		
10,600.00	7,875.00	7,750.00	7,457.61	85.14	44.71	44.01	-1,872.71	842.03	2,402.06	2,314.08	87.97	27.304		
10,700.00	7,875.00	7,750.00	7,457.61	87.59	44.71	44.01	-1,872.71	842.03	2,499.21	2,411.22	87.99	28.403		
10,800.00	7,875.00	7,750.00	7,457.61	90.06	44.71	44.01	-1,872.71	842.03	2,596.58	2,508.57	88.01	29.505		
10,900.00	7,875.00	7,750.00	7,457.61	92.53	44.71	44.01	-1,872.71	842.03	2,694.14	2,606.13	88.02	30.609		
11,000.00	7,875.00	7,750.00	7,457.61	95.03	44.71	44.01	-1,872.71	842.03	2,791.88	2,703.85	88.03	31.716		
11,100.00	7,875.00	7,750.00	7,457.61	97.53	44.71	44.01	-1,872.71	842.03	2,889.77	2,801.74	88.03	32.825		
11,200.00	7,875.00	7,750.00	7,457.61	100.04	44.71	44.01	-1,872.71	842.03	2,987.80	2,899.76	88.04	33.936		
11,300.00	7,875.00	7,750.00	7,457.61	102.57	44.71	44.01	-1,872.71	842.03	3,085.96	2,997.91	88.05	35.049		
11,400.00	7,875.00	7,750.00	7,457.61	105.10	44.71	44.01	-1,872.71	842.03	3,184.23	3,096.17	88.05	36.162		
11,500.00	7,875.00	7,750.00	7,457.61	107.64	44.71	44.01	-1,872.71	842.03	3,282.60	3,194.54	88.06	37.277		
11,600.00	7,875.00	7,750.00	7,457.61	110.19	44.71	44.01	-1,872.71	842.03	3,381.08	3,293.01	88.07	38.392		
11,700.00	7,875.00	7,750.00	7,457.61	112.74	44.71	44.01	-1,872.71	842.03	3,479.63	3,391.56	88.07	39.508		
11,800.00	7,875.00	7,750.00	7,457.61	115.31	44.71	44.01	-1,872.71	842.03	3,578.27	3,490.19	88.08	40.624		
11,900.00	7,875.00	7,750.00	7,457.61	117.87	44.71	44.01	-1,872.71	842.03	3,676.98	3,588.89	88.09	41.741		
12,000.00	7,875.00	7,750.00	7,457.61	120.45	44.71	44.01	-1,872.71	842.03	3,775.76	3,687.67	88.10	42.858		
12,100.00	7,875.00	7,750.00	7,457.61	123.03	44.71	44.01	-1,872.71	842.03	3,874.61	3,786.50	88.11	43.976		
12,200.00	7,875.00	7,750.00	7,457.61	125.61	44.71	44.01	-1,872.71	842.03	3,973.51	3,885.39	88.12	45.093		
12,300.00	7,875.00	7,750.00	7,457.61	128.20	44.71	44.01	-1,872.71	842.03	4,072.46	3,984.33	88.13	46.210		
12,400.00	7,875.00	7,750.00	7,457.61	130.79	44.71	44.01	-1,872.71	842.03	4,171.46	4,083.32	88.14	47.327		
12,500.00	7,875.00	7,750.00	7,457.61	133.39	44.71	44.01	-1,872.71	842.03	4,270.51	4,182.36	88.15	48.444		
12,600.00	7,875.00	7,750.00	7,457.61	135.99	44.71	44.01	-1,872.71	842.03	4,369.61	4,281.44	88.17	49.560		
12,700.00	7,875.00	7,750.00	7,457.61	138.60	44.71	44.01	-1,872.71	842.03	4,468.74	4,380.56	88.18	50.676		
12,800.00	7,875.00	7,750.00	7,457.61	141.21	44.71	44.01	-1,872.71	842.03	4,567.91	4,479.72	88.20	51.792		
12,900.00	7,875.00	7,750.00	7,457.61	143.82	44.71	44.01	-1,872.71	842.03	4,667.12	4,578.91	88.21	52.907		
13,000.00	7,875.00	7,727.68	7,436.16	146.43	44.60	42.16	-1,866.87	844.03	4,765.88	4,677.91	87.97	54.179		
13,100.00	7,875.00	7,726.96	7,435.48	149.05	44.60	42.10	-1,866.68	844.08	4,865.12	4,777.14	87.98	55.300		
13,200.00	7,875.00	7,726.28	7,434.82	151.67	44.59	42.04	-1,866.50	844.12	4,964.39	4,876.40	87.99	56.420		
13,300.00	7,875.00	7,725.62	7,434.18	154.30	44.59	41.99	-1,866.33	844.17	5,063.69	4,975.68	88.00	57.539		
13,400.00	7,875.00	7,724.98	7,433.57	156.92	44.59	41.94	-1,866.16	844.21	5,163.01	5,074.99	88.02	58.658		
13,500.00	7,875.00	7,724.37	7,432.98	159.55	44.58	41.89	-1,866.00	844.25	5,262.36	5,174.32	88.04	59.775		
13,600.00	7,875.00	7,723.77	7,432.40	162.18	44.58	41.84	-1,865.84	844.29	5,361.73	5,273.68	88.05	60.892		
13,700.00	7,875.00	7,723.19	7,431.85	164.81	44.58	41.79	-1,865.69	844.33	5,461.13	5,373.06	88.07	62.007		
13,800.00	7,875.00	7,722.64	7,431.31	167.45	44.58	41.75	-1,865.55	844.36	5,560.54	5,472.45	88.09	63.122		
13,900.00	7,875.00	7,700.00	7,409.49	170.08	44.47	39.96	-1,859.60	845.30	5,660.45	5,572.59	87.86	64.425		
14,000.00	7,875.00	7,700.00	7,409.49	172.72	44.47	39.96	-1,859.60	845.30	5,759.88	5,671.99	87.89	65.535		
14,100.00	7,875.00	7,700.00	7,409.49	175.36	44.47	39.96	-1,859.60	845.30	5,859.33	5,771.41	87.92	66.644		

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 3AH
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 3AH	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		
14,200.00	7,875.00	7,700.00	7,409.49	178.00	44.47	39.96	-1,859.60	845.30	5,958.80	5,870.85	87.95	67.752		
14,300.00	7,875.00	7,700.00	7,409.49	180.65	44.47	39.96	-1,859.60	845.30	6,058.29	5,970.31	87.98	68.859		
14,400.00	7,875.00	7,700.00	7,409.49	183.29	44.47	39.96	-1,859.60	845.30	6,157.80	6,069.78	88.01	69.964		
14,500.00	7,875.00	7,700.00	7,409.49	185.94	44.47	39.96	-1,859.60	845.30	6,257.32	6,169.27	88.05	71.068		
14,600.00	7,875.00	7,700.00	7,409.49	188.59	44.47	39.96	-1,859.60	845.30	6,356.85	6,268.77	88.08	72.171		
14,700.00	7,875.00	7,700.00	7,409.49	191.23	44.47	39.96	-1,859.60	845.30	6,456.40	6,368.29	88.11	73.273		
14,800.00	7,875.00	7,700.00	7,409.49	193.89	44.47	39.96	-1,859.60	845.30	6,555.96	6,467.81	88.15	74.373		
14,900.00	7,875.00	7,700.00	7,409.49	196.54	44.47	39.96	-1,859.60	845.30	6,655.54	6,567.36	88.19	75.472		
15,000.00	7,875.00	7,700.00	7,409.49	199.19	44.47	39.96	-1,859.60	845.30	6,755.13	6,666.91	88.22	76.569		
15,100.00	7,875.00	7,700.00	7,409.49	201.84	44.47	39.96	-1,859.60	845.30	6,854.73	6,766.47	88.26	77.665		
15,200.00	7,875.00	7,700.00	7,409.49	204.50	44.47	39.96	-1,859.60	845.30	6,954.34	6,866.05	88.30	78.760		
15,300.00	7,875.00	7,700.00	7,409.49	207.15	44.47	39.96	-1,859.60	845.30	7,053.97	6,965.63	88.34	79.853		
15,400.00	7,875.00	7,700.00	7,409.49	209.81	44.47	39.96	-1,859.60	845.30	7,153.60	7,065.22	88.38	80.945		
15,500.00	7,875.00	7,700.00	7,409.49	212.47	44.47	39.96	-1,859.60	845.30	7,253.24	7,164.83	88.42	82.035		
15,600.00	7,875.00	7,700.00	7,409.49	215.13	44.47	39.96	-1,859.60	845.30	7,352.90	7,264.44	88.46	83.124		
15,700.00	7,875.00	7,700.00	7,409.49	217.79	44.47	39.96	-1,859.60	845.30	7,452.56	7,364.06	88.50	84.211		
15,800.00	7,875.00	7,700.00	7,409.49	220.45	44.47	39.96	-1,859.60	845.30	7,552.23	7,463.69	88.54	85.297		
15,900.00	7,875.00	7,700.00	7,409.49	223.11	44.47	39.96	-1,859.60	845.30	7,651.91	7,563.33	88.58	86.381		
16,000.00	7,875.00	7,700.00	7,409.49	225.77	44.47	39.96	-1,859.60	845.30	7,751.60	7,662.97	88.63	87.463		
16,100.00	7,875.00	7,700.00	7,409.49	228.44	44.47	39.96	-1,859.60	845.30	7,851.30	7,762.63	88.67	88.544		
16,200.00	7,875.00	7,700.00	7,409.49	231.10	44.47	39.96	-1,859.60	845.30	7,951.00	7,862.29	88.72	89.623		
16,300.00	7,875.00	7,700.00	7,409.49	233.76	44.47	39.96	-1,859.60	845.30	8,050.71	7,961.95	88.76	90.700		
16,400.00	7,875.00	7,700.00	7,409.49	236.43	44.47	39.96	-1,859.60	845.30	8,150.43	8,061.62	88.81	91.776		
16,500.00	7,875.00	7,700.00	7,409.49	239.09	44.47	39.96	-1,859.60	845.30	8,250.16	8,161.30	88.85	92.850		
16,600.00	7,875.00	7,700.00	7,409.49	241.76	44.47	39.96	-1,859.60	845.30	8,349.89	8,260.99	88.90	93.922		
16,700.00	7,875.00	7,700.00	7,409.49	244.43	44.47	39.96	-1,859.60	845.30	8,449.63	8,360.68	88.95	94.992		
16,800.00	7,875.00	7,700.00	7,409.49	247.10	44.47	39.96	-1,859.60	845.30	8,549.37	8,460.37	89.00	96.061		
16,900.00	7,875.00	7,700.00	7,409.49	249.76	44.47	39.96	-1,859.60	845.30	8,649.12	8,560.07	89.05	97.128		
17,000.00	7,875.00	7,700.00	7,409.49	252.43	44.47	39.96	-1,859.60	845.30	8,748.88	8,659.78	89.10	98.193		
17,100.00	7,875.00	7,700.00	7,409.49	255.10	44.47	39.96	-1,859.60	845.30	8,848.64	8,759.49	89.15	99.256		
17,200.00	7,875.00	7,700.00	7,409.49	257.77	44.47	39.96	-1,859.60	845.30	8,948.41	8,859.21	89.20	100.318		
17,300.00	7,875.00	7,700.00	7,409.49	260.44	44.47	39.96	-1,859.60	845.30	9,048.18	8,958.93	89.25	101.377		
17,400.00	7,875.00	7,700.00	7,409.49	263.11	44.47	39.96	-1,859.60	845.30	9,147.96	9,058.65	89.31	102.435		
17,500.00	7,875.00	7,700.00	7,409.49	265.79	44.47	39.96	-1,859.60	845.30	9,247.74	9,158.38	89.36	103.490		
17,600.00	7,875.00	7,700.00	7,409.49	268.46	44.47	39.96	-1,859.60	845.30	9,347.52	9,258.11	89.41	104.544		
17,700.00	7,875.00	7,700.00	7,409.49	271.13	44.47	39.96	-1,859.60	845.30	9,447.32	9,357.85	89.47	105.596		
17,800.00	7,875.00	7,700.00	7,409.49	273.80	44.47	39.96	-1,859.60	845.30	9,547.11	9,457.59	89.52	106.646		
17,900.00	7,875.00	7,700.00	7,409.49	276.48	44.47	39.96	-1,859.60	845.30	9,646.91	9,557.33	89.58	107.694		
18,000.00	7,875.00	7,700.00	7,409.49	279.15	44.47	39.96	-1,859.60	845.30	9,746.71	9,657.08	89.63	108.740		
18,100.00	7,875.00	7,700.00	7,409.49	281.82	44.47	39.96	-1,859.60	845.30	9,846.52	9,756.83	89.69	109.784		
18,200.00	7,875.00	7,700.00	7,409.49	284.50	44.47	39.96	-1,859.60	845.30	9,946.33	9,856.59	89.75	110.826		

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3AH
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 3AH	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	-75.04	0.00	75.04					
100.00	100.00	100.10	99.90	0.13	0.13	180.00	-75.04	0.00	75.04	74.77	0.27	278.736		
200.00	200.00	200.10	199.90	0.49	0.49	180.00	-75.04	0.00	75.04	74.05	0.99	76.093		
250.00	250.00	249.90	249.90	0.67	0.67	180.00	-75.04	0.00	75.04	73.70	1.34	55.836		
300.00	300.00	298.70	298.70	0.84	0.84	14.85	-75.43	0.14	75.02	73.33	1.68	44.581		
400.00	399.93	396.30	396.24	1.19	1.17	14.65	-78.55	1.28	74.84	72.49	2.35	31.812		
500.00	499.68	493.90	493.61	1.54	1.52	14.25	-84.79	3.55	74.50	71.46	3.04	24.497		
600.00	599.13	591.50	590.70	1.92	1.88	13.64	-94.15	6.95	73.99	70.25	3.74	19.785		
700.00	698.15	689.11	687.39	2.31	2.27	12.82	-106.61	11.48	73.34	68.89	4.45	16.492		
800.00	796.63	786.73	783.59	2.74	2.69	11.78	-122.15	17.13	72.54	67.38	5.16	14.054		
833.76	829.73	819.69	815.94	2.89	2.83	11.37	-128.10	19.29	72.24	66.84	5.40	13.367		
861.03	856.43	846.30	842.00	3.02	2.96	11.00	-133.15	21.13	72.12	66.51	5.60	12.874 CC		
900.00	894.60	884.34	879.17	3.20	3.13	10.38	-140.77	23.90	72.37	66.49	5.88	12.306 ES		
1,000.00	992.53	981.83	973.90	3.67	3.61	8.40	-162.41	31.77	75.36	68.76	6.60	11.416		
1,100.00	1,090.46	1,078.98	1,067.46	4.14	4.13	6.11	-186.98	40.70	81.76	74.45	7.31	11.178 SF		
1,200.00	1,188.39	1,175.55	1,159.54	4.62	4.69	3.83	-214.34	50.64	91.61	83.58	8.03	11.409		
1,300.00	1,286.32	1,271.35	1,249.85	5.11	5.28	1.79	-244.34	61.55	104.89	96.15	8.74	12.001		
1,400.00	1,384.25	1,369.43	1,341.57	5.60	5.92	0.07	-276.99	73.42	120.48	110.98	9.50	12.678		
1,500.00	1,482.18	1,468.14	1,433.86	6.09	6.58	-1.27	-309.90	85.39	136.20	125.91	10.29	13.242		
1,600.00	1,580.12	1,566.85	1,526.15	6.58	7.25	-2.32	-342.81	97.35	151.98	140.91	11.07	13.724		
1,700.00	1,678.05	1,665.56	1,618.44	7.07	7.93	-3.18	-375.72	109.32	167.80	155.93	11.87	14.140		
1,800.00	1,775.98	1,764.28	1,710.74	7.57	8.61	-3.89	-408.63	121.28	183.65	170.99	12.66	14.501		
1,900.00	1,873.91	1,862.99	1,803.03	8.06	9.29	-4.49	-441.54	133.25	199.52	186.06	13.47	14.818		
2,000.00	1,971.84	1,961.70	1,895.32	8.55	9.98	-5.00	-474.45	145.21	215.42	201.15	14.27	15.097		
2,100.00	2,069.77	2,060.41	1,987.62	9.05	10.67	-5.44	-507.36	157.18	231.32	216.25	15.07	15.345		
2,200.00	2,167.70	2,159.12	2,079.91	9.55	11.36	-5.83	-540.27	169.14	247.24	231.36	15.88	15.567		
2,300.00	2,265.63	2,257.84	2,172.20	10.04	12.05	-6.16	-573.18	181.11	263.17	246.48	16.69	15.766		
2,400.00	2,363.56	2,356.55	2,264.49	10.54	12.74	-6.46	-606.09	193.08	279.10	261.60	17.50	15.946		
2,500.00	2,461.49	2,455.26	2,356.79	11.04	13.44	-6.73	-639.00	205.04	295.05	276.73	18.32	16.109		
2,600.00	2,559.43	2,553.97	2,449.08	11.54	14.14	-6.97	-671.91	217.01	310.99	291.87	19.13	16.258		
2,700.00	2,657.36	2,652.69	2,541.37	12.03	14.83	-7.18	-704.82	228.97	326.95	307.00	19.94	16.394		
2,800.00	2,755.29	2,751.40	2,633.66	12.53	15.53	-7.38	-737.73	240.94	342.90	322.15	20.76	16.519		
2,900.00	2,853.22	2,850.11	2,725.96	13.03	16.23	-7.56	-770.64	252.90	358.86	337.29	21.57	16.634		
3,000.00	2,951.15	2,948.82	2,818.25	13.53	16.93	-7.72	-803.55	264.87	374.83	352.44	22.39	16.740		
3,100.00	3,049.08	3,047.54	2,910.54	14.03	17.63	-7.87	-836.46	276.83	390.79	367.58	23.21	16.839		
3,200.00	3,147.01	3,146.25	3,002.83	14.52	18.33	-8.01	-869.37	288.80	406.76	382.74	24.03	16.930		
3,300.00	3,244.94	3,244.96	3,095.13	15.02	19.03	-8.13	-902.27	300.76	422.73	397.89	24.84	17.015		
3,400.00	3,342.87	3,343.67	3,187.42	15.52	19.73	-8.25	-935.18	312.73	438.70	413.04	25.66	17.095		
3,500.00	3,440.80	3,442.38	3,279.71	16.02	20.43	-8.36	-968.09	324.69	454.68	428.20	26.48	17.169		
3,600.00	3,538.74	3,541.10	3,372.00	16.52	21.13	-8.47	-1,001.00	336.66	470.65	443.35	27.30	17.239		
3,700.00	3,636.67	3,639.81	3,464.30	17.02	21.84	-8.56	-1,033.91	348.62	486.63	458.51	28.12	17.305		
3,800.00	3,734.60	3,738.52	3,556.59	17.52	22.54	-8.65	-1,066.82	360.59	502.61	473.67	28.94	17.366		
3,900.00	3,832.53	3,837.23	3,648.88	18.02	23.24	-8.73	-1,099.73	372.55	518.59	488.83	29.76	17.424		
4,000.00	3,930.46	3,935.95	3,741.17	18.52	23.94	-8.81	-1,132.64	384.52	534.57	503.98	30.58	17.479		
4,100.00	4,028.39	4,034.66	3,833.47	19.02	24.64	-8.89	-1,165.55	396.48	550.55	519.14	31.40	17.531		
4,200.00	4,126.32	4,133.37	3,925.76	19.52	25.35	-8.96	-1,198.46	408.45	566.53	534.31	32.23	17.580		
4,300.00	4,224.25	4,232.08	4,018.05	20.01	26.05	-9.03	-1,231.37	420.41	582.51	549.47	33.05	17.627		
4,400.00	4,322.18	4,330.80	4,110.34	20.51	26.75	-9.09	-1,264.28	432.38	598.50	564.63	33.87	17.671		
4,500.00	4,420.11	4,429.51	4,202.64	21.01	27.46	-9.15	-1,297.19	444.34	614.48	579.79	34.69	17.713		
4,600.00	4,518.05	4,528.22	4,294.93	21.51	28.16	-9.20	-1,330.10	456.31	630.47	594.95	35.51	17.753		
4,700.00	4,615.98	4,626.93	4,387.22	22.01	28.86	-9.26	-1,363.01	468.27	646.45	610.12	36.33	17.792		
4,800.00	4,713.91	4,725.64	4,479.51	22.51	29.57	-9.31	-1,395.92	480.24	662.44	625.28	37.16	17.828		

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 3AH
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 3AH	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	4,811.84	4,824.36	4,571.81	23.01	30.27	-9.36	-1,428.83	492.20	678.42	640.44	37.98	17.863		
5,000.00	4,909.77	4,923.07	4,664.10	23.51	30.97	-9.40	-1,461.74	504.17	694.41	655.61	38.80	17.896		
5,100.00	5,007.70	5,021.78	4,756.39	24.01	31.68	-9.45	-1,494.65	516.13	710.40	670.77	39.63	17.928		
5,200.00	5,105.63	5,120.49	4,848.68	24.51	32.38	-9.49	-1,527.56	528.10	726.39	685.94	40.45	17.958		
5,300.00	5,203.56	5,219.21	4,940.98	25.01	33.09	-9.53	-1,560.47	540.06	742.37	701.10	41.27	17.988		
5,400.00	5,301.49	5,317.92	5,033.27	25.51	33.79	-9.57	-1,593.38	552.03	758.36	716.27	42.09	18.016		
5,500.00	5,399.43	5,416.63	5,125.56	26.01	34.49	-9.61	-1,626.29	563.99	774.35	731.43	42.92	18.043		
5,600.00	5,497.36	5,515.34	5,217.85	26.51	35.20	-9.64	-1,659.20	575.96	790.34	746.60	43.74	18.069		
5,700.00	5,595.29	5,614.05	5,310.15	27.01	35.90	-9.68	-1,692.11	587.92	806.33	761.76	44.56	18.093		
5,800.00	5,693.22	5,712.77	5,402.44	27.51	36.61	-9.71	-1,725.02	599.89	822.32	776.93	45.39	18.117		
5,900.00	5,791.15	5,811.48	5,494.73	28.01	37.31	-9.74	-1,757.92	611.85	838.31	792.10	46.21	18.140		
6,000.00	5,889.08	5,910.19	5,587.02	28.51	38.01	-9.77	-1,790.83	623.82	854.30	807.26	47.04	18.163		
6,100.00	5,987.01	6,008.90	5,679.32	29.01	38.72	-9.80	-1,823.74	635.78	870.29	822.43	47.86	18.184		
6,200.00	6,084.94	6,107.62	5,771.61	29.51	39.42	-9.83	-1,856.65	647.75	886.28	837.60	48.68	18.205		
6,300.00	6,182.87	6,206.33	5,863.90	30.01	40.13	-9.86	-1,889.56	659.71	902.27	852.76	49.51	18.225		
6,400.00	6,280.80	6,305.04	5,956.19	30.51	40.83	-9.89	-1,922.47	671.68	918.26	867.93	50.33	18.244		
6,500.00	6,378.74	6,403.75	6,048.49	31.01	41.54	-9.91	-1,955.38	683.64	934.25	883.10	51.16	18.263		
6,600.00	6,476.67	6,502.47	6,140.78	31.51	42.24	-9.94	-1,988.29	695.61	950.24	898.26	51.98	18.281		
6,700.00	6,574.60	6,601.18	6,233.07	32.01	42.95	-9.96	-2,021.20	707.57	966.24	913.43	52.81	18.298		
6,800.00	6,672.53	6,699.89	6,325.36	32.51	43.65	-9.98	-2,054.11	719.54	982.23	928.60	53.63	18.315		
6,900.00	6,770.46	6,798.60	6,417.66	33.01	44.36	-10.01	-2,087.02	731.50	998.22	943.77	54.45	18.331		
7,000.00	6,868.39	6,902.69	6,509.95	33.51	45.10	-10.03	-2,119.93	743.47	1,014.21	958.91	55.30	18.339		
7,100.00	6,966.32	7,003.97	6,602.24	34.01	45.82	-10.05	-2,152.84	755.43	1,030.20	974.06	56.14	18.351		
7,200.00	7,064.25	7,094.74	6,694.53	34.51	46.47	-10.07	-2,185.75	767.40	1,046.20	989.27	56.93	18.377		
7,300.00	7,162.18	7,206.55	6,786.83	35.01	47.27	-10.09	-2,218.66	779.36	1,062.19	1,004.38	57.81	18.374		
7,400.00	7,260.11	7,292.16	6,879.12	35.51	47.88	-10.11	-2,251.57	791.33	1,078.18	1,019.60	58.58	18.406		
7,485.17	7,343.52	7,376.23	6,957.72	35.94	48.48	-10.12	-2,279.60	801.52	1,091.80	1,032.52	59.28	18.418		
7,500.00	7,358.03	7,409.11	6,971.42	36.01	48.71	-3.66	-2,284.48	803.29	1,094.09	1,034.61	59.48	18.394		
7,550.00	7,406.68	7,440.36	7,017.68	36.27	48.94	13.93	-2,300.98	809.29	1,100.60	1,040.82	59.79	18.409		
7,600.00	7,454.62	7,489.65	7,063.76	36.54	49.29	25.63	-2,317.41	815.26	1,105.24	1,045.10	60.14	18.378		
7,650.00	7,501.47	7,538.40	7,109.34	36.81	49.64	33.54	-2,333.66	821.17	1,108.04	1,047.58	60.46	18.326		
7,700.00	7,546.90	7,586.22	7,154.05	37.08	49.98	39.29	-2,349.60	826.97	1,109.10	1,048.33	60.76	18.253		
7,750.00	7,590.54	7,632.75	7,197.56	37.36	50.31	43.83	-2,365.12	832.61	1,108.54	1,047.49	61.05	18.157		
7,800.00	7,632.07	7,677.65	7,239.54	37.65	50.63	47.66	-2,380.09	838.05	1,106.57	1,045.22	61.35	18.038		
7,850.00	7,671.18	7,737.01	7,295.10	37.94	51.05	51.56	-2,399.90	844.63	1,103.32	1,041.52	61.80	17.853		
7,900.00	7,707.56	7,826.33	7,379.14	38.23	51.61	56.74	-2,429.88	844.37	1,097.78	1,035.29	62.49	17.567		
7,950.00	7,740.93	7,886.48	7,435.26	38.53	51.93	61.16	-2,449.91	836.38	1,090.96	1,027.87	63.09	17.293		
8,000.00	7,771.06	7,924.99	7,470.65	38.84	52.11	64.60	-2,462.54	828.00	1,084.20	1,020.44	63.76	17.006		
8,050.00	7,797.69	7,948.26	7,491.75	39.16	52.21	67.09	-2,470.08	821.72	1,078.31	1,013.76	64.55	16.705		
8,100.00	7,820.64	7,960.83	7,503.04	39.50	52.26	68.77	-2,474.11	817.95	1,073.76	1,008.28	65.48	16.398		
8,150.00	7,839.72	7,965.78	7,507.47	39.85	52.28	69.77	-2,475.69	816.39	1,070.80	1,004.24	66.56	16.089		
8,200.00	7,854.80	7,965.19	7,506.94	40.22	52.28	70.18	-2,475.50	816.58	1,069.53	1,001.76	67.77	15.782		
8,211.94	7,857.79	7,964.39	7,506.23	40.31	52.28	70.21	-2,475.25	816.83	1,069.48	1,001.40	68.08	15.709		
8,250.00	7,865.75	7,960.47	7,502.72	40.60	52.26	70.11	-2,474.00	818.06	1,069.97	1,000.86	69.11	15.482		
8,300.00	7,872.50	7,952.63	7,495.69	41.01	52.23	69.63	-2,471.48	820.44	1,072.07	1,001.50	70.57	15.191		
8,354.11	7,875.00	7,941.43	7,485.58	41.47	52.18	68.70	-2,467.87	823.66	1,076.07	1,003.82	72.26	14.893		
8,400.00	7,875.00	7,931.56	7,476.63	41.89	52.14	68.19	-2,464.68	826.32	1,081.10	1,007.34	73.76	14.656		
8,500.00	7,875.00	7,913.72	7,460.35	42.90	52.06	67.27	-2,458.87	830.71	1,098.31	1,021.06	77.25	14.217		
8,600.00	7,875.00	7,900.00	7,447.74	44.06	52.00	66.55	-2,454.37	833.73	1,123.86	1,043.03	80.84	13.903		
8,700.00	7,875.00	7,888.24	7,436.89	45.36	51.94	65.94	-2,450.49	836.05	1,157.30	1,073.00	84.29	13.730		
8,800.00	7,875.00	7,878.85	7,428.18	46.80	51.89	65.45	-2,447.38	837.74	1,198.01	1,110.48	87.52	13.688		
8,900.00	7,875.00	7,870.97	7,420.87	48.37	51.85	65.04	-2,444.77	839.04	1,245.32	1,154.87	90.44	13.769		

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 3AH
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 3AH	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	7,875.00	7,864.27	7,414.63	50.05	51.82	64.68	-2,442.55	840.06	1,298.53	1,205.51	93.02	13.959		
9,100.00	7,875.00	7,850.00	7,401.31	51.83	51.75	63.94	-2,437.79	841.98	1,357.04	1,261.96	95.08	14.273		
9,200.00	7,875.00	7,850.00	7,401.31	53.70	51.75	63.94	-2,437.79	841.98	1,420.02	1,322.91	97.11	14.623		
9,300.00	7,875.00	7,850.00	7,401.31	55.65	51.75	63.94	-2,437.79	841.98	1,487.06	1,388.23	98.83	15.046		
9,400.00	7,875.00	7,850.00	7,401.31	57.66	51.75	63.94	-2,437.79	841.98	1,557.64	1,457.35	100.29	15.532		
9,500.00	7,875.00	7,850.00	7,401.31	59.74	51.75	63.94	-2,437.79	841.98	1,631.30	1,529.79	101.51	16.070		
9,600.00	7,875.00	7,850.00	7,401.31	61.88	51.75	63.94	-2,437.79	841.98	1,707.64	1,605.11	102.54	16.654		
9,700.00	7,875.00	7,850.00	7,401.31	64.06	51.75	63.94	-2,437.79	841.98	1,786.32	1,682.92	103.40	17.276		
9,800.00	7,875.00	7,850.00	7,401.31	66.28	51.75	63.94	-2,437.79	841.98	1,867.04	1,762.92	104.12	17.932		
9,900.00	7,875.00	7,831.01	7,383.53	68.54	51.64	62.94	-2,431.45	843.98	1,949.19	1,844.83	104.36	18.678		
10,000.00	7,875.00	7,828.90	7,381.55	70.84	51.63	62.83	-2,430.74	844.16	2,033.19	1,928.36	104.83	19.395		
10,100.00	7,875.00	7,826.97	7,379.74	73.16	51.62	62.73	-2,430.09	844.32	2,118.56	2,013.34	105.22	20.134		
10,200.00	7,875.00	7,825.19	7,378.07	75.51	51.61	62.63	-2,429.50	844.46	2,205.16	2,099.61	105.55	20.892		
10,300.00	7,875.00	7,823.55	7,376.52	77.89	51.60	62.55	-2,428.95	844.59	2,292.85	2,187.02	105.83	21.666		
10,400.00	7,875.00	7,822.02	7,375.09	80.29	51.59	62.47	-2,428.44	844.71	2,381.50	2,275.45	106.06	22.455		
10,500.00	7,875.00	7,820.61	7,373.77	82.70	51.58	62.39	-2,427.96	844.81	2,471.01	2,364.77	106.25	23.258		
10,600.00	7,875.00	7,819.29	7,372.53	85.14	51.57	62.33	-2,427.52	844.90	2,561.30	2,454.90	106.40	24.072		
10,700.00	7,875.00	7,800.00	7,354.38	87.59	51.46	61.32	-2,421.05	845.90	2,652.60	2,546.39	106.21	24.974		
10,800.00	7,875.00	7,800.00	7,354.38	90.06	51.46	61.32	-2,421.05	845.90	2,744.17	2,637.82	106.35	25.804		
10,900.00	7,875.00	7,800.00	7,354.38	92.53	51.46	61.32	-2,421.05	845.90	2,836.30	2,729.84	106.46	26.642		
11,000.00	7,875.00	7,800.00	7,354.38	95.03	51.46	61.32	-2,421.05	845.90	2,928.95	2,822.40	106.55	27.489		
11,100.00	7,875.00	7,800.00	7,354.38	97.53	51.46	61.32	-2,421.05	845.90	3,022.07	2,915.44	106.63	28.342		
11,200.00	7,875.00	7,800.00	7,354.38	100.04	51.46	61.32	-2,421.05	845.90	3,115.62	3,008.92	106.70	29.201		
11,300.00	7,875.00	7,800.00	7,354.38	102.57	51.46	61.32	-2,421.05	845.90	3,209.55	3,102.80	106.75	30.066		
11,400.00	7,875.00	7,800.00	7,354.38	105.10	51.46	61.32	-2,421.05	845.90	3,303.84	3,197.05	106.80	30.935		
11,500.00	7,875.00	7,800.00	7,354.38	107.64	51.46	61.32	-2,421.05	845.90	3,398.46	3,291.62	106.84	31.810		
11,600.00	7,875.00	7,800.00	7,354.38	110.19	51.46	61.32	-2,421.05	845.90	3,493.38	3,386.51	106.87	32.689		
11,700.00	7,875.00	7,800.00	7,354.38	112.74	51.46	61.32	-2,421.05	845.90	3,588.57	3,481.68	106.89	33.571		
11,800.00	7,875.00	7,800.00	7,354.38	115.31	51.46	61.32	-2,421.05	845.90	3,684.02	3,577.10	106.92	34.457		
11,900.00	7,875.00	7,800.00	7,354.38	117.87	51.46	61.32	-2,421.05	845.90	3,779.70	3,672.77	106.93	35.346		
12,000.00	7,875.00	7,800.00	7,354.38	120.45	51.46	61.32	-2,421.05	845.90	3,875.60	3,768.65	106.95	36.238		
12,100.00	7,875.00	7,800.00	7,354.38	123.03	51.46	61.32	-2,421.05	845.90	3,971.71	3,864.75	106.96	37.132		
12,200.00	7,875.00	7,800.00	7,354.38	125.61	51.46	61.32	-2,421.05	845.90	4,068.00	3,961.03	106.97	38.029		
12,300.00	7,875.00	7,800.00	7,354.38	128.20	51.46	61.32	-2,421.05	845.90	4,164.46	4,057.49	106.98	38.928		
12,400.00	7,875.00	7,800.00	7,354.38	130.79	51.46	61.32	-2,421.05	845.90	4,261.09	4,154.11	106.99	39.829		
12,500.00	7,875.00	7,800.00	7,354.38	133.39	51.46	61.32	-2,421.05	845.90	4,357.88	4,250.88	106.99	40.731		
12,600.00	7,875.00	7,800.00	7,354.38	135.99	51.46	61.32	-2,421.05	845.90	4,454.80	4,347.80	107.00	41.635		
12,700.00	7,875.00	7,800.00	7,354.38	138.60	51.46	61.32	-2,421.05	845.90	4,551.86	4,444.86	107.00	42.541		
12,800.00	7,875.00	7,800.00	7,354.38	141.21	51.46	61.32	-2,421.05	845.90	4,649.04	4,542.03	107.00	43.448		
12,900.00	7,875.00	7,800.00	7,354.38	143.82	51.46	61.32	-2,421.05	845.90	4,746.33	4,639.33	107.01	44.356		
13,000.00	7,875.00	7,800.00	7,354.38	146.43	51.46	61.32	-2,421.05	845.90	4,843.74	4,736.73	107.01	45.265		
13,100.00	7,875.00	7,800.00	7,354.38	149.05	51.46	61.32	-2,421.05	845.90	4,941.26	4,834.24	107.01	46.175		
13,200.00	7,875.00	7,800.00	7,354.38	151.67	51.46	61.32	-2,421.05	845.90	5,038.86	4,931.85	107.01	47.086		
13,300.00	7,875.00	7,800.00	7,354.38	154.30	51.46	61.32	-2,421.05	845.90	5,136.57	5,029.55	107.02	47.997		
13,400.00	7,875.00	7,800.00	7,354.38	156.92	51.46	61.32	-2,421.05	845.90	5,234.35	5,127.33	107.02	48.909		
13,500.00	7,875.00	7,800.00	7,354.38	159.55	51.46	61.32	-2,421.05	845.90	5,332.22	5,225.20	107.03	49.822		
13,600.00	7,875.00	7,800.00	7,354.38	162.18	51.46	61.32	-2,421.05	845.90	5,430.17	5,323.14	107.03	50.735		
13,700.00	7,875.00	7,800.00	7,354.38	164.81	51.46	61.32	-2,421.05	845.90	5,528.19	5,421.16	107.03	51.649		
13,800.00	7,875.00	7,800.00	7,354.38	167.45	51.46	61.32	-2,421.05	845.90	5,626.28	5,519.24	107.04	52.562		
13,900.00	7,875.00	7,800.00	7,354.38	170.08	51.46	61.32	-2,421.05	845.90	5,724.44	5,617.40	107.05	53.477		
14,000.00	7,875.00	7,800.00	7,354.38	172.72	51.46	61.32	-2,421.05	845.90	5,822.66	5,715.61	107.05	54.391		
14,100.00	7,875.00	7,800.00	7,354.38	175.36	51.46	61.32	-2,421.05	845.90	5,920.94	5,813.88	107.06	55.305		

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 3AH
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 3AH	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	7,875.00	7,800.00	7,354.38	178.00	51.46	61.32	-2,421.05	845.90	6,019.28	5,912.21	107.07	56.220	
14,300.00	7,875.00	7,800.00	7,354.38	180.65	51.46	61.32	-2,421.05	845.90	6,117.67	6,010.59	107.08	57.134	
14,400.00	7,875.00	7,800.00	7,354.38	183.29	51.46	61.32	-2,421.05	845.90	6,216.11	6,109.02	107.08	58.048	
14,500.00	7,875.00	7,800.00	7,354.38	185.94	51.46	61.32	-2,421.05	845.90	6,314.60	6,207.50	107.09	58.963	
14,600.00	7,875.00	7,800.00	7,354.38	188.59	51.46	61.32	-2,421.05	845.90	6,413.14	6,306.03	107.11	59.877	
14,700.00	7,875.00	7,800.00	7,354.38	191.23	51.46	61.32	-2,421.05	845.90	6,511.72	6,404.60	107.12	60.791	
14,800.00	7,875.00	7,800.00	7,354.38	193.89	51.46	61.32	-2,421.05	845.90	6,610.34	6,503.21	107.13	61.705	
14,900.00	7,875.00	7,800.00	7,354.38	196.54	51.46	61.32	-2,421.05	845.90	6,709.01	6,601.87	107.14	62.618	
15,000.00	7,875.00	7,800.00	7,354.38	199.19	51.46	61.32	-2,421.05	845.90	6,807.71	6,700.56	107.16	63.531	
15,100.00	7,875.00	7,800.00	7,354.38	201.84	51.46	61.32	-2,421.05	845.90	6,906.45	6,799.28	107.17	64.444	
15,200.00	7,875.00	7,800.00	7,354.38	204.50	51.46	61.32	-2,421.05	845.90	7,005.23	6,898.04	107.18	65.357	
15,300.00	7,875.00	7,800.00	7,354.38	207.15	51.46	61.32	-2,421.05	845.90	7,104.04	6,996.84	107.20	66.269	
15,400.00	7,875.00	7,800.00	7,354.38	209.81	51.46	61.32	-2,421.05	845.90	7,202.88	7,095.67	107.22	67.180	
15,500.00	7,875.00	7,800.00	7,354.38	212.47	51.46	61.32	-2,421.05	845.90	7,301.76	7,194.53	107.23	68.091	
15,600.00	7,875.00	7,800.00	7,354.38	215.13	51.46	61.32	-2,421.05	845.90	7,400.67	7,293.41	107.25	69.002	
15,700.00	7,875.00	7,800.00	7,354.38	217.79	51.46	61.32	-2,421.05	845.90	7,499.60	7,392.33	107.27	69.912	
15,800.00	7,875.00	7,800.00	7,354.38	220.45	51.46	61.32	-2,421.05	845.90	7,598.56	7,491.27	107.29	70.822	
15,900.00	7,875.00	7,800.00	7,354.38	223.11	51.46	61.32	-2,421.05	845.90	7,697.55	7,590.24	107.31	71.731	
16,000.00	7,875.00	7,800.00	7,354.38	225.77	51.46	61.32	-2,421.05	845.90	7,796.57	7,689.23	107.33	72.639	
16,100.00	7,875.00	7,800.00	7,354.38	228.44	51.46	61.32	-2,421.05	845.90	7,895.61	7,788.25	107.36	73.547	
16,200.00	7,875.00	7,800.00	7,354.38	231.10	51.46	61.32	-2,421.05	845.90	7,994.67	7,887.29	107.38	74.454	
16,300.00	7,875.00	7,800.00	7,354.38	233.76	51.46	61.32	-2,421.05	845.90	8,093.76	7,986.36	107.40	75.360	
16,400.00	7,875.00	7,800.00	7,354.38	236.43	51.46	61.32	-2,421.05	845.90	8,192.87	8,085.44	107.43	76.266	
16,500.00	7,875.00	7,800.00	7,354.38	239.09	51.46	61.32	-2,421.05	845.90	8,292.00	8,184.55	107.45	77.170	
16,600.00	7,875.00	7,800.00	7,354.38	241.76	51.46	61.32	-2,421.05	845.90	8,391.15	8,283.67	107.48	78.075	
16,700.00	7,875.00	7,800.00	7,354.38	244.43	51.46	61.32	-2,421.05	845.90	8,490.32	8,382.82	107.50	78.978	
16,800.00	7,875.00	7,800.00	7,354.38	247.10	51.46	61.32	-2,421.05	845.90	8,589.51	8,481.98	107.53	79.881	
16,900.00	7,875.00	7,800.00	7,354.38	249.76	51.46	61.32	-2,421.05	845.90	8,688.72	8,581.16	107.56	80.782	
17,000.00	7,875.00	7,800.00	7,354.38	252.43	51.46	61.32	-2,421.05	845.90	8,787.95	8,680.36	107.59	81.683	
17,100.00	7,875.00	7,800.00	7,354.38	255.10	51.46	61.32	-2,421.05	845.90	8,887.19	8,779.58	107.62	82.583	
17,200.00	7,875.00	7,800.00	7,354.38	257.77	51.46	61.32	-2,421.05	845.90	8,986.45	8,878.81	107.64	83.482	
17,300.00	7,875.00	7,800.00	7,354.38	260.44	51.46	61.32	-2,421.05	845.90	9,085.73	8,978.05	107.68	84.381	
17,400.00	7,875.00	7,800.00	7,354.38	263.11	51.46	61.32	-2,421.05	845.90	9,185.02	9,077.32	107.71	85.278	
17,500.00	7,875.00	7,800.00	7,354.38	265.79	51.46	61.32	-2,421.05	845.90	9,284.33	9,176.59	107.74	86.174	
17,600.00	7,875.00	7,800.00	7,354.38	268.46	51.46	61.32	-2,421.05	845.90	9,383.65	9,275.88	107.77	87.070	
17,700.00	7,875.00	7,800.00	7,354.38	271.13	51.46	61.32	-2,421.05	845.90	9,482.99	9,375.18	107.80	87.964	
17,800.00	7,875.00	7,800.00	7,354.38	273.80	51.46	61.32	-2,421.05	845.90	9,582.34	9,474.50	107.84	88.858	
17,900.00	7,875.00	7,800.00	7,354.38	276.48	51.46	61.32	-2,421.05	845.90	9,681.70	9,573.83	107.87	89.751	
18,000.00	7,875.00	7,800.00	7,354.38	279.15	51.46	61.32	-2,421.05	845.90	9,781.08	9,673.17	107.91	90.642	
18,100.00	7,875.00	7,800.00	7,354.38	281.82	51.46	61.32	-2,421.05	845.90	9,880.47	9,772.53	107.94	91.533	
18,200.00	7,875.00	7,800.00	7,354.38	284.50	51.46	61.32	-2,421.05	845.90	9,979.87	9,871.89	107.98	92.422	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3AH
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 3AH	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	179.87	-125.31	0.28	125.31					
100.00	100.00	100.10	99.90	0.13	0.13	179.87	-125.31	0.28	125.31	125.04	0.27	465.463		
200.00	200.00	200.10	199.90	0.49	0.49	179.87	-125.31	0.28	125.31	124.32	0.99	127.068		
250.00	250.00	249.90	249.90	0.67	0.67	179.87	-125.31	0.28	125.31	123.96	1.34	93.242		
300.00	300.00	297.89	297.89	0.84	0.84	14.74	-125.69	0.40	125.29	123.61	1.68	74.581		
400.00	399.93	393.87	393.81	1.19	1.16	14.72	-128.77	1.31	125.12	122.78	2.34	53.375		
500.00	499.68	489.85	489.57	1.54	1.50	14.67	-134.92	3.15	124.79	121.76	3.03	41.232		
600.00	599.13	585.85	585.08	1.92	1.86	14.59	-144.15	5.90	124.30	120.58	3.72	33.423		
700.00	698.15	681.85	680.22	2.31	2.24	14.48	-156.44	9.57	123.65	119.23	4.42	27.973		
800.00	796.63	777.88	774.90	2.74	2.65	14.34	-171.78	14.14	122.83	117.70	5.13	23.940		
833.76	829.73	810.31	806.74	2.89	2.79	14.29	-177.65	15.89	122.52	117.15	5.37	22.805		
863.12	858.48	838.50	834.37	3.03	2.92	14.23	-183.03	17.50	122.38	116.80	5.59	21.912 CC		
900.00	894.60	873.93	869.01	3.20	3.08	14.09	-190.16	19.62	122.60	116.75	5.85	20.958 ES		
1,000.00	992.53	969.88	962.33	3.67	3.55	13.47	-211.53	26.00	125.41	118.84	6.57	19.078		
1,100.00	1,090.46	1,065.53	1,054.55	4.14	4.06	12.52	-235.79	33.24	131.48	124.18	7.29	18.027		
1,200.00	1,188.39	1,160.66	1,145.40	4.62	4.60	11.36	-262.85	41.31	140.81	132.79	8.01	17.571 SF		
1,300.00	1,286.32	1,255.07	1,234.58	5.11	5.18	10.10	-292.53	50.16	153.41	144.69	8.73	17.578		
1,400.00	1,384.25	1,348.57	1,321.84	5.60	5.79	8.84	-324.69	59.75	169.28	159.84	9.43	17.944		
1,500.00	1,482.18	1,440.97	1,406.96	6.09	6.44	7.65	-359.14	70.03	188.37	178.24	10.13	18.595		
1,600.00	1,580.12	1,536.54	1,494.05	6.58	7.14	6.54	-396.87	81.28	209.94	199.06	10.88	19.291		
1,700.00	1,678.05	1,634.08	1,582.85	7.07	7.88	5.61	-435.52	92.81	231.75	220.07	11.67	19.853		
1,800.00	1,775.98	1,731.61	1,671.65	7.57	8.63	4.84	-474.16	104.33	253.60	241.13	12.47	20.340		
1,900.00	1,873.91	1,829.14	1,760.46	8.06	9.38	4.20	-512.80	115.86	275.49	262.22	13.27	20.765		
2,000.00	1,971.84	1,926.67	1,849.26	8.55	10.14	3.65	-551.45	127.39	297.41	283.34	14.07	21.138		
2,100.00	2,069.77	2,024.20	1,938.07	9.05	10.90	3.17	-590.09	138.91	319.35	304.48	14.88	21.468		
2,200.00	2,167.70	2,121.73	2,026.87	9.55	11.66	2.76	-628.74	150.44	341.31	325.63	15.68	21.761		
2,300.00	2,265.63	2,219.26	2,115.67	10.04	12.43	2.39	-667.38	161.97	363.29	346.79	16.50	22.024		
2,400.00	2,363.56	2,316.79	2,204.48	10.54	13.20	2.07	-706.02	173.49	385.27	367.97	17.31	22.260		
2,500.00	2,461.49	2,414.33	2,293.28	11.04	13.97	1.78	-744.67	185.02	407.27	389.15	18.12	22.474		
2,600.00	2,559.43	2,511.86	2,382.09	11.54	14.74	1.52	-783.31	196.55	429.28	410.34	18.94	22.668		
2,700.00	2,657.36	2,609.39	2,470.89	12.03	15.52	1.29	-821.95	208.07	451.29	431.54	19.75	22.845		
2,800.00	2,755.29	2,706.92	2,559.69	12.53	16.29	1.08	-860.60	219.60	473.31	452.74	20.57	23.007		
2,900.00	2,853.22	2,804.45	2,648.50	13.03	17.07	0.89	-899.24	231.13	495.34	473.95	21.39	23.156		
3,000.00	2,951.15	2,901.98	2,737.30	13.53	17.85	0.71	-937.89	242.65	517.37	495.16	22.21	23.293		
3,100.00	3,049.08	3,000.49	2,826.11	14.03	18.63	0.55	-976.53	254.18	539.40	516.37	23.04	23.416		
3,200.00	3,147.01	3,102.96	2,914.91	14.52	19.45	0.40	-1,015.17	265.71	561.44	537.56	23.88	23.511		
3,300.00	3,244.94	3,194.58	3,003.71	15.02	20.18	0.26	-1,053.82	277.23	583.48	558.81	24.67	23.647		
3,400.00	3,342.87	3,307.89	3,092.52	15.52	21.09	0.13	-1,092.46	288.76	605.53	579.96	25.57	23.681		
3,500.00	3,440.80	3,389.64	3,181.32	16.02	21.74	0.01	-1,131.11	300.29	627.57	601.25	26.32	23.844		
3,600.00	3,538.74	3,487.17	3,270.13	16.52	22.52	-0.10	-1,169.75	311.81	649.62	622.48	27.14	23.932		
3,700.00	3,636.67	3,584.70	3,358.93	17.02	23.30	-0.20	-1,208.39	323.34	671.68	643.71	27.97	24.016		
3,800.00	3,734.60	3,682.23	3,447.73	17.52	24.09	-0.30	-1,247.04	334.86	693.73	664.94	28.79	24.094		
3,900.00	3,832.53	3,779.76	3,536.54	18.02	24.87	-0.39	-1,285.68	346.39	715.79	686.17	29.62	24.168		
4,000.00	3,930.46	3,877.29	3,625.34	18.52	25.65	-0.47	-1,324.33	357.92	737.84	707.40	30.44	24.237		
4,100.00	4,028.39	3,974.83	3,714.15	19.02	26.43	-0.55	-1,362.97	369.44	759.90	728.63	31.27	24.303		
4,200.00	4,126.32	4,072.36	3,802.95	19.52	27.21	-0.63	-1,401.61	380.97	781.96	749.87	32.09	24.365		
4,300.00	4,224.25	4,169.89	3,891.75	20.01	28.00	-0.70	-1,440.26	392.50	804.02	771.10	32.92	24.423		
4,400.00	4,322.18	4,267.42	3,980.56	20.51	28.78	-0.77	-1,478.90	404.02	826.09	792.34	33.75	24.479		
4,500.00	4,420.11	4,364.95	4,069.36	21.01	29.56	-0.83	-1,517.54	415.55	848.15	813.58	34.57	24.532		
4,600.00	4,518.05	4,462.48	4,158.16	21.51	30.34	-0.90	-1,556.19	427.08	870.22	834.82	35.40	24.582		
4,700.00	4,615.98	4,560.01	4,246.97	22.01	31.13	-0.95	-1,594.83	438.60	892.28	856.05	36.23	24.630		
4,800.00	4,713.91	4,657.54	4,335.77	22.51	31.91	-1.01	-1,633.48	450.13	914.35	877.29	37.05	24.676		

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 3AH
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 3AH	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	4,811.84	4,755.08	4,424.58	23.01	32.69	-1.06	-1,672.12	461.66	936.41	898.53	37.88	24.719		
5,000.00	4,909.77	4,852.61	4,513.38	23.51	33.48	-1.11	-1,710.76	473.18	958.48	919.77	38.71	24.760		
5,100.00	5,007.70	4,950.14	4,602.18	24.01	34.26	-1.16	-1,749.41	484.71	980.55	941.01	39.54	24.800		
5,200.00	5,105.63	5,047.67	4,690.99	24.51	35.04	-1.21	-1,788.05	496.24	1,002.62	962.25	40.37	24.838		
5,300.00	5,203.56	5,145.20	4,779.79	25.01	35.83	-1.25	-1,826.70	507.76	1,024.69	983.50	41.19	24.874		
5,400.00	5,301.49	5,242.73	4,868.60	25.51	36.61	-1.29	-1,865.34	519.29	1,046.76	1,004.74	42.02	24.909		
5,500.00	5,399.43	5,340.26	4,957.40	26.01	37.40	-1.33	-1,903.98	530.81	1,068.83	1,025.98	42.85	24.943		
5,600.00	5,497.36	5,437.80	5,046.20	26.51	38.18	-1.37	-1,942.63	542.34	1,090.90	1,047.22	43.68	24.975		
5,700.00	5,595.29	5,535.33	5,135.01	27.01	38.96	-1.41	-1,981.27	553.87	1,112.97	1,068.47	44.51	25.005		
5,800.00	5,693.22	5,632.86	5,223.81	27.51	39.75	-1.44	-2,019.91	565.39	1,135.05	1,089.71	45.34	25.035		
5,900.00	5,791.15	5,730.39	5,312.62	28.01	40.53	-1.48	-2,058.56	576.92	1,157.12	1,110.95	46.17	25.063		
6,000.00	5,889.08	5,827.92	5,401.42	28.51	41.32	-1.51	-2,097.20	588.45	1,179.19	1,132.20	47.00	25.091		
6,100.00	5,987.01	5,925.45	5,490.22	29.01	42.10	-1.54	-2,135.85	599.97	1,201.27	1,153.44	47.83	25.117		
6,200.00	6,084.94	6,022.98	5,579.03	29.51	42.89	-1.57	-2,174.49	611.50	1,223.34	1,174.68	48.66	25.142		
6,300.00	6,182.87	6,120.51	5,667.83	30.01	43.67	-1.60	-2,213.13	623.03	1,245.41	1,195.93	49.49	25.167		
6,400.00	6,280.80	6,218.05	5,756.64	30.51	44.46	-1.63	-2,251.78	634.55	1,267.49	1,217.17	50.32	25.191		
6,500.00	6,378.74	6,315.58	5,845.44	31.01	45.24	-1.66	-2,290.42	646.08	1,289.56	1,238.42	51.15	25.213		
6,600.00	6,476.67	6,413.11	5,934.24	31.51	46.02	-1.69	-2,329.07	657.61	1,311.64	1,259.66	51.98	25.235		
6,700.00	6,574.60	6,510.64	6,023.05	32.01	46.81	-1.71	-2,367.71	669.13	1,333.71	1,280.91	52.81	25.257		
6,800.00	6,672.53	6,608.17	6,111.85	32.51	47.59	-1.74	-2,406.35	680.66	1,355.79	1,302.15	53.64	25.277		
6,900.00	6,770.46	6,705.70	6,200.66	33.01	48.38	-1.76	-2,445.00	692.19	1,377.86	1,323.40	54.47	25.297		
7,000.00	6,868.39	6,803.23	6,289.46	33.51	49.16	-1.78	-2,483.64	703.71	1,399.94	1,344.64	55.30	25.316		
7,100.00	6,966.32	6,900.76	6,378.26	34.01	49.95	-1.81	-2,522.29	715.24	1,422.02	1,365.89	56.13	25.335		
7,200.00	7,064.25	7,001.70	6,467.07	34.51	50.76	-1.83	-2,560.93	726.76	1,444.09	1,387.12	56.97	25.346		
7,300.00	7,162.18	7,104.17	6,555.87	35.01	51.59	-1.85	-2,599.57	738.29	1,466.17	1,408.34	57.83	25.354		
7,400.00	7,260.11	7,193.36	6,644.68	35.51	52.30	-1.87	-2,638.22	749.82	1,488.25	1,429.62	58.62	25.388		
7,485.17	7,343.52	7,276.42	6,720.31	35.94	52.97	-1.89	-2,671.13	759.63	1,507.05	1,447.72	59.33	25.402		
7,500.00	7,358.03	7,309.10	6,733.49	36.01	53.23	4.47	-2,676.87	761.35	1,510.27	1,450.73	59.54	25.367		
7,550.00	7,406.68	7,339.78	6,777.99	36.27	53.48	21.64	-2,696.23	767.12	1,520.28	1,460.42	59.86	25.395		
7,600.00	7,454.62	7,388.47	6,822.33	36.54	53.87	32.83	-2,715.53	772.88	1,528.97	1,468.70	60.27	25.367		
7,650.00	7,501.47	7,436.63	6,866.17	36.81	54.26	40.16	-2,734.60	778.57	1,536.33	1,475.65	60.68	25.319		
7,700.00	7,546.90	7,483.86	6,909.18	37.08	54.64	45.26	-2,753.32	784.15	1,542.39	1,481.30	61.09	25.247		
7,750.00	7,590.54	7,529.82	6,951.03	37.36	55.01	49.07	-2,771.53	789.58	1,547.22	1,485.70	61.51	25.152		
7,800.00	7,632.07	7,574.16	6,991.40	37.65	55.37	52.10	-2,789.10	794.82	1,550.92	1,488.96	61.96	25.031		
7,850.00	7,671.18	7,616.54	7,029.99	37.94	55.71	54.65	-2,805.89	799.83	1,553.62	1,491.18	62.44	24.880		
7,900.00	7,707.56	7,656.64	7,066.50	38.23	56.03	56.86	-2,821.78	804.57	1,555.49	1,492.51	62.98	24.698		
7,950.00	7,740.93	7,705.86	7,100.65	38.53	56.43	58.84	-2,836.64	809.00	1,556.70	1,493.06	63.64	24.461		
8,000.00	7,771.06	7,728.77	7,132.18	38.84	56.61	60.61	-2,850.36	813.09	1,557.43	1,493.15	64.28	24.230		
8,050.00	7,797.69	7,760.27	7,160.86	39.16	56.87	62.20	-2,862.84	816.82	1,557.89	1,492.82	65.07	23.941		
8,100.00	7,820.64	7,788.39	7,186.46	39.50	57.09	63.58	-2,873.98	820.14	1,558.27	1,492.28	65.98	23.616		
8,150.00	7,839.72	7,812.91	7,208.79	39.85	57.29	64.76	-2,883.70	823.04	1,558.75	1,491.73	67.02	23.259		
8,200.00	7,854.80	7,833.66	7,227.68	40.22	57.46	65.70	-2,891.92	825.49	1,559.50	1,491.32	68.18	22.874		
8,250.00	7,865.75	7,850.47	7,242.99	40.60	57.59	66.40	-2,898.58	827.48	1,560.67	1,491.21	69.46	22.468		
8,300.00	7,872.50	7,863.22	7,254.60	41.01	57.70	66.81	-2,903.63	828.98	1,562.38	1,491.52	70.85	22.051		
8,354.11	7,875.00	7,872.32	7,262.89	41.47	57.77	66.94	-2,907.24	830.06	1,564.93	1,492.47	72.46	21.596		
8,400.00	7,875.00	7,877.96	7,268.01	41.89	57.81	67.15	-2,909.47	830.73	1,568.09	1,494.18	73.91	21.217		
8,500.00	7,875.00	7,890.23	7,279.19	42.90	57.91	67.59	-2,914.33	832.18	1,579.50	1,502.24	77.26	20.444		
8,600.00	7,875.00	7,902.50	7,290.36	44.06	58.01	68.04	-2,919.19	833.63	1,597.01	1,516.21	80.80	19.764		
8,700.00	7,875.00	7,914.77	7,301.53	45.36	58.11	68.49	-2,924.05	835.08	1,620.42	1,536.00	84.43	19.193		
8,800.00	7,875.00	7,927.03	7,312.70	46.80	58.21	68.93	-2,928.91	836.53	1,649.48	1,561.45	88.03	18.737		
8,900.00	7,875.00	7,939.30	7,323.87	48.37	58.31	69.38	-2,933.78	837.98	1,683.90	1,592.35	91.55	18.394		
9,000.00	7,875.00	7,951.57	7,335.05	50.05	58.41	69.82	-2,938.64	839.43	1,723.35	1,628.44	94.91	18.158		

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 3AH
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 3AH	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		
9,100.00	7,875.00	7,963.84	7,346.22	51.83	58.51	70.27	-2,943.50	840.88	1,767.50	1,669.41	98.09	18.019		
9,200.00	7,875.00	7,976.11	7,357.39	53.70	58.60	70.71	-2,948.36	842.33	1,816.00	1,714.94	101.06	17.969		
9,300.00	7,875.00	7,988.38	7,368.56	55.65	58.70	71.16	-2,953.22	843.78	1,868.52	1,764.70	103.82	17.998		
9,400.00	7,875.00	7,988.29	7,368.47	57.66	58.70	71.15	-2,953.19	843.73	1,924.79	1,818.61	106.18	18.128		
9,500.00	7,875.00	7,991.82	7,371.70	59.74	58.73	71.28	-2,954.59	844.10	1,984.48	1,876.10	108.37	18.312		
9,600.00	7,875.00	8,000.00	7,379.16	61.88	58.79	71.58	-2,957.84	844.87	2,047.31	1,936.89	110.42	18.540		
9,700.00	7,875.00	8,000.00	7,379.16	64.06	58.79	71.58	-2,957.84	844.87	2,112.96	2,000.80	112.16	18.839		
9,800.00	7,875.00	8,000.00	7,379.16	66.28	58.79	71.58	-2,957.84	844.87	2,181.23	2,067.51	113.72	19.181		
9,900.00	7,875.00	8,000.00	7,379.16	68.54	58.79	71.58	-2,957.84	844.87	2,251.86	2,136.76	115.11	19.563		
10,000.00	7,875.00	8,000.00	7,379.16	70.84	58.79	71.58	-2,957.84	844.87	2,324.65	2,208.31	116.34	19.981		
10,100.00	7,875.00	8,000.00	7,379.16	73.16	58.79	71.58	-2,957.84	844.87	2,399.41	2,281.96	117.45	20.429		
10,200.00	7,875.00	8,000.00	7,379.16	75.51	58.79	71.58	-2,957.84	844.87	2,475.94	2,357.51	118.43	20.906		
10,300.00	7,875.00	8,000.00	7,379.16	77.89	58.79	71.58	-2,957.84	844.87	2,554.10	2,434.79	119.31	21.407		
10,400.00	7,875.00	8,000.00	7,379.16	80.29	58.79	71.58	-2,957.84	844.87	2,633.73	2,513.64	120.09	21.931		
10,500.00	7,875.00	8,000.00	7,379.16	82.70	58.79	71.58	-2,957.84	844.87	2,714.72	2,593.93	120.79	22.475		
10,600.00	7,875.00	8,000.00	7,379.16	85.14	58.79	71.58	-2,957.84	844.87	2,796.93	2,675.52	121.41	23.037		
10,700.00	7,875.00	8,000.00	7,379.16	87.59	58.79	71.58	-2,957.84	844.87	2,880.27	2,758.31	121.96	23.616		
10,800.00	7,875.00	8,000.00	7,379.16	90.06	58.79	71.58	-2,957.84	844.87	2,964.64	2,842.18	122.46	24.210		
10,900.00	7,875.00	8,000.00	7,379.16	92.53	58.79	71.58	-2,957.84	844.87	3,049.95	2,927.06	122.90	24.817		
11,000.00	7,875.00	8,000.00	7,379.16	95.03	58.79	71.58	-2,957.84	844.87	3,136.14	3,012.84	123.29	25.436		
11,100.00	7,875.00	8,020.28	7,397.72	97.53	58.95	72.31	-2,965.91	846.28	3,222.74	3,098.73	124.01	25.988		
11,200.00	7,875.00	8,021.20	7,398.56	100.04	58.96	72.34	-2,966.28	846.32	3,310.42	3,186.08	124.34	26.624		
11,300.00	7,875.00	8,022.07	7,399.35	102.57	58.96	72.38	-2,966.62	846.37	3,398.78	3,274.13	124.64	27.268		
11,400.00	7,875.00	8,022.89	7,400.11	105.10	58.97	72.41	-2,966.95	846.41	3,487.76	3,362.85	124.91	27.921		
11,500.00	7,875.00	8,023.67	7,400.82	107.64	58.97	72.43	-2,967.26	846.44	3,577.33	3,452.17	125.16	28.583		
11,600.00	7,875.00	8,024.41	7,401.50	110.19	58.98	72.46	-2,967.56	846.48	3,667.44	3,542.06	125.38	29.251		
11,700.00	7,875.00	8,025.11	7,402.14	112.74	58.99	72.49	-2,967.84	846.51	3,758.04	3,632.46	125.58	29.926		
11,800.00	7,875.00	8,025.78	7,402.75	115.31	58.99	72.51	-2,968.10	846.54	3,849.11	3,723.35	125.76	30.607		
11,900.00	7,875.00	8,026.42	7,403.33	117.87	59.00	72.53	-2,968.36	846.56	3,940.61	3,814.69	125.92	31.294		
12,000.00	7,875.00	8,027.02	7,403.89	120.45	59.00	72.56	-2,968.60	846.59	4,032.52	3,906.45	126.07	31.987		
12,100.00	7,875.00	8,027.60	7,404.42	123.03	59.00	72.58	-2,968.83	846.61	4,124.80	3,998.60	126.20	32.684		
12,200.00	7,875.00	8,028.15	7,404.93	125.61	59.01	72.60	-2,969.05	846.63	4,217.43	4,091.11	126.33	33.386		
12,300.00	7,875.00	8,028.68	7,405.41	128.20	59.01	72.62	-2,969.26	846.65	4,310.39	4,183.96	126.44	34.091		
12,400.00	7,875.00	8,050.00	7,424.95	130.79	59.18	73.39	-2,977.77	847.05	4,404.06	4,277.16	126.91	34.703		
12,500.00	7,875.00	8,050.00	7,424.95	133.39	59.18	73.39	-2,977.77	847.05	4,497.60	4,370.61	126.99	35.417		
12,600.00	7,875.00	8,050.00	7,424.95	135.99	59.18	73.39	-2,977.77	847.05	4,591.41	4,464.35	127.07	36.134		
12,700.00	7,875.00	8,050.00	7,424.95	138.60	59.18	73.39	-2,977.77	847.05	4,685.48	4,558.35	127.14	36.854		
12,800.00	7,875.00	8,050.00	7,424.95	141.21	59.18	73.39	-2,977.77	847.05	4,779.79	4,652.59	127.20	37.577		
12,900.00	7,875.00	8,050.00	7,424.95	143.82	59.18	73.39	-2,977.77	847.05	4,874.32	4,747.07	127.26	38.303		
13,000.00	7,875.00	8,050.00	7,424.95	146.43	59.18	73.39	-2,977.77	847.05	4,969.07	4,841.76	127.31	39.031		
13,100.00	7,875.00	8,050.00	7,424.95	149.05	59.18	73.39	-2,977.77	847.05	5,064.02	4,936.67	127.36	39.762		
13,200.00	7,875.00	8,050.00	7,424.95	151.67	59.18	73.39	-2,977.77	847.05	5,159.17	5,031.76	127.40	40.495		
13,300.00	7,875.00	8,050.00	7,424.95	154.30	59.18	73.39	-2,977.77	847.05	5,254.49	5,127.04	127.44	41.230		
13,400.00	7,875.00	8,050.00	7,424.95	156.92	59.18	73.39	-2,977.77	847.05	5,349.98	5,222.50	127.48	41.966		
13,500.00	7,875.00	8,050.00	7,424.95	159.55	59.18	73.39	-2,977.77	847.05	5,445.64	5,318.12	127.52	42.705		
13,600.00	7,875.00	8,050.00	7,424.95	162.18	59.18	73.39	-2,977.77	847.05	5,541.44	5,413.90	127.55	43.445		
13,700.00	7,875.00	8,050.00	7,424.95	164.81	59.18	73.39	-2,977.77	847.05	5,637.40	5,509.82	127.58	44.187		
13,800.00	7,875.00	8,050.00	7,424.95	167.45	59.18	73.39	-2,977.77	847.05	5,733.49	5,605.88	127.61	44.930		
13,900.00	7,875.00	8,050.00	7,424.95	170.08	59.18	73.39	-2,977.77	847.05	5,829.71	5,702.08	127.63	45.675		
14,000.00	7,875.00	8,050.00	7,424.95	172.72	59.18	73.39	-2,977.77	847.05	5,926.06	5,798.40	127.66	46.421		
14,100.00	7,875.00	8,050.00	7,424.95	175.36	59.18	73.39	-2,977.77	847.05	6,022.53	5,894.85	127.68	47.168		
14,200.00	7,875.00	8,050.00	7,424.95	178.00	59.18	73.39	-2,977.77	847.05	6,119.11	5,991.41	127.71	47.916		

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 3AH
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 3AH	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						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	7,875.00	8,050.00	7,424.95	180.65	59.18	73.39	-2,977.77	847.05	6,215.80	6,088.07	127.73	48.665	
14,400.00	7,875.00	8,050.00	7,424.95	183.29	59.18	73.39	-2,977.77	847.05	6,312.59	6,184.85	127.75	49.415	
14,500.00	7,875.00	8,050.00	7,424.95	185.94	59.18	73.39	-2,977.77	847.05	6,409.48	6,281.72	127.77	50.166	
14,600.00	7,875.00	8,050.00	7,424.95	188.59	59.18	73.39	-2,977.77	847.05	6,506.47	6,378.68	127.78	50.917	
14,700.00	7,875.00	8,050.00	7,424.95	191.23	59.18	73.39	-2,977.77	847.05	6,603.54	6,475.74	127.80	51.670	
14,800.00	7,875.00	8,050.00	7,424.95	193.89	59.18	73.39	-2,977.77	847.05	6,700.70	6,572.88	127.82	52.423	
14,900.00	7,875.00	8,050.00	7,424.95	196.54	59.18	73.39	-2,977.77	847.05	6,797.95	6,670.11	127.84	53.176	
15,000.00	7,875.00	8,050.00	7,424.95	199.19	59.18	73.39	-2,977.77	847.05	6,895.27	6,767.41	127.86	53.930	
15,100.00	7,875.00	8,050.00	7,424.95	201.84	59.18	73.39	-2,977.77	847.05	6,992.67	6,864.80	127.87	54.685	
15,200.00	7,875.00	8,050.00	7,424.95	204.50	59.18	73.39	-2,977.77	847.05	7,090.14	6,962.25	127.89	55.440	
15,300.00	7,875.00	8,050.00	7,424.95	207.15	59.18	73.39	-2,977.77	847.05	7,187.68	7,059.77	127.91	56.195	
15,400.00	7,875.00	8,050.00	7,424.95	209.81	59.18	73.39	-2,977.77	847.05	7,285.28	7,157.36	127.92	56.951	
15,500.00	7,875.00	8,050.00	7,424.95	212.47	59.18	73.39	-2,977.77	847.05	7,382.95	7,255.02	127.94	57.707	
15,600.00	7,875.00	8,050.00	7,424.95	215.13	59.18	73.39	-2,977.77	847.05	7,480.69	7,352.73	127.95	58.464	
15,700.00	7,875.00	8,050.00	7,424.95	217.79	59.18	73.39	-2,977.77	847.05	7,578.48	7,450.51	127.97	59.220	
15,800.00	7,875.00	8,050.00	7,424.95	220.45	59.18	73.39	-2,977.77	847.05	7,676.33	7,548.34	127.99	59.977	
15,900.00	7,875.00	8,050.00	7,424.95	223.11	59.18	73.39	-2,977.77	847.05	7,774.23	7,646.22	128.00	60.734	
16,000.00	7,875.00	8,050.00	7,424.95	225.77	59.18	73.39	-2,977.77	847.05	7,872.18	7,744.16	128.02	61.491	
16,100.00	7,875.00	8,050.00	7,424.95	228.44	59.18	73.39	-2,977.77	847.05	7,970.19	7,842.15	128.04	62.248	
16,200.00	7,875.00	8,050.00	7,424.95	231.10	59.18	73.39	-2,977.77	847.05	8,068.25	7,940.19	128.06	63.006	
16,300.00	7,875.00	8,050.00	7,424.95	233.76	59.18	73.39	-2,977.77	847.05	8,166.35	8,038.27	128.07	63.763	
16,400.00	7,875.00	8,050.00	7,424.95	236.43	59.18	73.39	-2,977.77	847.05	8,264.50	8,136.40	128.09	64.520	
16,500.00	7,875.00	8,050.00	7,424.95	239.09	59.18	73.39	-2,977.77	847.05	8,362.69	8,234.58	128.11	65.277	
16,600.00	7,875.00	8,050.00	7,424.95	241.76	59.18	73.39	-2,977.77	847.05	8,460.92	8,332.79	128.13	66.034	
16,700.00	7,875.00	8,050.00	7,424.95	244.43	59.18	73.39	-2,977.77	847.05	8,559.20	8,431.05	128.15	66.792	
16,800.00	7,875.00	8,050.00	7,424.95	247.10	59.18	73.39	-2,977.77	847.05	8,657.51	8,529.34	128.17	67.548	
16,900.00	7,875.00	8,050.00	7,424.95	249.76	59.18	73.39	-2,977.77	847.05	8,755.86	8,627.68	128.19	68.305	
17,000.00	7,875.00	8,050.00	7,424.95	252.43	59.18	73.39	-2,977.77	847.05	8,854.25	8,726.05	128.21	69.062	
17,100.00	7,875.00	8,050.00	7,424.95	255.10	59.18	73.39	-2,977.77	847.05	8,952.68	8,824.45	128.23	69.819	
17,200.00	7,875.00	8,050.00	7,424.95	257.77	59.18	73.39	-2,977.77	847.05	9,051.14	8,922.89	128.25	70.575	
17,300.00	7,875.00	8,050.00	7,424.95	260.44	59.18	73.39	-2,977.77	847.05	9,149.63	9,021.36	128.27	71.331	
17,400.00	7,875.00	8,050.00	7,424.95	263.11	59.18	73.39	-2,977.77	847.05	9,248.16	9,119.87	128.29	72.087	
17,500.00	7,875.00	8,050.00	7,424.95	265.79	59.18	73.39	-2,977.77	847.05	9,346.71	9,218.40	128.31	72.842	
17,600.00	7,875.00	8,050.00	7,424.95	268.46	59.18	73.39	-2,977.77	847.05	9,445.30	9,316.96	128.34	73.598	
17,700.00	7,875.00	8,050.00	7,424.95	271.13	59.18	73.39	-2,977.77	847.05	9,543.92	9,415.56	128.36	74.353	
17,800.00	7,875.00	8,050.00	7,424.95	273.80	59.18	73.39	-2,977.77	847.05	9,642.56	9,514.18	128.38	75.107	
17,900.00	7,875.00	8,050.00	7,424.95	276.48	59.18	73.39	-2,977.77	847.05	9,741.24	9,612.83	128.41	75.862	
18,000.00	7,875.00	8,050.00	7,424.95	279.15	59.18	73.39	-2,977.77	847.05	9,839.94	9,711.50	128.43	76.616	
18,100.00	7,875.00	8,050.00	7,424.95	281.82	59.18	73.39	-2,977.77	847.05	9,938.66	9,810.20	128.46	77.369	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3AH
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 3AH	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	-0.11	149.71	-0.28	149.71					
100.00	100.00	105.20	105.20	0.13	0.15	-0.11	149.71	-0.28	149.71	149.43	0.29	520.755		
200.00	200.00	205.20	205.20	0.49	0.51	-0.11	149.71	-0.28	149.71	148.71	1.00	149.053		
206.40	206.40	211.60	211.60	0.52	0.53	-0.11	149.71	-0.28	149.71	148.66	1.05	142.542 CC		
250.00	250.00	254.95	254.95	0.67	0.69	-0.11	149.72	-0.28	149.72	148.36	1.36	109.920 ES		
300.00	300.00	302.58	302.58	0.84	0.86	-165.21	150.17	-0.13	150.62	148.91	1.71	88.278		
400.00	399.93	397.51	397.45	1.19	1.20	-165.10	153.32	0.91	157.30	154.90	2.40	65.611		
500.00	499.68	491.54	491.25	1.54	1.55	-164.92	159.37	2.92	170.46	167.35	3.10	54.954		
600.00	599.13	584.08	583.32	1.92	1.89	-164.70	168.18	5.84	189.99	186.18	3.80	49.937		
700.00	698.15	674.60	673.05	2.31	2.24	-164.45	179.53	9.60	215.76	211.25	4.50	47.940		
800.00	796.63	766.36	763.64	2.74	2.62	-164.22	193.37	14.19	247.21	242.01	5.20	47.533		
833.76	829.73	801.87	794.98	2.89	2.77	-164.18	198.27	15.81	258.66	253.20	5.46	47.360		
900.00	894.60	860.31	856.34	3.20	3.01	-164.25	207.85	18.99	281.47	275.56	5.91	47.609		
1,000.00	992.53	954.19	948.98	3.67	3.41	-164.34	222.32	23.78	315.90	309.29	6.61	47.765		
1,100.00	1,090.46	1,048.08	1,041.62	4.14	3.81	-164.41	236.79	28.58	350.34	343.02	7.32	47.867		
1,200.00	1,188.39	1,141.96	1,134.25	4.62	4.22	-164.46	251.26	33.38	384.78	376.75	8.03	47.908		
1,300.00	1,286.32	1,235.84	1,226.89	5.11	4.63	-164.51	265.73	38.17	419.22	410.47	8.75	47.925		
1,400.00	1,384.25	1,329.72	1,319.53	5.60	5.03	-164.55	280.20	42.97	453.66	444.19	9.47	47.927		
1,500.00	1,482.18	1,423.61	1,412.16	6.09	5.44	-164.58	294.67	47.76	488.09	477.91	10.19	47.918		
1,600.00	1,580.12	1,517.49	1,504.80	6.58	5.85	-164.61	309.14	52.56	522.53	511.62	10.91	47.903		
1,700.00	1,678.05	1,611.37	1,597.44	7.07	6.27	-164.64	323.61	57.35	556.97	545.34	11.63	47.884		
1,800.00	1,775.98	1,705.25	1,690.07	7.57	6.68	-164.66	338.08	62.15	591.41	579.05	12.36	47.863		
1,900.00	1,873.91	1,800.86	1,782.71	8.06	7.10	-164.68	352.55	66.95	625.85	612.76	13.09	47.816		
2,000.00	1,971.84	1,906.98	1,875.35	8.55	7.57	-164.70	367.02	71.74	660.29	646.43	13.86	47.633		
2,100.00	2,069.77	1,986.90	1,967.99	9.05	7.92	-164.72	381.49	76.54	694.73	680.19	14.54	47.794		
2,200.00	2,167.70	2,080.78	2,060.62	9.55	8.33	-164.73	395.95	81.33	729.17	713.90	15.26	47.771		
2,300.00	2,265.63	2,174.67	2,153.26	10.04	8.75	-164.75	410.42	86.13	763.60	747.61	15.99	47.749		
2,400.00	2,363.56	2,268.55	2,245.90	10.54	9.16	-164.76	424.89	90.92	798.04	781.32	16.72	47.727		
2,500.00	2,461.49	2,362.43	2,338.53	11.04	9.57	-164.77	439.36	95.72	832.48	815.03	17.45	47.706		
2,600.00	2,559.43	2,456.31	2,431.17	11.54	9.99	-164.78	453.83	100.52	866.92	848.74	18.18	47.685		
2,700.00	2,657.36	2,550.20	2,523.81	12.03	10.40	-164.79	468.30	105.31	901.36	882.45	18.91	47.665		
2,800.00	2,755.29	2,644.08	2,616.44	12.53	10.82	-164.80	482.77	110.11	935.80	916.16	19.64	47.646		
2,900.00	2,853.22	2,737.96	2,709.08	13.03	11.23	-164.81	497.24	114.90	970.24	949.87	20.37	47.628		
3,000.00	2,951.15	2,831.84	2,801.72	13.53	11.65	-164.82	511.71	119.70	1,004.68	983.58	21.10	47.610		
3,100.00	3,049.08	2,925.73	2,894.35	14.03	12.06	-164.82	526.18	124.49	1,039.12	1,017.28	21.83	47.593		
3,200.00	3,147.01	3,019.61	2,986.99	14.52	12.48	-164.83	540.65	129.29	1,073.56	1,050.99	22.56	47.576		
3,300.00	3,244.94	3,113.49	3,079.63	15.02	12.90	-164.84	555.12	134.09	1,108.00	1,084.70	23.30	47.560		
3,400.00	3,342.87	3,207.37	3,172.26	15.52	13.31	-164.84	569.59	138.88	1,142.43	1,118.41	24.03	47.545		
3,500.00	3,440.80	3,301.26	3,264.90	16.02	13.73	-164.85	584.06	143.68	1,176.87	1,152.11	24.76	47.530		
3,600.00	3,538.74	3,404.86	3,357.54	16.52	14.19	-164.85	598.53	148.47	1,211.31	1,185.78	25.53	47.446		
3,700.00	3,636.67	3,489.02	3,450.17	17.02	14.56	-164.86	613.00	153.27	1,245.75	1,219.53	26.23	47.502		
3,800.00	3,734.60	3,582.90	3,542.81	17.52	14.97	-164.86	627.47	158.07	1,280.19	1,253.23	26.96	47.488		
3,900.00	3,832.53	3,676.79	3,635.45	18.02	15.39	-164.87	641.93	162.86	1,314.63	1,286.94	27.69	47.475		
4,000.00	3,930.46	3,770.67	3,728.08	18.52	15.80	-164.87	656.40	167.66	1,349.07	1,320.65	28.42	47.462		
4,100.00	4,028.39	3,864.55	3,820.72	19.02	16.22	-164.88	670.87	172.45	1,383.51	1,354.35	29.16	47.450		
4,200.00	4,126.32	3,958.43	3,913.36	19.52	16.64	-164.88	685.34	177.25	1,417.95	1,388.06	29.89	47.438		
4,300.00	4,224.25	4,052.32	4,005.99	20.01	17.05	-164.88	699.81	182.04	1,452.39	1,421.76	30.62	47.427		
4,400.00	4,322.18	4,146.20	4,098.63	20.51	17.47	-164.89	714.28	186.84	1,486.83	1,455.47	31.36	47.415		
4,500.00	4,420.11	4,240.08	4,191.27	21.01	17.88	-164.89	728.75	191.64	1,521.27	1,489.18	32.09	47.404		
4,600.00	4,518.05	4,333.96	4,283.90	21.51	18.30	-164.89	743.22	196.43	1,555.71	1,522.88	32.83	47.393		
4,700.00	4,615.98	4,427.85	4,376.54	22.01	18.72	-164.90	757.69	201.23	1,590.15	1,556.59	33.56	47.383		
4,800.00	4,713.91	4,521.73	4,469.18	22.51	19.13	-164.90	772.16	206.02	1,624.58	1,590.29	34.29	47.373		

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 3AH
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 3AH	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	4,811.84	4,615.61	4,561.81	23.01	19.55	-164.90	786.63	210.82	1,659.02	1,624.00	35.03	47.363		
5,000.00	4,909.77	4,709.50	4,654.45	23.51	19.96	-164.90	801.10	215.61	1,693.46	1,657.70	35.76	47.353		
5,100.00	5,007.70	4,803.38	4,747.09	24.01	20.38	-164.91	815.57	220.41	1,727.90	1,691.41	36.50	47.343		
5,200.00	5,105.63	4,902.74	4,839.72	24.51	20.82	-164.91	830.04	225.21	1,762.34	1,725.09	37.25	47.307		
5,300.00	5,203.56	5,008.86	4,932.36	25.01	21.29	-164.91	844.51	230.00	1,796.78	1,758.75	38.04	47.240		
5,400.00	5,301.49	5,085.03	5,025.00	25.51	21.63	-164.91	858.98	234.80	1,831.22	1,792.52	38.70	47.316		
5,500.00	5,399.43	5,178.91	5,117.63	26.01	22.04	-164.92	873.45	239.59	1,865.66	1,826.22	39.44	47.307		
5,600.00	5,497.36	5,272.79	5,210.27	26.51	22.46	-164.92	887.91	244.39	1,900.10	1,859.93	40.17	47.298		
5,700.00	5,595.29	5,366.67	5,302.91	27.01	22.88	-164.92	902.38	249.18	1,934.54	1,893.63	40.91	47.290		
5,800.00	5,693.22	5,460.56	5,395.54	27.51	23.29	-164.92	916.85	253.98	1,968.98	1,927.33	41.64	47.281		
5,900.00	5,791.15	5,554.44	5,488.18	28.01	23.71	-164.92	931.32	258.78	2,003.42	1,961.04	42.38	47.273		
6,000.00	5,889.08	5,648.32	5,580.82	28.51	24.13	-164.93	945.79	263.57	2,037.86	1,994.74	43.12	47.265		
6,100.00	5,987.01	5,742.20	5,673.45	29.01	24.54	-164.93	960.26	268.37	2,072.30	2,028.44	43.85	47.256		
6,200.00	6,084.94	5,836.09	5,766.09	29.51	24.96	-164.93	974.73	273.16	2,106.73	2,062.15	44.59	47.248		
6,300.00	6,182.87	5,929.97	5,858.73	30.01	25.37	-164.93	989.20	277.96	2,141.17	2,095.85	45.32	47.241		
6,400.00	6,280.80	6,023.85	5,951.36	30.51	25.79	-164.93	1,003.67	282.75	2,175.61	2,129.55	46.06	47.233		
6,500.00	6,378.74	6,117.73	6,044.00	31.01	26.21	-164.93	1,018.14	287.55	2,210.05	2,163.25	46.80	47.225		
6,600.00	6,476.67	6,211.62	6,136.64	31.51	26.62	-164.94	1,032.61	292.35	2,244.49	2,196.96	47.54	47.217		
6,700.00	6,574.60	6,305.50	6,229.28	32.01	27.04	-164.94	1,047.08	297.14	2,278.93	2,230.66	48.27	47.210		
6,800.00	6,672.53	6,400.62	6,321.91	32.51	27.46	-164.94	1,061.55	301.94	2,313.37	2,264.36	49.01	47.198		
6,900.00	6,770.46	6,506.74	6,414.55	33.01	27.93	-164.94	1,076.02	306.73	2,347.81	2,298.01	49.80	47.146		
7,000.00	6,868.39	6,587.15	6,507.19	33.51	28.29	-164.94	1,090.49	311.53	2,382.25	2,331.77	50.48	47.188		
7,100.00	6,966.32	6,681.03	6,599.82	34.01	28.70	-164.94	1,104.96	316.33	2,416.69	2,365.47	51.22	47.180		
7,200.00	7,064.25	6,774.91	6,692.46	34.51	29.12	-164.94	1,119.43	321.12	2,451.13	2,399.17	51.96	47.173		
7,300.00	7,162.18	6,868.79	6,785.10	35.01	29.54	-164.95	1,133.90	325.92	2,485.57	2,432.87	52.70	47.166		
7,400.00	7,260.11	6,962.68	6,877.73	35.51	29.95	-164.95	1,148.36	330.71	2,520.01	2,466.57	53.44	47.159		
7,485.17	7,343.52	7,042.63	6,956.63	35.94	30.31	-164.95	1,160.69	334.80	2,549.34	2,495.27	54.07	47.153		
7,500.00	7,358.03	7,056.56	6,970.37	36.01	30.37	-157.74	1,162.83	335.51	2,554.45	2,500.27	54.18	47.151		
7,550.00	7,406.68	7,103.36	7,016.55	36.27	30.58	-137.97	1,170.05	337.90	2,571.63	2,517.08	54.55	47.141		
7,600.00	7,454.62	7,149.70	7,062.28	36.54	30.78	-124.58	1,177.19	340.27	2,588.68	2,533.74	54.94	47.122		
7,650.00	7,501.47	7,195.22	7,107.19	36.81	30.98	-115.45	1,184.20	342.59	2,605.50	2,550.18	55.32	47.097		
7,700.00	7,546.90	7,239.57	7,150.95	37.08	31.18	-108.93	1,191.04	344.86	2,622.02	2,566.31	55.71	47.066		
7,750.00	7,590.54	7,282.41	7,193.23	37.36	31.37	-104.04	1,197.64	347.05	2,638.19	2,582.09	56.10	47.029		
7,800.00	7,632.07	7,323.42	7,233.69	37.65	31.55	-100.23	1,203.96	349.14	2,653.97	2,597.49	56.48	46.986		
7,850.00	7,671.18	7,362.29	7,272.05	37.94	31.73	-97.17	1,209.95	351.13	2,669.35	2,612.48	56.87	46.936		
7,900.00	7,707.56	7,401.28	7,307.99	38.23	31.90	-94.64	1,215.57	352.99	2,684.31	2,627.04	57.27	46.868		
7,950.00	7,740.93	7,435.88	7,344.65	38.53	32.05	-92.55	1,221.29	354.94	2,698.85	2,641.16	57.68	46.787		
8,000.00	7,771.06	7,497.04	7,404.63	38.84	32.33	-91.19	1,230.61	362.18	2,712.76	2,654.44	58.32	46.515		
8,050.00	7,797.69	7,568.67	7,473.46	39.16	32.68	-90.24	1,241.17	378.81	2,725.79	2,666.69	59.09	46.126		
8,100.00	7,820.64	7,655.18	7,553.05	39.50	33.11	-89.70	1,253.22	410.27	2,737.72	2,677.67	60.05	45.590		
8,150.00	7,839.72	8,150.00	7,623.70	39.85	35.92	-89.27	1,263.72	451.63	2,748.24	2,684.73	63.51	43.271		
8,200.00	7,854.80	7,898.18	7,741.58	40.22	34.44	-89.79	1,280.72	558.14	2,756.93	2,694.06	62.87	43.849		
8,250.00	7,865.75	8,250.00	7,815.60	40.60	37.06	-89.92	1,290.72	673.26	2,763.12	2,696.34	66.78	41.377		
8,300.00	7,872.50	8,255.70	7,873.33	41.01	37.21	-90.06	1,296.81	883.88	2,766.23	2,698.21	68.02	40.667		
8,354.11	7,875.00	8,342.45	7,875.00	41.47	38.13	-89.89	1,295.85	970.59	2,766.65	2,696.75	69.90	39.580		
8,400.00	7,875.00	8,388.35	7,875.00	41.89	38.65	-89.89	1,295.20	1,016.48	2,766.53	2,695.38	71.15	38.881		
8,500.00	7,875.00	8,488.35	7,875.00	42.90	39.92	-89.89	1,293.79	1,116.47	2,766.27	2,692.14	74.12	37.320		
8,600.00	7,875.00	8,588.35	7,875.00	44.06	41.34	-89.89	1,292.39	1,216.46	2,766.00	2,688.65	77.35	35.758		
8,700.00	7,875.00	8,688.35	7,875.00	45.36	42.90	-89.89	1,290.98	1,316.45	2,765.73	2,684.92	80.81	34.223		
8,800.00	7,875.00	8,788.35	7,875.00	46.80	44.57	-89.89	1,289.57	1,416.44	2,765.47	2,680.99	84.48	32.736		
8,900.00	7,875.00	8,888.35	7,875.00	48.37	46.35	-89.89	1,288.16	1,516.43	2,765.20	2,676.88	88.32	31.309		
9,000.00	7,875.00	8,988.34	7,875.00	50.05	48.23	-89.89	1,286.75	1,616.42	2,764.94	2,672.62	92.32	29.951		

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 3AH
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 3AH	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	7,875.00	9,088.34	7,875.00	51.83	50.18	-89.89	1,285.35	1,716.41	2,764.67	2,668.22	96.45	28.665		
9,200.00	7,875.00	9,188.34	7,875.00	53.70	52.21	-89.89	1,283.94	1,816.40	2,764.40	2,663.71	100.70	27.453		
9,300.00	7,875.00	9,288.34	7,875.00	55.65	54.30	-89.89	1,282.53	1,916.39	2,764.14	2,659.08	105.05	26.312		
9,400.00	7,875.00	9,388.34	7,875.00	57.66	56.44	-89.89	1,281.12	2,016.38	2,763.87	2,654.37	109.50	25.241		
9,500.00	7,875.00	9,488.34	7,875.00	59.74	58.63	-89.89	1,279.71	2,116.37	2,763.60	2,649.58	114.03	24.236		
9,600.00	7,875.00	9,588.34	7,875.00	61.88	60.87	-89.89	1,278.31	2,216.36	2,763.34	2,644.71	118.63	23.294		
9,700.00	7,875.00	9,688.34	7,875.00	64.06	63.14	-89.89	1,276.90	2,316.35	2,763.07	2,639.78	123.29	22.410		
9,800.00	7,875.00	9,788.34	7,875.00	66.28	65.44	-89.89	1,275.49	2,416.34	2,762.81	2,634.79	128.02	21.582		
9,900.00	7,875.00	9,888.34	7,875.00	68.54	67.78	-89.89	1,274.08	2,516.33	2,762.54	2,629.75	132.79	20.804		
10,000.00	7,875.00	9,988.34	7,875.00	70.84	70.14	-89.89	1,272.67	2,616.32	2,762.27	2,624.67	137.61	20.074		
10,100.00	7,875.00	10,088.34	7,875.00	73.16	72.53	-89.89	1,271.26	2,716.31	2,762.01	2,619.54	142.47	19.387		
10,200.00	7,875.00	10,188.34	7,875.00	75.51	74.94	-89.89	1,269.86	2,816.30	2,761.74	2,614.38	147.36	18.741		
10,300.00	7,875.00	10,288.34	7,875.00	77.89	77.37	-89.89	1,268.45	2,916.29	2,761.48	2,609.18	152.29	18.133		
10,400.00	7,875.00	10,388.34	7,875.00	80.29	79.81	-89.89	1,267.04	3,016.27	2,761.21	2,603.96	157.25	17.559		
10,500.00	7,875.00	10,488.34	7,875.00	82.70	82.27	-89.89	1,265.63	3,116.26	2,760.94	2,598.70	162.24	17.018		
10,600.00	7,875.00	10,588.34	7,875.00	85.14	84.75	-89.89	1,264.22	3,216.25	2,760.68	2,593.43	167.25	16.506		
10,700.00	7,875.00	10,688.34	7,875.00	87.59	87.24	-89.89	1,262.82	3,316.24	2,760.41	2,588.12	172.29	16.022		
10,800.00	7,875.00	10,788.34	7,875.00	90.06	89.74	-89.89	1,261.41	3,416.23	2,760.15	2,582.80	177.34	15.564		
10,900.00	7,875.00	10,888.34	7,875.00	92.53	92.25	-89.89	1,260.00	3,516.22	2,759.88	2,577.46	182.42	15.129		
11,000.00	7,875.00	10,988.34	7,875.00	95.03	94.78	-89.89	1,258.59	3,616.21	2,759.61	2,572.10	187.51	14.717		
11,100.00	7,875.00	11,088.34	7,875.00	97.53	97.31	-89.89	1,257.18	3,716.20	2,759.35	2,566.73	192.62	14.325		
11,200.00	7,875.00	11,188.34	7,875.00	100.04	99.85	-89.89	1,255.78	3,816.19	2,759.08	2,561.34	197.74	13.953		
11,300.00	7,875.00	11,288.34	7,875.00	102.57	102.40	-89.89	1,254.37	3,916.18	2,758.81	2,555.93	202.88	13.598		
11,400.00	7,875.00	11,388.34	7,875.00	105.10	104.96	-89.89	1,252.96	4,016.17	2,758.55	2,550.52	208.03	13.260		
11,500.00	7,875.00	11,488.34	7,875.00	107.64	107.52	-89.89	1,251.55	4,116.16	2,758.28	2,545.09	213.19	12.938		
11,600.00	7,875.00	11,588.34	7,875.00	110.19	110.09	-89.89	1,250.14	4,216.15	2,758.02	2,539.65	218.37	12.630		
11,700.00	7,875.00	11,688.34	7,875.00	112.74	112.67	-89.89	1,248.74	4,316.14	2,757.75	2,534.20	223.55	12.336		
11,800.00	7,875.00	11,788.34	7,875.00	115.31	115.25	-89.89	1,247.33	4,416.13	2,757.48	2,528.74	228.74	12.055		
11,900.00	7,875.00	11,888.33	7,875.00	117.87	117.84	-89.89	1,245.92	4,516.12	2,757.22	2,523.27	233.94	11.786		
12,000.00	7,875.00	11,988.33	7,875.00	120.45	120.43	-89.89	1,244.51	4,616.11	2,756.95	2,517.80	239.15	11.528		
12,100.00	7,875.00	12,088.33	7,875.00	123.03	123.03	-89.89	1,243.10	4,716.10	2,756.69	2,512.31	244.37	11.281		
12,200.00	7,875.00	12,188.33	7,875.00	125.61	125.63	-89.89	1,241.69	4,816.09	2,756.42	2,506.82	249.60	11.044		
12,300.00	7,875.00	12,288.33	7,875.00	128.20	128.23	-89.89	1,240.29	4,916.08	2,756.15	2,501.32	254.83	10.816		
12,400.00	7,875.00	12,388.33	7,875.00	130.79	130.84	-89.89	1,238.88	5,016.07	2,755.89	2,495.82	260.07	10.597		
12,500.00	7,875.00	12,488.33	7,875.00	133.39	133.45	-89.89	1,237.47	5,116.06	2,755.62	2,490.31	265.31	10.386		
12,600.00	7,875.00	12,588.33	7,875.00	135.99	136.07	-89.89	1,236.06	5,216.05	2,755.35	2,484.79	270.56	10.184		
12,700.00	7,875.00	12,688.33	7,875.00	138.60	138.68	-89.89	1,234.65	5,316.04	2,755.09	2,479.27	275.82	9.989		
12,800.00	7,875.00	12,788.33	7,875.00	141.21	141.30	-89.89	1,233.25	5,416.03	2,754.82	2,473.74	281.08	9.801		
12,900.00	7,875.00	12,888.33	7,875.00	143.82	143.93	-89.89	1,231.84	5,516.02	2,754.56	2,468.21	286.34	9.620		
13,000.00	7,875.00	12,988.33	7,875.00	146.43	146.55	-89.89	1,230.43	5,616.01	2,754.29	2,462.68	291.61	9.445		
13,100.00	7,875.00	13,088.33	7,875.00	149.05	149.18	-89.89	1,229.02	5,716.00	2,754.02	2,457.14	296.89	9.276		
13,200.00	7,875.00	13,188.33	7,875.00	151.67	151.81	-89.89	1,227.61	5,815.99	2,753.76	2,451.59	302.17	9.113		
13,300.00	7,875.00	13,288.33	7,875.00	154.30	154.45	-89.89	1,226.21	5,915.98	2,753.49	2,446.04	307.45	8.956		
13,400.00	7,875.00	13,388.33	7,875.00	156.92	157.08	-89.89	1,224.80	6,015.97	2,753.23	2,440.49	312.74	8.804		
13,500.00	7,875.00	13,488.33	7,875.00	159.55	159.72	-89.89	1,223.39	6,115.96	2,752.96	2,434.93	318.02	8.656		
13,600.00	7,875.00	13,588.33	7,875.00	162.18	162.36	-89.89	1,221.98	6,215.95	2,752.69	2,429.38	323.32	8.514		
13,700.00	7,875.00	13,688.33	7,875.00	164.81	165.00	-89.89	1,220.57	6,315.94	2,752.43	2,423.81	328.61	8.376		
13,800.00	7,875.00	13,788.33	7,875.00	167.45	167.65	-89.89	1,219.17	6,415.93	2,752.16	2,418.25	333.91	8.242		
13,900.00	7,875.00	13,888.33	7,875.00	170.08	170.29	-89.89	1,217.76	6,515.92	2,751.90	2,412.68	339.21	8.113		
14,000.00	7,875.00	13,988.33	7,875.00	172.72	172.94	-89.89	1,216.35	6,615.91	2,751.63	2,407.11	344.52	7.987		
14,100.00	7,875.00	14,088.33	7,875.00	175.36	175.58	-89.89	1,214.94	6,715.90	2,751.36	2,401.54	349.83	7.865		
14,200.00	7,875.00	14,188.33	7,875.00	178.00	178.23	-89.89	1,213.53	6,815.88	2,751.10	2,395.96	355.14	7.747		

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 3AH
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 3AH	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	7,875.00	14,288.33	7,875.00	180.65	180.88	-89.89	1,212.12	6,915.87	2,750.83	2,390.38	360.45	7.632		
14,400.00	7,875.00	14,388.33	7,875.00	183.29	183.54	-89.89	1,210.72	7,015.86	2,750.56	2,384.80	365.76	7.520		
14,500.00	7,875.00	14,488.33	7,875.00	185.94	186.19	-89.89	1,209.31	7,115.85	2,750.30	2,379.22	371.08	7.412		
14,600.00	7,875.00	14,588.33	7,875.00	188.59	188.84	-89.89	1,207.90	7,215.84	2,750.03	2,373.63	376.40	7.306		
14,700.00	7,875.00	14,688.32	7,875.00	191.23	191.50	-89.89	1,206.49	7,315.83	2,749.77	2,368.05	381.72	7.204		
14,800.00	7,875.00	14,788.32	7,875.00	193.89	194.16	-89.89	1,205.08	7,415.82	2,749.50	2,362.46	387.04	7.104		
14,900.00	7,875.00	14,888.32	7,875.00	196.54	196.81	-89.89	1,203.68	7,515.81	2,749.23	2,356.87	392.36	7.007		
15,000.00	7,875.00	14,988.32	7,875.00	199.19	199.47	-89.89	1,202.27	7,615.80	2,748.97	2,351.28	397.69	6.912		
15,100.00	7,875.00	15,088.32	7,875.00	201.84	202.13	-89.89	1,200.86	7,715.79	2,748.70	2,345.68	403.02	6.820		
15,200.00	7,875.00	15,188.32	7,875.00	204.50	204.79	-89.89	1,199.45	7,815.78	2,748.44	2,340.09	408.35	6.731		
15,300.00	7,875.00	15,288.32	7,875.00	207.15	207.45	-89.89	1,198.04	7,915.77	2,748.17	2,334.49	413.68	6.643		
15,400.00	7,875.00	15,388.32	7,875.00	209.81	210.12	-89.89	1,196.64	8,015.76	2,747.90	2,328.89	419.01	6.558		
15,500.00	7,875.00	15,488.32	7,875.00	212.47	212.78	-89.89	1,195.23	8,115.75	2,747.64	2,323.29	424.35	6.475		
15,600.00	7,875.00	15,588.32	7,875.00	215.13	215.44	-89.89	1,193.82	8,215.74	2,747.37	2,317.69	429.68	6.394		
15,700.00	7,875.00	15,688.32	7,875.00	217.79	218.11	-89.89	1,192.41	8,315.73	2,747.10	2,312.09	435.02	6.315		
15,800.00	7,875.00	15,788.32	7,875.00	220.45	220.77	-89.89	1,191.00	8,415.72	2,746.84	2,306.48	440.36	6.238		
15,900.00	7,875.00	15,888.32	7,875.00	223.11	223.44	-89.89	1,189.60	8,515.71	2,746.57	2,300.88	445.70	6.162		
16,000.00	7,875.00	15,988.32	7,875.00	225.77	226.11	-89.89	1,188.19	8,615.70	2,746.31	2,295.27	451.04	6.089		
16,100.00	7,875.00	16,088.32	7,875.00	228.44	228.77	-89.89	1,186.78	8,715.69	2,746.04	2,289.66	456.38	6.017		
16,200.00	7,875.00	16,188.32	7,875.00	231.10	231.44	-89.89	1,185.37	8,815.68	2,745.77	2,284.05	461.72	5.947		
16,300.00	7,875.00	16,288.32	7,875.00	233.76	234.11	-89.89	1,183.96	8,915.67	2,745.51	2,278.44	467.06	5.878		
16,400.00	7,875.00	16,388.32	7,875.00	236.43	236.78	-89.89	1,182.55	9,015.66	2,745.24	2,272.83	472.41	5.811		
16,500.00	7,875.00	16,488.32	7,875.00	239.09	239.45	-89.89	1,181.15	9,115.65	2,744.98	2,267.22	477.75	5.746		
16,600.00	7,875.00	16,588.32	7,875.00	241.76	242.12	-89.89	1,179.74	9,215.64	2,744.71	2,261.61	483.10	5.681		
16,700.00	7,875.00	16,688.32	7,875.00	244.43	244.79	-89.89	1,178.33	9,315.63	2,744.44	2,255.99	488.45	5.619		
16,800.00	7,875.00	16,788.32	7,875.00	247.10	247.46	-89.89	1,176.92	9,415.62	2,744.18	2,250.38	493.80	5.557		
16,900.00	7,875.00	16,888.32	7,875.00	249.76	250.14	-89.89	1,175.51	9,515.61	2,743.91	2,244.76	499.15	5.497		
17,000.00	7,875.00	16,988.32	7,875.00	252.43	252.81	-89.89	1,174.11	9,615.60	2,743.65	2,239.15	504.50	5.438		
17,100.00	7,875.00	17,088.32	7,875.00	255.10	255.48	-89.89	1,172.70	9,715.59	2,743.38	2,233.53	509.85	5.381		
17,200.00	7,875.00	17,188.32	7,875.00	257.77	258.16	-89.89	1,171.29	9,815.58	2,743.11	2,227.91	515.20	5.324		
17,300.00	7,875.00	17,288.32	7,875.00	260.44	260.83	-89.89	1,169.88	9,915.57	2,742.85	2,222.29	520.55	5.269		
17,400.00	7,875.00	17,388.32	7,875.00	263.11	263.50	-89.89	1,168.47	10,015.56	2,742.58	2,216.67	525.91	5.215		
17,500.00	7,875.00	17,488.32	7,875.00	265.79	266.18	-89.89	1,167.07	10,115.55	2,742.31	2,211.05	531.26	5.162		
17,600.00	7,875.00	17,588.31	7,875.00	268.46	268.85	-89.89	1,165.66	10,215.54	2,742.05	2,205.43	536.62	5.110		
17,700.00	7,875.00	17,688.31	7,875.00	271.13	271.53	-89.89	1,164.25	10,315.53	2,741.78	2,199.81	541.97	5.059		
17,800.00	7,875.00	17,788.31	7,875.00	273.80	274.21	-89.89	1,162.84	10,415.52	2,741.52	2,194.19	547.33	5.009		
17,900.00	7,875.00	17,888.31	7,875.00	276.48	276.88	-89.89	1,161.43	10,515.50	2,741.25	2,188.56	552.69	4.960		
18,000.00	7,875.00	17,988.31	7,875.00	279.15	279.56	-89.89	1,160.03	10,615.49	2,740.98	2,182.94	558.04	4.912		
18,100.00	7,875.00	18,088.31	7,875.00	281.82	282.24	-89.89	1,158.62	10,715.48	2,740.72	2,177.32	563.40	4.865		
18,200.00	7,875.00	18,188.31	7,875.00	284.50	284.91	-89.89	1,157.21	10,815.47	2,740.45	2,171.69	568.76	4.818		
18,245.30	7,875.00	18,226.33	7,875.00	285.71	285.93	-89.89	1,156.67	10,853.49	2,740.34	2,169.36	570.98	4.799		
18,265.67	7,875.00	18,226.33	7,875.00	286.26	285.93	-89.89	1,156.67	10,853.49	2,740.42	2,168.94	571.48	4.795 SF		

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3AH
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 3AH	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	-0.16	99.81	-0.28	99.81					
100.00	100.00	104.30	104.30	0.13	0.15	-0.16	99.81	-0.28	99.81	99.53	0.28	351.111		
200.00	200.00	204.30	204.30	0.49	0.51	-0.16	99.81	-0.28	99.81	98.81	1.00	99.689		
250.00	250.00	254.30	254.30	0.67	0.69	-0.16	99.81	-0.28	99.81	98.45	1.36	73.407 CC, ES		
300.00	300.00	302.92	302.92	0.84	0.86	-165.16	100.17	0.05	100.60	98.90	1.71	58.974		
400.00	399.93	400.11	400.04	1.19	1.21	-164.35	102.72	2.36	106.61	104.21	2.40	44.396		
500.00	499.68	497.47	497.18	1.54	1.57	-163.05	107.60	6.77	118.40	115.28	3.11	38.018		
600.00	599.13	603.79	595.64	1.92	1.95	-162.19	113.10	11.75	134.11	130.25	3.86	34.720		
700.00	698.15	694.38	693.53	2.31	2.29	-161.88	118.57	16.71	153.11	148.55	4.56	33.578		
800.00	796.63	808.13	790.74	2.74	2.72	-161.96	124.01	21.62	175.36	170.02	5.35	32.791		
833.76	829.73	824.61	823.39	2.89	2.78	-162.05	125.83	23.28	183.61	178.07	5.54	33.142		
900.00	894.60	888.74	887.34	3.20	3.02	-162.32	129.41	26.51	200.14	194.12	6.02	33.264		
1,000.00	992.53	985.57	983.89	3.67	3.38	-162.66	134.81	31.40	225.10	218.37	6.74	33.411		
1,100.00	1,090.46	1,082.39	1,080.44	4.14	3.74	-162.93	140.20	36.28	250.08	242.61	7.46	33.511		
1,200.00	1,188.39	1,179.22	1,176.99	4.62	4.11	-163.16	145.60	41.17	275.05	266.86	8.19	33.582		
1,300.00	1,286.32	1,276.04	1,273.55	5.11	4.47	-163.34	151.00	46.06	300.03	291.11	8.92	33.633		
1,400.00	1,384.25	1,372.87	1,370.10	5.60	4.84	-163.50	156.40	50.94	325.01	315.36	9.65	33.671		
1,500.00	1,482.18	1,469.69	1,466.65	6.09	5.20	-163.63	161.79	55.83	350.00	339.61	10.39	33.700		
1,600.00	1,580.12	1,566.52	1,563.20	6.58	5.57	-163.75	167.19	60.71	374.98	363.86	11.12	33.722		
1,700.00	1,678.05	1,663.35	1,659.75	7.07	5.93	-163.85	172.59	65.60	399.97	388.12	11.85	33.739		
1,800.00	1,775.98	1,760.17	1,756.30	7.57	6.30	-163.94	177.99	70.49	424.96	412.37	12.59	33.752		
1,900.00	1,873.91	1,857.00	1,852.86	8.06	6.66	-164.02	183.38	75.37	449.95	436.62	13.33	33.762		
2,000.00	1,971.84	1,953.82	1,949.41	8.55	7.03	-164.09	188.78	80.26	474.94	460.87	14.06	33.770		
2,100.00	2,069.77	2,050.65	2,045.96	9.05	7.39	-164.16	194.18	85.14	499.93	485.13	14.80	33.776		
2,200.00	2,167.70	2,147.47	2,142.51	9.55	7.76	-164.22	199.58	90.03	524.92	509.38	15.54	33.781		
2,300.00	2,265.63	2,244.30	2,239.06	10.04	8.12	-164.27	204.97	94.92	549.91	533.63	16.28	33.784		
2,400.00	2,363.56	2,341.13	2,335.61	10.54	8.49	-164.32	210.37	99.80	574.90	557.88	17.02	33.787		
2,500.00	2,461.49	2,437.95	2,432.16	11.04	8.85	-164.36	215.77	104.69	599.89	582.14	17.75	33.789		
2,600.00	2,559.43	2,534.78	2,528.72	11.54	9.22	-164.40	221.17	109.57	624.88	606.39	18.49	33.791		
2,700.00	2,657.36	2,631.60	2,625.27	12.03	9.58	-164.44	226.56	114.46	649.88	630.65	19.23	33.792		
2,800.00	2,755.29	2,728.43	2,721.82	12.53	9.95	-164.48	231.96	119.34	674.87	654.90	19.97	33.793		
2,900.00	2,853.22	2,825.25	2,818.37	13.03	10.31	-164.51	237.36	124.23	699.86	679.15	20.71	33.793		
3,000.00	2,951.15	2,922.08	2,914.92	13.53	10.68	-164.54	242.76	129.12	724.86	703.41	21.45	33.793		
3,100.00	3,049.08	3,018.91	3,011.47	14.03	11.04	-164.57	248.15	134.00	749.85	727.66	22.19	33.793		
3,200.00	3,147.01	3,115.73	3,108.03	14.52	11.41	-164.59	253.55	138.89	774.84	751.91	22.93	33.793		
3,300.00	3,244.94	3,212.56	3,204.58	15.02	11.77	-164.62	258.95	143.77	799.84	776.17	23.67	33.792		
3,400.00	3,342.87	3,309.38	3,301.13	15.52	12.14	-164.64	264.35	148.66	824.83	800.42	24.41	33.792		
3,500.00	3,440.80	3,406.21	3,397.68	16.02	12.50	-164.66	269.74	153.55	849.82	824.67	25.15	33.791		
3,600.00	3,538.74	3,503.03	3,494.23	16.52	12.87	-164.68	275.14	158.43	874.82	848.93	25.89	33.790		
3,700.00	3,636.67	3,600.14	3,590.78	17.02	13.23	-164.70	280.54	163.32	899.81	873.18	26.63	33.788		
3,800.00	3,734.60	3,703.31	3,687.34	17.52	13.62	-164.72	285.94	168.20	924.81	897.41	27.39	33.758		
3,900.00	3,832.53	3,806.49	3,783.89	18.02	14.01	-164.74	291.33	173.09	949.80	921.64	28.16	33.730		
4,000.00	3,930.46	3,909.66	3,880.44	18.52	14.40	-164.75	296.73	177.98	974.79	945.87	28.92	33.703		
4,100.00	4,028.39	3,987.16	3,976.99	19.02	14.69	-164.77	302.13	182.86	999.79	970.20	29.59	33.785		
4,200.00	4,126.32	4,083.99	4,073.54	19.52	15.06	-164.79	307.53	187.75	1,024.78	994.45	30.33	33.784		
4,300.00	4,224.25	4,180.81	4,170.09	20.01	15.43	-164.80	312.92	192.63	1,049.78	1,018.70	31.07	33.783		
4,400.00	4,322.18	4,277.64	4,266.64	20.51	15.79	-164.81	318.32	197.52	1,074.77	1,042.96	31.82	33.782		
4,500.00	4,420.11	4,374.47	4,363.20	21.01	16.16	-164.83	323.72	202.40	1,099.77	1,067.21	32.56	33.781		
4,600.00	4,518.05	4,471.29	4,459.75	21.51	16.52	-164.84	329.12	207.29	1,124.76	1,091.46	33.30	33.779		
4,700.00	4,615.98	4,568.12	4,556.30	22.01	16.89	-164.85	334.51	212.18	1,149.76	1,115.72	34.04	33.778		
4,800.00	4,713.91	4,664.94	4,652.85	22.51	17.25	-164.86	339.91	217.06	1,174.75	1,139.97	34.78	33.777		
4,900.00	4,811.84	4,761.77	4,749.40	23.01	17.62	-164.87	345.31	221.95	1,199.75	1,164.22	35.52	33.775		

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 3AH
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 3AH	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	4,909.77	4,858.59	4,845.95	23.51	17.98	-164.88	350.71	226.83	1,224.74	1,188.48	36.26	33.774		
5,100.00	5,007.70	4,955.42	4,942.51	24.01	18.35	-164.89	356.10	231.72	1,249.74	1,212.73	37.00	33.773		
5,200.00	5,105.63	5,052.24	5,039.06	24.51	18.71	-164.90	361.50	236.61	1,274.73	1,236.98	37.75	33.771		
5,300.00	5,203.56	5,149.07	5,135.61	25.01	19.08	-164.91	366.90	241.49	1,299.73	1,261.24	38.49	33.770		
5,400.00	5,301.49	5,245.90	5,232.16	25.51	19.44	-164.92	372.30	246.38	1,324.72	1,285.49	39.23	33.768		
5,500.00	5,399.43	5,342.72	5,328.71	26.01	19.81	-164.93	377.69	251.26	1,349.72	1,309.74	39.97	33.767		
5,600.00	5,497.36	5,439.55	5,425.26	26.51	20.17	-164.94	383.09	256.15	1,374.71	1,334.00	40.71	33.766		
5,700.00	5,595.29	5,536.37	5,521.81	27.01	20.54	-164.95	388.49	261.04	1,399.71	1,358.25	41.46	33.764		
5,800.00	5,693.22	5,633.20	5,618.37	27.51	20.91	-164.95	393.89	265.92	1,424.70	1,382.50	42.20	33.763		
5,900.00	5,791.15	5,730.02	5,714.92	28.01	21.27	-164.96	399.29	270.81	1,449.70	1,406.76	42.94	33.761		
6,000.00	5,889.08	5,826.85	5,811.47	28.51	21.64	-164.97	404.68	275.69	1,474.69	1,431.01	43.68	33.760		
6,100.00	5,987.01	5,923.68	5,908.02	29.01	22.00	-164.97	410.08	280.58	1,499.69	1,455.26	44.42	33.758		
6,200.00	6,084.94	6,020.50	6,004.57	29.51	22.37	-164.98	415.48	285.47	1,524.68	1,479.52	45.17	33.757		
6,300.00	6,182.87	6,117.33	6,101.12	30.01	22.73	-164.99	420.88	290.35	1,549.68	1,503.77	45.91	33.755		
6,400.00	6,280.80	6,214.15	6,197.68	30.51	23.10	-164.99	426.27	295.24	1,574.67	1,528.02	46.65	33.754		
6,500.00	6,378.74	6,310.98	6,294.23	31.01	23.46	-165.00	431.67	300.12	1,599.67	1,552.27	47.39	33.752		
6,600.00	6,476.67	6,407.80	6,390.78	31.51	23.83	-165.01	437.07	305.01	1,624.66	1,576.53	48.14	33.751		
6,700.00	6,574.60	6,504.63	6,487.33	32.01	24.19	-165.01	442.47	309.89	1,649.66	1,600.78	48.88	33.749		
6,800.00	6,672.53	6,601.46	6,583.88	32.51	24.56	-165.02	447.86	314.78	1,674.65	1,625.03	49.62	33.747		
6,900.00	6,770.46	6,701.72	6,680.43	33.01	24.94	-165.02	453.26	319.67	1,699.65	1,649.27	50.38	33.737		
7,000.00	6,868.39	6,804.89	6,776.99	33.51	25.33	-165.03	458.66	324.55	1,724.64	1,673.50	51.15	33.720		
7,100.00	6,966.32	6,891.93	6,873.54	34.01	25.66	-165.03	464.06	329.44	1,749.64	1,697.79	51.85	33.743		
7,200.00	7,064.25	6,988.76	6,970.09	34.51	26.02	-165.04	469.45	334.32	1,774.63	1,722.04	52.60	33.741		
7,300.00	7,162.18	7,085.58	7,066.64	35.01	26.39	-165.04	474.85	339.21	1,799.63	1,746.29	53.34	33.740		
7,400.00	7,260.11	7,182.41	7,163.19	35.51	26.75	-165.05	480.25	344.10	1,824.63	1,770.54	54.08	33.738		
7,485.17	7,343.52	7,264.87	7,245.42	35.94	27.06	-165.05	484.84	348.26	1,845.91	1,791.20	54.72	33.737		
7,500.00	7,358.03	7,279.23	7,259.74	36.01	27.12	-158.00	485.65	348.98	1,849.62	1,794.80	54.83	33.736		
7,550.00	7,406.68	7,327.50	7,307.88	36.27	27.30	-138.80	488.34	351.42	1,862.10	1,806.90	55.20	33.733		
7,600.00	7,454.62	7,375.29	7,355.52	36.54	27.48	-126.01	491.00	353.83	1,874.51	1,818.93	55.58	33.727		
7,650.00	7,501.47	7,422.22	7,402.32	36.81	27.66	-117.49	493.62	356.20	1,886.81	1,830.85	55.96	33.720		
7,700.00	7,546.90	7,474.56	7,454.36	37.08	27.86	-111.59	496.50	360.87	1,898.90	1,842.51	56.38	33.678		
7,750.00	7,590.54	7,529.20	7,507.99	37.36	28.09	-107.27	499.39	370.77	1,910.62	1,853.77	56.86	33.604		
7,800.00	7,632.07	7,568.81	7,562.31	37.65	28.34	-103.98	502.25	386.38	1,921.89	1,864.51	57.38	33.496		
7,850.00	7,671.18	7,644.51	7,616.73	37.94	28.62	-101.39	505.02	408.15	1,932.58	1,874.63	57.95	33.349		
7,900.00	7,707.56	7,705.44	7,670.55	38.23	28.93	-99.32	507.67	436.52	1,942.61	1,884.03	58.59	33.158		
7,950.00	7,740.93	7,768.66	7,722.90	38.53	29.28	-97.64	510.14	471.82	1,951.88	1,892.57	59.30	32.915		
8,000.00	7,771.06	7,834.16	7,772.70	38.84	29.68	-96.28	512.36	514.25	1,960.27	1,900.17	60.11	32.614		
8,050.00	7,797.69	7,901.87	7,818.76	39.16	30.13	-95.16	514.27	563.79	1,967.71	1,906.69	61.02	32.248		
8,100.00	7,820.64	7,971.61	7,859.77	39.50	30.67	-94.25	515.80	620.12	1,974.10	1,912.03	62.07	31.805		
8,150.00	7,839.72	8,043.06	7,894.38	39.85	31.29	-93.52	516.88	682.57	1,979.35	1,916.10	63.26	31.290		
8,200.00	7,854.80	8,115.83	7,921.39	40.22	32.02	-92.94	517.45	750.09	1,983.41	1,918.81	64.61	30.701		
8,250.00	7,865.75	8,189.41	7,939.79	40.60	32.84	-92.50	517.49	821.28	1,986.23	1,920.13	66.10	30.050		
8,300.00	7,872.50	8,263.22	7,948.96	41.01	33.75	-92.19	516.98	894.46	1,987.77	1,920.06	67.71	29.356		
8,354.11	7,875.00	8,328.41	7,950.00	41.47	34.61	-92.04	516.12	959.62	1,988.10	1,918.77	69.33	28.675		
8,400.00	7,875.00	8,374.30	7,950.00	41.89	35.25	-92.04	515.48	1,005.51	1,987.98	1,917.38	70.60	28.157		
8,500.00	7,875.00	8,474.30	7,950.00	42.90	36.75	-92.04	514.07	1,105.50	1,987.71	1,914.13	73.58	27.013		
8,600.00	7,875.00	8,574.30	7,950.00	44.06	38.38	-92.04	512.66	1,205.49	1,987.45	1,910.62	76.83	25.868		
8,700.00	7,875.00	8,674.30	7,950.00	45.36	40.13	-92.04	511.25	1,305.48	1,987.18	1,906.88	80.30	24.746		
8,800.00	7,875.00	8,774.30	7,950.00	46.80	41.98	-92.04	509.84	1,405.47	1,986.91	1,902.93	83.98	23.659		
8,900.00	7,875.00	8,874.30	7,950.00	48.37	43.91	-92.04	508.43	1,505.46	1,986.65	1,898.81	87.84	22.618		
9,000.00	7,875.00	8,974.30	7,950.00	50.05	45.93	-92.04	507.02	1,605.45	1,986.38	1,894.54	91.84	21.628		
9,100.00	7,875.00	9,074.30	7,950.00	51.83	48.01	-92.04	505.61	1,705.44	1,986.11	1,890.13	95.99	20.692		

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 3AH
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 3AH	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	7,875.00	9,174.30	7,950.00	53.70	50.15	-92.04	504.21	1,805.43	1,985.85	1,885.60	100.25	19.809		
9,300.00	7,875.00	9,274.30	7,950.00	55.65	52.34	-92.04	502.80	1,905.42	1,985.58	1,880.97	104.61	18.980		
9,400.00	7,875.00	9,374.30	7,950.00	57.66	54.57	-92.04	501.39	2,005.41	1,985.31	1,876.25	109.07	18.202		
9,500.00	7,875.00	9,474.30	7,950.00	59.74	56.85	-92.04	499.98	2,105.40	1,985.05	1,871.44	113.61	17.473		
9,600.00	7,875.00	9,574.30	7,950.00	61.88	59.16	-92.04	498.57	2,205.39	1,984.78	1,866.57	118.21	16.790		
9,700.00	7,875.00	9,674.30	7,950.00	64.06	61.51	-92.04	497.16	2,305.38	1,984.51	1,861.63	122.89	16.149		
9,800.00	7,875.00	9,774.30	7,950.00	66.28	63.88	-92.04	495.75	2,405.37	1,984.25	1,856.63	127.61	15.549		
9,900.00	7,875.00	9,874.29	7,950.00	68.54	66.27	-92.04	494.34	2,505.36	1,983.98	1,851.59	132.39	14.986		
10,000.00	7,875.00	9,974.29	7,950.00	70.84	68.69	-92.04	492.94	2,605.35	1,983.72	1,846.50	137.22	14.457		
10,100.00	7,875.00	10,074.29	7,950.00	73.16	71.13	-92.04	491.53	2,705.34	1,983.45	1,841.37	142.08	13.960		
10,200.00	7,875.00	10,174.29	7,950.00	75.51	73.59	-92.04	490.12	2,805.33	1,983.18	1,836.20	146.98	13.493		
10,300.00	7,875.00	10,274.29	7,950.00	77.89	76.06	-92.04	488.71	2,905.32	1,982.92	1,831.00	151.91	13.053		
10,400.00	7,875.00	10,374.29	7,950.00	80.29	78.55	-92.04	487.30	3,005.31	1,982.65	1,825.77	156.88	12.638		
10,500.00	7,875.00	10,474.29	7,950.00	82.70	81.05	-92.04	485.89	3,105.30	1,982.38	1,820.52	161.87	12.247		
10,600.00	7,875.00	10,574.29	7,950.00	85.14	83.56	-92.04	484.48	3,205.29	1,982.12	1,815.24	166.88	11.877		
10,700.00	7,875.00	10,674.29	7,950.00	87.59	86.08	-92.04	483.07	3,305.28	1,981.85	1,809.93	171.92	11.528		
10,800.00	7,875.00	10,774.29	7,950.00	90.06	88.62	-92.04	481.67	3,405.27	1,981.58	1,804.61	176.98	11.197		
10,900.00	7,875.00	10,874.29	7,950.00	92.53	91.16	-92.04	480.26	3,505.25	1,981.32	1,799.26	182.05	10.883		
11,000.00	7,875.00	10,974.29	7,950.00	95.03	93.71	-92.05	478.85	3,605.24	1,981.05	1,793.90	187.15	10.586		
11,100.00	7,875.00	11,074.29	7,950.00	97.53	96.27	-92.05	477.44	3,705.23	1,980.78	1,788.53	192.26	10.303		
11,200.00	7,875.00	11,174.29	7,950.00	100.04	98.84	-92.05	476.03	3,805.22	1,980.52	1,783.14	197.38	10.034		
11,300.00	7,875.00	11,274.29	7,950.00	102.57	101.41	-92.05	474.62	3,905.21	1,980.25	1,777.73	202.52	9.778		
11,400.00	7,875.00	11,374.29	7,950.00	105.10	103.99	-92.05	473.21	4,005.20	1,979.98	1,772.31	207.67	9.534		
11,500.00	7,875.00	11,474.29	7,950.00	107.64	106.58	-92.05	471.81	4,105.19	1,979.72	1,766.89	212.83	9.302		
11,600.00	7,875.00	11,574.29	7,950.00	110.19	109.17	-92.05	470.40	4,205.18	1,979.45	1,761.45	218.00	9.080		
11,700.00	7,875.00	11,674.29	7,950.00	112.74	111.76	-92.05	468.99	4,305.17	1,979.18	1,756.00	223.19	8.868		
11,800.00	7,875.00	11,774.29	7,950.00	115.31	114.36	-92.05	467.58	4,405.16	1,978.92	1,750.54	228.38	8.665		
11,900.00	7,875.00	11,874.29	7,950.00	117.87	116.97	-92.05	466.17	4,505.15	1,978.65	1,745.07	233.58	8.471		
12,000.00	7,875.00	11,974.29	7,950.00	120.45	119.58	-92.05	464.76	4,605.14	1,978.38	1,739.59	238.79	8.285		
12,100.00	7,875.00	12,074.29	7,950.00	123.03	122.19	-92.05	463.35	4,705.13	1,978.12	1,734.11	244.01	8.107		
12,200.00	7,875.00	12,174.29	7,950.00	125.61	124.80	-92.05	461.94	4,805.12	1,977.85	1,728.62	249.23	7.936		
12,300.00	7,875.00	12,274.29	7,950.00	128.20	127.42	-92.05	460.54	4,905.11	1,977.58	1,723.12	254.46	7.772		
12,400.00	7,875.00	12,374.29	7,950.00	130.79	130.05	-92.05	459.13	5,005.10	1,977.32	1,717.62	259.70	7.614		
12,500.00	7,875.00	12,474.29	7,950.00	133.39	132.67	-92.05	457.72	5,105.09	1,977.05	1,712.10	264.95	7.462		
12,600.00	7,875.00	12,574.29	7,950.00	135.99	135.30	-92.05	456.31	5,205.08	1,976.78	1,706.59	270.20	7.316		
12,700.00	7,875.00	12,674.28	7,950.00	138.60	137.93	-92.05	454.90	5,305.07	1,976.52	1,701.07	275.45	7.176		
12,800.00	7,875.00	12,774.28	7,950.00	141.21	140.56	-92.05	453.49	5,405.06	1,976.25	1,695.54	280.71	7.040		
12,900.00	7,875.00	12,874.28	7,950.00	143.82	143.20	-92.05	452.08	5,505.05	1,975.98	1,690.01	285.97	6.910		
13,000.00	7,875.00	12,974.28	7,950.00	146.43	145.83	-92.05	450.67	5,605.04	1,975.72	1,684.48	291.24	6.784		
13,100.00	7,875.00	13,074.28	7,950.00	149.05	148.47	-92.05	449.27	5,705.03	1,975.45	1,678.94	296.51	6.662		
13,200.00	7,875.00	13,174.28	7,950.00	151.67	151.12	-92.05	447.86	5,805.02	1,975.19	1,673.39	301.79	6.545		
13,300.00	7,875.00	13,274.28	7,950.00	154.30	153.76	-92.05	446.45	5,905.01	1,974.92	1,667.85	307.07	6.431		
13,400.00	7,875.00	13,374.28	7,950.00	156.92	156.40	-92.05	445.04	6,005.00	1,974.65	1,662.30	312.36	6.322		
13,500.00	7,875.00	13,474.28	7,950.00	159.55	159.05	-92.05	443.63	6,104.99	1,974.39	1,656.74	317.64	6.216		
13,600.00	7,875.00	13,574.28	7,950.00	162.18	161.70	-92.05	442.22	6,204.98	1,974.12	1,651.18	322.94	6.113		
13,700.00	7,875.00	13,674.28	7,950.00	164.81	164.35	-92.05	440.81	6,304.97	1,973.85	1,645.62	328.23	6.014		
13,800.00	7,875.00	13,774.28	7,950.00	167.45	167.00	-92.05	439.40	6,404.96	1,973.59	1,640.06	333.53	5.917		
13,900.00	7,875.00	13,874.28	7,950.00	170.08	169.65	-92.05	438.00	6,504.95	1,973.32	1,634.49	338.83	5.824		
14,000.00	7,875.00	13,974.28	7,950.00	172.72	172.31	-92.05	436.59	6,604.94	1,973.05	1,628.92	344.13	5.733		
14,100.00	7,875.00	14,074.28	7,950.00	175.36	174.96	-92.05	435.18	6,704.93	1,972.79	1,623.35	349.43	5.646		
14,200.00	7,875.00	14,174.28	7,950.00	178.00	177.62	-92.05	433.77	6,804.92	1,972.52	1,617.78	354.74	5.560		
14,300.00	7,875.00	14,274.28	7,950.00	180.65	180.28	-92.05	432.36	6,904.91	1,972.25	1,612.20	360.05	5.478		

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 3AH
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 3AH	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	7,875.00	14,374.28	7,950.00	183.29	182.94	-92.05	430.95	7,004.90	1,971.99	1,606.62	365.36	5.397		
14,500.00	7,875.00	14,474.28	7,950.00	185.94	185.60	-92.05	429.54	7,104.88	1,971.72	1,601.04	370.68	5.319		
14,600.00	7,875.00	14,574.28	7,950.00	188.59	188.26	-92.06	428.14	7,204.87	1,971.45	1,595.46	375.99	5.243		
14,700.00	7,875.00	14,674.28	7,950.00	191.23	190.92	-92.06	426.73	7,304.86	1,971.19	1,589.88	381.31	5.169		
14,800.00	7,875.00	14,774.28	7,950.00	193.89	193.58	-92.06	425.32	7,404.85	1,970.92	1,584.29	386.63	5.098		
14,900.00	7,875.00	14,874.28	7,950.00	196.54	196.25	-92.06	423.91	7,504.84	1,970.65	1,578.70	391.95	5.028		
15,000.00	7,875.00	14,974.28	7,950.00	199.19	198.91	-92.06	422.50	7,604.83	1,970.39	1,573.11	397.28	4.960		
15,100.00	7,875.00	15,074.28	7,950.00	201.84	201.58	-92.06	421.09	7,704.82	1,970.12	1,567.52	402.60	4.893		
15,200.00	7,875.00	15,174.28	7,950.00	204.50	204.24	-92.06	419.68	7,804.81	1,969.85	1,561.92	407.93	4.829		
15,300.00	7,875.00	15,274.28	7,950.00	207.15	206.91	-92.06	418.27	7,904.80	1,969.59	1,556.33	413.26	4.766		
15,400.00	7,875.00	15,374.28	7,950.00	209.81	209.58	-92.06	416.87	8,004.79	1,969.32	1,550.73	418.59	4.705		
15,500.00	7,875.00	15,474.28	7,950.00	212.47	212.24	-92.06	415.46	8,104.78	1,969.05	1,545.14	423.92	4.645		
15,600.00	7,875.00	15,574.27	7,950.00	215.13	214.91	-92.06	414.05	8,204.77	1,968.79	1,539.54	429.25	4.587		
15,700.00	7,875.00	15,674.27	7,950.00	217.79	217.58	-92.06	412.64	8,304.76	1,968.52	1,533.94	434.59	4.530		
15,800.00	7,875.00	15,774.27	7,950.00	220.45	220.25	-92.06	411.23	8,404.75	1,968.25	1,528.33	439.92	4.474		
15,900.00	7,875.00	15,874.27	7,950.00	223.11	222.92	-92.06	409.82	8,504.74	1,967.99	1,522.73	445.26	4.420		
16,000.00	7,875.00	15,974.27	7,950.00	225.77	225.60	-92.06	408.41	8,604.73	1,967.72	1,517.13	450.60	4.367		
16,100.00	7,875.00	16,074.27	7,950.00	228.44	228.27	-92.06	407.00	8,704.72	1,967.45	1,511.52	455.93	4.315		
16,200.00	7,875.00	16,174.27	7,950.00	231.10	230.94	-92.06	405.60	8,804.71	1,967.19	1,505.91	461.27	4.265		
16,300.00	7,875.00	16,274.27	7,950.00	233.76	233.61	-92.06	404.19	8,904.70	1,966.92	1,500.31	466.61	4.215		
16,400.00	7,875.00	16,374.27	7,950.00	236.43	236.29	-92.06	402.78	9,004.69	1,966.66	1,494.70	471.96	4.167		
16,500.00	7,875.00	16,474.27	7,950.00	239.09	238.96	-92.06	401.37	9,104.68	1,966.39	1,489.09	477.30	4.120		
16,600.00	7,875.00	16,574.27	7,950.00	241.76	241.63	-92.06	399.96	9,204.67	1,966.12	1,483.48	482.64	4.074		
16,700.00	7,875.00	16,674.27	7,950.00	244.43	244.31	-92.06	398.55	9,304.66	1,965.86	1,477.87	487.99	4.028		
16,800.00	7,875.00	16,774.27	7,950.00	247.10	246.99	-92.06	397.14	9,404.65	1,965.59	1,472.25	493.33	3.984		
16,900.00	7,875.00	16,874.27	7,950.00	249.76	249.66	-92.06	395.74	9,504.64	1,965.32	1,466.64	498.68	3.941		
17,000.00	7,875.00	16,974.27	7,950.00	252.43	252.34	-92.06	394.33	9,604.63	1,965.06	1,461.03	504.03	3.899		
17,100.00	7,875.00	17,074.27	7,950.00	255.10	255.01	-92.06	392.92	9,704.62	1,964.79	1,455.41	509.38	3.857		
17,200.00	7,875.00	17,174.27	7,950.00	257.77	257.69	-92.06	391.51	9,804.61	1,964.52	1,449.80	514.73	3.817		
17,300.00	7,875.00	17,274.27	7,950.00	260.44	260.37	-92.06	390.10	9,904.60	1,964.26	1,444.18	520.08	3.777		
17,400.00	7,875.00	17,374.27	7,950.00	263.11	263.05	-92.06	388.69	10,004.59	1,963.99	1,438.56	525.43	3.738		
17,500.00	7,875.00	17,474.27	7,950.00	265.79	265.72	-92.06	387.28	10,104.58	1,963.72	1,432.95	530.78	3.700		
17,600.00	7,875.00	17,574.27	7,950.00	268.46	268.40	-92.06	385.87	10,204.57	1,963.46	1,427.33	536.13	3.662		
17,700.00	7,875.00	17,674.27	7,950.00	271.13	271.08	-92.06	384.47	10,304.56	1,963.19	1,421.71	541.48	3.626		
17,800.00	7,875.00	17,774.27	7,950.00	273.80	273.76	-92.06	383.06	10,404.55	1,962.92	1,416.09	546.84	3.590		
17,900.00	7,875.00	17,874.27	7,950.00	276.48	276.44	-92.06	381.65	10,504.54	1,962.66	1,410.47	552.19	3.554		
18,000.00	7,875.00	17,974.27	7,950.00	279.15	279.12	-92.06	380.24	10,604.53	1,962.39	1,404.85	557.54	3.520		
18,100.00	7,875.00	18,074.27	7,950.00	281.82	281.80	-92.06	378.83	10,704.52	1,962.12	1,399.22	562.90	3.486		
18,200.00	7,875.00	18,174.27	7,950.00	284.50	284.48	-92.07	377.42	10,804.50	1,961.86	1,393.60	568.26	3.452		
18,251.17	7,875.00	18,220.21	7,950.00	285.87	285.71	-92.07	376.77	10,850.44	1,961.73	1,390.90	570.83	3.437		
18,265.67	7,875.00	18,220.21	7,950.00	286.26	285.71	-92.07	376.77	10,850.44	1,961.78	1,390.67	571.11	3.435 SF		

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3AH
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 3AH	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	49.90	0.00	49.90					
100.00	100.00	100.30	99.70	0.13	0.14	0.00	49.90	0.00	49.90	49.63	0.27	184.864		
200.00	200.00	200.30	199.70	0.49	0.49	0.00	49.90	0.00	49.90	48.91	0.99	50.564		
250.00	250.00	249.70	249.70	0.67	0.67	0.00	49.90	0.00	49.90	48.56	1.34	37.151 CC		
300.00	300.00	300.51	300.51	0.84	0.85	-165.05	49.49	0.18	49.92	48.23	1.69	29.556		
400.00	399.93	402.13	402.06	1.19	1.19	-164.48	46.19	1.59	50.04	47.67	2.37	21.092		
500.00	499.68	503.75	503.42	1.54	1.55	-163.33	39.57	4.42	50.30	47.22	3.08	16.347		
600.00	599.13	605.35	604.44	1.92	1.94	-161.63	29.66	8.66	50.71	46.92	3.79	13.367		
700.00	698.15	705.61	703.86	2.31	2.33	-160.06	17.73	13.76	52.38	47.85	4.53	11.570		
800.00	796.63	805.48	802.88	2.74	2.74	-159.82	5.80	18.87	57.30	52.02	5.27	10.866		
833.76	829.73	839.16	836.27	2.89	2.88	-160.01	1.77	20.59	59.70	54.17	5.53	10.797		
900.00	894.60	905.20	901.75	3.20	3.15	-160.47	-6.12	23.96	64.77	58.74	6.03	10.749		
1,000.00	992.53	1,004.90	1,000.61	3.67	3.56	-161.05	-18.03	29.06	72.44	65.66	6.78	10.686		
1,100.00	1,090.46	1,104.61	1,099.47	4.14	3.97	-161.52	-29.95	34.16	80.11	72.58	7.53	10.632		
1,200.00	1,188.39	1,204.31	1,198.32	4.62	4.39	-161.90	-41.87	39.25	87.79	79.50	8.29	10.585		
1,300.00	1,286.32	1,304.01	1,297.18	5.11	4.80	-162.23	-53.78	44.35	95.47	86.42	9.05	10.544		
1,400.00	1,384.25	1,403.72	1,396.04	5.60	5.22	-162.50	-65.70	49.45	103.16	93.34	9.82	10.509		
1,500.00	1,482.18	1,503.42	1,494.90	6.09	5.64	-162.74	-77.61	54.54	110.85	100.27	10.58	10.478		
1,600.00	1,580.12	1,603.12	1,593.75	6.58	6.06	-162.95	-89.53	59.64	118.53	107.19	11.34	10.450		
1,700.00	1,678.05	1,702.83	1,692.61	7.07	6.48	-163.13	-101.44	64.74	126.22	114.12	12.11	10.426		
1,800.00	1,775.98	1,802.53	1,791.47	7.57	6.90	-163.29	-113.36	69.83	133.91	121.04	12.87	10.404		
1,900.00	1,873.91	1,902.23	1,890.33	8.06	7.32	-163.43	-125.27	74.93	141.61	127.97	13.64	10.384		
2,000.00	1,971.84	2,001.93	1,989.18	8.55	7.74	-163.56	-137.19	80.03	149.30	134.90	14.40	10.366		
2,100.00	2,069.77	2,101.64	2,088.04	9.05	8.16	-163.68	-149.10	85.13	156.99	141.82	15.17	10.350		
2,200.00	2,167.70	2,201.34	2,186.90	9.55	8.58	-163.78	-161.02	90.22	164.69	148.75	15.93	10.335		
2,300.00	2,265.63	2,301.04	2,285.76	10.04	9.00	-163.88	-172.93	95.32	172.38	155.68	16.70	10.322		
2,400.00	2,363.56	2,400.75	2,384.61	10.54	9.42	-163.96	-184.85	100.42	180.08	162.61	17.47	10.309		
2,500.00	2,461.49	2,500.45	2,483.47	11.04	9.84	-164.04	-196.77	105.51	187.77	169.54	18.23	10.298		
2,600.00	2,559.43	2,600.15	2,582.33	11.54	10.26	-164.12	-208.68	110.61	195.47	176.47	19.00	10.287		
2,700.00	2,657.36	2,699.86	2,681.18	12.03	10.69	-164.19	-220.60	115.71	203.16	183.39	19.77	10.278		
2,800.00	2,755.29	2,800.44	2,780.04	12.53	11.11	-164.25	-232.51	120.80	210.86	190.32	20.54	10.267		
2,900.00	2,853.22	2,900.74	2,878.90	13.03	11.54	-164.31	-244.43	125.90	218.55	197.25	21.31	10.257		
3,000.00	2,951.15	3,001.03	2,977.76	13.53	11.96	-164.36	-256.34	131.00	226.25	204.17	22.08	10.249		
3,100.00	3,049.08	3,101.33	3,076.61	14.03	12.38	-164.42	-268.26	136.09	233.95	211.10	22.85	10.240		
3,200.00	3,147.01	3,201.63	3,175.47	14.52	12.81	-164.46	-280.17	141.19	241.64	218.03	23.62	10.232		
3,300.00	3,244.94	3,301.92	3,274.33	15.02	13.23	-164.51	-292.09	146.29	249.34	224.96	24.39	10.225		
3,400.00	3,342.87	3,402.22	3,373.19	15.52	13.66	-164.55	-304.00	151.38	257.04	231.88	25.15	10.218		
3,500.00	3,440.80	3,502.52	3,472.04	16.02	14.08	-164.59	-315.92	156.48	264.74	238.81	25.92	10.212		
3,600.00	3,538.74	3,597.19	3,570.90	16.52	14.48	-164.63	-327.83	161.58	272.43	245.76	26.67	10.214		
3,700.00	3,636.67	3,703.11	3,669.76	17.02	14.93	-164.66	-339.75	166.68	280.13	252.67	27.46	10.200		
3,800.00	3,734.60	3,803.41	3,768.61	17.52	15.35	-164.70	-351.66	171.77	287.83	259.59	28.23	10.194		
3,900.00	3,832.53	3,903.71	3,867.47	18.02	15.78	-164.73	-363.58	176.87	295.53	266.52	29.00	10.189		
4,000.00	3,930.46	4,004.00	3,966.33	18.52	16.20	-164.76	-375.50	181.97	303.22	273.45	29.77	10.184		
4,100.00	4,028.39	4,104.30	4,065.19	19.02	16.63	-164.79	-387.41	187.06	310.92	280.38	30.54	10.179		
4,200.00	4,126.32	4,204.60	4,164.04	19.52	17.05	-164.82	-399.33	192.16	318.62	287.31	31.31	10.175		
4,300.00	4,224.25	4,304.89	4,262.90	20.01	17.48	-164.84	-411.24	197.26	326.32	294.23	32.08	10.171		
4,400.00	4,322.18	4,405.19	4,361.76	20.51	17.90	-164.87	-423.16	202.35	334.02	301.16	32.85	10.167		
4,500.00	4,420.11	4,494.51	4,460.62	21.01	18.28	-164.89	-435.07	207.45	341.71	308.13	33.58	10.175		
4,600.00	4,518.05	4,605.78	4,559.47	21.51	18.75	-164.91	-446.99	212.55	349.41	315.02	34.39	10.159		
4,700.00	4,615.98	4,706.08	4,658.33	22.01	19.17	-164.94	-458.90	217.64	357.11	321.95	35.16	10.155		
4,800.00	4,713.91	4,806.38	4,757.19	22.51	19.60	-164.96	-470.82	222.74	364.81	328.87	35.93	10.152		
4,900.00	4,811.84	4,906.67	4,856.04	23.01	20.02	-164.98	-482.73	227.84	372.51	335.80	36.71	10.149		

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 3AH
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 3AH	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	4,909.77	5,006.97	4,954.90	23.51	20.45	-165.00	-494.65	232.93	380.21	342.73	37.48	10.145		
5,100.00	5,007.70	5,107.27	5,053.76	24.01	20.87	-165.01	-506.56	238.03	387.90	349.66	38.25	10.142		
5,200.00	5,105.63	5,207.56	5,152.62	24.51	21.30	-165.03	-518.48	243.13	395.60	356.59	39.02	10.140		
5,300.00	5,203.56	5,307.86	5,251.47	25.01	21.72	-165.05	-530.40	248.23	403.30	363.52	39.79	10.137		
5,400.00	5,301.49	5,408.16	5,350.33	25.51	22.15	-165.06	-542.31	253.32	411.00	370.44	40.56	10.134		
5,500.00	5,399.43	5,508.45	5,449.19	26.01	22.57	-165.08	-554.23	258.42	418.70	377.37	41.33	10.131		
5,600.00	5,497.36	5,608.75	5,548.05	26.51	23.00	-165.10	-566.14	263.52	426.40	384.30	42.10	10.129		
5,700.00	5,595.29	5,709.05	5,646.90	27.01	23.42	-165.11	-578.06	268.61	434.10	391.23	42.87	10.126		
5,800.00	5,693.22	5,809.35	5,745.76	27.51	23.85	-165.12	-589.97	273.71	441.79	398.16	43.64	10.124		
5,900.00	5,791.15	5,909.64	5,844.62	28.01	24.27	-165.14	-601.89	278.81	449.49	405.08	44.41	10.122		
6,000.00	5,889.08	5,990.06	5,943.48	28.51	24.61	-165.15	-613.80	283.90	457.19	412.09	45.10	10.136		
6,100.00	5,987.01	6,089.76	6,042.33	29.01	25.03	-165.16	-625.72	289.00	464.89	419.02	45.87	10.135		
6,200.00	6,084.94	6,189.47	6,141.19	29.51	25.46	-165.18	-637.63	294.10	472.59	425.95	46.64	10.133		
6,300.00	6,182.87	6,289.17	6,240.05	30.01	25.88	-165.19	-649.55	299.19	480.29	432.88	47.41	10.131		
6,400.00	6,280.80	6,388.87	6,338.90	30.51	26.30	-165.20	-661.46	304.29	487.99	439.81	48.18	10.129		
6,500.00	6,378.74	6,488.58	6,437.76	31.01	26.72	-165.21	-673.38	309.39	495.69	446.74	48.94	10.127		
6,600.00	6,476.67	6,588.28	6,536.62	31.51	27.15	-165.22	-685.29	314.48	503.38	453.67	49.71	10.126		
6,700.00	6,574.60	6,687.98	6,635.48	32.01	27.57	-165.23	-697.21	319.58	511.08	460.60	50.48	10.124		
6,800.00	6,672.53	6,787.69	6,734.33	32.51	27.99	-165.24	-709.13	324.68	518.78	467.53	51.25	10.123		
6,900.00	6,770.46	6,887.39	6,833.19	33.01	28.41	-165.25	-721.04	329.78	526.48	474.46	52.02	10.121		
7,000.00	6,868.39	6,987.09	6,932.05	33.51	28.83	-165.26	-732.96	334.87	534.18	481.39	52.79	10.120		
7,100.00	6,966.32	7,086.80	7,030.91	34.01	29.26	-165.27	-744.87	339.97	541.88	488.32	53.55	10.118		
7,200.00	7,064.25	7,186.50	7,129.76	34.51	29.68	-165.28	-756.79	345.07	549.58	495.26	54.32	10.117		
7,300.00	7,162.18	7,288.20	7,228.62	35.01	30.10	-165.29	-768.70	350.16	557.28	502.19	55.09	10.116		
7,400.00	7,260.11	7,385.91	7,327.48	35.51	30.52	-165.30	-780.62	355.26	564.98	509.12	55.86	10.114		
7,485.17	7,343.52	7,470.83	7,411.68	35.94	30.88	-165.31	-790.77	359.60	571.53	515.02	56.51	10.113		
7,500.00	7,358.03	7,485.86	7,426.57	36.01	30.95	-158.52	-792.56	360.58	572.67	516.04	56.63	10.112		
7,550.00	7,406.68	7,536.52	7,476.47	36.27	31.17	-140.11	-798.63	366.77	576.49	519.44	57.04	10.106		
7,600.00	7,454.62	7,587.20	7,525.63	36.54	31.41	-127.97	-804.67	377.38	580.23	522.75	57.48	10.094		
7,650.00	7,501.47	7,637.87	7,573.67	36.81	31.65	-119.97	-810.63	392.32	583.88	525.94	57.94	10.077		
7,700.00	7,546.90	7,688.54	7,620.20	37.08	31.90	-114.46	-816.48	411.47	587.41	528.98	58.43	10.054		
7,750.00	7,590.54	7,739.21	7,664.86	37.36	32.16	-110.49	-822.15	434.70	590.78	531.84	58.94	10.024		
7,800.00	7,632.07	7,789.88	7,707.29	37.65	32.43	-107.51	-827.62	461.80	593.98	534.49	59.49	9.985		
7,850.00	7,671.18	7,840.53	7,747.17	37.94	32.71	-105.20	-832.83	492.57	596.97	536.90	60.08	9.937		
7,900.00	7,707.56	7,891.17	7,784.18	38.23	33.00	-103.37	-837.75	526.76	599.75	539.03	60.71	9.878		
7,950.00	7,740.93	7,941.79	7,818.03	38.53	33.31	-101.90	-842.33	564.09	602.27	540.86	61.41	9.807		
8,000.00	7,771.06	7,992.39	7,848.46	38.84	33.64	-100.70	-846.54	604.27	604.54	542.36	62.18	9.722		
8,050.00	7,797.69	8,042.95	7,875.23	39.16	33.99	-99.73	-850.34	646.98	606.52	543.49	63.02	9.623		
8,100.00	7,820.64	8,093.48	7,898.14	39.50	34.37	-98.93	-853.72	691.87	608.20	544.25	63.95	9.510		
8,150.00	7,839.72	8,143.96	7,917.02	39.85	34.78	-98.30	-856.64	738.58	609.58	544.61	64.97	9.383		
8,200.00	7,854.80	8,194.40	7,931.72	40.22	35.22	-97.81	-859.08	786.75	610.63	544.57	66.06	9.243		
8,250.00	7,865.75	8,244.78	7,942.16	40.60	35.70	-97.44	-861.02	835.98	611.36	544.12	67.24	9.092		
8,300.00	7,872.50	8,295.10	7,948.25	41.01	36.22	-97.20	-862.45	885.89	611.76	543.27	68.49	8.932		
8,354.11	7,875.00	8,349.43	7,950.00	41.47	36.81	-97.07	-863.42	940.17	611.81	541.91	69.90	8.752		
8,400.00	7,875.00	8,404.68	7,950.00	41.89	37.46	-97.07	-864.07	986.06	611.69	540.41	71.29	8.581		
8,500.00	7,875.00	8,504.68	7,950.00	42.90	38.76	-97.07	-865.48	1,086.05	611.43	537.19	74.24	8.236		
8,600.00	7,875.00	8,604.68	7,950.00	44.06	40.22	-97.08	-866.88	1,186.04	611.17	533.72	77.45	7.891		
8,700.00	7,875.00	8,704.68	7,950.00	45.36	41.81	-97.08	-868.29	1,286.03	610.91	530.02	80.89	7.553		
8,800.00	7,875.00	8,804.68	7,950.00	46.80	43.53	-97.08	-869.69	1,386.02	610.64	526.12	84.52	7.225		
8,900.00	7,875.00	8,904.68	7,950.00	48.37	45.34	-97.09	-871.10	1,486.01	610.38	522.05	88.33	6.910		
9,000.00	7,875.00	9,004.68	7,950.00	50.05	47.25	-97.09	-872.51	1,586.00	610.12	517.82	92.30	6.611		
9,100.00	7,875.00	9,104.68	7,950.00	51.83	49.24	-97.09	-873.91	1,685.99	609.86	513.47	96.39	6.327		

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 3AH
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 3AH	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	7,875.00	9,204.68	7,950.00	53.70	51.30	-97.10	-875.32	1,785.98	609.60	508.99	100.61	6.059		
9,300.00	7,875.00	9,304.68	7,950.00	55.65	53.42	-97.10	-876.73	1,885.97	609.33	504.41	104.93	5.807		
9,400.00	7,875.00	9,404.68	7,950.00	57.66	55.59	-97.10	-878.13	1,985.96	609.07	499.73	109.34	5.571		
9,500.00	7,875.00	9,504.68	7,950.00	59.74	57.80	-97.10	-879.54	2,085.95	608.81	494.98	113.83	5.349		
9,600.00	7,875.00	9,604.68	7,950.00	61.88	60.06	-97.11	-880.94	2,185.94	608.55	490.16	118.39	5.140		
9,700.00	7,875.00	9,704.68	7,950.00	64.06	62.36	-97.11	-882.35	2,285.93	608.29	485.27	123.01	4.945		
9,800.00	7,875.00	9,804.68	7,950.00	66.28	64.68	-97.11	-883.76	2,385.92	608.02	480.33	127.70	4.761		
9,900.00	7,875.00	9,904.68	7,950.00	68.54	67.04	-97.12	-885.16	2,485.91	607.76	475.33	132.43	4.589		
10,000.00	7,875.00	10,004.68	7,950.00	70.84	69.42	-97.12	-886.57	2,585.90	607.50	470.29	137.21	4.428		
10,100.00	7,875.00	10,104.68	7,950.00	73.16	71.82	-97.12	-887.97	2,685.89	607.24	465.21	142.03	4.276		
10,200.00	7,875.00	10,204.68	7,950.00	75.51	74.25	-97.13	-889.38	2,785.88	606.97	460.09	146.88	4.132		
10,300.00	7,875.00	10,304.68	7,950.00	77.89	76.69	-97.13	-890.79	2,885.87	606.71	454.94	151.77	3.998		
10,400.00	7,875.00	10,404.68	7,950.00	80.29	79.15	-97.13	-892.19	2,985.86	606.45	449.76	156.69	3.870		
10,500.00	7,875.00	10,504.68	7,950.00	82.70	81.63	-97.14	-893.60	3,085.85	606.19	444.55	161.63	3.750		
10,600.00	7,875.00	10,604.68	7,950.00	85.14	84.12	-97.14	-895.00	3,185.84	605.93	439.32	166.60	3.637		
10,700.00	7,875.00	10,704.69	7,950.00	87.59	86.62	-97.14	-896.41	3,285.82	605.66	434.07	171.60	3.530		
10,800.00	7,875.00	10,804.69	7,950.00	90.06	89.13	-97.14	-897.82	3,385.81	605.40	428.79	176.61	3.428		
10,900.00	7,875.00	10,904.69	7,950.00	92.53	91.65	-97.15	-899.22	3,485.80	605.14	423.49	181.65	3.331		
11,000.00	7,875.00	11,004.69	7,950.00	95.03	94.19	-97.15	-900.63	3,585.79	604.88	418.18	186.70	3.240		
11,100.00	7,875.00	11,104.69	7,950.00	97.53	96.73	-97.15	-902.04	3,685.78	604.62	412.85	191.76	3.153		
11,200.00	7,875.00	11,204.69	7,950.00	100.04	99.28	-97.16	-903.44	3,785.77	604.35	407.51	196.85	3.070		
11,300.00	7,875.00	11,304.69	7,950.00	102.57	101.84	-97.16	-904.85	3,885.76	604.09	402.15	201.94	2.991		
11,400.00	7,875.00	11,404.69	7,950.00	105.10	104.40	-97.16	-906.25	3,985.75	603.83	396.78	207.05	2.916		
11,500.00	7,875.00	11,504.69	7,950.00	107.64	106.98	-97.17	-907.66	4,085.74	603.57	391.40	212.17	2.845		
11,600.00	7,875.00	11,604.69	7,950.00	110.19	109.55	-97.17	-909.07	4,185.73	603.31	386.00	217.30	2.776		
11,700.00	7,875.00	11,704.69	7,950.00	112.74	112.14	-97.17	-910.47	4,285.72	603.04	380.60	222.44	2.711		
11,800.00	7,875.00	11,804.69	7,950.00	115.31	114.72	-97.18	-911.88	4,385.71	602.78	375.19	227.59	2.649		
11,900.00	7,875.00	11,904.69	7,950.00	117.87	117.32	-97.18	-913.28	4,485.70	602.52	369.77	232.75	2.589		
12,000.00	7,875.00	12,004.69	7,950.00	120.45	119.92	-97.18	-914.69	4,585.69	602.26	364.34	237.92	2.531		
12,100.00	7,875.00	12,104.69	7,950.00	123.03	122.52	-97.19	-916.10	4,685.68	602.00	358.90	243.10	2.476		
12,200.00	7,875.00	12,204.69	7,950.00	125.61	125.12	-97.19	-917.50	4,785.67	601.73	353.45	248.28	2.424		
12,300.00	7,875.00	12,304.69	7,950.00	128.20	127.73	-97.19	-918.91	4,885.66	601.47	348.00	253.47	2.373		
12,400.00	7,875.00	12,404.69	7,950.00	130.79	130.35	-97.20	-920.31	4,985.65	601.21	342.54	258.66	2.324		
12,500.00	7,875.00	12,504.69	7,950.00	133.39	132.96	-97.20	-921.72	5,085.64	600.95	337.08	263.87	2.277		
12,600.00	7,875.00	12,604.69	7,950.00	135.99	135.58	-97.20	-923.13	5,185.63	600.68	331.61	269.07	2.232		
12,700.00	7,875.00	12,704.69	7,950.00	138.60	138.21	-97.20	-924.53	5,285.62	600.42	326.13	274.29	2.189		
12,800.00	7,875.00	12,804.69	7,950.00	141.21	140.83	-97.21	-925.94	5,385.61	600.16	320.65	279.51	2.147		
12,900.00	7,875.00	12,904.69	7,950.00	143.82	143.46	-97.21	-927.34	5,485.60	599.90	315.17	284.73	2.107		
13,000.00	7,875.00	13,004.69	7,950.00	146.43	146.09	-97.21	-928.75	5,585.59	599.64	309.68	289.96	2.068		
13,100.00	7,875.00	13,104.69	7,950.00	149.05	148.72	-97.22	-930.16	5,685.58	599.37	304.19	295.19	2.030		
13,200.00	7,875.00	13,204.69	7,950.00	151.67	151.36	-97.22	-931.56	5,785.57	599.11	298.69	300.42	1.994		
13,300.00	7,875.00	13,304.69	7,950.00	154.30	154.00	-97.22	-932.97	5,885.56	598.85	293.19	305.66	1.959		
13,400.00	7,875.00	13,404.69	7,950.00	156.92	156.64	-97.23	-934.38	5,985.55	598.59	287.68	310.91	1.925		
13,500.00	7,875.00	13,504.69	7,950.00	159.55	159.28	-97.23	-935.78	6,085.54	598.33	282.17	316.15	1.893		
13,600.00	7,875.00	13,604.70	7,950.00	162.18	161.92	-97.23	-937.19	6,185.53	598.06	276.66	321.40	1.861		
13,700.00	7,875.00	13,704.70	7,950.00	164.81	164.57	-97.24	-938.59	6,285.52	597.80	271.15	326.66	1.830		
13,800.00	7,875.00	13,804.70	7,950.00	167.45	167.21	-97.24	-940.00	6,385.51	597.54	265.63	331.91	1.800		
13,900.00	7,875.00	13,904.70	7,950.00	170.08	169.86	-97.24	-941.41	6,485.50	597.28	260.11	337.17	1.771		
14,000.00	7,875.00	14,004.70	7,950.00	172.72	172.51	-97.25	-942.81	6,585.49	597.02	254.58	342.43	1.743		
14,100.00	7,875.00	14,104.70	7,950.00	175.36	175.16	-97.25	-944.22	6,685.48	596.75	249.06	347.70	1.716		
14,200.00	7,875.00	14,204.70	7,950.00	178.00	177.81	-97.25	-945.62	6,785.47	596.49	243.53	352.96	1.690		
14,300.00	7,875.00	14,304.70	7,950.00	180.65	180.47	-97.26	-947.03	6,885.46	596.23	238.00	358.23	1.664		

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 3AH
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 3AH	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	7,875.00	14,404.70	7,950.00	183.29	183.12	-97.26	-948.44	6,985.45	595.97	232.47	363.50	1.640	
14,500.00	7,875.00	14,504.70	7,950.00	185.94	185.78	-97.26	-949.84	7,085.44	595.71	226.93	368.77	1.615	
14,600.00	7,875.00	14,604.70	7,950.00	188.59	188.43	-97.27	-951.25	7,185.43	595.44	221.40	374.05	1.592	
14,700.00	7,875.00	14,704.70	7,950.00	191.23	191.09	-97.27	-952.65	7,285.42	595.18	215.86	379.33	1.569	
14,800.00	7,875.00	14,804.70	7,950.00	193.89	193.75	-97.27	-954.06	7,385.41	594.92	210.32	384.60	1.547	
14,900.00	7,875.00	14,904.70	7,950.00	196.54	196.41	-97.27	-955.47	7,485.40	594.66	204.77	389.89	1.525	
15,000.00	7,875.00	15,004.70	7,950.00	199.19	199.07	-97.28	-956.87	7,585.38	594.40	199.23	395.17	1.504	
15,100.00	7,875.00	15,104.70	7,950.00	201.84	201.73	-97.28	-958.28	7,685.37	594.13	193.68	400.45	1.484	Level 3
15,200.00	7,875.00	15,204.70	7,950.00	204.50	204.40	-97.28	-959.69	7,785.36	593.87	188.14	405.74	1.464	Level 3
15,300.00	7,875.00	15,295.30	7,950.00	207.15	206.81	-97.29	-961.09	7,885.35	593.61	182.84	410.77	1.445	Level 3
15,400.00	7,875.00	15,404.70	7,950.00	209.81	209.72	-97.29	-962.50	7,985.34	593.35	177.04	416.31	1.425	Level 3
15,500.00	7,875.00	15,504.70	7,950.00	212.47	212.39	-97.29	-963.90	8,085.33	593.09	171.48	421.60	1.407	Level 3
15,600.00	7,875.00	15,604.70	7,950.00	215.13	215.05	-97.30	-965.31	8,185.32	592.82	165.93	426.89	1.389	Level 3
15,700.00	7,875.00	15,704.70	7,950.00	217.79	217.72	-97.30	-966.72	8,285.31	592.56	160.38	432.19	1.371	Level 3
15,800.00	7,875.00	15,804.70	7,950.00	220.45	220.39	-97.30	-968.12	8,385.30	592.30	154.82	437.48	1.354	Level 3
15,900.00	7,875.00	15,904.70	7,950.00	223.11	223.06	-97.31	-969.53	8,485.29	592.04	149.26	442.77	1.337	Level 3
16,000.00	7,875.00	16,004.70	7,950.00	225.77	225.73	-97.31	-970.93	8,585.28	591.78	143.71	448.07	1.321	Level 3
16,100.00	7,875.00	16,104.70	7,950.00	228.44	228.39	-97.31	-972.34	8,685.27	591.51	138.15	453.37	1.305	Level 3
16,200.00	7,875.00	16,204.70	7,950.00	231.10	231.06	-97.32	-973.75	8,785.26	591.25	132.59	458.66	1.289	Level 3
16,300.00	7,875.00	16,304.70	7,950.00	233.76	233.74	-97.32	-975.15	8,885.25	590.99	127.03	463.96	1.274	Level 3
16,400.00	7,875.00	16,395.30	7,950.00	236.43	236.15	-97.32	-976.56	8,985.24	590.73	121.71	469.01	1.260	Level 3
16,500.00	7,875.00	16,504.71	7,950.00	239.09	239.08	-97.33	-977.96	9,085.23	590.47	115.90	474.56	1.244	Level 2
16,600.00	7,875.00	16,604.71	7,950.00	241.76	241.75	-97.33	-979.37	9,185.22	590.20	110.34	479.87	1.230	Level 2
16,700.00	7,875.00	16,704.71	7,950.00	244.43	244.42	-97.33	-980.78	9,285.21	589.94	104.77	485.17	1.216	Level 2
16,800.00	7,875.00	16,804.71	7,950.00	247.10	247.10	-97.34	-982.18	9,385.20	589.68	99.21	490.47	1.202	Level 2
16,900.00	7,875.00	16,904.71	7,950.00	249.76	249.77	-97.34	-983.59	9,485.19	589.42	93.64	495.78	1.189	Level 2
17,000.00	7,875.00	17,004.71	7,950.00	252.43	252.44	-97.34	-985.00	9,585.18	589.16	88.07	501.08	1.176	Level 2
17,100.00	7,875.00	17,104.71	7,950.00	255.10	255.12	-97.35	-986.40	9,685.17	588.89	82.51	506.39	1.163	Level 2
17,200.00	7,875.00	17,204.71	7,950.00	257.77	257.79	-97.35	-987.81	9,785.16	588.63	76.94	511.70	1.150	Level 2
17,300.00	7,875.00	17,304.71	7,950.00	260.44	260.47	-97.35	-989.21	9,885.15	588.37	71.37	517.00	1.138	Level 2
17,400.00	7,875.00	17,395.29	7,950.00	263.11	262.89	-97.36	-990.62	9,985.14	588.11	66.05	522.06	1.127	Level 2
17,500.00	7,875.00	17,504.71	7,950.00	265.79	265.82	-97.36	-992.03	10,085.13	587.85	60.23	527.62	1.114	Level 2
17,600.00	7,875.00	17,604.71	7,950.00	268.46	268.50	-97.36	-993.43	10,185.12	587.59	54.66	532.93	1.103	Level 2
17,700.00	7,875.00	17,704.71	7,950.00	271.13	271.17	-97.37	-994.84	10,285.11	587.32	49.08	538.24	1.091	Level 2
17,800.00	7,875.00	17,804.71	7,950.00	273.80	273.85	-97.37	-996.24	10,385.10	587.06	43.51	543.55	1.080	Level 2
17,900.00	7,875.00	17,904.71	7,950.00	276.48	276.53	-97.37	-997.65	10,485.09	586.80	37.94	548.86	1.069	Level 2
18,000.00	7,875.00	18,004.71	7,950.00	279.15	279.21	-97.38	-999.06	10,585.08	586.54	32.36	554.17	1.058	Level 2
18,100.00	7,875.00	18,104.71	7,950.00	281.82	281.89	-97.38	-1,000.46	10,685.07	586.28	26.79	559.48	1.048	Level 2
18,200.00	7,875.00	18,204.71	7,950.00	284.50	284.56	-97.38	-1,001.87	10,785.06	586.01	21.22	564.80	1.038	Level 2
18,263.28	7,875.00	18,258.57	7,950.00	286.19	286.01	-97.38	-1,002.76	10,848.33	585.85	17.94	567.91	1.032	Level 2, ES, SF
18,265.67	7,875.00	18,255.08	7,950.00	286.26	285.91	-97.38	-1,002.71	10,844.84	585.87	18.26	567.61	1.032	Level 2

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3AH
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 3AH	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 3BH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	180.00	-50.27	0.00	50.27					
100.00	100.00	100.00	100.00	0.13	0.13	180.00	-50.27	0.00	50.27	50.00	0.27	186.975		
200.00	200.00	200.00	200.00	0.49	0.49	180.00	-50.27	0.00	50.27	49.28	0.99	50.993		
250.00	250.00	250.00	250.00	0.67	0.67	180.00	-50.27	0.00	50.27	48.92	1.34	37.395		
300.00	300.00	299.15	299.15	0.84	0.84	14.91	-50.68	0.08	50.27	48.58	1.68	29.848		
400.00	399.93	397.46	397.40	1.19	1.18	15.17	-53.99	0.73	50.26	47.91	2.36	21.335		
500.00	499.68	495.77	495.47	1.54	1.52	15.71	-60.61	2.02	50.26	47.21	3.05	16.498		
577.16	576.45	571.63	570.96	1.83	1.81	16.30	-67.97	3.46	50.25	46.67	3.59	14.009 CC		
600.00	599.13	594.08	593.26	1.92	1.89	16.50	-70.52	3.96	50.25	46.51	3.75	13.413		
700.00	698.15	692.40	690.64	2.31	2.28	17.57	-83.73	6.54	50.27	45.81	4.46	11.278		
800.00	796.63	790.72	787.52	2.74	2.70	18.89	-100.20	9.76	50.31	45.13	5.18	9.712		
833.76	829.73	823.92	820.09	2.89	2.85	19.39	-106.50	11.00	50.33	44.90	5.43	9.272		
900.00	894.60	889.04	883.76	3.20	3.15	20.18	-119.93	13.62	51.11	45.19	5.92	8.637		
1,000.00	992.53	987.23	979.12	3.67	3.64	20.43	-142.85	18.11	55.02	48.36	6.66	8.259		
1,100.00	1,090.46	1,086.26	1,074.61	4.14	4.16	19.89	-168.62	23.15	61.64	54.21	7.42	8.304		
1,200.00	1,188.39	1,186.02	1,170.72	4.62	4.70	19.39	-194.85	28.27	68.52	60.31	8.21	8.348		
1,300.00	1,286.32	1,285.79	1,266.84	5.11	5.25	18.98	-221.07	33.40	75.40	66.41	9.00	8.382		
1,400.00	1,384.25	1,385.55	1,362.96	5.60	5.81	18.64	-247.29	38.53	82.29	72.51	9.79	8.409		
1,500.00	1,482.18	1,485.31	1,459.07	6.09	6.37	18.36	-273.51	43.66	89.19	78.61	10.58	8.430		
1,600.00	1,580.12	1,585.07	1,555.19	6.58	6.94	18.11	-299.73	48.78	96.08	84.71	11.37	8.448		
1,700.00	1,678.05	1,684.83	1,651.31	7.07	7.50	17.90	-325.95	53.91	102.98	90.81	12.17	8.462		
1,800.00	1,775.98	1,784.59	1,747.43	7.57	8.07	17.71	-352.17	59.04	109.87	96.91	12.97	8.473		
1,900.00	1,873.91	1,884.35	1,843.54	8.06	8.64	17.55	-378.39	64.17	116.77	103.01	13.77	8.483		
2,000.00	1,971.84	1,984.11	1,939.66	8.55	9.22	17.40	-404.61	69.30	123.67	109.10	14.56	8.491		
2,100.00	2,069.77	2,083.88	2,035.78	9.05	9.79	17.27	-430.83	74.42	130.57	115.20	15.36	8.498		
2,200.00	2,167.70	2,183.64	2,131.89	9.55	10.37	17.15	-457.05	79.55	137.47	121.30	16.16	8.505		
2,300.00	2,265.63	2,283.40	2,228.01	10.04	10.94	17.05	-483.28	84.68	144.37	127.40	16.96	8.510		
2,400.00	2,363.56	2,383.16	2,324.13	10.54	11.52	16.95	-509.50	89.81	151.27	133.50	17.77	8.515		
2,500.00	2,461.49	2,482.92	2,420.25	11.04	12.10	16.86	-535.72	94.93	158.17	139.60	18.57	8.519		
2,600.00	2,559.43	2,582.68	2,516.36	11.54	12.67	16.78	-561.94	100.06	165.07	145.70	19.37	8.522		
2,700.00	2,657.36	2,682.44	2,612.48	12.03	13.25	16.71	-588.16	105.19	171.98	151.80	20.17	8.526		
2,800.00	2,755.29	2,782.20	2,708.60	12.53	13.83	16.64	-614.38	110.32	178.88	157.90	20.97	8.529		
2,900.00	2,853.22	2,881.97	2,804.71	13.03	14.41	16.58	-640.60	115.45	185.78	164.00	21.78	8.531		
3,000.00	2,951.15	2,981.73	2,900.83	13.53	14.99	16.52	-666.82	120.57	192.68	170.10	22.58	8.534		
3,100.00	3,049.08	3,081.49	2,996.95	14.03	15.57	16.46	-693.04	125.70	199.59	176.20	23.38	8.536		
3,200.00	3,147.01	3,181.25	3,093.06	14.52	16.15	16.41	-719.26	130.83	206.49	182.30	24.19	8.538		
3,300.00	3,244.94	3,281.01	3,189.18	15.02	16.73	16.36	-745.48	135.96	213.39	188.40	24.99	8.539		
3,400.00	3,342.87	3,380.77	3,285.30	15.52	17.31	16.32	-771.70	141.08	220.30	194.50	25.79	8.541		
3,500.00	3,440.80	3,480.53	3,381.42	16.02	17.89	16.28	-797.93	146.21	227.20	200.60	26.60	8.543		
3,600.00	3,538.74	3,580.30	3,477.53	16.52	18.47	16.24	-824.15	151.34	234.10	206.70	27.40	8.544		
3,700.00	3,636.67	3,680.06	3,573.65	17.02	19.05	16.20	-850.37	156.47	241.01	212.80	28.20	8.545		
3,800.00	3,734.60	3,779.82	3,669.77	17.52	19.63	16.17	-876.59	161.60	247.91	218.90	29.01	8.546		
3,900.00	3,832.53	3,879.58	3,765.88	18.02	20.21	16.13	-902.81	166.72	254.81	225.00	29.81	8.548		
4,000.00	3,930.46	3,979.34	3,862.00	18.52	20.79	16.10	-929.03	171.85	261.72	231.10	30.62	8.549		
4,100.00	4,028.39	4,079.10	3,958.12	19.02	21.37	16.07	-955.25	176.98	268.62	237.20	31.42	8.550		
4,200.00	4,126.32	4,178.86	4,054.24	19.52	21.95	16.04	-981.47	182.11	275.53	243.30	32.22	8.550		
4,300.00	4,224.25	4,278.62	4,150.35	20.01	22.53	16.02	-1,007.69	187.23	282.43	249.40	33.03	8.551		
4,400.00	4,322.18	4,378.39	4,246.47	20.51	23.11	15.99	-1,033.91	192.36	289.33	255.50	33.83	8.552		
4,500.00	4,420.11	4,478.15	4,342.59	21.01	23.69	15.97	-1,060.13	197.49	296.24	261.60	34.64	8.553		
4,600.00	4,518.05	4,577.91	4,438.70	21.51	24.27	15.94	-1,086.35	202.62	303.14	267.70	35.44	8.553		
4,700.00	4,615.98	4,677.67	4,534.82	22.01	24.85	15.92	-1,112.58	207.75	310.05	273.80	36.25	8.554		
4,800.00	4,713.91	4,777.43	4,630.94	22.51	25.44	15.90	-1,138.80	212.87	316.95	279.90	37.05	8.555		

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 3AH
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 3AH	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 3BH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,900.00	4,811.84	4,877.19	4,727.05	23.01	26.02	15.88	-1,165.02	218.00	323.86	286.00	37.85	8.555		
5,000.00	4,909.77	4,976.95	4,823.17	23.51	26.60	15.86	-1,191.24	223.13	330.76	292.10	38.66	8.556		
5,100.00	5,007.70	5,076.71	4,919.29	24.01	27.18	15.84	-1,217.46	228.26	337.67	298.20	39.46	8.556		
5,200.00	5,105.63	5,176.48	5,015.41	24.51	27.76	15.82	-1,243.68	233.38	344.57	304.30	40.27	8.557		
5,300.00	5,203.56	5,276.24	5,111.52	25.01	28.34	15.80	-1,269.90	238.51	351.47	310.40	41.07	8.557		
5,400.00	5,301.49	5,376.00	5,207.64	25.51	28.92	15.79	-1,296.12	243.64	358.38	316.50	41.88	8.558		
5,500.00	5,399.43	5,475.76	5,303.76	26.01	29.51	15.77	-1,322.34	248.77	365.28	322.60	42.68	8.558		
5,600.00	5,497.36	5,575.52	5,399.87	26.51	30.09	15.75	-1,348.56	253.89	372.19	328.70	43.49	8.559		
5,700.00	5,595.29	5,675.28	5,495.99	27.01	30.67	15.74	-1,374.78	259.02	379.09	334.80	44.29	8.559		
5,800.00	5,693.22	5,775.04	5,592.11	27.51	31.25	15.73	-1,401.00	264.15	386.00	340.90	45.10	8.559		
5,900.00	5,791.15	5,874.80	5,688.23	28.01	31.83	15.71	-1,427.23	269.28	392.90	347.00	45.90	8.560		
6,000.00	5,889.08	5,974.57	5,784.34	28.51	32.41	15.70	-1,453.45	274.41	399.81	353.10	46.71	8.560		
6,100.00	5,987.01	6,074.33	5,880.46	29.01	33.00	15.69	-1,479.67	279.53	406.71	359.20	47.51	8.560		
6,200.00	6,084.94	6,174.09	5,976.58	29.51	33.58	15.67	-1,505.89	284.66	413.62	365.30	48.32	8.561		
6,300.00	6,182.87	6,273.85	6,072.69	30.01	34.16	15.66	-1,532.11	289.79	420.52	371.40	49.12	8.561		
6,400.00	6,280.80	6,373.61	6,168.81	30.51	34.74	15.65	-1,558.33	294.92	427.43	377.50	49.93	8.561		
6,500.00	6,378.74	6,473.37	6,264.93	31.01	35.32	15.64	-1,584.55	300.04	434.33	383.60	50.73	8.561		
6,600.00	6,476.67	6,573.13	6,361.04	31.51	35.91	15.63	-1,610.77	305.17	441.24	389.70	51.54	8.562		
6,700.00	6,574.60	6,672.90	6,457.16	32.01	36.49	15.62	-1,636.99	310.30	448.14	395.80	52.34	8.562		
6,800.00	6,672.53	6,772.66	6,553.28	32.51	37.07	15.61	-1,663.21	315.43	455.05	401.90	53.15	8.562		
6,900.00	6,770.46	6,872.42	6,649.40	33.01	37.65	15.60	-1,689.43	320.56	461.95	408.00	53.95	8.562		
7,000.00	6,868.39	6,972.18	6,745.51	33.51	38.23	15.59	-1,715.66	325.68	468.86	414.10	54.76	8.562		
7,100.00	6,966.32	7,071.94	6,841.63	34.01	38.82	15.58	-1,741.88	330.81	475.76	420.20	55.56	8.563		
7,200.00	7,064.25	7,171.70	6,937.75	34.51	39.40	15.57	-1,768.10	335.94	482.67	426.30	56.37	8.563		
7,300.00	7,162.18	7,271.46	7,033.86	35.01	39.98	15.56	-1,794.32	341.07	489.57	432.40	57.17	8.563		
7,400.00	7,260.11	7,371.22	7,129.98	35.51	40.56	15.55	-1,820.54	346.19	496.48	438.50	57.98	8.563		
7,485.17	7,343.52	7,456.19	7,211.84	35.94	41.06	15.54	-1,842.87	350.56	502.36	443.69	58.66	8.563		
7,500.00	7,358.03	7,470.98	7,226.10	36.01	41.14	22.13	-1,846.76	351.32	503.38	444.60	58.79	8.563		
7,550.00	7,406.68	7,520.73	7,274.02	36.27	41.43	40.20	-1,859.83	353.88	506.86	447.59	59.27	8.552		
7,600.00	7,454.62	7,569.99	7,321.48	36.54	41.72	52.46	-1,872.78	356.41	510.43	450.58	59.85	8.528		
7,650.00	7,501.47	7,618.38	7,368.11	36.81	42.00	60.99	-1,885.50	358.90	514.25	453.70	60.55	8.493		
7,700.00	7,546.90	7,665.53	7,413.54	37.08	42.28	67.37	-1,897.89	361.32	518.59	457.20	61.39	8.448		
7,750.00	7,590.54	7,715.05	7,461.17	37.36	42.57	72.56	-1,910.90	364.95	523.66	461.26	62.39	8.393		
7,800.00	7,632.07	7,767.82	7,511.40	37.65	42.89	76.82	-1,924.67	373.31	529.27	465.77	63.50	8.335		
7,850.00	7,671.18	7,822.86	7,562.76	37.94	43.23	80.39	-1,938.80	387.09	535.31	470.68	64.64	8.282		
7,900.00	7,707.56	7,880.43	7,614.83	38.23	43.58	83.47	-1,953.20	406.90	541.68	475.92	65.76	8.237		
7,950.00	7,740.93	7,940.75	7,667.03	38.53	43.96	86.17	-1,967.71	433.36	548.22	481.42	66.80	8.207		
8,000.00	7,771.06	8,004.03	7,718.57	38.84	44.35	88.55	-1,982.13	467.07	554.79	487.08	67.71	8.193		
8,050.00	7,797.69	8,070.45	7,768.43	39.16	44.76	90.66	-1,996.17	508.57	561.18	492.75	68.44	8.200		
8,100.00	7,820.64	8,140.08	7,815.35	39.50	45.20	92.50	-2,009.51	558.20	567.21	498.27	68.94	8.228		
8,150.00	7,839.72	8,212.90	7,857.81	39.85	45.65	94.07	-2,021.73	616.02	572.65	503.42	69.23	8.272		
8,200.00	7,854.80	8,288.72	7,894.12	40.22	46.13	95.36	-2,032.36	681.66	577.30	507.96	69.34	8.326		
8,250.00	7,865.75	8,367.17	7,922.53	40.60	46.64	96.35	-2,040.92	754.22	580.95	511.60	69.34	8.378		
8,300.00	7,872.50	8,447.68	7,941.45	41.01	47.18	97.02	-2,046.97	832.17	583.43	514.08	69.35	8.413		
8,354.11	7,875.00	8,536.24	7,949.87	41.47	47.79	97.36	-2,050.26	920.18	584.66	515.18	69.49	8.414		
8,400.00	7,875.00	8,586.96	7,950.00	41.89	48.16	97.37	-2,050.88	970.90	584.70	514.16	70.53	8.290		
8,500.00	7,875.00	8,686.96	7,950.00	42.90	48.97	97.37	-2,052.02	1,070.89	584.70	511.33	73.37	7.969		
8,600.00	7,875.00	8,786.96	7,950.00	44.06	49.89	97.37	-2,053.16	1,170.89	584.70	508.23	76.47	7.646		
8,700.00	7,875.00	8,886.96	7,950.00	45.36	50.93	97.37	-2,054.31	1,270.88	584.70	504.89	79.81	7.326		
8,800.00	7,875.00	8,986.96	7,950.00	46.80	52.09	97.37	-2,055.45	1,370.87	584.70	501.34	83.35	7.015		
8,900.00	7,875.00	9,086.96	7,950.00	48.37	53.38	97.37	-2,056.59	1,470.87	584.70	497.61	87.09	6.714		
9,000.00	7,875.00	9,186.96	7,950.00	50.05	54.78	97.37	-2,057.73	1,570.86	584.70	493.72	90.98	6.427		

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 3AH
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 3AH	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 3BH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,100.00	7,875.00	9,286.96	7,950.00	51.83	56.30	97.37	-2,058.87	1,670.85	584.70	489.68	95.02	6.154		
9,200.00	7,875.00	9,386.96	7,950.00	53.70	57.91	97.37	-2,060.02	1,770.85	584.70	485.52	99.18	5.895		
9,300.00	7,875.00	9,486.96	7,950.00	55.65	59.63	97.37	-2,061.16	1,870.84	584.70	481.25	103.45	5.652		
9,400.00	7,875.00	9,586.96	7,950.00	57.66	61.42	97.37	-2,062.30	1,970.84	584.70	476.89	107.81	5.423		
9,500.00	7,875.00	9,686.96	7,950.00	59.74	63.30	97.37	-2,063.44	2,070.83	584.70	472.43	112.27	5.208		
9,600.00	7,875.00	9,786.96	7,950.00	61.88	65.25	97.37	-2,064.59	2,170.82	584.70	467.91	116.79	5.006		
9,700.00	7,875.00	9,886.96	7,950.00	64.06	67.26	97.37	-2,065.73	2,270.82	584.70	463.31	121.39	4.817		
9,800.00	7,875.00	9,986.96	7,950.00	66.28	69.32	97.37	-2,066.87	2,370.81	584.70	458.66	126.04	4.639		
9,900.00	7,875.00	10,086.96	7,950.00	68.54	71.44	97.37	-2,068.01	2,470.80	584.70	453.95	130.75	4.472		
10,000.00	7,875.00	10,186.96	7,950.00	70.84	73.60	97.37	-2,069.16	2,570.80	584.70	449.20	135.50	4.315		
10,100.00	7,875.00	10,286.96	7,950.00	73.16	75.80	97.37	-2,070.30	2,670.79	584.70	444.40	140.30	4.168		
10,200.00	7,875.00	10,386.96	7,950.00	75.51	78.04	97.37	-2,071.44	2,770.78	584.70	439.57	145.13	4.029		
10,300.00	7,875.00	10,486.96	7,950.00	77.89	80.31	97.37	-2,072.58	2,870.78	584.70	434.70	150.01	3.898		
10,400.00	7,875.00	10,586.96	7,950.00	80.29	82.61	97.37	-2,073.73	2,970.77	584.70	429.80	154.91	3.775		
10,500.00	7,875.00	10,686.96	7,950.00	82.70	84.94	97.37	-2,074.87	3,070.76	584.70	424.86	159.84	3.658		
10,600.00	7,875.00	10,786.96	7,950.00	85.14	87.29	97.37	-2,076.01	3,170.76	584.70	419.91	164.80	3.548		
10,700.00	7,875.00	10,886.96	7,950.00	87.59	89.66	97.37	-2,077.15	3,270.75	584.70	414.93	169.78	3.444		
10,800.00	7,875.00	10,986.96	7,950.00	90.06	92.05	97.37	-2,078.29	3,370.74	584.70	409.92	174.78	3.345		
10,900.00	7,875.00	11,086.96	7,950.00	92.53	94.46	97.37	-2,079.44	3,470.74	584.70	404.90	179.80	3.252		
11,000.00	7,875.00	11,186.96	7,950.00	95.03	96.89	97.37	-2,080.58	3,570.73	584.71	399.86	184.85	3.163		
11,100.00	7,875.00	11,286.96	7,950.00	97.53	99.34	97.37	-2,081.72	3,670.72	584.71	394.80	189.90	3.079		
11,200.00	7,875.00	11,386.96	7,950.00	100.04	101.79	97.37	-2,082.86	3,770.72	584.71	389.73	194.98	2.999		
11,300.00	7,875.00	11,486.96	7,950.00	102.57	104.26	97.37	-2,084.01	3,870.71	584.71	384.64	200.07	2.923		
11,400.00	7,875.00	11,586.96	7,950.00	105.10	106.74	97.37	-2,085.15	3,970.70	584.71	379.54	205.17	2.850		
11,500.00	7,875.00	11,686.96	7,950.00	107.64	109.24	97.37	-2,086.29	4,070.70	584.71	374.43	210.28	2.781		
11,600.00	7,875.00	11,786.96	7,950.00	110.19	111.74	97.37	-2,087.43	4,170.69	584.71	369.30	215.41	2.714		
11,700.00	7,875.00	11,886.96	7,950.00	112.74	114.25	97.37	-2,088.58	4,270.69	584.71	364.16	220.54	2.651		
11,800.00	7,875.00	11,986.96	7,950.00	115.31	116.77	97.37	-2,089.72	4,370.68	584.71	359.02	225.69	2.591		
11,900.00	7,875.00	12,086.96	7,950.00	117.87	119.30	97.37	-2,090.86	4,470.67	584.71	353.86	230.84	2.533		
12,000.00	7,875.00	12,186.96	7,950.00	120.45	121.84	97.37	-2,092.00	4,570.67	584.71	348.70	236.01	2.477		
12,100.00	7,875.00	12,286.96	7,950.00	123.03	124.38	97.37	-2,093.15	4,670.66	584.71	343.53	241.18	2.424		
12,200.00	7,875.00	12,386.96	7,950.00	125.61	126.93	97.37	-2,094.29	4,770.65	584.71	338.35	246.36	2.373		
12,300.00	7,875.00	12,486.96	7,950.00	128.20	129.49	97.37	-2,095.43	4,870.65	584.71	333.16	251.55	2.324		
12,400.00	7,875.00	12,586.96	7,950.00	130.79	132.05	97.37	-2,096.57	4,970.64	584.71	327.97	256.74	2.277		
12,500.00	7,875.00	12,686.96	7,950.00	133.39	134.62	97.37	-2,097.72	5,070.63	584.71	322.77	261.94	2.232		
12,600.00	7,875.00	12,786.96	7,950.00	135.99	137.20	97.37	-2,098.86	5,170.63	584.71	317.57	267.15	2.189		
12,700.00	7,875.00	12,886.96	7,950.00	138.60	139.77	97.37	-2,100.00	5,270.62	584.71	312.35	272.36	2.147		
12,800.00	7,875.00	12,986.96	7,950.00	141.21	142.36	97.37	-2,101.14	5,370.61	584.71	307.14	277.57	2.107		
12,900.00	7,875.00	13,086.96	7,950.00	143.82	144.94	97.37	-2,102.28	5,470.61	584.71	301.92	282.80	2.068		
13,000.00	7,875.00	13,186.96	7,950.00	146.43	147.53	97.37	-2,103.43	5,570.60	584.71	296.69	288.02	2.030		
13,100.00	7,875.00	13,286.96	7,950.00	149.05	150.13	97.37	-2,104.57	5,670.59	584.71	291.46	293.25	1.994		
13,200.00	7,875.00	13,386.96	7,950.00	151.67	152.73	97.37	-2,105.71	5,770.59	584.71	286.23	298.49	1.959		
13,300.00	7,875.00	13,486.96	7,950.00	154.30	155.33	97.37	-2,106.85	5,870.58	584.71	280.99	303.73	1.925		
13,400.00	7,875.00	13,586.96	7,950.00	156.92	157.94	97.37	-2,108.00	5,970.57	584.71	275.74	308.97	1.892		
13,500.00	7,875.00	13,686.96	7,950.00	159.55	160.54	97.37	-2,109.14	6,070.57	584.71	270.50	314.22	1.861		
13,600.00	7,875.00	13,786.96	7,950.00	162.18	163.16	97.37	-2,110.28	6,170.56	584.71	265.25	319.47	1.830		
13,700.00	7,875.00	13,886.96	7,950.00	164.81	165.77	97.37	-2,111.42	6,270.55	584.72	260.00	324.72	1.801		
13,800.00	7,875.00	13,986.96	7,950.00	167.45	168.39	97.37	-2,112.57	6,370.55	584.72	254.74	329.98	1.772		
13,900.00	7,875.00	14,086.96	7,950.00	170.08	171.01	97.37	-2,113.71	6,470.54	584.72	249.48	335.23	1.744		
14,000.00	7,875.00	14,186.96	7,950.00	172.72	173.63	97.37	-2,114.85	6,570.54	584.72	244.22	340.50	1.717		
14,100.00	7,875.00	14,286.96	7,950.00	175.36	176.25	97.37	-2,115.99	6,670.53	584.72	238.96	345.76	1.691		
14,200.00	7,875.00	14,386.96	7,950.00	178.00	178.88	97.37	-2,117.14	6,770.52	584.72	233.69	351.03	1.666		

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 3AH
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 3AH	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 3BH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,875.00	14,486.96	7,950.00	180.65	181.51	97.37	-2,118.28	6,870.52	584.72	228.42	356.30	1.641		
14,400.00	7,875.00	14,586.96	7,950.00	183.29	184.14	97.37	-2,119.42	6,970.51	584.72	223.15	361.57	1.617		
14,500.00	7,875.00	14,686.96	7,950.00	185.94	186.77	97.37	-2,120.56	7,070.50	584.72	217.87	366.85	1.594		
14,600.00	7,875.00	14,786.96	7,950.00	188.59	189.40	97.37	-2,121.71	7,170.50	584.72	212.60	372.12	1.571		
14,700.00	7,875.00	14,886.96	7,950.00	191.23	192.04	97.37	-2,122.85	7,270.49	584.72	207.32	377.40	1.549		
14,800.00	7,875.00	14,986.96	7,950.00	193.89	194.68	97.37	-2,123.99	7,370.48	584.72	202.04	382.68	1.528		
14,900.00	7,875.00	15,086.96	7,950.00	196.54	197.32	97.37	-2,125.13	7,470.48	584.72	196.76	387.96	1.507		
15,000.00	7,875.00	15,186.96	7,950.00	199.19	199.96	97.37	-2,126.27	7,570.47	584.72	191.47	393.25	1.487 Level 3		
15,100.00	7,875.00	15,286.96	7,950.00	201.84	202.60	97.37	-2,127.42	7,670.46	584.72	186.19	398.53	1.467 Level 3		
15,200.00	7,875.00	15,386.96	7,950.00	204.50	205.24	97.37	-2,128.56	7,770.46	584.72	180.90	403.82	1.448 Level 3		
15,300.00	7,875.00	15,486.96	7,950.00	207.15	207.89	97.37	-2,129.70	7,870.45	584.72	175.61	409.11	1.429 Level 3		
15,400.00	7,875.00	15,586.96	7,950.00	209.81	210.53	97.37	-2,130.84	7,970.44	584.72	170.32	414.40	1.411 Level 3		
15,500.00	7,875.00	15,686.96	7,950.00	212.47	213.18	97.37	-2,131.99	8,070.44	584.72	165.03	419.69	1.393 Level 3		
15,600.00	7,875.00	15,786.96	7,950.00	215.13	215.83	97.37	-2,133.13	8,170.43	584.72	159.73	424.99	1.376 Level 3		
15,700.00	7,875.00	15,886.96	7,950.00	217.79	218.48	97.37	-2,134.27	8,270.42	584.72	154.44	430.28	1.359 Level 3		
15,800.00	7,875.00	15,986.96	7,950.00	220.45	221.13	97.37	-2,135.41	8,370.42	584.72	149.14	435.58	1.342 Level 3		
15,900.00	7,875.00	16,086.96	7,950.00	223.11	223.78	97.37	-2,136.56	8,470.41	584.72	143.85	440.88	1.326 Level 3		
16,000.00	7,875.00	16,186.96	7,950.00	225.77	226.43	97.37	-2,137.70	8,570.40	584.72	138.55	446.18	1.311 Level 3		
16,100.00	7,875.00	16,286.96	7,950.00	228.44	229.09	97.37	-2,138.84	8,670.40	584.72	133.25	451.48	1.295 Level 3		
16,200.00	7,875.00	16,386.96	7,950.00	231.10	231.74	97.37	-2,139.98	8,770.39	584.72	127.95	456.78	1.280 Level 3		
16,300.00	7,875.00	16,486.96	7,950.00	233.76	234.40	97.37	-2,141.13	8,870.39	584.72	122.64	462.08	1.265 Level 3		
16,400.00	7,875.00	16,586.96	7,950.00	236.43	237.06	97.37	-2,142.27	8,970.38	584.73	117.34	467.39	1.251 Level 3		
16,500.00	7,875.00	16,686.96	7,950.00	239.09	239.71	97.37	-2,143.41	9,070.37	584.73	112.04	472.69	1.237 Level 2		
16,600.00	7,875.00	16,786.96	7,950.00	241.76	242.37	97.37	-2,144.55	9,170.37	584.73	106.73	478.00	1.223 Level 2		
16,700.00	7,875.00	16,886.96	7,950.00	244.43	245.03	97.37	-2,145.69	9,270.36	584.73	101.42	483.30	1.210 Level 2		
16,800.00	7,875.00	16,986.96	7,950.00	247.10	247.69	97.37	-2,146.84	9,370.35	584.73	96.12	488.61	1.197 Level 2		
16,900.00	7,875.00	17,086.96	7,950.00	249.76	250.35	97.37	-2,147.98	9,470.35	584.73	90.81	493.92	1.184 Level 2		
17,000.00	7,875.00	17,186.96	7,950.00	252.43	253.01	97.37	-2,149.12	9,570.34	584.73	85.50	499.23	1.171 Level 2		
17,100.00	7,875.00	17,286.96	7,950.00	255.10	255.68	97.37	-2,150.26	9,670.33	584.73	80.19	504.54	1.159 Level 2		
17,200.00	7,875.00	17,386.96	7,950.00	257.77	258.34	97.37	-2,151.41	9,770.33	584.73	74.88	509.85	1.147 Level 2		
17,300.00	7,875.00	17,486.96	7,950.00	260.44	261.00	97.37	-2,152.55	9,870.32	584.73	69.57	515.16	1.135 Level 2		
17,400.00	7,875.00	17,586.96	7,950.00	263.11	263.67	97.37	-2,153.69	9,970.31	584.73	64.25	520.48	1.123 Level 2		
17,500.00	7,875.00	17,686.96	7,950.00	265.79	266.33	97.37	-2,154.83	10,070.31	584.73	58.94	525.79	1.112 Level 2		
17,600.00	7,875.00	17,786.96	7,950.00	268.46	269.00	97.37	-2,155.98	10,170.30	584.73	53.63	531.10	1.101 Level 2		
17,700.00	7,875.00	17,886.96	7,950.00	271.13	271.66	97.37	-2,157.12	10,270.29	584.73	48.31	536.42	1.090 Level 2		
17,800.00	7,875.00	17,986.96	7,950.00	273.80	274.33	97.37	-2,158.26	10,370.29	584.73	43.00	541.73	1.079 Level 2		
17,900.00	7,875.00	18,086.96	7,950.00	276.48	277.00	97.37	-2,159.40	10,470.28	584.73	37.68	547.05	1.069 Level 2		
18,000.00	7,875.00	18,186.96	7,950.00	279.15	279.66	97.37	-2,160.55	10,570.27	584.73	32.36	552.37	1.059 Level 2		
18,100.00	7,875.00	18,286.96	7,950.00	281.82	282.33	97.37	-2,161.69	10,670.27	584.73	27.05	557.68	1.048 Level 2		
18,200.00	7,875.00	18,386.96	7,950.00	284.50	285.00	97.37	-2,162.83	10,770.26	584.73	21.73	563.00	1.039 Level 2		
18,265.67	7,875.00	18,452.63	7,950.00	286.26	286.75	97.37	-2,163.58	10,835.93	584.73	18.24	566.50	1.032 Level 2, ES, SF		

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3AH
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 3AH	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	179.84	-100.18	0.28	100.18					
100.00	100.00	100.10	99.90	0.13	0.13	179.84	-100.18	0.28	100.18	99.91	0.27	372.116		
200.00	200.00	200.10	199.90	0.49	0.49	179.84	-100.18	0.28	100.18	99.19	0.99	101.585		
250.00	250.00	249.90	249.90	0.67	0.67	179.84	-100.18	0.28	100.18	98.83	1.34	74.542		
300.00	300.00	298.23	298.23	0.84	0.84	14.74	-100.58	0.34	100.17	98.49	1.68	59.593		
400.00	399.93	394.89	394.83	1.19	1.17	14.95	-103.80	0.84	100.13	97.78	2.35	42.660		
500.00	499.68	491.55	491.27	1.54	1.51	15.37	-110.24	1.84	100.05	97.02	3.03	33.006		
600.00	599.13	588.22	587.44	1.92	1.87	16.00	-119.89	3.34	99.94	96.22	3.73	26.830		
700.00	698.15	684.89	683.23	2.31	2.25	16.85	-132.74	5.33	99.83	95.40	4.43	22.544		
800.00	796.63	781.58	778.53	2.74	2.66	17.90	-148.77	7.81	99.71	94.57	5.14	19.391		
833.76	829.73	814.22	810.58	2.89	2.81	18.30	-154.91	8.76	99.67	94.29	5.39	18.506		
836.76	832.66	817.11	813.42	2.91	2.82	18.34	-155.47	8.85	99.67	94.26	5.41	18.431 CC, ES		
900.00	894.60	878.26	873.24	3.20	3.10	19.02	-167.98	10.79	100.34	94.47	5.87	17.097		
1,000.00	992.53	974.84	967.13	3.67	3.58	19.73	-190.31	14.25	104.09	97.49	6.60	15.760		
1,100.00	1,090.46	1,071.08	1,059.89	4.14	4.08	19.96	-215.66	18.18	111.12	103.78	7.34	15.138		
1,200.00	1,188.39	1,166.79	1,151.22	4.62	4.63	19.80	-243.91	22.55	121.39	113.31	8.08	15.023		
1,300.00	1,286.32	1,262.94	1,242.01	5.11	5.21	19.34	-275.19	27.40	134.75	125.92	8.83	15.261		
1,400.00	1,384.25	1,361.92	1,335.18	5.60	5.84	18.87	-308.19	32.51	148.96	139.33	9.62	15.476		
1,500.00	1,482.18	1,460.90	1,428.36	6.09	6.47	18.49	-341.18	37.63	163.17	152.75	10.42	15.653		
1,600.00	1,580.12	1,559.88	1,521.54	6.58	7.12	18.17	-374.18	42.74	177.40	166.17	11.23	15.799		
1,700.00	1,678.05	1,658.85	1,614.71	7.07	7.77	17.89	-407.18	47.85	191.63	179.59	12.03	15.923		
1,800.00	1,775.98	1,757.83	1,707.89	7.57	8.42	17.66	-440.17	52.97	205.86	193.02	12.84	16.029		
1,900.00	1,873.91	1,856.81	1,801.07	8.06	9.08	17.45	-473.17	58.08	220.09	206.44	13.65	16.121		
2,000.00	1,971.84	1,955.79	1,894.24	8.55	9.73	17.27	-506.17	63.19	234.33	219.87	14.46	16.201		
2,100.00	2,069.77	2,054.77	1,987.42	9.05	10.39	17.11	-539.17	68.30	248.57	233.29	15.28	16.271		
2,200.00	2,167.70	2,153.75	2,080.60	9.55	11.06	16.97	-572.16	73.42	262.81	246.72	16.09	16.333		
2,300.00	2,265.63	2,252.73	2,173.77	10.04	11.72	16.84	-605.16	78.53	277.06	260.15	16.91	16.388		
2,400.00	2,363.56	2,351.71	2,266.95	10.54	12.39	16.73	-638.16	83.64	291.30	273.58	17.72	16.437		
2,500.00	2,461.49	2,450.68	2,360.13	11.04	13.05	16.62	-671.15	88.76	305.55	287.01	18.54	16.482		
2,600.00	2,559.43	2,549.66	2,453.30	11.54	13.72	16.53	-704.15	93.87	319.79	300.44	19.35	16.522		
2,700.00	2,657.36	2,648.64	2,546.48	12.03	14.39	16.44	-737.15	98.98	334.04	313.87	20.17	16.559		
2,800.00	2,755.29	2,747.62	2,639.65	12.53	15.06	16.36	-770.14	104.10	348.29	327.30	20.99	16.593		
2,900.00	2,853.22	2,846.60	2,732.83	13.03	15.73	16.29	-803.14	109.21	362.53	340.72	21.81	16.623		
3,000.00	2,951.15	2,945.58	2,826.01	13.53	16.40	16.22	-836.14	114.32	376.78	354.15	22.63	16.652		
3,100.00	3,049.08	3,044.56	2,919.18	14.03	17.07	16.16	-869.13	119.44	391.03	367.58	23.45	16.678		
3,200.00	3,147.01	3,143.54	3,012.36	14.52	17.74	16.10	-902.13	124.55	405.28	381.01	24.27	16.702		
3,300.00	3,244.94	3,242.51	3,105.54	15.02	18.41	16.04	-935.13	129.66	419.53	394.45	25.08	16.724		
3,400.00	3,342.87	3,341.49	3,198.71	15.52	19.08	15.99	-968.13	134.77	433.78	407.88	25.90	16.745		
3,500.00	3,440.80	3,440.47	3,291.89	16.02	19.75	15.94	-1,001.12	139.89	448.03	421.31	26.72	16.765		
3,600.00	3,538.74	3,539.45	3,385.07	16.52	20.42	15.90	-1,034.12	145.00	462.28	434.74	27.55	16.783		
3,700.00	3,636.67	3,638.43	3,478.24	17.02	21.09	15.86	-1,067.12	150.11	476.53	448.17	28.37	16.800		
3,800.00	3,734.60	3,737.41	3,571.42	17.52	21.76	15.82	-1,100.11	155.23	490.78	461.60	29.19	16.816		
3,900.00	3,832.53	3,836.39	3,664.60	18.02	22.44	15.78	-1,133.11	160.34	505.04	475.03	30.01	16.831		
4,000.00	3,930.46	3,935.36	3,757.77	18.52	23.11	15.74	-1,166.11	165.45	519.29	488.46	30.83	16.845		
4,100.00	4,028.39	4,034.34	3,850.95	19.02	23.78	15.71	-1,199.10	170.57	533.54	501.89	31.65	16.858		
4,200.00	4,126.32	4,133.32	3,944.12	19.52	24.45	15.68	-1,232.10	175.68	547.79	515.32	32.47	16.871		
4,300.00	4,224.25	4,232.30	4,037.30	20.01	25.13	15.65	-1,265.10	180.79	562.04	528.75	33.29	16.883		
4,400.00	4,322.18	4,331.28	4,130.48	20.51	25.80	15.62	-1,298.09	185.91	576.30	542.18	34.11	16.894		
4,500.00	4,420.11	4,430.26	4,223.65	21.01	26.47	15.59	-1,331.09	191.02	590.55	555.62	34.93	16.905		
4,600.00	4,518.05	4,529.24	4,316.83	21.51	27.15	15.56	-1,364.09	196.13	604.80	569.05	35.76	16.915		
4,700.00	4,615.98	4,628.22	4,410.01	22.01	27.82	15.54	-1,397.09	201.24	619.05	582.48	36.58	16.925		
4,800.00	4,713.91	4,727.19	4,503.18	22.51	28.49	15.52	-1,430.08	206.36	633.31	595.91	37.40	16.934		

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 3AH
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 3AH	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	4,811.84	4,826.17	4,596.36	23.01	29.17	15.49	-1,463.08	211.47	647.56	609.34	38.22	16.943		
5,000.00	4,909.77	4,925.15	4,689.54	23.51	29.84	15.47	-1,496.08	216.58	661.81	622.77	39.04	16.951		
5,100.00	5,007.70	5,024.13	4,782.71	24.01	30.51	15.45	-1,529.07	221.70	676.07	636.20	39.86	16.959		
5,200.00	5,105.63	5,123.11	4,875.89	24.51	31.19	15.43	-1,562.07	226.81	690.32	649.63	40.69	16.967		
5,300.00	5,203.56	5,222.09	4,969.07	25.01	31.86	15.41	-1,595.07	231.92	704.57	663.06	41.51	16.974		
5,400.00	5,301.49	5,321.07	5,062.24	25.51	32.54	15.39	-1,628.06	237.04	718.83	676.50	42.33	16.981		
5,500.00	5,399.43	5,420.05	5,155.42	26.01	33.21	15.38	-1,661.06	242.15	733.08	689.93	43.15	16.988		
5,600.00	5,497.36	5,519.02	5,248.59	26.51	33.88	15.36	-1,694.06	247.26	747.33	703.36	43.98	16.994		
5,700.00	5,595.29	5,618.00	5,341.77	27.01	34.56	15.34	-1,727.06	252.38	761.59	716.79	44.80	17.000		
5,800.00	5,693.22	5,716.98	5,434.95	27.51	35.23	15.33	-1,760.05	257.49	775.84	730.22	45.62	17.006		
5,900.00	5,791.15	5,815.96	5,528.12	28.01	35.91	15.31	-1,793.05	262.60	790.10	743.65	46.44	17.012		
6,000.00	5,889.08	5,914.94	5,621.30	28.51	36.58	15.30	-1,826.05	267.71	804.35	757.08	47.27	17.017		
6,100.00	5,987.01	6,013.92	5,714.48	29.01	37.25	15.28	-1,859.04	272.83	818.60	770.51	48.09	17.023		
6,200.00	6,084.94	6,112.90	5,807.65	29.51	37.93	15.27	-1,892.04	277.94	832.86	783.95	48.91	17.028		
6,300.00	6,182.87	6,211.88	5,900.83	30.01	38.60	15.26	-1,925.04	283.05	847.11	797.38	49.73	17.033		
6,400.00	6,280.80	6,310.85	5,994.01	30.51	39.28	15.24	-1,958.03	288.17	861.36	810.81	50.56	17.037		
6,500.00	6,378.74	6,409.83	6,087.18	31.01	39.95	15.23	-1,991.03	293.28	875.62	824.24	51.38	17.042		
6,600.00	6,476.67	6,508.81	6,180.36	31.51	40.62	15.22	-2,024.03	298.39	889.87	837.67	52.20	17.046		
6,700.00	6,574.60	6,607.79	6,273.54	32.01	41.30	15.21	-2,057.02	303.51	904.13	851.10	53.03	17.051		
6,800.00	6,672.53	6,706.77	6,366.71	32.51	41.97	15.20	-2,090.02	308.62	918.38	864.53	53.85	17.055		
6,900.00	6,770.46	6,805.75	6,459.89	33.01	42.65	15.19	-2,123.02	313.73	932.64	877.96	54.67	17.059		
7,000.00	6,868.39	6,904.73	6,553.06	33.51	43.32	15.17	-2,156.02	318.85	946.89	891.39	55.49	17.063		
7,100.00	6,966.32	7,003.71	6,646.24	34.01	44.00	15.16	-2,189.01	323.96	961.14	904.83	56.32	17.066		
7,200.00	7,064.25	7,102.68	6,739.42	34.51	44.67	15.15	-2,222.01	329.07	975.40	918.26	57.14	17.070		
7,300.00	7,162.18	7,201.66	6,832.59	35.01	45.35	15.15	-2,255.01	334.18	989.65	931.69	57.96	17.073		
7,400.00	7,260.11	7,300.64	6,925.77	35.51	46.02	15.14	-2,288.00	339.30	1,003.91	945.12	58.79	17.077		
7,485.17	7,343.52	7,384.94	7,005.12	35.94	46.59	15.13	-2,316.11	343.65	1,016.05	956.56	59.49	17.080		
7,500.00	7,358.03	7,400.38	7,018.95	36.01	46.70	21.59	-2,321.00	344.41	1,018.16	958.54	59.62	17.078		
7,550.00	7,406.68	7,448.98	7,065.41	36.27	47.03	39.09	-2,337.46	346.96	1,025.27	965.20	60.07	17.068		
7,600.00	7,454.62	7,502.14	7,111.43	36.54	47.39	50.56	-2,353.75	349.49	1,032.35	971.75	60.60	17.035		
7,650.00	7,501.47	7,545.89	7,156.64	36.81	47.69	58.11	-2,369.76	351.97	1,039.44	978.28	61.16	16.996		
7,700.00	7,546.90	7,607.30	7,200.71	37.08	48.11	63.35	-2,385.37	354.38	1,046.64	984.77	61.87	16.918		
7,750.00	7,590.54	7,637.94	7,243.30	37.36	48.32	67.22	-2,400.45	356.72	1,054.06	991.54	62.52	16.859		
7,800.00	7,632.07	7,681.26	7,284.08	37.65	48.61	70.20	-2,414.89	358.96	1,061.88	998.54	63.34	16.766		
7,850.00	7,671.18	7,722.34	7,322.75	37.94	48.89	72.56	-2,428.59	361.08	1,070.27	1,006.02	64.25	16.658		
7,900.00	7,707.56	7,760.85	7,359.00	38.23	49.16	74.44	-2,441.43	363.07	1,079.44	1,014.16	65.28	16.537		
7,950.00	7,740.93	7,810.45	7,405.56	38.53	49.50	76.37	-2,457.93	367.28	1,089.39	1,022.87	66.52	16.378		
8,000.00	7,771.06	7,867.29	7,458.26	38.84	49.90	78.23	-2,476.68	377.29	1,099.79	1,031.92	67.87	16.205		
8,050.00	7,797.69	7,930.71	7,515.60	39.16	50.35	80.01	-2,497.15	394.94	1,110.48	1,041.23	69.25	16.035		
8,100.00	7,820.64	8,002.70	7,577.97	39.50	50.85	81.79	-2,519.52	422.97	1,121.22	1,050.64	70.59	15.885		
8,150.00	7,839.72	8,085.79	7,645.12	39.85	51.43	83.63	-2,543.74	465.34	1,131.70	1,059.94	71.76	15.772		
8,200.00	7,854.80	8,182.98	7,715.32	40.22	52.09	85.51	-2,569.26	527.35	1,141.44	1,068.83	72.61	15.720		
8,250.00	7,865.75	8,297.14	7,783.68	40.60	52.85	87.36	-2,594.43	614.99	1,149.83	1,076.81	73.03	15.745		
8,300.00	7,872.50	8,429.41	7,840.54	41.01	53.69	88.93	-2,615.87	732.15	1,156.09	1,083.07	73.02	15.832		
8,354.11	7,875.00	8,589.20	7,873.26	41.47	54.68	89.92	-2,629.21	887.45	1,159.53	1,086.67	72.86	15.915		
8,400.00	7,875.00	8,666.08	7,875.00	41.89	55.15	90.00	-2,630.71	964.27	1,159.73	1,086.06	73.67	15.741		
8,500.00	7,875.00	8,766.08	7,875.00	42.90	55.81	90.00	-2,631.85	1,064.27	1,159.73	1,083.23	76.50	15.160		
8,600.00	7,875.00	8,866.08	7,875.00	44.06	56.57	90.00	-2,632.99	1,164.26	1,159.73	1,080.15	79.58	14.572		
8,700.00	7,875.00	8,966.08	7,875.00	45.36	57.42	90.00	-2,634.13	1,264.25	1,159.73	1,076.83	82.90	13.989		
8,800.00	7,875.00	9,066.08	7,875.00	46.80	58.37	90.00	-2,635.28	1,364.25	1,159.73	1,073.30	86.43	13.418		
8,900.00	7,875.00	9,166.08	7,875.00	48.37	59.43	90.00	-2,636.42	1,464.24	1,159.73	1,069.59	90.14	12.866		
9,000.00	7,875.00	9,266.08	7,875.00	50.05	60.59	90.00	-2,637.56	1,564.23	1,159.74	1,065.72	94.02	12.335		

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 3AH
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 3AH	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	7,875.00	9,366.08	7,875.00	51.83	61.85	90.00	-2,638.70	1,664.23	1,159.74	1,061.70	98.03	11.830		
9,200.00	7,875.00	9,466.08	7,875.00	53.70	63.21	90.00	-2,639.85	1,764.22	1,159.74	1,057.56	102.18	11.350		
9,300.00	7,875.00	9,566.08	7,875.00	55.65	64.68	90.00	-2,640.99	1,864.21	1,159.74	1,053.30	106.43	10.896		
9,400.00	7,875.00	9,666.08	7,875.00	57.66	66.23	90.00	-2,642.13	1,964.21	1,159.74	1,048.95	110.79	10.468		
9,500.00	7,875.00	9,766.08	7,875.00	59.74	67.87	90.00	-2,643.28	2,064.20	1,159.74	1,044.51	115.23	10.065		
9,600.00	7,875.00	9,866.08	7,875.00	61.88	69.60	90.00	-2,644.42	2,164.19	1,159.74	1,039.99	119.75	9.685		
9,700.00	7,875.00	9,966.08	7,875.00	64.06	71.40	90.00	-2,645.56	2,264.19	1,159.74	1,035.40	124.34	9.327		
9,800.00	7,875.00	10,066.08	7,875.00	66.28	73.26	90.00	-2,646.70	2,364.18	1,159.74	1,030.75	128.99	8.991		
9,900.00	7,875.00	10,166.08	7,875.00	68.54	75.20	90.00	-2,647.85	2,464.17	1,159.74	1,026.05	133.69	8.675		
10,000.00	7,875.00	10,266.08	7,875.00	70.84	77.19	90.00	-2,648.99	2,564.17	1,159.74	1,021.29	138.45	8.377		
10,100.00	7,875.00	10,366.08	7,875.00	73.16	79.23	90.00	-2,650.13	2,664.16	1,159.74	1,016.49	143.25	8.096		
10,200.00	7,875.00	10,466.08	7,875.00	75.51	81.32	90.00	-2,651.27	2,764.15	1,159.74	1,011.65	148.09	7.831		
10,300.00	7,875.00	10,566.08	7,875.00	77.89	83.45	90.00	-2,652.42	2,864.15	1,159.74	1,006.78	152.97	7.582		
10,400.00	7,875.00	10,666.08	7,875.00	80.29	85.62	90.00	-2,653.56	2,964.14	1,159.75	1,001.87	157.88	7.346		
10,500.00	7,875.00	10,766.08	7,875.00	82.70	87.83	90.00	-2,654.70	3,064.13	1,159.75	996.92	162.82	7.123		
10,600.00	7,875.00	10,866.08	7,875.00	85.14	90.06	90.00	-2,655.85	3,164.13	1,159.75	991.96	167.79	6.912		
10,700.00	7,875.00	10,966.08	7,875.00	87.59	92.33	90.00	-2,656.99	3,264.12	1,159.75	986.96	172.78	6.712		
10,800.00	7,875.00	11,066.08	7,875.00	90.06	94.63	90.00	-2,658.13	3,364.12	1,159.75	981.95	177.80	6.523		
10,900.00	7,875.00	11,166.08	7,875.00	92.53	96.95	90.00	-2,659.27	3,464.11	1,159.75	976.91	182.84	6.343		
11,000.00	7,875.00	11,266.08	7,875.00	95.03	99.29	90.00	-2,660.42	3,564.10	1,159.75	971.85	187.90	6.172		
11,100.00	7,875.00	11,366.08	7,875.00	97.53	101.65	90.00	-2,661.56	3,664.10	1,159.75	966.78	192.97	6.010		
11,200.00	7,875.00	11,466.08	7,875.00	100.04	104.03	90.00	-2,662.70	3,764.09	1,159.75	961.69	198.07	5.855		
11,300.00	7,875.00	11,566.08	7,875.00	102.57	106.43	90.00	-2,663.84	3,864.08	1,159.75	956.58	203.17	5.708		
11,400.00	7,875.00	11,666.08	7,875.00	105.10	108.85	90.00	-2,664.99	3,964.08	1,159.75	951.46	208.30	5.568		
11,500.00	7,875.00	11,766.08	7,875.00	107.64	111.28	90.00	-2,666.13	4,064.07	1,159.75	946.32	213.43	5.434		
11,600.00	7,875.00	11,866.08	7,875.00	110.19	113.72	90.00	-2,667.27	4,164.06	1,159.75	941.18	218.58	5.306		
11,700.00	7,875.00	11,966.08	7,875.00	112.74	116.18	90.00	-2,668.42	4,264.06	1,159.76	936.02	223.74	5.184		
11,800.00	7,875.00	12,066.08	7,875.00	115.31	118.64	90.00	-2,669.56	4,364.05	1,159.76	930.85	228.91	5.067		
11,900.00	7,875.00	12,166.08	7,875.00	117.87	121.12	90.00	-2,670.70	4,464.04	1,159.76	925.67	234.08	4.954		
12,000.00	7,875.00	12,266.08	7,875.00	120.45	123.61	90.00	-2,671.84	4,564.04	1,159.76	920.48	239.27	4.847		
12,100.00	7,875.00	12,366.08	7,875.00	123.03	126.11	90.00	-2,672.99	4,664.03	1,159.76	915.29	244.47	4.744		
12,200.00	7,875.00	12,466.08	7,875.00	125.61	128.62	90.00	-2,674.13	4,764.02	1,159.76	910.08	249.68	4.645		
12,300.00	7,875.00	12,566.08	7,875.00	128.20	131.13	90.00	-2,675.27	4,864.02	1,159.76	904.87	254.89	4.550		
12,400.00	7,875.00	12,666.08	7,875.00	130.79	133.65	90.00	-2,676.42	4,964.01	1,159.76	899.65	260.11	4.459		
12,500.00	7,875.00	12,766.08	7,875.00	133.39	136.18	90.00	-2,677.56	5,064.00	1,159.76	894.43	265.34	4.371		
12,600.00	7,875.00	12,866.08	7,875.00	135.99	138.72	90.00	-2,678.70	5,164.00	1,159.76	889.19	270.57	4.286		
12,700.00	7,875.00	12,966.08	7,875.00	138.60	141.27	90.00	-2,679.84	5,263.99	1,159.76	883.95	275.81	4.205		
12,800.00	7,875.00	13,066.08	7,875.00	141.21	143.81	90.00	-2,680.99	5,363.98	1,159.76	878.71	281.05	4.126		
12,900.00	7,875.00	13,166.08	7,875.00	143.82	146.37	90.00	-2,682.13	5,463.98	1,159.76	873.46	286.30	4.051		
13,000.00	7,875.00	13,266.08	7,875.00	146.43	148.93	90.00	-2,683.27	5,563.97	1,159.77	868.21	291.56	3.978		
13,100.00	7,875.00	13,366.08	7,875.00	149.05	151.50	90.00	-2,684.41	5,663.97	1,159.77	862.95	296.82	3.907		
13,200.00	7,875.00	13,466.08	7,875.00	151.67	154.07	90.00	-2,685.56	5,763.96	1,159.77	857.68	302.08	3.839		
13,300.00	7,875.00	13,566.08	7,875.00	154.30	156.64	90.00	-2,686.70	5,863.95	1,159.77	852.41	307.35	3.773		
13,400.00	7,875.00	13,666.08	7,875.00	156.92	159.22	90.00	-2,687.84	5,963.95	1,159.77	847.14	312.63	3.710		
13,500.00	7,875.00	13,766.08	7,875.00	159.55	161.81	90.00	-2,688.99	6,063.94	1,159.77	841.87	317.90	3.648		
13,600.00	7,875.00	13,866.08	7,875.00	162.18	164.39	90.00	-2,690.13	6,163.93	1,159.77	836.59	323.18	3.589		
13,700.00	7,875.00	13,966.08	7,875.00	164.81	166.98	90.00	-2,691.27	6,263.93	1,159.77	831.30	328.47	3.531		
13,800.00	7,875.00	14,066.08	7,875.00	167.45	169.58	90.00	-2,692.41	6,363.92	1,159.77	826.01	333.76	3.475		
13,900.00	7,875.00	14,166.08	7,875.00	170.08	172.18	90.00	-2,693.56	6,463.91	1,159.77	820.72	339.05	3.421		
14,000.00	7,875.00	14,266.08	7,875.00	172.72	174.78	90.00	-2,694.70	6,563.91	1,159.77	815.43	344.34	3.368		
14,100.00	7,875.00	14,366.08	7,875.00	175.36	177.38	90.00	-2,695.84	6,663.90	1,159.77	810.14	349.64	3.317		
14,200.00	7,875.00	14,466.08	7,875.00	178.00	179.99	90.00	-2,696.98	6,763.89	1,159.77	804.84	354.94	3.268		

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 3AH
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 3AH	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		
14,300.00	7,875.00	14,566.08	7,875.00	180.65	182.60	90.00	-2,698.13	6,863.89	1,159.77	799.54	360.24	3.219		
14,400.00	7,875.00	14,666.08	7,875.00	183.29	185.21	90.00	-2,699.27	6,963.88	1,159.78	794.23	365.54	3.173		
14,500.00	7,875.00	14,766.08	7,875.00	185.94	187.82	90.00	-2,700.41	7,063.87	1,159.78	788.92	370.85	3.127		
14,600.00	7,875.00	14,866.08	7,875.00	188.59	190.44	90.00	-2,701.56	7,163.87	1,159.78	783.62	376.16	3.083		
14,700.00	7,875.00	14,966.08	7,875.00	191.23	193.06	90.00	-2,702.70	7,263.86	1,159.78	778.30	381.47	3.040		
14,800.00	7,875.00	15,066.08	7,875.00	193.89	195.68	90.00	-2,703.84	7,363.85	1,159.78	772.99	386.79	2.998		
14,900.00	7,875.00	15,166.08	7,875.00	196.54	198.30	90.00	-2,704.98	7,463.85	1,159.78	767.68	392.10	2.958		
15,000.00	7,875.00	15,266.08	7,875.00	199.19	200.93	90.00	-2,706.13	7,563.84	1,159.78	762.36	397.42	2.918		
15,100.00	7,875.00	15,366.08	7,875.00	201.84	203.55	90.00	-2,707.27	7,663.83	1,159.78	757.04	402.74	2.880		
15,200.00	7,875.00	15,466.08	7,875.00	204.50	206.18	90.00	-2,708.41	7,763.83	1,159.78	751.72	408.06	2.842		
15,300.00	7,875.00	15,566.08	7,875.00	207.15	208.81	90.00	-2,709.55	7,863.82	1,159.78	746.40	413.39	2.806		
15,400.00	7,875.00	15,666.08	7,875.00	209.81	211.45	90.00	-2,710.70	7,963.81	1,159.78	741.07	418.71	2.770		
15,500.00	7,875.00	15,766.08	7,875.00	212.47	214.08	90.00	-2,711.84	8,063.81	1,159.78	735.75	424.04	2.735		
15,600.00	7,875.00	15,866.08	7,875.00	215.13	216.72	90.00	-2,712.98	8,163.80	1,159.78	730.42	429.37	2.701		
15,700.00	7,875.00	15,966.08	7,875.00	217.79	219.35	90.00	-2,714.13	8,263.80	1,159.79	725.09	434.70	2.668		
15,800.00	7,875.00	16,066.08	7,875.00	220.45	221.99	90.00	-2,715.27	8,363.79	1,159.79	719.76	440.03	2.636		
15,900.00	7,875.00	16,166.08	7,875.00	223.11	224.63	90.00	-2,716.41	8,463.78	1,159.79	714.43	445.36	2.604		
16,000.00	7,875.00	16,266.08	7,875.00	225.77	227.27	90.00	-2,717.55	8,563.78	1,159.79	709.09	450.69	2.573		
16,100.00	7,875.00	16,366.08	7,875.00	228.44	229.92	90.00	-2,718.70	8,663.77	1,159.79	703.76	456.03	2.543		
16,200.00	7,875.00	16,466.08	7,875.00	231.10	232.56	90.00	-2,719.84	8,763.76	1,159.79	698.42	461.37	2.514		
16,300.00	7,875.00	16,566.08	7,875.00	233.76	235.21	90.00	-2,720.98	8,863.76	1,159.79	693.09	466.70	2.485		
16,400.00	7,875.00	16,666.08	7,875.00	236.43	237.85	90.00	-2,722.13	8,963.75	1,159.79	687.75	472.04	2.457		
16,500.00	7,875.00	16,766.08	7,875.00	239.09	240.50	90.00	-2,723.27	9,063.74	1,159.79	682.41	477.38	2.429		
16,600.00	7,875.00	16,866.08	7,875.00	241.76	243.15	90.00	-2,724.41	9,163.74	1,159.79	677.07	482.72	2.403		
16,700.00	7,875.00	16,966.08	7,875.00	244.43	245.80	90.00	-2,725.55	9,263.73	1,159.79	671.73	488.07	2.376		
16,800.00	7,875.00	17,066.08	7,875.00	247.10	248.45	90.00	-2,726.70	9,363.72	1,159.79	666.38	493.41	2.351		
16,900.00	7,875.00	17,166.08	7,875.00	249.76	251.10	90.00	-2,727.84	9,463.72	1,159.79	661.04	498.75	2.325		
17,000.00	7,875.00	17,266.08	7,875.00	252.43	253.75	90.00	-2,728.98	9,563.71	1,159.79	655.70	504.10	2.301		
17,100.00	7,875.00	17,366.08	7,875.00	255.10	256.41	90.00	-2,730.12	9,663.70	1,159.80	650.35	509.45	2.277		
17,200.00	7,875.00	17,466.08	7,875.00	257.77	259.06	90.00	-2,731.27	9,763.70	1,159.80	645.00	514.79	2.253		
17,300.00	7,875.00	17,566.08	7,875.00	260.44	261.71	90.00	-2,732.41	9,863.69	1,159.80	639.66	520.14	2.230		
17,400.00	7,875.00	17,666.08	7,875.00	263.11	264.37	90.00	-2,733.55	9,963.68	1,159.80	634.31	525.49	2.207		
17,500.00	7,875.00	17,766.08	7,875.00	265.79	267.03	90.00	-2,734.70	10,063.68	1,159.80	628.96	530.84	2.185		
17,600.00	7,875.00	17,866.08	7,875.00	268.46	269.68	90.00	-2,735.84	10,163.67	1,159.80	623.61	536.19	2.163		
17,700.00	7,875.00	17,966.08	7,875.00	271.13	272.34	90.00	-2,736.98	10,263.66	1,159.80	618.26	541.54	2.142		
17,800.00	7,875.00	18,066.08	7,875.00	273.80	275.00	90.00	-2,738.12	10,363.66	1,159.80	612.91	546.89	2.121		
17,900.00	7,875.00	18,166.08	7,875.00	276.48	277.66	90.00	-2,739.27	10,463.65	1,159.80	607.56	552.25	2.100		
18,000.00	7,875.00	18,266.08	7,875.00	279.15	280.32	90.00	-2,740.41	10,563.65	1,159.80	602.20	557.60	2.080		
18,100.00	7,875.00	18,366.08	7,875.00	281.82	282.98	90.00	-2,741.55	10,663.64	1,159.80	596.85	562.95	2.060		
18,200.00	7,875.00	18,466.08	7,875.00	284.50	285.65	90.00	-2,742.69	10,763.63	1,159.80	591.50	568.31	2.041		
18,265.67	7,875.00	18,531.76	7,875.00	286.26	287.39	90.00	-2,743.44	10,829.30	1,159.80	587.98	571.82	2.028 SF		

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3AH
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 3AH	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	179.89	-150.08	0.28	150.08					
100.00	100.00	100.10	99.90	0.13	0.13	179.89	-150.08	0.28	150.08	149.81	0.27	557.472		
200.00	200.00	200.10	199.90	0.49	0.49	179.89	-150.08	0.28	150.08	149.09	0.99	152.185		
250.00	250.00	249.90	249.90	0.67	0.67	179.89	-150.08	0.28	150.08	148.73	1.34	111.673		
300.00	300.00	297.43	297.43	0.84	0.83	14.79	-150.47	0.33	150.07	148.39	1.68	89.421		
400.00	399.93	392.50	392.44	1.19	1.16	14.96	-153.59	0.73	149.98	147.64	2.34	64.121		
500.00	499.68	487.56	487.29	1.54	1.49	15.31	-159.84	1.53	149.82	146.80	3.02	49.652		
600.00	599.13	582.63	581.88	1.92	1.85	15.83	-169.21	2.73	149.58	145.88	3.71	40.371		
700.00	698.15	677.71	676.12	2.31	2.22	16.52	-181.69	4.34	149.29	144.89	4.40	33.917		
800.00	796.63	772.80	769.90	2.74	2.63	17.39	-197.26	6.33	148.97	143.86	5.11	29.161		
833.76	829.73	804.90	801.44	2.89	2.76	17.72	-203.22	7.10	148.85	143.50	5.35	27.831		
844.15	839.90	814.78	811.13	2.94	2.81	17.83	-205.12	7.34	148.83	143.41	5.42	27.439 CC, ES		
900.00	894.60	867.90	863.12	3.20	3.05	18.35	-215.92	8.72	149.35	143.52	5.83	25.633		
1,000.00	992.53	962.91	955.57	3.67	3.52	19.07	-237.61	11.51	152.84	146.28	6.55	23.320		
1,100.00	1,090.46	1,057.62	1,046.97	4.14	4.01	19.53	-262.25	14.67	159.58	152.30	7.28	21.912		
1,200.00	1,188.39	1,151.84	1,137.02	4.62	4.54	19.71	-289.72	18.19	169.54	161.52	8.02	21.152		
1,300.00	1,286.32	1,245.36	1,225.46	5.11	5.11	19.66	-319.87	22.06	182.68	173.94	8.75	20.887		
1,400.00	1,384.25	1,338.00	1,312.03	5.60	5.71	19.43	-352.55	26.25	198.96	189.49	9.47	21.008		
1,500.00	1,482.18	1,430.18	1,397.09	6.09	6.34	19.08	-387.79	30.77	218.34	208.14	10.19	21.418		
1,600.00	1,580.12	1,528.01	1,486.85	6.58	7.04	18.69	-426.38	35.71	238.98	227.99	11.00	21.727		
1,700.00	1,678.05	1,625.85	1,576.62	7.07	7.76	18.37	-464.96	40.66	259.64	247.83	11.81	21.986		
1,800.00	1,775.98	1,723.68	1,666.39	7.57	8.48	18.10	-503.54	45.61	280.31	267.68	12.62	22.205		
1,900.00	1,873.91	1,821.51	1,756.16	8.06	9.20	17.86	-542.13	50.56	300.98	287.54	13.44	22.392		
2,000.00	1,971.84	1,919.35	1,845.92	8.55	9.93	17.65	-580.71	55.51	321.65	307.39	14.26	22.555		
2,100.00	2,069.77	2,017.18	1,935.69	9.05	10.67	17.47	-619.29	60.45	342.33	327.25	15.08	22.697		
2,200.00	2,167.70	2,115.01	2,025.46	9.55	11.40	17.31	-657.87	65.40	363.01	347.10	15.91	22.821		
2,300.00	2,265.63	2,212.85	2,115.23	10.04	12.14	17.17	-696.46	70.35	383.69	366.96	16.73	22.932		
2,400.00	2,363.56	2,310.68	2,205.00	10.54	12.88	17.04	-735.04	75.30	404.38	386.82	17.56	23.030		
2,500.00	2,461.49	2,408.51	2,294.76	11.04	13.63	16.92	-773.62	80.25	425.07	406.68	18.39	23.119		
2,600.00	2,559.43	2,506.35	2,384.53	11.54	14.37	16.82	-812.20	85.19	445.75	426.54	19.22	23.198		
2,700.00	2,657.36	2,604.18	2,474.30	12.03	15.12	16.72	-850.79	90.14	466.44	446.40	20.04	23.270		
2,800.00	2,755.29	2,702.01	2,564.07	12.53	15.86	16.63	-889.37	95.09	487.13	466.26	20.87	23.336		
2,900.00	2,853.22	2,800.15	2,653.84	13.03	16.61	16.55	-927.95	100.04	507.83	486.12	21.71	23.394		
3,000.00	2,951.15	2,902.32	2,743.60	13.53	17.39	16.48	-966.54	104.99	528.52	505.96	22.56	23.428		
3,100.00	3,049.08	3,004.49	2,833.37	14.03	18.18	16.41	-1,005.12	109.93	549.21	525.80	23.41	23.460		
3,200.00	3,147.01	3,106.65	2,923.14	14.52	18.96	16.34	-1,043.70	114.88	569.91	545.64	24.26	23.488		
3,300.00	3,244.94	3,191.18	3,012.91	15.02	19.61	16.29	-1,082.28	119.83	590.60	565.57	25.04	23.591		
3,400.00	3,342.87	3,289.01	3,102.67	15.52	20.36	16.23	-1,120.87	124.78	611.30	585.43	25.87	23.631		
3,500.00	3,440.80	3,386.85	3,192.44	16.02	21.11	16.18	-1,159.45	129.73	631.99	605.29	26.70	23.668		
3,600.00	3,538.74	3,484.68	3,282.21	16.52	21.86	16.13	-1,198.03	134.67	652.69	625.15	27.54	23.702		
3,700.00	3,636.67	3,582.51	3,371.98	17.02	22.61	16.08	-1,236.61	139.62	673.39	645.02	28.37	23.735		
3,800.00	3,734.60	3,680.35	3,461.75	17.52	23.36	16.04	-1,275.20	144.57	694.09	664.88	29.21	23.765		
3,900.00	3,832.53	3,778.18	3,551.51	18.02	24.11	16.00	-1,313.78	149.52	714.78	684.74	30.04	23.794		
4,000.00	3,930.46	3,876.01	3,641.28	18.52	24.87	15.96	-1,352.36	154.46	735.48	704.60	30.88	23.820		
4,100.00	4,028.39	3,973.85	3,731.05	19.02	25.62	15.93	-1,390.95	159.41	756.18	724.47	31.71	23.845		
4,200.00	4,126.32	4,071.68	3,820.82	19.52	26.37	15.89	-1,429.53	164.36	776.88	744.33	32.55	23.869		
4,300.00	4,224.25	4,169.51	3,910.58	20.01	27.12	15.86	-1,468.11	169.31	797.58	764.19	33.38	23.892		
4,400.00	4,322.18	4,267.35	4,000.35	20.51	27.88	15.83	-1,506.69	174.26	818.28	784.06	34.22	23.913		
4,500.00	4,420.11	4,365.18	4,090.12	21.01	28.63	15.80	-1,545.28	179.20	838.97	803.92	35.06	23.933		
4,600.00	4,518.05	4,463.01	4,179.89	21.51	29.38	15.77	-1,583.86	184.15	859.67	823.78	35.89	23.952		
4,700.00	4,615.98	4,560.85	4,269.66	22.01	30.14	15.75	-1,622.44	189.10	880.37	843.65	36.73	23.970		
4,800.00	4,713.91	4,658.68	4,359.42	22.51	30.89	15.72	-1,661.02	194.05	901.07	863.51	37.57	23.987		

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 3AH
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 3AH	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	4,811.84	4,756.51	4,449.19	23.01	31.64	15.70	-1,699.61	199.00	921.77	883.37	38.40	24.003		
5,000.00	4,909.77	4,854.35	4,538.96	23.51	32.40	15.67	-1,738.19	203.94	942.47	903.23	39.24	24.019		
5,100.00	5,007.70	4,952.18	4,628.73	24.01	33.15	15.65	-1,776.77	208.89	963.17	923.10	40.08	24.034		
5,200.00	5,105.63	5,050.02	4,718.50	24.51	33.90	15.63	-1,815.36	213.84	983.87	942.96	40.91	24.048		
5,300.00	5,203.56	5,147.85	4,808.26	25.01	34.66	15.61	-1,853.94	218.79	1,004.58	962.82	41.75	24.061		
5,400.00	5,301.49	5,245.68	4,898.03	25.51	35.41	15.59	-1,892.52	223.74	1,025.28	982.69	42.59	24.074		
5,500.00	5,399.43	5,343.52	4,987.80	26.01	36.17	15.57	-1,931.10	228.68	1,045.98	1,002.55	43.43	24.087		
5,600.00	5,497.36	5,441.35	5,077.57	26.51	36.92	15.56	-1,969.69	233.63	1,066.68	1,022.41	44.26	24.098		
5,700.00	5,595.29	5,539.18	5,167.33	27.01	37.67	15.54	-2,008.27	238.58	1,087.38	1,042.28	45.10	24.110		
5,800.00	5,693.22	5,637.02	5,257.10	27.51	38.43	15.52	-2,046.85	243.53	1,108.08	1,062.14	45.94	24.121		
5,900.00	5,791.15	5,734.85	5,346.87	28.01	39.18	15.51	-2,085.43	248.48	1,128.78	1,082.00	46.78	24.131		
6,000.00	5,889.08	5,832.68	5,436.64	28.51	39.94	15.49	-2,124.02	253.42	1,149.48	1,101.87	47.61	24.141		
6,100.00	5,987.01	5,930.52	5,526.41	29.01	40.69	15.48	-2,162.60	258.37	1,170.18	1,121.73	48.45	24.151		
6,200.00	6,084.94	6,028.35	5,616.17	29.51	41.45	15.46	-2,201.18	263.32	1,190.88	1,141.59	49.29	24.160		
6,300.00	6,182.87	6,126.18	5,705.94	30.01	42.20	15.45	-2,239.77	268.27	1,211.59	1,161.46	50.13	24.169		
6,400.00	6,280.80	6,224.02	5,795.71	30.51	42.96	15.43	-2,278.35	273.21	1,232.29	1,181.32	50.97	24.178		
6,500.00	6,378.74	6,321.85	5,885.48	31.01	43.71	15.42	-2,316.93	278.16	1,252.99	1,201.18	51.81	24.186		
6,600.00	6,476.67	6,419.68	5,975.24	31.51	44.47	15.41	-2,355.51	283.11	1,273.69	1,221.04	52.65	24.194		
6,700.00	6,574.60	6,517.52	6,065.01	32.01	45.22	15.40	-2,394.10	288.06	1,294.39	1,240.91	53.48	24.201		
6,800.00	6,672.53	6,615.35	6,154.78	32.51	45.98	15.38	-2,432.68	293.01	1,315.09	1,260.77	54.32	24.209		
6,900.00	6,770.46	6,713.18	6,244.55	33.01	46.73	15.37	-2,471.26	297.95	1,335.80	1,280.63	55.16	24.216		
7,000.00	6,868.39	6,811.02	6,334.32	33.51	47.49	15.36	-2,509.84	302.90	1,356.50	1,300.50	56.00	24.223		
7,100.00	6,966.32	6,908.85	6,424.08	34.01	48.24	15.35	-2,548.43	307.85	1,377.20	1,320.36	56.84	24.229		
7,200.00	7,064.25	7,006.68	6,513.85	34.51	49.00	15.34	-2,587.01	312.80	1,397.90	1,340.22	57.68	24.236		
7,300.00	7,162.18	7,104.52	6,603.62	35.01	49.75	15.33	-2,625.59	317.75	1,418.60	1,360.08	58.52	24.242		
7,400.00	7,260.11	7,202.35	6,693.39	35.51	50.51	15.32	-2,664.18	322.69	1,439.30	1,379.95	59.36	24.248		
7,485.17	7,343.52	7,285.67	6,769.84	35.94	51.15	15.31	-2,697.03	326.91	1,456.94	1,396.86	60.07	24.253		
7,500.00	7,358.03	7,300.18	6,783.15	36.01	51.26	21.68	-2,702.76	327.64	1,460.01	1,399.81	60.20	24.253		
7,550.00	7,406.68	7,348.97	6,827.92	36.27	51.64	38.78	-2,722.00	330.11	1,470.34	1,409.68	60.66	24.241		
7,600.00	7,454.62	7,402.71	6,872.26	36.54	52.05	49.79	-2,741.05	332.55	1,480.61	1,419.43	61.18	24.201		
7,650.00	7,501.47	7,444.77	6,915.82	36.81	52.38	56.82	-2,759.78	334.95	1,490.81	1,429.11	61.70	24.161		
7,700.00	7,546.90	7,508.96	6,958.28	37.08	52.87	61.51	-2,778.03	337.29	1,500.95	1,438.57	62.38	24.061		
7,750.00	7,590.54	7,535.76	6,999.31	37.36	53.08	64.79	-2,795.66	339.56	1,511.10	1,448.14	62.95	24.004		
7,800.00	7,632.07	7,578.59	7,038.61	37.65	53.41	67.18	-2,812.55	341.72	1,521.31	1,457.64	63.67	23.894		
7,850.00	7,671.18	7,619.20	7,075.87	37.94	53.72	68.96	-2,828.57	343.78	1,531.70	1,467.24	64.46	23.762		
7,900.00	7,707.56	7,657.27	7,110.81	38.23	54.02	70.30	-2,843.58	345.70	1,542.35	1,477.02	65.33	23.608		
7,950.00	7,740.93	7,707.47	7,143.16	38.53	54.40	71.27	-2,857.49	347.49	1,553.39	1,487.03	66.36	23.407		
8,000.00	7,771.06	7,724.70	7,172.68	38.84	54.54	71.93	-2,870.18	349.11	1,564.93	1,497.58	67.35	23.237		
8,050.00	7,797.69	7,753.54	7,199.14	39.16	54.76	72.28	-2,881.55	350.57	1,577.05	1,508.55	68.49	23.024		
8,100.00	7,820.64	7,778.83	7,222.34	39.50	54.95	72.34	-2,891.52	351.85	1,589.84	1,520.11	69.73	22.799		
8,150.00	7,839.72	7,800.37	7,242.11	39.85	55.12	72.09	-2,900.02	352.94	1,603.37	1,532.31	71.06	22.565		
8,200.00	7,854.80	7,818.00	7,258.29	40.22	55.26	71.54	-2,906.97	353.83	1,617.65	1,545.21	72.45	22.329		
8,250.00	7,865.75	7,831.60	7,270.76	40.60	55.36	70.68	-2,912.33	354.52	1,632.71	1,558.82	73.89	22.095		
8,300.00	7,872.50	7,841.04	7,279.43	41.01	55.43	69.51	-2,916.06	355.00	1,648.50	1,573.12	75.37	21.871		
8,354.11	7,875.00	7,846.51	7,284.44	41.47	55.48	67.90	-2,918.21	355.27	1,666.32	1,589.34	76.98	21.645		
8,400.00	7,875.00	7,849.04	7,286.76	41.89	55.50	67.99	-2,919.21	355.40	1,682.29	1,603.94	78.35	21.471		
8,500.00	7,875.00	7,854.55	7,291.82	42.90	55.54	68.19	-2,921.38	355.68	1,720.81	1,639.47	81.34	21.156		
8,600.00	7,875.00	9,122.16	7,950.00	44.06	64.23	92.47	-3,212.74	1,158.30	1,741.13	1,660.82	80.32	21.678		
8,700.00	7,875.00	9,222.16	7,950.00	45.36	64.94	92.47	-3,213.84	1,258.29	1,741.09	1,657.52	83.57	20.833		
8,800.00	7,875.00	9,322.16	7,950.00	46.80	65.74	92.47	-3,214.95	1,358.29	1,741.06	1,654.01	87.04	20.002		
8,900.00	7,875.00	9,422.16	7,950.00	48.37	66.61	92.47	-3,216.05	1,458.28	1,741.02	1,650.32	90.70	19.196		
9,000.00	7,875.00	9,522.16	7,950.00	50.05	67.57	92.47	-3,217.16	1,558.27	1,740.98	1,646.46	94.52	18.419		

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 3AH
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 3AH	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	7,875.00	9,622.16	7,950.00	51.83	68.62	92.47	-3,218.26	1,658.27	1,740.94	1,642.46	98.49	17.677		
9,200.00	7,875.00	9,722.16	7,950.00	53.70	69.76	92.47	-3,219.37	1,758.26	1,740.91	1,638.32	102.58	16.971		
9,300.00	7,875.00	9,822.16	7,950.00	55.65	70.99	92.47	-3,220.47	1,858.26	1,740.87	1,634.08	106.79	16.301		
9,400.00	7,875.00	9,922.16	7,950.00	57.66	72.31	92.47	-3,221.58	1,958.25	1,740.83	1,629.73	111.11	15.668		
9,500.00	7,875.00	10,022.16	7,950.00	59.74	73.72	92.47	-3,222.68	2,058.24	1,740.79	1,625.29	115.51	15.071		
9,600.00	7,875.00	10,122.16	7,950.00	61.88	75.20	92.47	-3,223.78	2,158.24	1,740.76	1,620.77	119.99	14.508		
9,700.00	7,875.00	10,222.16	7,950.00	64.06	76.77	92.47	-3,224.89	2,258.23	1,740.72	1,616.18	124.54	13.977		
9,800.00	7,875.00	10,322.16	7,950.00	66.28	78.42	92.47	-3,225.99	2,358.23	1,740.68	1,611.52	129.16	13.477		
9,900.00	7,875.00	10,422.16	7,950.00	68.54	80.13	92.47	-3,227.10	2,458.22	1,740.64	1,606.81	133.83	13.006		
10,000.00	7,875.00	10,522.16	7,950.00	70.84	81.92	92.47	-3,228.20	2,558.21	1,740.61	1,602.05	138.56	12.562		
10,100.00	7,875.00	10,622.16	7,950.00	73.16	83.76	92.47	-3,229.31	2,658.21	1,740.57	1,597.24	143.33	12.144		
10,200.00	7,875.00	10,722.16	7,950.00	75.51	85.67	92.47	-3,230.41	2,758.20	1,740.53	1,592.39	148.14	11.749		
10,300.00	7,875.00	10,822.16	7,950.00	77.89	87.62	92.47	-3,231.52	2,858.20	1,740.49	1,587.50	153.00	11.376		
10,400.00	7,875.00	10,922.16	7,950.00	80.29	89.63	92.47	-3,232.62	2,958.19	1,740.46	1,582.57	157.88	11.024		
10,500.00	7,875.00	11,022.16	7,950.00	82.70	91.68	92.47	-3,233.72	3,058.18	1,740.42	1,577.62	162.80	10.690		
10,600.00	7,875.00	11,122.16	7,950.00	85.14	93.77	92.47	-3,234.83	3,158.18	1,740.38	1,572.63	167.75	10.375		
10,700.00	7,875.00	11,222.16	7,950.00	87.59	95.90	92.47	-3,235.93	3,258.17	1,740.34	1,567.62	172.72	10.076		
10,800.00	7,875.00	11,322.16	7,950.00	90.06	98.07	92.47	-3,237.04	3,358.16	1,740.31	1,562.59	177.72	9.793		
10,900.00	7,875.00	11,422.16	7,950.00	92.53	100.27	92.47	-3,238.14	3,458.16	1,740.27	1,557.53	182.74	9.523		
11,000.00	7,875.00	11,522.16	7,950.00	95.03	102.49	92.47	-3,239.25	3,558.15	1,740.23	1,552.46	187.78	9.268		
11,100.00	7,875.00	11,622.16	7,950.00	97.53	104.75	92.47	-3,240.35	3,658.15	1,740.19	1,547.36	192.83	9.024		
11,200.00	7,875.00	11,722.16	7,950.00	100.04	107.03	92.47	-3,241.46	3,758.14	1,740.16	1,542.25	197.91	8.793		
11,300.00	7,875.00	11,822.16	7,950.00	102.57	109.33	92.47	-3,242.56	3,858.13	1,740.12	1,537.12	203.00	8.572		
11,400.00	7,875.00	11,922.16	7,950.00	105.10	111.66	92.47	-3,243.66	3,958.13	1,740.08	1,531.98	208.11	8.362		
11,500.00	7,875.00	12,022.16	7,950.00	107.64	114.00	92.47	-3,244.77	4,058.12	1,740.04	1,526.82	213.23	8.161		
11,600.00	7,875.00	12,122.16	7,950.00	110.19	116.36	92.47	-3,245.87	4,158.12	1,740.01	1,521.65	218.36	7.969		
11,700.00	7,875.00	12,222.16	7,950.00	112.74	118.74	92.47	-3,246.98	4,258.11	1,739.97	1,516.47	223.50	7.785		
11,800.00	7,875.00	12,322.16	7,950.00	115.31	121.14	92.47	-3,248.08	4,358.10	1,739.93	1,511.27	228.66	7.609		
11,900.00	7,875.00	12,422.16	7,950.00	117.87	123.55	92.47	-3,249.19	4,458.10	1,739.89	1,506.07	233.82	7.441		
12,000.00	7,875.00	12,522.16	7,950.00	120.45	125.97	92.47	-3,250.29	4,558.09	1,739.86	1,500.86	239.00	7.280		
12,100.00	7,875.00	12,622.16	7,950.00	123.03	128.41	92.47	-3,251.40	4,658.09	1,739.82	1,495.64	244.18	7.125		
12,200.00	7,875.00	12,722.16	7,950.00	125.61	130.86	92.47	-3,252.50	4,758.08	1,739.78	1,490.41	249.38	6.977		
12,300.00	7,875.00	12,822.16	7,950.00	128.20	133.32	92.47	-3,253.60	4,858.07	1,739.74	1,485.17	254.58	6.834		
12,400.00	7,875.00	12,922.16	7,950.00	130.79	135.78	92.47	-3,254.71	4,958.07	1,739.71	1,479.92	259.79	6.697		
12,500.00	7,875.00	13,022.16	7,950.00	133.39	138.26	92.47	-3,255.81	5,058.06	1,739.67	1,474.67	265.00	6.565		
12,600.00	7,875.00	13,122.16	7,950.00	135.99	140.75	92.47	-3,256.92	5,158.05	1,739.63	1,469.41	270.22	6.438		
12,700.00	7,875.00	13,222.16	7,950.00	138.60	143.25	92.47	-3,258.02	5,258.05	1,739.59	1,464.14	275.45	6.315		
12,800.00	7,875.00	13,322.16	7,950.00	141.21	145.75	92.47	-3,259.13	5,358.04	1,739.56	1,458.87	280.69	6.198		
12,900.00	7,875.00	13,422.16	7,950.00	143.82	148.27	92.47	-3,260.23	5,458.04	1,739.52	1,453.59	285.93	6.084		
13,000.00	7,875.00	13,522.16	7,950.00	146.43	150.79	92.47	-3,261.34	5,558.03	1,739.48	1,448.31	291.17	5.974		
13,100.00	7,875.00	13,622.16	7,950.00	149.05	153.31	92.47	-3,262.44	5,658.02	1,739.44	1,443.02	296.42	5.868		
13,200.00	7,875.00	13,722.16	7,950.00	151.67	155.84	92.47	-3,263.55	5,758.02	1,739.41	1,437.73	301.68	5.766		
13,300.00	7,875.00	13,822.16	7,950.00	154.30	158.38	92.47	-3,264.65	5,858.01	1,739.37	1,432.43	306.94	5.667		
13,400.00	7,875.00	13,922.16	7,950.00	156.92	160.93	92.47	-3,265.75	5,958.01	1,739.33	1,427.13	312.20	5.571		
13,500.00	7,875.00	14,022.16	7,950.00	159.55	163.48	92.47	-3,266.86	6,058.00	1,739.29	1,421.83	317.47	5.479		
13,600.00	7,875.00	14,122.16	7,950.00	162.18	166.03	92.47	-3,267.96	6,157.99	1,739.26	1,416.52	322.74	5.389		
13,700.00	7,875.00	14,222.16	7,950.00	164.81	168.59	92.47	-3,269.07	6,257.99	1,739.22	1,411.20	328.01	5.302		
13,800.00	7,875.00	14,322.16	7,950.00	167.45	171.16	92.47	-3,270.17	6,357.98	1,739.18	1,405.89	333.29	5.218		
13,900.00	7,875.00	14,422.16	7,950.00	170.08	173.72	92.47	-3,271.28	6,457.98	1,739.14	1,400.57	338.58	5.137		
14,000.00	7,875.00	14,522.16	7,950.00	172.72	176.30	92.47	-3,272.38	6,557.97	1,739.11	1,395.25	343.86	5.058		
14,100.00	7,875.00	14,622.16	7,950.00	175.36	178.87	92.48	-3,273.49	6,657.96	1,739.07	1,389.92	349.15	4.981		
14,200.00	7,875.00	14,722.16	7,950.00	178.00	181.45	92.48	-3,274.59	6,757.96	1,739.03	1,384.59	354.44	4.906		

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 3AH
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 3AH	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)	Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,875.00	14,822.16	7,950.00	180.65	184.04	92.48	-3,275.69	6,857.95	1,738.99	1,379.26	359.74	4.834		
14,400.00	7,875.00	14,922.16	7,950.00	183.29	186.62	92.48	-3,276.80	6,957.95	1,738.96	1,373.92	365.03	4.764		
14,500.00	7,875.00	15,022.16	7,950.00	185.94	189.22	92.48	-3,277.90	7,057.94	1,738.92	1,368.59	370.33	4.696		
14,600.00	7,875.00	15,122.16	7,950.00	188.59	191.81	92.48	-3,279.01	7,157.93	1,738.88	1,363.25	375.63	4.629		
14,700.00	7,875.00	15,222.16	7,950.00	191.23	194.41	92.48	-3,280.11	7,257.93	1,738.84	1,357.91	380.94	4.565		
14,800.00	7,875.00	15,322.16	7,950.00	193.89	197.00	92.48	-3,281.22	7,357.92	1,738.81	1,352.56	386.24	4.502		
14,900.00	7,875.00	15,422.16	7,950.00	196.54	199.61	92.48	-3,282.32	7,457.91	1,738.77	1,347.22	391.55	4.441		
15,000.00	7,875.00	15,522.16	7,950.00	199.19	202.21	92.48	-3,283.43	7,557.91	1,738.73	1,341.87	396.86	4.381		
15,100.00	7,875.00	15,622.16	7,950.00	201.84	204.82	92.48	-3,284.53	7,657.90	1,738.69	1,336.52	402.18	4.323		
15,200.00	7,875.00	15,722.16	7,950.00	204.50	207.43	92.48	-3,285.63	7,757.90	1,738.66	1,331.17	407.49	4.267		
15,300.00	7,875.00	15,822.16	7,950.00	207.15	210.04	92.48	-3,286.74	7,857.89	1,738.62	1,325.81	412.81	4.212		
15,400.00	7,875.00	15,922.16	7,950.00	209.81	212.66	92.48	-3,287.84	7,957.88	1,738.58	1,320.46	418.12	4.158		
15,500.00	7,875.00	16,022.16	7,950.00	212.47	215.27	92.48	-3,288.95	8,057.88	1,738.54	1,315.10	423.44	4.106		
15,600.00	7,875.00	16,122.16	7,950.00	215.13	217.89	92.48	-3,290.05	8,157.87	1,738.51	1,309.74	428.77	4.055		
15,700.00	7,875.00	16,222.16	7,950.00	217.79	220.51	92.48	-3,291.16	8,257.87	1,738.47	1,304.38	434.09	4.005		
15,800.00	7,875.00	16,322.16	7,950.00	220.45	223.13	92.48	-3,292.26	8,357.86	1,738.43	1,299.02	439.41	3.956		
15,900.00	7,875.00	16,422.16	7,950.00	223.11	225.76	92.48	-3,293.37	8,457.85	1,738.39	1,293.66	444.74	3.909		
16,000.00	7,875.00	16,522.16	7,950.00	225.77	228.38	92.48	-3,294.47	8,557.85	1,738.36	1,288.29	450.07	3.862		
16,100.00	7,875.00	16,622.16	7,950.00	228.44	231.01	92.48	-3,295.57	8,657.84	1,738.32	1,282.92	455.40	3.817		
16,166.40	7,875.00	16,688.55	7,950.00	230.20	232.76	92.48	-3,296.31	8,724.23	1,738.29	1,279.36	458.93	3.788		
16,200.00	7,875.00	16,680.54	7,950.00	231.10	232.54	92.48	-3,296.22	8,716.22	1,738.78	1,278.09	460.69	3.774		
16,300.00	7,875.00	16,680.54	7,950.00	233.76	232.54	92.48	-3,296.22	8,716.22	1,744.00	1,279.13	464.87	3.752 SF		
16,400.00	7,875.00	16,680.54	7,950.00	236.43	232.54	92.48	-3,296.22	8,716.22	1,754.92	1,287.35	467.57	3.753		
16,500.00	7,875.00	16,680.54	7,950.00	239.09	232.54	92.48	-3,296.22	8,716.22	1,771.42	1,302.62	468.81	3.779		
16,600.00	7,875.00	16,680.54	7,950.00	241.76	232.54	92.48	-3,296.22	8,716.22	1,793.36	1,324.71	468.65	3.827		
16,700.00	7,875.00	16,680.54	7,950.00	244.43	232.54	92.48	-3,296.22	8,716.22	1,820.53	1,353.33	467.20	3.897		
16,800.00	7,875.00	16,680.54	7,950.00	247.10	232.54	92.48	-3,296.22	8,716.22	1,852.71	1,388.13	464.58	3.988		
16,900.00	7,875.00	16,680.54	7,950.00	249.76	232.54	92.48	-3,296.22	8,716.22	1,889.63	1,428.70	460.94	4.100		
17,000.00	7,875.00	16,680.54	7,950.00	252.43	232.54	92.48	-3,296.22	8,716.22	1,931.04	1,474.62	456.42	4.231		
17,100.00	7,875.00	16,680.54	7,950.00	255.10	232.54	92.48	-3,296.22	8,716.22	1,976.64	1,525.47	451.17	4.381		
17,200.00	7,875.00	16,680.54	7,950.00	257.77	232.54	92.48	-3,296.22	8,716.22	2,026.15	1,580.82	445.33	4.550		
17,300.00	7,875.00	16,680.54	7,950.00	260.44	232.54	92.48	-3,296.22	8,716.22	2,079.30	1,640.26	439.04	4.736		
17,400.00	7,875.00	16,680.54	7,950.00	263.11	232.54	92.48	-3,296.22	8,716.22	2,135.81	1,703.39	432.42	4.939		
17,500.00	7,875.00	16,680.54	7,950.00	265.79	232.54	92.48	-3,296.22	8,716.22	2,195.42	1,769.85	425.58	5.159		
17,600.00	7,875.00	16,680.54	7,950.00	268.46	232.54	92.48	-3,296.22	8,716.22	2,257.89	1,839.30	418.59	5.394		
17,700.00	7,875.00	16,680.54	7,950.00	271.13	232.54	92.48	-3,296.22	8,716.22	2,322.99	1,911.44	411.55	5.645		
17,800.00	7,875.00	16,680.54	7,950.00	273.80	232.54	92.48	-3,296.22	8,716.22	2,390.49	1,985.99	404.51	5.910		
17,900.00	7,875.00	16,680.54	7,950.00	276.48	232.54	92.48	-3,296.22	8,716.22	2,460.21	2,062.69	397.52	6.189		
18,000.00	7,875.00	16,680.54	7,950.00	279.15	232.54	92.48	-3,296.22	8,716.22	2,531.97	2,141.33	390.64	6.482		
18,100.00	7,875.00	16,680.54	7,950.00	281.82	232.54	92.48	-3,296.22	8,716.22	2,605.58	2,221.70	383.88	6.788		
18,200.00	7,875.00	16,680.54	7,950.00	284.50	232.54	92.48	-3,296.22	8,716.22	2,680.90	2,303.63	377.27	7.106		
18,265.67	7,875.00	16,680.54	7,950.00	286.26	232.54	92.48	-3,296.22	8,716.22	2,731.23	2,358.20	373.03	7.322		

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3AH
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 3AH	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

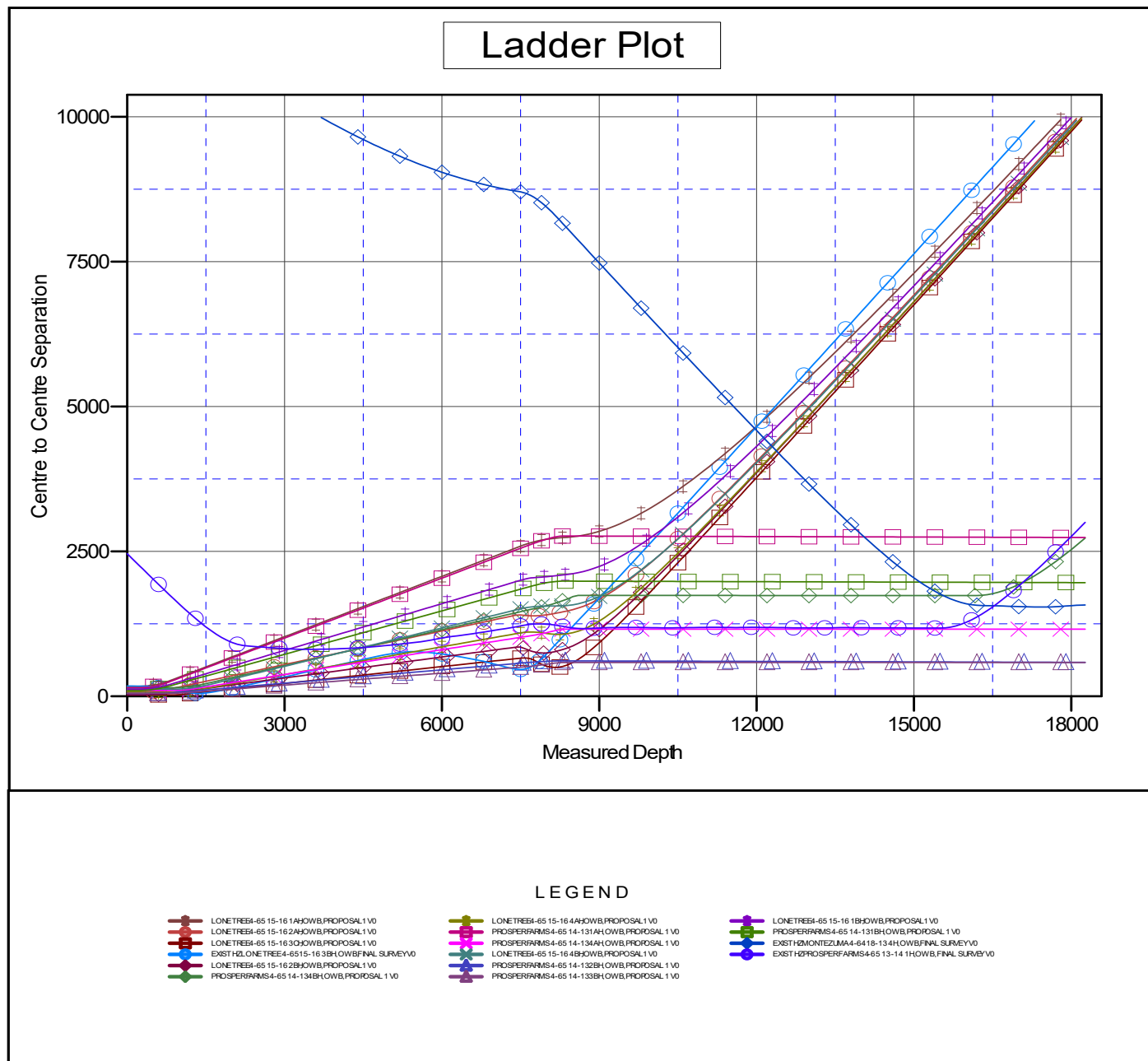
Offset Depths are relative to Offset Datum

Central Meridian is 105.500000°W

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

Coordinate System is US State Plane 1983, Colorado Central Zone

Grid Convergence at Surface is: 0.54°



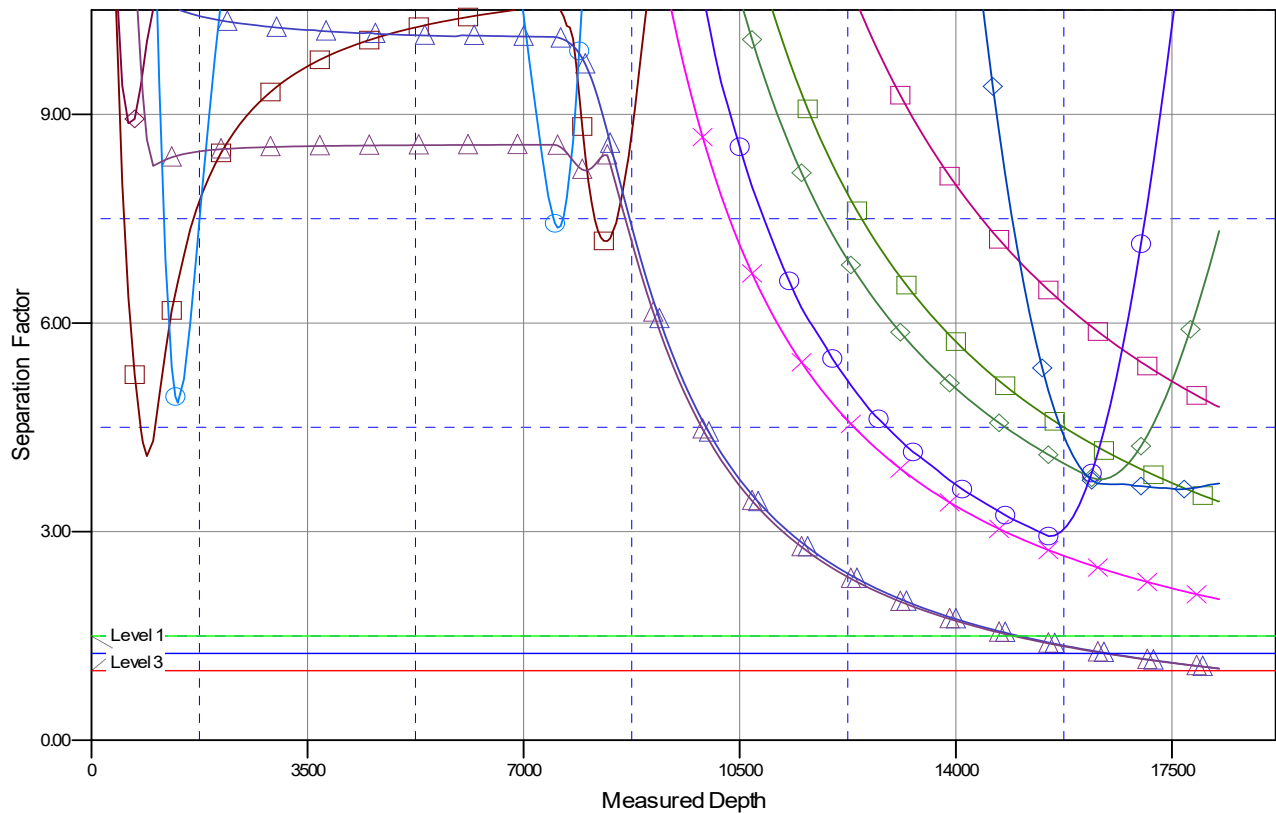
Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3AH
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 3AH	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 3AH
 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"> LONETREE4-65 15-16 1AH OWB, PROPOSAL 1 V0 LONETREE4-65 15-16 2AH OWB, PROPOSAL 1 V0 LONETREE4-65 15-16 3AH OWB, PROPOSAL 1 V0 EXIST H2 LONETREE4-65 15-16 3BH OWB, FINAL SURVEY V0 LONETREE4-65 15-16 2BH OWB, PROPOSAL 1 V0 PROSPERFARMS4-65 14-13 4BH OWB, PROPOSAL 1 V0 	<ul style="list-style-type: none"> LONETREE4-65 15-16 4AH OWB, PROPOSAL 1 V0 PROSPERFARMS4-65 14-13 1AH OWB, PROPOSAL 1 V0 PROSPERFARMS4-65 14-13 4AH OWB, PROPOSAL 1 V0 LONETREE4-65 15-16 4BH OWB, PROPOSAL 1 V0 PROSPERFARMS4-65 14-13 2BH OWB, PROPOSAL 1 V0 PROSPERFARMS4-65 14-13 3BH OWB, PROPOSAL 1 V0 	<ul style="list-style-type: none"> LONETREE4-65 15-16 1BH OWB, PROPOSAL 1 V0 PROSPERFARMS4-65 14-13 1BH OWB, PROPOSAL 1 V0 EXIST H2 MONTEZUMA4-64 18-13 4H OWB, FINAL SURVEY V0 EXIST H2 PROSPERFARMS4-65 13-14 1H OWB, FINAL SURVEY V0
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