

CRESTONE PEAK RESOURCES

ARAPAHOE COUNTY

SEC 10-T4S-R65W

PROSPER FARMS 4-65 11-12 1BH

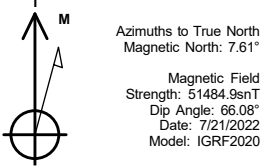
OWB

Plan: PROPOSAL 1

Standard Planning Report

21 July, 2022

Project: ARAPAHOE COUNTY
Site: SEC 10-T4S-R65W
Well: PROSPER FARMS 4-65 11-12 1BH
Wellbore: OWB
Design: PROPOSAL 1



WELL DETAILS: PROSPER FARMS 4-65 11-12 1BH						
			5684.00			
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	1687446.52	3241250.84	39.717717°N	104.642394°W	

ANNOTATIONS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	VSec	Departure	Annotation	
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	Start Build 2.00	
769.59	13.39	7.59	763.51	77.21	10.29	21.48	77.90	Start 6578.15 hold at 769.59 MD	
7347.74	13.39	7.59	7162.79	1587.42	211.57	441.51	1601.46	Start DLS 10.00 TFO 83.34	
8231.93	90.00	90.75	7705.00	1708.08	785.94	1027.35	2207.32	Start 9888.97 hold at 8231.93 MD	
18120.90	90.00	90.75	7705.00	1578.43	10674.05	10790.13	12096.29	TD at 18120.90	

SECTION DETAILS									
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	
3	769.59	13.39	7.59	763.51	77.21	10.29	2.00	7.59	21.48
4	7347.74	13.39	7.59	7162.79	1587.42	211.57	0.00	0.00	441.51
5	8231.93	90.00	90.75	7705.00	1708.08	785.94	10.00	83.34	LP-PF 4-65 11-12 1BH
6	18120.90	90.00	90.75	7705.00	1578.43	10674.05	0.00	0.00	PBHL-PF 4-65 11-12 1BH

DESIGN TARGET DETAILS											
Name				TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
LP-PF 4-65	11-12	1BH		7705.00	1708.08	785.94	1689161.93	3242020.61	39.722406°N	104.639600°W	Point
- plan hits target center											
PBHL-PF 4-65	11-12	1BH		7705.00	1578.43	10674.05	1689125.63	3251909.45	39.722044°N	104.604448°W	Point
- plan hits target center											

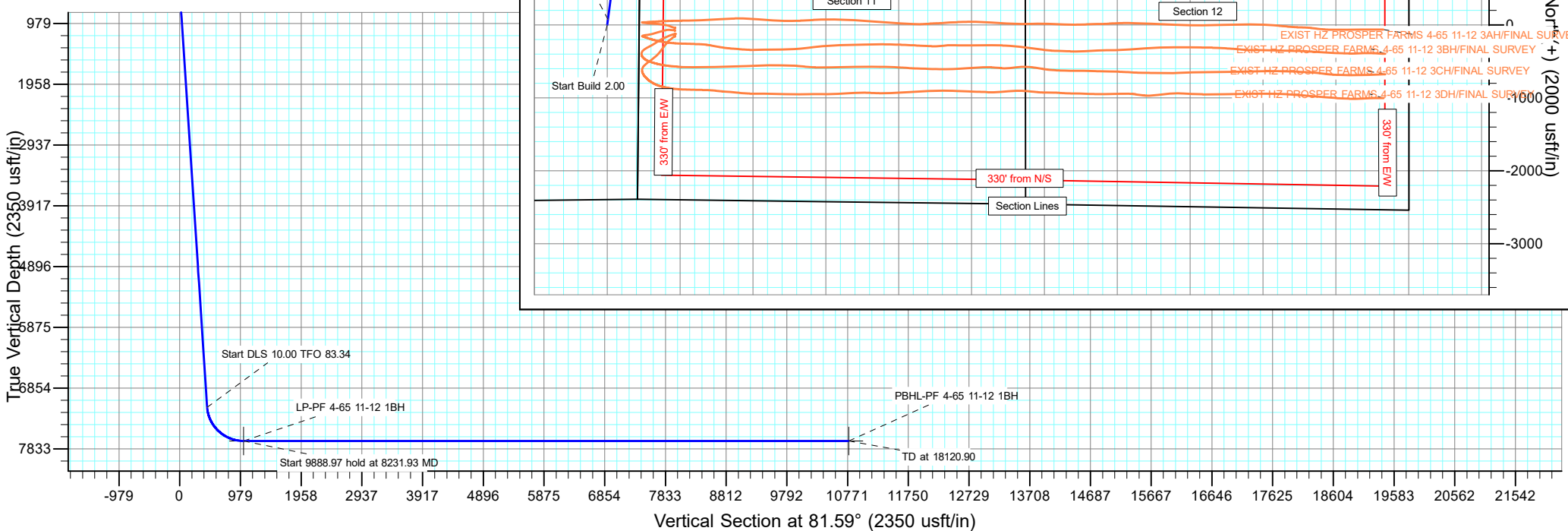
PROJECT DETAILS: ARAPAHOE COUNTY

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

SHL:
2394' FSL, 440' FEL
Sec 10-T4S-R65W

LP:
1170' FNL, 330' FWL
Sec 11-T4S-R65W

BHL:
1170' FNL, 330' FEL
Sec 12-T4S-R65W



Planning Report

Database:	EDT_32Bit_ODBC	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 11-12 1BH
Company:	CRESTONE PEAK RESOURCES	TVD Reference:	KB 25' @ 5709.00usft
Project:	ARAPAHOE COUNTY	MD Reference:	KB 25' @ 5709.00usft
Site:	SEC 10-T4S-R65W	North Reference:	True
Well:	PROSPER FARMS 4-65 11-12 1BH	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 10-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 11-12 1BH			
Well Position	+N/-S	2,389.23 usft	Northing:	1,687,446.52 usft
	+E/-W	-417.47 usft	Easting:	3,241,250.84 usft
Position Uncertainty		0.00 usft	Wellhead Elevation:	
			Ground Level:	5,684.00 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	7/21/2022	7.61	66.08	51,484.87779976

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	81.59

Plan Survey Tool Program	Date	7/21/2022		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	18,120.90	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	
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	
769.59	13.39	7.59	763.51	77.21	10.29	2.00	2.00	0.00	7.59	
7,347.74	13.39	7.59	7,162.79	1,587.42	211.57	0.00	0.00	0.00	0.00	
8,231.93	90.00	90.75	7,705.00	1,708.08	785.94	10.00	8.66	9.41	83.34	LP-PF 4-65 11-12 1BH
18,120.90	90.00	90.75	7,705.00	1,578.43	10,674.05	0.00	0.00	0.00	0.00	PBHL-PF 4-65 11-12

Planning Report

Database:	EDT_32Bit_ODBC	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 11-12 1BH
Company:	CRESTONE PEAK RESOURCES	TVD Reference:	KB 25' @ 5709.00usft
Project:	ARAPAHOE COUNTY	MD Reference:	KB 25' @ 5709.00usft
Site:	SEC 10-T4S-R65W	North Reference:	True
Well:	PROSPER FARMS 4-65 11-12 1BH	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
Start Build 2.00									
200.00	2.00	7.59	199.98	1.73	0.23	0.48	2.00	2.00	0.00
300.00	4.00	7.59	299.84	6.92	0.92	1.92	2.00	2.00	0.00
400.00	6.00	7.59	399.45	15.56	2.07	4.33	2.00	2.00	0.00
500.00	8.00	7.59	498.70	27.64	3.68	7.69	2.00	2.00	0.00
600.00	10.00	7.59	597.47	43.14	5.75	12.00	2.00	2.00	0.00
700.00	12.00	7.59	695.62	62.05	8.27	17.26	2.00	2.00	0.00
769.59	13.39	7.59	763.51	77.21	10.29	21.48	2.00	2.00	0.00
Start 6578.15 hold at 769.59 MD									
800.00	13.39	7.59	793.09	84.20	11.22	23.42	0.00	0.00	0.00
900.00	13.39	7.59	890.37	107.15	14.28	29.80	0.00	0.00	0.00
1,000.00	13.39	7.59	987.65	130.11	17.34	36.19	0.00	0.00	0.00
1,100.00	13.39	7.59	1,084.94	153.07	20.40	42.57	0.00	0.00	0.00
1,200.00	13.39	7.59	1,182.22	176.03	23.46	48.96	0.00	0.00	0.00
1,300.00	13.39	7.59	1,279.50	198.99	26.52	55.34	0.00	0.00	0.00
1,400.00	13.39	7.59	1,376.78	221.94	29.58	61.73	0.00	0.00	0.00
1,500.00	13.39	7.59	1,474.06	244.90	32.64	68.11	0.00	0.00	0.00
1,600.00	13.39	7.59	1,571.34	267.86	35.70	74.50	0.00	0.00	0.00
1,700.00	13.39	7.59	1,668.62	290.82	38.76	80.88	0.00	0.00	0.00
1,800.00	13.39	7.59	1,765.90	313.78	41.82	87.27	0.00	0.00	0.00
1,900.00	13.39	7.59	1,863.18	336.73	44.88	93.65	0.00	0.00	0.00
2,000.00	13.39	7.59	1,960.46	359.69	47.94	100.04	0.00	0.00	0.00
2,100.00	13.39	7.59	2,057.74	382.65	51.00	106.43	0.00	0.00	0.00
2,200.00	13.39	7.59	2,155.03	405.61	54.06	112.81	0.00	0.00	0.00
2,300.00	13.39	7.59	2,252.31	428.57	57.12	119.20	0.00	0.00	0.00
2,400.00	13.39	7.59	2,349.59	451.52	60.18	125.58	0.00	0.00	0.00
2,500.00	13.39	7.59	2,446.87	474.48	63.24	131.97	0.00	0.00	0.00
2,600.00	13.39	7.59	2,544.15	497.44	66.30	138.35	0.00	0.00	0.00
2,700.00	13.39	7.59	2,641.43	520.40	69.36	144.74	0.00	0.00	0.00
2,800.00	13.39	7.59	2,738.71	543.35	72.42	151.12	0.00	0.00	0.00
2,900.00	13.39	7.59	2,835.99	566.31	75.48	157.51	0.00	0.00	0.00
3,000.00	13.39	7.59	2,933.27	589.27	78.54	163.89	0.00	0.00	0.00
3,100.00	13.39	7.59	3,030.55	612.23	81.60	170.28	0.00	0.00	0.00
3,200.00	13.39	7.59	3,127.83	635.19	84.66	176.66	0.00	0.00	0.00
3,300.00	13.39	7.59	3,225.12	658.14	87.72	183.05	0.00	0.00	0.00
3,400.00	13.39	7.59	3,322.40	681.10	90.78	189.43	0.00	0.00	0.00
3,500.00	13.39	7.59	3,419.68	704.06	93.84	195.82	0.00	0.00	0.00
3,600.00	13.39	7.59	3,516.96	727.02	96.89	202.20	0.00	0.00	0.00
3,700.00	13.39	7.59	3,614.24	749.98	99.95	208.59	0.00	0.00	0.00
3,800.00	13.39	7.59	3,711.52	772.93	103.01	214.97	0.00	0.00	0.00
3,900.00	13.39	7.59	3,808.80	795.89	106.07	221.36	0.00	0.00	0.00
4,000.00	13.39	7.59	3,906.08	818.85	109.13	227.74	0.00	0.00	0.00
4,100.00	13.39	7.59	4,003.36	841.81	112.19	234.13	0.00	0.00	0.00
4,200.00	13.39	7.59	4,100.64	864.77	115.25	240.52	0.00	0.00	0.00
4,300.00	13.39	7.59	4,197.92	887.72	118.31	246.90	0.00	0.00	0.00
4,400.00	13.39	7.59	4,295.20	910.68	121.37	253.29	0.00	0.00	0.00
4,500.00	13.39	7.59	4,392.49	933.64	124.43	259.67	0.00	0.00	0.00
4,600.00	13.39	7.59	4,489.77	956.60	127.49	266.06	0.00	0.00	0.00
4,700.00	13.39	7.59	4,587.05	979.56	130.55	272.44	0.00	0.00	0.00
4,800.00	13.39	7.59	4,684.33	1,002.51	133.61	278.83	0.00	0.00	0.00
4,900.00	13.39	7.59	4,781.61	1,025.47	136.67	285.21	0.00	0.00	0.00

Planning Report

Database:	EDT_32Bit_ODBC	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 11-12 1BH
Company:	CRESTONE PEAK RESOURCES	TVD Reference:	KB 25' @ 5709.00usft
Project:	ARAPAHOE COUNTY	MD Reference:	KB 25' @ 5709.00usft
Site:	SEC 10-T4S-R65W	North Reference:	True
Well:	PROSPER FARMS 4-65 11-12 1BH	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)	
5,000.00	13.39	7.59	4,878.89	1,048.43	139.73	291.60	0.00	0.00	0.00	
5,100.00	13.39	7.59	4,976.17	1,071.39	142.79	297.98	0.00	0.00	0.00	
5,200.00	13.39	7.59	5,073.45	1,094.35	145.85	304.37	0.00	0.00	0.00	
5,300.00	13.39	7.59	5,170.73	1,117.30	148.91	310.75	0.00	0.00	0.00	
5,400.00	13.39	7.59	5,268.01	1,140.26	151.97	317.14	0.00	0.00	0.00	
5,500.00	13.39	7.59	5,365.29	1,163.22	155.03	323.52	0.00	0.00	0.00	
5,600.00	13.39	7.59	5,462.58	1,186.18	158.09	329.91	0.00	0.00	0.00	
5,700.00	13.39	7.59	5,559.86	1,209.14	161.15	336.29	0.00	0.00	0.00	
5,800.00	13.39	7.59	5,657.14	1,232.09	164.21	342.68	0.00	0.00	0.00	
5,900.00	13.39	7.59	5,754.42	1,255.05	167.27	349.06	0.00	0.00	0.00	
6,000.00	13.39	7.59	5,851.70	1,278.01	170.33	355.45	0.00	0.00	0.00	
6,100.00	13.39	7.59	5,948.98	1,300.97	173.39	361.84	0.00	0.00	0.00	
6,200.00	13.39	7.59	6,046.26	1,323.93	176.45	368.22	0.00	0.00	0.00	
6,300.00	13.39	7.59	6,143.54	1,346.88	179.51	374.61	0.00	0.00	0.00	
6,400.00	13.39	7.59	6,240.82	1,369.84	182.57	380.99	0.00	0.00	0.00	
6,500.00	13.39	7.59	6,338.10	1,392.80	185.63	387.38	0.00	0.00	0.00	
6,600.00	13.39	7.59	6,435.38	1,415.76	188.69	393.76	0.00	0.00	0.00	
6,700.00	13.39	7.59	6,532.66	1,438.72	191.75	400.15	0.00	0.00	0.00	
6,800.00	13.39	7.59	6,629.95	1,461.67	194.81	406.53	0.00	0.00	0.00	
6,900.00	13.39	7.59	6,727.23	1,484.63	197.87	412.92	0.00	0.00	0.00	
7,000.00	13.39	7.59	6,824.51	1,507.59	200.93	419.30	0.00	0.00	0.00	
7,100.00	13.39	7.59	6,921.79	1,530.55	203.99	425.69	0.00	0.00	0.00	
7,200.00	13.39	7.59	7,019.07	1,553.51	207.05	432.07	0.00	0.00	0.00	
7,300.00	13.39	7.59	7,116.35	1,576.46	210.11	438.46	0.00	0.00	0.00	
7,347.74	13.39	7.59	7,162.79	1,587.42	211.57	441.51	0.00	0.00	0.00	
Start DLS 10.00 TFO 83.34										
7,350.00	13.42	8.56	7,164.99	1,587.94	211.64	441.66	10.00	1.24	42.80	
7,400.00	14.91	28.17	7,213.50	1,599.36	215.54	447.19	10.00	2.99	39.23	
7,450.00	17.71	43.01	7,261.50	1,610.60	223.78	456.97	10.00	5.60	29.67	
7,500.00	21.31	53.46	7,308.63	1,621.58	236.27	470.94	10.00	7.20	20.89	
7,550.00	25.37	60.85	7,354.54	1,632.21	252.94	488.99	10.00	8.12	14.79	
7,600.00	29.70	66.27	7,398.87	1,642.42	273.65	510.97	10.00	8.66	10.84	
7,650.00	34.20	70.40	7,441.29	1,652.13	298.25	536.72	10.00	9.00	8.26	
7,700.00	38.81	73.66	7,481.47	1,661.26	326.54	566.04	10.00	9.22	6.52	
7,750.00	43.50	76.33	7,519.11	1,669.74	358.32	598.72	10.00	9.37	5.33	
7,800.00	48.23	78.56	7,553.92	1,677.51	393.34	634.50	10.00	9.47	4.48	
7,850.00	53.01	80.49	7,585.64	1,684.51	431.33	673.11	10.00	9.55	3.86	
7,900.00	57.81	82.19	7,614.02	1,690.68	472.01	714.25	10.00	9.60	3.40	
7,950.00	62.63	83.72	7,638.85	1,695.99	515.06	757.62	10.00	9.64	3.06	
8,000.00	67.46	85.12	7,659.94	1,700.38	560.17	802.88	10.00	9.67	2.80	
8,050.00	72.31	86.43	7,677.13	1,703.83	606.98	849.69	10.00	9.69	2.61	
8,100.00	77.17	87.66	7,690.28	1,706.31	655.13	897.69	10.00	9.71	2.47	
8,150.00	82.03	88.85	7,699.31	1,707.80	704.27	946.52	10.00	9.72	2.38	
8,200.00	86.89	90.02	7,704.13	1,708.29	754.02	995.81	10.00	9.73	2.32	
8,231.93	90.00	90.75	7,705.00	1,708.08	785.94	1,027.35	10.00	9.73	2.30	
Start 9888.97 hold at 8231.93 MD										
8,300.00	90.00	90.75	7,705.00	1,707.18	854.00	1,094.55	0.00	0.00	0.00	
8,400.00	90.00	90.75	7,705.00	1,705.87	953.99	1,193.27	0.00	0.00	0.00	
8,500.00	90.00	90.75	7,705.00	1,704.56	1,053.98	1,292.00	0.00	0.00	0.00	
8,600.00	90.00	90.75	7,705.00	1,703.25	1,153.97	1,390.72	0.00	0.00	0.00	
8,700.00	90.00	90.75	7,705.00	1,701.94	1,253.97	1,489.44	0.00	0.00	0.00	
8,800.00	90.00	90.75	7,705.00	1,700.63	1,353.96	1,588.17	0.00	0.00	0.00	
8,900.00	90.00	90.75	7,705.00	1,699.32	1,453.95	1,686.89	0.00	0.00	0.00	
9,000.00	90.00	90.75	7,705.00	1,698.01	1,553.94	1,785.62	0.00	0.00	0.00	

Planning Report

Database:	EDT_32Bit_ODBC	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 11-12 1BH
Company:	CRESTONE PEAK RESOURCES	TVD Reference:	KB 25' @ 5709.00usft
Project:	ARAPAHOE COUNTY	MD Reference:	KB 25' @ 5709.00usft
Site:	SEC 10-T4S-R65W	North Reference:	True
Well:	PROSPER FARMS 4-65 11-12 1BH	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)	
9,100.00	90.00	90.75	7,705.00	1,696.70	1,653.93	1,884.34	0.00	0.00	0.00	
9,200.00	90.00	90.75	7,705.00	1,695.38	1,753.92	1,983.06	0.00	0.00	0.00	
9,300.00	90.00	90.75	7,705.00	1,694.07	1,853.91	2,081.79	0.00	0.00	0.00	
9,400.00	90.00	90.75	7,705.00	1,692.76	1,953.91	2,180.51	0.00	0.00	0.00	
9,500.00	90.00	90.75	7,705.00	1,691.45	2,053.90	2,279.24	0.00	0.00	0.00	
9,600.00	90.00	90.75	7,705.00	1,690.14	2,153.89	2,377.96	0.00	0.00	0.00	
9,700.00	90.00	90.75	7,705.00	1,688.83	2,253.88	2,476.68	0.00	0.00	0.00	
9,800.00	90.00	90.75	7,705.00	1,687.52	2,353.87	2,575.41	0.00	0.00	0.00	
9,900.00	90.00	90.75	7,705.00	1,686.21	2,453.86	2,674.13	0.00	0.00	0.00	
10,000.00	90.00	90.75	7,705.00	1,684.90	2,553.85	2,772.86	0.00	0.00	0.00	
10,100.00	90.00	90.75	7,705.00	1,683.59	2,653.85	2,871.58	0.00	0.00	0.00	
10,200.00	90.00	90.75	7,705.00	1,682.27	2,753.84	2,970.30	0.00	0.00	0.00	
10,300.00	90.00	90.75	7,705.00	1,680.96	2,853.83	3,069.03	0.00	0.00	0.00	
10,400.00	90.00	90.75	7,705.00	1,679.65	2,953.82	3,167.75	0.00	0.00	0.00	
10,500.00	90.00	90.75	7,705.00	1,678.34	3,053.81	3,266.48	0.00	0.00	0.00	
10,600.00	90.00	90.75	7,705.00	1,677.03	3,153.80	3,365.20	0.00	0.00	0.00	
10,700.00	90.00	90.75	7,705.00	1,675.72	3,253.79	3,463.92	0.00	0.00	0.00	
10,800.00	90.00	90.75	7,705.00	1,674.41	3,353.79	3,562.65	0.00	0.00	0.00	
10,900.00	90.00	90.75	7,705.00	1,673.10	3,453.78	3,661.37	0.00	0.00	0.00	
11,000.00	90.00	90.75	7,705.00	1,671.79	3,553.77	3,760.09	0.00	0.00	0.00	
11,100.00	90.00	90.75	7,705.00	1,670.47	3,653.76	3,858.82	0.00	0.00	0.00	
11,200.00	90.00	90.75	7,705.00	1,669.16	3,753.75	3,957.54	0.00	0.00	0.00	
11,300.00	90.00	90.75	7,705.00	1,667.85	3,853.74	4,056.27	0.00	0.00	0.00	
11,400.00	90.00	90.75	7,705.00	1,666.54	3,953.73	4,154.99	0.00	0.00	0.00	
11,500.00	90.00	90.75	7,705.00	1,665.23	4,053.73	4,253.71	0.00	0.00	0.00	
11,600.00	90.00	90.75	7,705.00	1,663.92	4,153.72	4,352.44	0.00	0.00	0.00	
11,700.00	90.00	90.75	7,705.00	1,662.61	4,253.71	4,451.16	0.00	0.00	0.00	
11,800.00	90.00	90.75	7,705.00	1,661.30	4,353.70	4,549.89	0.00	0.00	0.00	
11,900.00	90.00	90.75	7,705.00	1,659.99	4,453.69	4,648.61	0.00	0.00	0.00	
12,000.00	90.00	90.75	7,705.00	1,658.68	4,553.68	4,747.33	0.00	0.00	0.00	
12,100.00	90.00	90.75	7,705.00	1,657.36	4,653.67	4,846.06	0.00	0.00	0.00	
12,200.00	90.00	90.75	7,705.00	1,656.05	4,753.66	4,944.78	0.00	0.00	0.00	
12,300.00	90.00	90.75	7,705.00	1,654.74	4,853.66	5,043.51	0.00	0.00	0.00	
12,400.00	90.00	90.75	7,705.00	1,653.43	4,953.65	5,142.23	0.00	0.00	0.00	
12,500.00	90.00	90.75	7,705.00	1,652.12	5,053.64	5,240.95	0.00	0.00	0.00	
12,600.00	90.00	90.75	7,705.00	1,650.81	5,153.63	5,339.68	0.00	0.00	0.00	
12,700.00	90.00	90.75	7,705.00	1,649.50	5,253.62	5,438.40	0.00	0.00	0.00	
12,800.00	90.00	90.75	7,705.00	1,648.19	5,353.61	5,537.13	0.00	0.00	0.00	
12,900.00	90.00	90.75	7,705.00	1,646.88	5,453.60	5,635.85	0.00	0.00	0.00	
13,000.00	90.00	90.75	7,705.00	1,645.57	5,553.60	5,734.57	0.00	0.00	0.00	
13,100.00	90.00	90.75	7,705.00	1,644.25	5,653.59	5,833.30	0.00	0.00	0.00	
13,200.00	90.00	90.75	7,705.00	1,642.94	5,753.58	5,932.02	0.00	0.00	0.00	
13,300.00	90.00	90.75	7,705.00	1,641.63	5,853.57	6,030.75	0.00	0.00	0.00	
13,400.00	90.00	90.75	7,705.00	1,640.32	5,953.56	6,129.47	0.00	0.00	0.00	
13,500.00	90.00	90.75	7,705.00	1,639.01	6,053.55	6,228.19	0.00	0.00	0.00	
13,600.00	90.00	90.75	7,705.00	1,637.70	6,153.54	6,326.92	0.00	0.00	0.00	
13,700.00	90.00	90.75	7,705.00	1,636.39	6,253.54	6,425.64	0.00	0.00	0.00	
13,800.00	90.00	90.75	7,705.00	1,635.08	6,353.53	6,524.37	0.00	0.00	0.00	
13,900.00	90.00	90.75	7,705.00	1,633.77	6,453.52	6,623.09	0.00	0.00	0.00	
14,000.00	90.00	90.75	7,705.00	1,632.45	6,553.51	6,721.81	0.00	0.00	0.00	
14,100.00	90.00	90.75	7,705.00	1,631.14	6,653.50	6,820.54	0.00	0.00	0.00	
14,200.00	90.00	90.75	7,705.00	1,629.83	6,753.49	6,919.26	0.00	0.00	0.00	
14,300.00	90.00	90.75	7,705.00	1,628.52	6,853.48	7,017.99	0.00	0.00	0.00	
14,400.00	90.00	90.75	7,705.00	1,627.21	6,953.48	7,116.71	0.00	0.00	0.00	

Planning Report

Database:	EDT_32Bit_ODBC	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 11-12 1BH
Company:	CRESTONE PEAK RESOURCES	TVD Reference:	KB 25' @ 5709.00usft
Project:	ARAPAHOE COUNTY	MD Reference:	KB 25' @ 5709.00usft
Site:	SEC 10-T4S-R65W	North Reference:	True
Well:	PROSPER FARMS 4-65 11-12 1BH	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)	
14,500.00	90.00	90.75	7,705.00	1,625.90	7,053.47	7,215.43	0.00	0.00	0.00	
14,600.00	90.00	90.75	7,705.00	1,624.59	7,153.46	7,314.16	0.00	0.00	0.00	
14,700.00	90.00	90.75	7,705.00	1,623.28	7,253.45	7,412.88	0.00	0.00	0.00	
14,800.00	90.00	90.75	7,705.00	1,621.97	7,353.44	7,511.61	0.00	0.00	0.00	
14,900.00	90.00	90.75	7,705.00	1,620.66	7,453.43	7,610.33	0.00	0.00	0.00	
15,000.00	90.00	90.75	7,705.00	1,619.34	7,553.42	7,709.05	0.00	0.00	0.00	
15,100.00	90.00	90.75	7,705.00	1,618.03	7,653.42	7,807.78	0.00	0.00	0.00	
15,200.00	90.00	90.75	7,705.00	1,616.72	7,753.41	7,906.50	0.00	0.00	0.00	
15,300.00	90.00	90.75	7,705.00	1,615.41	7,853.40	8,005.23	0.00	0.00	0.00	
15,400.00	90.00	90.75	7,705.00	1,614.10	7,953.39	8,103.95	0.00	0.00	0.00	
15,500.00	90.00	90.75	7,705.00	1,612.79	8,053.38	8,202.67	0.00	0.00	0.00	
15,600.00	90.00	90.75	7,705.00	1,611.48	8,153.37	8,301.40	0.00	0.00	0.00	
15,700.00	90.00	90.75	7,705.00	1,610.17	8,253.36	8,400.12	0.00	0.00	0.00	
15,800.00	90.00	90.75	7,705.00	1,608.86	8,353.36	8,498.85	0.00	0.00	0.00	
15,900.00	90.00	90.75	7,705.00	1,607.55	8,453.35	8,597.57	0.00	0.00	0.00	
16,000.00	90.00	90.75	7,705.00	1,606.23	8,553.34	8,696.29	0.00	0.00	0.00	
16,100.00	90.00	90.75	7,705.00	1,604.92	8,653.33	8,795.02	0.00	0.00	0.00	
16,200.00	90.00	90.75	7,705.00	1,603.61	8,753.32	8,893.74	0.00	0.00	0.00	
16,300.00	90.00	90.75	7,705.00	1,602.30	8,853.31	8,992.47	0.00	0.00	0.00	
16,400.00	90.00	90.75	7,705.00	1,600.99	8,953.30	9,091.19	0.00	0.00	0.00	
16,500.00	90.00	90.75	7,705.00	1,599.68	9,053.30	9,189.91	0.00	0.00	0.00	
16,600.00	90.00	90.75	7,705.00	1,598.37	9,153.29	9,288.64	0.00	0.00	0.00	
16,700.00	90.00	90.75	7,705.00	1,597.06	9,253.28	9,387.36	0.00	0.00	0.00	
16,800.00	90.00	90.75	7,705.00	1,595.75	9,353.27	9,486.09	0.00	0.00	0.00	
16,900.00	90.00	90.75	7,705.00	1,594.43	9,453.26	9,584.81	0.00	0.00	0.00	
17,000.00	90.00	90.75	7,705.00	1,593.12	9,553.25	9,683.53	0.00	0.00	0.00	
17,100.00	90.00	90.75	7,705.00	1,591.81	9,653.24	9,782.26	0.00	0.00	0.00	
17,200.00	90.00	90.75	7,705.00	1,590.50	9,753.24	9,880.98	0.00	0.00	0.00	
17,300.00	90.00	90.75	7,705.00	1,589.19	9,853.23	9,979.71	0.00	0.00	0.00	
17,400.00	90.00	90.75	7,705.00	1,587.88	9,953.22	10,078.43	0.00	0.00	0.00	
17,500.00	90.00	90.75	7,705.00	1,586.57	10,053.21	10,177.15	0.00	0.00	0.00	
17,600.00	90.00	90.75	7,705.00	1,585.26	10,153.20	10,275.88	0.00	0.00	0.00	
17,700.00	90.00	90.75	7,705.00	1,583.95	10,253.19	10,374.60	0.00	0.00	0.00	
17,800.00	90.00	90.75	7,705.00	1,582.64	10,353.18	10,473.32	0.00	0.00	0.00	
17,900.00	90.00	90.75	7,705.00	1,581.32	10,453.18	10,572.05	0.00	0.00	0.00	
18,000.00	90.00	90.75	7,705.00	1,580.01	10,553.17	10,670.77	0.00	0.00	0.00	
18,100.00	90.00	90.75	7,705.00	1,578.70	10,653.16	10,769.50	0.00	0.00	0.00	
18,120.90	90.00	90.75	7,705.00	1,578.43	10,674.05	10,790.13	0.00	0.00	0.00	
TD at 18120.90										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude		Longitude
LP-PF 4-65 11-12 1BH - hit/miss target - Shape - Point	0.00	0.00	7,705.00	1,708.08	785.94	1,689,161.93	3,242,020.61	39.722406°N		104.639600°W
PBHL-PF 4-65 11-12 1B - plan hits target center - Point	0.00	0.00	7,705.00	1,578.43	10,674.05	1,689,125.63	3,251,909.45	39.722044°N		104.604448°W

Planning Report

Database:	EDT_32Bit_ODBC	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 11-12 1BH
Company:	CRESTONE PEAK RESOURCES	TVD Reference:	KB 25' @ 5709.00usft
Project:	ARAPAHOE COUNTY	MD Reference:	KB 25' @ 5709.00usft
Site:	SEC 10-T4S-R65W	North Reference:	True
Well:	PROSPER FARMS 4-65 11-12 1BH	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PROPOSAL 1		

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
100.00	100.00	0.00	0.00	Start Build 2.00
769.59	763.51	77.21	10.29	Start 6578.15 hold at 769.59 MD
7,347.74	7,162.79	1,587.42	211.57	Start DLS 10.00 TFO 83.34
8,231.93	7,705.00	1,708.08	785.94	Start 9888.97 hold at 8231.93 MD
18,120.90	7,705.00	1,578.43	10,674.05	TD at 18120.90

CRESTONE PEAK RESOURCES

**ARAPAHOE COUNTY
SEC 10-T4S-R65W
PROSPER FARMS 4-65 11-12 1BH**

**OWB
PROPOSAL 1**

Anticollision Report

21 July, 2022

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 11-12 1BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 1BH	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:	MD Interval 100.00usft	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	7/21/2022		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	18,120.90	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 10-T4S-R65W						
EXIST HZ PROSPER FARMS 4-65 11-12 1H - OWB - FI	8,524.03	7,783.90	521.25	459.68	8.467	CC
EXIST HZ PROSPER FARMS 4-65 11-12 1H - OWB - FI	15,366.45	14,651.80	524.21	128.17	1.324	Level 3, ES
EXIST HZ PROSPER FARMS 4-65 11-12 1H - OWB - FI	15,400.00	14,645.00	525.49	128.35	1.323	Level 3, SF
EXIST HZ PROSPER FARMS 4-65 11-12 3AH - OWB - F	777.49	753.51	927.22	921.77	170.265	CC
EXIST HZ PROSPER FARMS 4-65 11-12 3AH - OWB - F	900.00	871.50	927.72	921.26	143.581	ES
EXIST HZ PROSPER FARMS 4-65 11-12 3AH - OWB - F	18,120.90	17,827.00	1,638.90	1,083.69	2.952	SF
EXIST HZ PROSPER FARMS 4-65 11-12 3BH - OWB - F	588.81	566.44	931.62	927.69	236.836	CC
EXIST HZ PROSPER FARMS 4-65 11-12 3BH - OWB - F	800.00	772.73	932.68	927.03	165.292	ES
EXIST HZ PROSPER FARMS 4-65 11-12 3BH - OWB - F	18,120.90	17,824.99	1,973.26	1,421.97	3.579	SF
EXIST HZ PROSPER FARMS 4-65 11-12 3CH - OWB - F	106.58	89.57	936.65	936.26	2,413.326	CC
EXIST HZ PROSPER FARMS 4-65 11-12 3CH - OWB - F	300.00	276.20	937.62	935.88	537.086	ES
EXIST HZ PROSPER FARMS 4-65 11-12 3CH - OWB - F	18,120.90	17,906.00	2,253.70	1,697.55	4.052	SF
EXIST HZ PROSPER FARMS 4-65 11-12 3DH - OWB - F	134.28	118.71	941.95	941.35	1,588.255	CC
EXIST HZ PROSPER FARMS 4-65 11-12 3DH - OWB - F	300.00	280.34	942.50	940.73	532.355	ES
EXIST HZ PROSPER FARMS 4-65 11-12 3DH - OWB - F	18,120.90	17,988.34	2,581.64	2,027.55	4.659	SF
EXIST HZ SKY RANCH 4-65 9-10 1H - OWB - FINAL SU	7,571.21	7,308.82	598.33	545.69	11.366	CC, ES
EXIST HZ SKY RANCH 4-65 9-10 1H - OWB - FINAL SU	7,700.00	7,372.91	611.76	557.00	11.173	SF
PROSPER FARMS 4-65 11-12 2AH - OWB - PROPOSA	100.00	100.00	39.71	39.44	147.687	CC
PROSPER FARMS 4-65 11-12 2AH - OWB - PROPOSA	18,120.90	18,027.07	519.76	-46.65	0.918	Level 1, ES, SF
PROSPER FARMS 4-65 11-12 2BH - OWB - PROPOSA	100.00	100.00	59.74	59.47	222.212	CC, ES
PROSPER FARMS 4-65 11-12 2BH - OWB - PROPOSA	18,120.90	17,958.35	1,039.53	473.20	1.836	SF
PROSPER FARMS 4-65 11-12 4AH - OWB - PROPOSA	100.00	101.00	119.85	119.58	439.914	CC, ES
PROSPER FARMS 4-65 11-12 4AH - OWB - PROPOSA	18,120.90	18,017.43	3,111.26	2,545.01	5.495	SF
PROSPER FARMS 4-65 11-12 4BH - OWB - PROPOSA	100.00	98.00	139.89	139.62	525.561	CC, ES
PROSPER FARMS 4-65 11-12 4BH - OWB - PROPOSA	18,120.90	18,133.56	3,711.14	3,144.76	6.552	SF

Offset Design	SEC 10-T4S-R65W - EXIST HZ PROSPER FARMS 4-65 11-12 1H - OWB - FINAL SURVEY										Offset Site Error:	0.00 usft
Survey Program:	2195-MWD OWSG										Offset Well Error:	0.00 usft
Reference	Offset	Semi Major Axis		Distance		Minimum Separation		Warning				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	20.09	2,216.95	810.96	2,360.82			
100.00	100.00	68.74	68.74	0.13	0.12	20.09	2,216.95	810.96	2,360.62	2,360.37	0.26	9,209.448
200.00	199.98	168.34	168.34	0.49	0.30	12.52	2,216.96	810.99	2,358.94	2,358.14	0.79	2,969.452

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 11-12 1BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 1BH	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 10-T4S-R65W - EXIST HZ PROSPER FARMS 4-65 11-12 1H - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 2195-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
300.00	299.84	267.82	267.82	0.86	0.47	12.57	2,216.98	811.04	2,353.87	2,352.53	1.34	1,757.525		
400.00	399.45	367.07	367.07	1.23	0.65	12.65	2,217.01	811.11	2,345.41	2,343.52	1.88	1,244.250		
500.00	498.70	465.95	465.95	1.63	0.83	12.77	2,217.05	811.21	2,333.58	2,331.15	2.43	959.290		
600.00	597.47	564.35	564.35	2.04	1.00	12.93	2,217.09	811.32	2,318.41	2,315.42	2.98	777.212		
700.00	695.62	662.16	662.16	2.49	1.17	13.12	2,217.14	811.46	2,299.90	2,296.36	3.54	650.277		
800.00	793.09	759.29	759.29	2.97	1.35	13.32	2,217.20	811.62	2,278.24	2,274.14	4.10	556.040		
900.00	890.37	856.24	856.23	3.46	1.52	13.46	2,217.27	811.80	2,255.80	2,251.16	4.64	485.682		
1,000.00	987.65	953.19	953.19	3.96	1.69	13.60	2,217.35	812.00	2,233.39	2,228.20	5.20	429.816		
1,100.00	1,084.94	1,050.14	1,050.14	4.47	1.86	13.75	2,217.43	812.23	2,211.02	2,205.26	5.75	384.469		
1,200.00	1,182.22	1,147.10	1,147.10	4.98	2.03	13.90	2,217.52	812.47	2,188.67	2,182.36	6.31	346.972		
1,300.00	1,279.50	1,244.07	1,244.07	5.49	2.21	14.05	2,217.62	812.74	2,166.35	2,159.48	6.87	315.476		
1,400.00	1,376.78	1,341.04	1,341.04	6.00	2.38	14.21	2,217.73	813.03	2,144.06	2,136.63	7.43	288.664		
1,500.00	1,474.06	1,438.02	1,438.01	6.51	2.55	14.36	2,217.85	813.34	2,121.80	2,113.81	7.99	265.573		
1,600.00	1,571.34	1,535.00	1,534.99	7.02	2.72	14.53	2,217.97	813.68	2,099.57	2,091.02	8.55	245.486		
1,700.00	1,668.62	1,631.98	1,631.98	7.54	2.89	14.70	2,218.10	814.03	2,077.38	2,068.26	9.12	227.856		
1,800.00	1,765.90	1,728.98	1,728.97	8.05	3.07	14.87	2,218.24	814.41	2,055.22	2,045.54	9.68	212.262		
1,900.00	1,863.18	1,825.97	1,825.97	8.57	3.24	15.04	2,218.39	814.80	2,033.09	2,022.85	10.25	198.373		
2,000.00	1,960.46	1,922.97	1,922.97	9.09	3.41	15.22	2,218.55	815.22	2,011.00	2,000.19	10.82	185.926		
2,100.00	2,057.74	2,019.98	2,019.97	9.60	3.58	15.41	2,218.72	815.67	1,988.95	1,977.56	11.38	174.708		
2,200.00	2,155.03	2,116.99	2,116.98	10.12	3.75	15.60	2,218.89	816.13	1,966.93	1,954.97	11.95	164.548		
2,300.00	2,252.31	2,214.01	2,214.00	10.64	3.93	15.79	2,219.07	816.61	1,944.94	1,932.42	12.52	155.302		
2,400.00	2,349.59	2,295.94	2,295.93	11.15	4.25	15.95	2,219.70	816.96	1,923.46	1,910.20	13.26	145.078		
2,500.00	2,446.87	2,398.80	2,398.78	11.67	4.61	16.15	2,220.81	817.30	1,902.25	1,888.23	14.02	135.710		
2,600.00	2,544.15	2,486.44	2,486.41	12.19	4.92	16.30	2,221.96	817.11	1,881.07	1,866.34	14.73	127.706		
2,700.00	2,641.43	2,577.83	2,577.77	12.71	5.23	16.43	2,224.02	816.08	1,860.38	1,844.93	15.45	120.418		
2,800.00	2,738.71	2,667.68	2,667.58	13.23	5.55	16.55	2,226.51	814.79	1,840.03	1,823.87	16.17	113.816		
2,900.00	2,835.99	2,802.71	2,802.56	13.74	6.01	16.74	2,229.21	812.75	1,819.01	1,802.02	17.00	107.018		
3,000.00	2,933.27	2,904.79	2,904.62	14.26	6.36	16.90	2,230.04	810.96	1,796.82	1,779.08	17.74	101.286		
3,100.00	3,030.55	3,006.50	3,006.31	14.78	6.70	17.07	2,230.53	809.07	1,774.31	1,755.82	18.48	95.998		
3,200.00	3,127.83	3,101.40	3,101.20	15.30	7.03	17.22	2,230.97	807.35	1,751.81	1,732.60	19.21	91.183		
3,300.00	3,225.12	3,197.19	3,196.97	15.82	7.36	17.39	2,231.55	805.65	1,729.47	1,709.52	19.95	86.706		
3,400.00	3,322.40	3,292.73	3,292.49	16.34	7.69	17.57	2,232.00	804.30	1,707.16	1,686.48	20.68	82.539		
3,500.00	3,419.68	3,387.06	3,386.81	16.85	8.01	17.75	2,232.65	803.05	1,685.11	1,663.69	21.42	78.669		
3,600.00	3,516.96	3,486.62	3,486.36	17.37	8.36	17.95	2,233.29	801.82	1,663.06	1,640.89	22.17	75.013		
3,700.00	3,614.24	3,580.36	3,580.10	17.89	8.69	18.16	2,233.56	801.17	1,640.96	1,618.05	22.91	71.622		
3,800.00	3,711.52	3,668.82	3,668.57	18.41	9.00	18.38	2,234.11	801.07	1,619.40	1,595.75	23.65	68.481		
3,900.00	3,808.80	3,761.72	3,761.46	18.93	9.33	18.62	2,234.95	801.26	1,598.26	1,573.86	24.40	65.510		
4,000.00	3,906.08	3,855.34	3,855.07	19.45	9.66	18.88	2,235.92	801.67	1,577.36	1,552.21	25.15	62.718		
4,100.00	4,003.36	3,959.21	3,958.94	19.97	10.03	19.18	2,237.07	802.40	1,556.70	1,530.78	25.92	60.050		
4,200.00	4,100.64	4,072.48	4,072.21	20.49	10.42	19.53	2,236.96	803.12	1,534.95	1,508.24	26.71	57.473		
4,300.00	4,197.92	4,168.36	4,168.08	21.00	10.75	19.85	2,236.49	803.61	1,512.88	1,485.42	27.46	55.097		
4,400.00	4,295.20	4,264.02	4,263.74	21.52	11.08	20.16	2,236.24	804.12	1,491.06	1,462.85	28.21	52.849		
4,500.00	4,392.49	4,357.10	4,356.81	22.04	11.41	20.49	2,236.05	804.76	1,469.40	1,440.43	28.97	50.722		
4,600.00	4,489.77	4,461.54	4,461.25	22.56	11.77	20.86	2,235.87	805.59	1,447.88	1,418.14	29.75	48.676		
4,700.00	4,587.05	4,567.18	4,566.88	23.08	12.14	21.28	2,234.79	806.49	1,425.70	1,395.18	30.52	46.713		
4,800.00	4,684.33	4,678.08	4,677.76	23.60	12.52	21.75	2,232.66	807.55	1,402.87	1,371.57	31.30	44.818		
4,900.00	4,781.61	4,768.30	4,767.96	24.12	12.83	22.14	2,230.84	808.16	1,379.89	1,347.83	32.06	43.037		
5,000.00	4,878.89	4,876.34	4,875.98	24.64	13.20	22.57	2,229.08	807.63	1,356.76	1,323.92	32.84	41.318		
5,100.00	4,976.17	4,972.59	4,972.21	25.16	13.53	22.92	2,227.67	806.29	1,333.40	1,299.80	33.60	39.684		
5,200.00	5,073.45	5,068.74	5,068.34	25.68	13.85	23.29	2,226.12	804.79	1,309.88	1,275.52	34.37	38.114		
5,300.00	5,170.73	5,146.99	5,146.58	26.19	14.12	23.62	2,225.29	804.31	1,287.33	1,252.20	35.13	36.645		
5,400.00	5,268.01	5,250.16	5,249.74	26.71	14.48	24.08	2,224.45	804.21	1,265.33	1,229.41	35.91	35.231		

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 11-12 1BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 1BH	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 10-T4S-R65W - EXIST HZ PROSPER FARMS 4-65 11-12 1H - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 2195-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,500.00	5,365.29	5,352.67	5,352.24	27.23	14.83	24.54	2,223.17	803.50	1,242.71	1,206.01	36.70	33.862		
5,600.00	5,462.58	5,432.88	5,432.45	27.75	15.11	24.90	2,222.73	803.10	1,220.85	1,183.37	37.48	32.575		
5,700.00	5,559.86	5,528.40	5,527.97	28.27	15.44	25.35	2,222.82	802.97	1,199.79	1,161.52	38.27	31.350		
5,800.00	5,657.14	5,628.08	5,627.65	28.79	15.79	25.82	2,222.99	802.64	1,178.75	1,139.69	39.07	30.171		
5,900.00	5,754.42	5,725.09	5,724.66	29.31	16.13	26.28	2,223.31	801.98	1,157.75	1,117.88	39.87	29.040		
6,000.00	5,851.70	5,825.01	5,824.57	29.83	16.48	26.76	2,223.63	801.01	1,136.65	1,095.98	40.67	27.948		
6,100.00	5,948.98	5,915.91	5,915.46	30.35	16.79	27.20	2,224.06	800.03	1,115.70	1,074.22	41.47	26.901		
6,200.00	6,046.26	5,991.44	5,990.98	30.87	17.06	27.60	2,225.11	800.13	1,096.22	1,053.94	42.28	25.928		
6,300.00	6,143.54	6,086.41	6,085.93	31.39	17.39	28.14	2,227.12	801.21	1,077.97	1,034.87	43.10	25.010		
6,400.00	6,240.82	6,180.00	6,179.48	31.91	17.72	28.69	2,229.23	802.54	1,060.11	1,016.18	43.93	24.131		
6,500.00	6,338.10	6,280.98	6,280.43	32.42	18.08	29.34	2,231.30	804.40	1,042.43	997.66	44.77	23.282		
6,600.00	6,435.38	6,399.73	6,399.15	32.94	18.49	30.19	2,231.85	806.67	1,023.69	978.06	45.64	22.432		
6,700.00	6,532.66	6,509.05	6,508.45	33.46	18.87	31.04	2,230.47	807.99	1,003.33	956.84	46.49	21.581		
6,800.00	6,629.95	6,604.36	6,603.74	33.98	19.20	31.81	2,228.97	808.83	982.75	935.39	47.36	20.752		
6,900.00	6,727.23	6,697.75	6,697.12	34.50	19.53	32.60	2,227.85	809.88	962.78	914.55	48.23	19.961		
7,000.00	6,824.51	6,800.47	6,799.84	35.02	19.89	33.47	2,226.85	810.75	943.01	893.89	49.11	19.201		
7,100.00	6,921.79	6,902.95	6,902.30	35.54	20.24	34.28	2,226.25	809.70	922.51	872.53	49.98	18.457		
7,200.00	7,019.07	6,998.72	6,998.06	36.06	20.57	35.04	2,225.92	808.32	902.09	851.23	50.86	17.736		
7,300.00	7,116.35	7,094.62	7,093.96	36.58	20.90	35.84	2,225.58	807.24	882.04	830.28	51.76	17.042		
7,400.00	7,213.50	7,168.63	7,167.97	37.10	21.16	36.64	2,225.41	807.16	861.49	808.83	52.65	16.362		
7,500.00	7,308.63	7,223.00	7,222.18	37.62	21.35	-10.30	2,225.10	811.06	835.29	781.96	53.33	15.663		
7,600.00	7,398.87	7,270.23	7,268.82	38.14	21.52	-24.58	2,224.59	818.43	803.44	749.77	53.67	14.969		
7,700.00	7,481.47	7,325.02	7,322.21	38.64	21.71	-34.44	2,224.01	830.68	766.35	712.58	53.78	14.251		
7,800.00	7,553.92	7,375.01	7,370.14	39.13	21.88	-42.85	2,224.05	844.82	725.18	671.57	53.61	13.527		
7,900.00	7,614.02	7,427.57	7,419.30	39.62	22.07	-51.08	2,224.05	863.40	681.52	628.14	53.38	12.767		
8,000.00	7,659.94	7,481.27	7,467.90	40.13	22.27	-59.54	2,223.64	886.21	637.21	583.91	53.30	11.956		
8,100.00	7,690.28	7,526.12	7,507.05	40.68	22.44	-67.54	2,223.22	908.05	595.26	541.74	53.52	11.122		
8,200.00	7,704.13	7,562.81	7,537.83	41.29	22.59	-74.33	2,223.57	928.02	560.45	505.97	54.47	10.288		
8,300.00	7,705.00	7,601.72	7,569.07	41.99	22.75	-78.57	2,224.91	951.15	537.11	480.68	56.44	9.517		
8,400.00	7,705.00	7,670.39	7,620.06	42.83	23.08	-84.10	2,227.13	997.03	525.80	466.89	58.91	8.925		
8,500.00	7,705.00	7,765.76	7,681.38	43.83	23.64	-90.81	2,225.72	1,069.93	521.45	460.46	60.99	8.549		
8,524.03	7,705.00	7,783.90	7,691.69	44.10	23.76	-91.95	2,225.15	1,084.84	521.25	459.68	61.56	8.467 CC		
8,600.00	7,705.00	7,839.74	7,720.50	44.99	24.18	-95.10	2,224.10	1,132.64	523.35	459.98	63.37	8.258		
8,700.00	7,705.00	7,943.07	7,761.01	46.30	25.12	-99.47	2,224.19	1,227.53	530.11	464.87	65.23	8.126		
8,800.00	7,705.00	8,064.74	7,788.13	47.76	26.52	-102.34	2,222.57	1,345.99	534.33	467.15	67.18	7.954		
8,900.00	7,705.00	8,172.71	7,797.18	49.34	28.00	-103.27	2,221.72	1,453.51	536.73	466.70	70.03	7.665		
9,000.00	7,705.00	8,286.87	7,795.26	51.04	29.76	-103.07	2,220.07	1,567.62	536.14	462.73	73.40	7.304		
9,100.00	7,705.00	8,385.87	7,793.26	52.84	31.45	-102.88	2,218.04	1,666.58	534.96	457.77	77.19	6.930		
9,170.72	7,705.00	8,450.78	7,792.74	54.18	32.65	-102.83	2,216.97	1,731.48	534.60	454.58	80.03	6.680		
9,200.00	7,705.00	8,478.43	7,792.58	54.74	33.16	-102.81	2,216.71	1,759.13	534.66	453.47	81.19	6.585		
9,300.00	7,705.00	8,581.06	7,791.53	56.71	35.16	-102.70	2,215.54	1,861.74	534.60	449.34	85.27	6.270		
9,316.77	7,705.00	8,596.82	7,791.39	57.05	35.48	-102.68	2,215.35	1,877.51	534.59	448.61	85.98	6.218		
9,400.00	7,705.00	8,676.52	7,791.59	58.75	37.11	-102.70	2,214.62	1,957.21	534.95	445.46	89.49	5.978		
9,500.00	7,705.00	8,779.48	7,792.39	60.84	39.29	-102.78	2,213.49	2,060.15	535.33	441.59	93.74	5.711		
9,600.00	7,705.00	8,881.61	7,793.08	63.00	41.52	-102.86	2,211.87	2,162.27	535.22	437.13	98.09	5.456		
9,700.00	7,705.00	8,983.30	7,793.82	65.19	43.81	-102.95	2,209.93	2,263.94	534.79	432.27	102.52	5.217		
9,800.00	7,705.00	9,086.72	7,794.55	67.43	46.18	-103.05	2,207.49	2,367.33	533.93	426.93	107.00	4.990		
9,900.00	7,705.00	9,184.00	7,795.02	69.71	48.46	-103.13	2,204.80	2,464.56	532.63	421.02	111.61	4.772		
9,945.16	7,705.00	9,225.26	7,795.39	70.75	49.43	-103.18	2,204.01	2,505.81	532.46	418.74	113.72	4.682		
10,000.00	7,705.00	9,276.49	7,795.89	72.01	50.65	-103.23	2,203.40	2,557.04	532.65	416.36	116.29	4.580		
10,100.00	7,705.00	9,375.60	7,796.56	74.35	53.03	-103.28	2,202.99	2,656.15	533.67	412.68	120.99	4.411		
10,200.00	7,705.00	9,478.10	7,796.80	76.71	55.51	-103.29	2,202.16	2,758.64	534.21	408.47	125.74	4.249		

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 11-12 1BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 1BH	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 10-T4S-R65W - EXIST HZ PROSPER FARMS 4-65 11-12 1H - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 2195-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,300.00	7,705.00	9,581.14	7,795.77	79.10	58.04	-103.17	2,201.20	2,861.68	534.36	403.77	130.59	4.092		
10,400.00	7,705.00	9,683.95	7,794.38	81.50	60.58	-103.03	2,199.67	2,964.46	533.88	398.39	135.49	3.940		
10,500.00	7,705.00	9,782.42	7,792.87	83.93	63.03	-102.88	2,198.09	3,062.90	533.25	392.78	140.47	3.796		
10,600.00	7,705.00	9,888.66	7,791.40	86.37	65.69	-102.74	2,196.04	3,169.12	532.34	386.94	145.40	3.661		
10,700.00	7,705.00	9,979.92	7,790.38	88.83	68.00	-102.65	2,194.34	3,260.36	531.56	381.09	150.47	3.533		
10,747.82	7,705.00	10,029.18	7,790.21	90.01	69.24	-102.63	2,193.71	3,309.61	531.54	378.70	152.84	3.478		
10,800.00	7,705.00	10,083.77	7,789.70	91.30	70.63	-102.58	2,192.87	3,364.19	531.31	375.87	155.44	3.418		
10,900.00	7,705.00	10,188.85	7,787.60	93.78	73.31	-102.38	2,190.44	3,469.21	529.90	369.40	160.50	3.302		
11,000.00	7,705.00	10,280.27	7,786.63	96.28	75.64	-102.29	2,188.84	3,560.62	529.22	363.59	165.64	3.195		
11,100.00	7,705.00	10,381.96	7,786.29	98.79	78.25	-102.26	2,187.24	3,662.29	528.89	358.23	170.66	3.099		
11,129.58	7,705.00	10,409.78	7,786.28	99.53	78.97	-102.26	2,186.83	3,690.11	528.84	356.68	172.16	3.072		
11,200.00	7,705.00	10,477.68	7,786.59	101.31	80.72	-102.29	2,186.11	3,758.00	529.09	353.38	175.70	3.011		
11,300.00	7,705.00	10,580.11	7,787.02	103.84	83.36	-102.33	2,184.98	3,860.42	529.37	348.66	180.71	2.929		
11,400.00	7,705.00	10,683.28	7,787.31	106.37	86.03	-102.37	2,183.22	3,963.59	529.05	343.33	185.72	2.849		
11,490.86	7,705.00	10,771.07	7,787.16	108.68	88.31	-102.36	2,181.58	4,051.35	528.53	338.18	190.35	2.777		
11,500.00	7,705.00	10,779.11	7,787.15	108.92	88.52	-102.36	2,181.48	4,059.40	528.54	337.72	190.82	2.770		
11,600.00	7,705.00	10,873.41	7,787.22	111.47	90.97	-102.34	2,181.33	4,153.69	529.65	333.72	195.94	2.703		
11,700.00	7,705.00	10,976.49	7,786.98	114.03	93.65	-102.29	2,181.00	4,256.77	530.57	329.51	201.06	2.639		
11,800.00	7,705.00	11,077.77	7,786.54	116.59	96.30	-102.23	2,180.37	4,358.05	531.15	324.95	206.20	2.576		
11,900.00	7,705.00	11,180.64	7,785.58	119.16	98.99	-102.12	2,179.49	4,460.92	531.40	320.01	211.39	2.514		
11,954.50	7,705.00	11,234.73	7,785.21	120.57	100.40	-102.08	2,178.76	4,515.00	531.31	317.09	214.21	2.480		
12,000.00	7,705.00	11,277.24	7,785.00	121.74	101.52	-102.06	2,178.38	4,557.51	531.44	314.86	216.58	2.454		
12,100.00	7,705.00	11,378.80	7,784.59	124.32	104.18	-102.00	2,177.80	4,659.07	532.09	310.33	221.75	2.399		
12,200.00	7,705.00	11,485.87	7,783.48	126.91	106.99	-101.88	2,176.24	4,766.11	531.73	304.79	226.93	2.343		
12,300.00	7,705.00	11,581.47	7,782.07	129.50	109.51	-101.74	2,174.56	4,861.68	530.99	298.75	232.24	2.286		
12,312.68	7,705.00	11,593.44	7,781.96	129.83	109.83	-101.73	2,174.40	4,873.66	530.97	298.06	232.91	2.280		
12,400.00	7,705.00	11,664.59	7,781.83	132.10	111.70	-101.69	2,174.57	4,944.81	532.25	294.81	237.44	2.242		
12,500.00	7,705.00	11,764.05	7,782.25	134.70	114.31	-101.67	2,176.62	5,044.24	535.63	293.02	242.62	2.208		
12,600.00	7,705.00	11,869.52	7,782.10	137.30	117.09	-101.59	2,177.99	5,149.70	538.17	290.30	247.87	2.171		
12,700.00	7,705.00	11,971.69	7,782.33	139.91	119.78	-101.57	2,178.49	5,251.87	539.97	286.91	253.06	2.134		
12,800.00	7,705.00	12,071.98	7,782.24	142.52	122.43	-101.53	2,178.82	5,352.16	541.56	283.29	258.27	2.097		
12,900.00	7,705.00	12,173.76	7,781.93	145.13	125.12	-101.46	2,179.06	5,453.94	543.02	279.50	263.52	2.061		
13,000.00	7,705.00	12,279.93	7,781.58	147.75	127.93	-101.41	2,178.41	5,560.10	543.63	274.90	268.74	2.023		
13,100.00	7,705.00	12,382.98	7,779.96	150.37	130.67	-101.24	2,177.10	5,663.13	543.36	269.29	274.07	1.983		
13,200.00	7,705.00	12,488.30	7,777.82	152.99	133.46	-101.03	2,175.36	5,768.42	542.65	263.22	279.42	1.942		
13,300.00	7,705.00	12,592.26	7,774.68	155.62	136.22	-100.74	2,172.39	5,872.28	540.55	255.69	284.86	1.898		
13,400.00	7,705.00	12,690.02	7,772.38	158.24	138.82	-100.53	2,169.56	5,969.98	538.55	248.24	290.31	1.855		
13,500.00	7,705.00	12,788.58	7,770.35	160.87	141.44	-100.34	2,167.05	6,068.48	536.97	241.24	295.73	1.816		
13,600.00	7,705.00	12,886.54	7,768.04	163.50	144.04	-100.11	2,164.86	6,166.39	535.63	234.43	301.20	1.778		
13,700.00	7,705.00	12,983.61	7,765.77	166.14	146.62	-99.88	2,163.16	6,263.42	534.79	228.11	306.69	1.744		
13,800.00	7,705.00	13,092.24	7,762.31	168.78	149.51	-99.53	2,161.09	6,371.97	533.69	221.55	312.14	1.710		
13,900.00	7,705.00	13,188.68	7,758.33	171.41	152.08	-99.13	2,158.57	6,468.30	531.74	213.93	317.82	1.673		
14,000.00	7,705.00	13,293.40	7,755.10	174.05	154.87	-98.81	2,155.75	6,572.92	529.90	206.62	323.28	1.639		
14,100.00	7,705.00	13,389.22	7,753.13	176.69	157.42	-98.62	2,152.90	6,668.68	527.94	199.16	328.78	1.606		
14,183.54	7,705.00	13,464.43	7,752.45	178.90	159.43	-98.56	2,151.43	6,743.87	527.29	193.97	333.33	1.582		
14,200.00	7,705.00	13,479.28	7,752.36	179.34	159.83	-98.55	2,151.27	6,758.73	527.32	193.11	334.21	1.578		
14,300.00	7,705.00	13,571.10	7,752.14	181.98	162.27	-98.51	2,151.10	6,850.54	528.40	188.89	339.51	1.556		
14,400.00	7,705.00	13,681.71	7,751.42	184.63	165.22	-98.41	2,150.79	6,961.15	529.33	184.47	344.86	1.535		
14,403.88	7,705.00	13,686.03	7,751.35	184.73	165.34	-98.40	2,150.73	6,965.46	529.32	184.25	345.07	1.534		
14,500.00	7,705.00	13,782.78	7,750.49	187.28	167.92	-98.31	2,149.63	7,062.20	529.36	179.14	350.22	1.512		
14,600.00	7,705.00	13,895.45	7,750.20	189.93	170.93	-98.30	2,146.41	7,174.82	527.78	172.48	355.31	1.485 Level 3		
14,700.00	7,705.00	13,995.93	7,749.65	192.58	173.61	-98.30	2,141.75	7,275.20	524.42	163.84	360.58	1.454 Level 3		

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 11-12 1BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 1BH	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 10-T4S-R65W - EXIST HZ PROSPER FARMS 4-65 11-12 1H - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 2195-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,800.00	7,705.00	14,085.13	7,750.11	195.23	176.00	-98.37	2,138.94	7,364.34	522.66	156.68	365.99	1.428	Level 3	
14,845.58	7,705.00	14,126.58	7,750.28	196.44	177.11	-98.39	2,138.21	7,405.79	522.48	154.07	368.41	1.418	Level 3	
14,900.00	7,705.00	14,178.39	7,750.35	197.88	178.49	-98.40	2,137.69	7,457.60	522.66	151.37	371.29	1.408	Level 3	
15,000.00	7,705.00	14,276.49	7,750.55	200.53	181.11	-98.41	2,137.09	7,555.69	523.38	146.81	376.56	1.390	Level 3	
15,100.00	7,705.00	14,376.74	7,750.96	203.19	183.79	-98.44	2,136.63	7,655.94	524.28	142.46	381.82	1.373	Level 3	
15,200.00	7,705.00	14,479.10	7,751.40	205.85	186.53	-98.48	2,135.86	7,758.30	524.90	137.84	387.06	1.356	Level 3	
15,300.00	7,705.00	14,585.37	7,750.60	208.50	189.37	-98.39	2,134.43	7,864.55	524.76	132.37	392.39	1.337	Level 3	
15,366.45	7,705.00	14,651.80	7,749.24	210.27	191.15	-98.25	2,133.21	7,930.96	524.21	128.17	396.05	1.324	Level 3, ES	
15,400.00	7,705.00	14,645.00	7,749.38	211.16	190.96	-98.27	2,133.33	7,924.16	525.49	128.35	397.13	1.323	Level 3, SF	
15,500.00	7,705.00	14,645.00	7,749.38	213.82	190.96	-98.27	2,133.33	7,924.16	541.61	150.33	391.29	1.384	Level 3	
15,600.00	7,705.00	14,645.00	7,749.38	216.48	190.96	-98.27	2,133.33	7,924.16	574.93	200.37	374.56	1.535		
15,700.00	7,705.00	14,645.00	7,749.38	219.14	190.96	-98.27	2,133.33	7,924.16	622.70	271.08	351.62	1.771		
15,800.00	7,705.00	14,645.00	7,749.38	221.80	190.96	-98.27	2,133.33	7,924.16	681.88	355.25	326.63	2.088		
15,900.00	7,705.00	14,645.00	7,749.38	224.47	190.96	-98.27	2,133.33	7,924.16	749.78	447.48	302.30	2.480		
16,000.00	7,705.00	14,645.00	7,749.38	227.13	190.96	-98.27	2,133.33	7,924.16	824.24	544.29	279.96	2.944		
16,100.00	7,705.00	14,645.00	7,749.38	229.79	190.96	-98.27	2,133.33	7,924.16	903.65	643.60	260.05	3.475		
16,200.00	7,705.00	14,645.00	7,749.38	232.46	190.96	-98.27	2,133.33	7,924.16	986.81	744.24	242.57	4.068		
16,300.00	7,705.00	14,645.00	7,749.38	235.13	190.96	-98.27	2,133.33	7,924.16	1,072.85	845.52	227.33	4.719		
16,400.00	7,705.00	14,645.00	7,749.38	237.79	190.96	-98.27	2,133.33	7,924.16	1,161.12	947.08	214.04	5.425		
16,500.00	7,705.00	14,645.00	7,749.38	240.46	190.96	-98.27	2,133.33	7,924.16	1,251.16	1,048.71	202.45	6.180		
16,600.00	7,705.00	14,645.00	7,749.38	243.13	190.96	-98.27	2,133.33	7,924.16	1,342.62	1,150.32	192.30	6.982		
16,700.00	7,705.00	14,645.00	7,749.38	245.80	190.96	-98.27	2,133.33	7,924.16	1,435.21	1,251.83	183.38	7.827		
16,800.00	7,705.00	14,645.00	7,749.38	248.46	190.96	-98.27	2,133.33	7,924.16	1,528.73	1,353.24	175.50	8.711		
16,900.00	7,705.00	14,645.00	7,749.38	251.13	190.96	-98.27	2,133.33	7,924.16	1,623.03	1,454.52	168.51	9.631		
17,000.00	7,705.00	14,645.00	7,749.38	253.80	190.96	-98.27	2,133.33	7,924.16	1,717.98	1,555.68	162.29	10.586		
17,100.00	7,705.00	14,645.00	7,749.38	256.47	190.96	-98.27	2,133.33	7,924.16	1,813.46	1,656.73	156.73	11.570		
17,200.00	7,705.00	14,645.00	7,749.38	259.15	190.96	-98.27	2,133.33	7,924.16	1,909.41	1,757.67	151.74	12.584		
17,300.00	7,705.00	14,645.00	7,749.38	261.82	190.96	-98.27	2,133.33	7,924.16	2,005.76	1,858.52	147.24	13.623		
17,400.00	7,705.00	14,645.00	7,749.38	264.49	190.96	-98.27	2,133.33	7,924.16	2,102.44	1,959.28	143.17	14.685		
17,500.00	7,705.00	14,645.00	7,749.38	267.16	190.96	-98.27	2,133.33	7,924.16	2,199.43	2,059.95	139.48	15.769		
17,600.00	7,705.00	14,645.00	7,749.38	269.84	190.96	-98.27	2,133.33	7,924.16	2,296.67	2,160.55	136.11	16.873		
17,700.00	7,705.00	14,645.00	7,749.38	272.51	190.96	-98.27	2,133.33	7,924.16	2,394.14	2,261.09	133.04	17.995		
17,800.00	7,705.00	14,645.00	7,749.38	275.18	190.96	-98.27	2,133.33	7,924.16	2,491.81	2,361.57	130.23	19.133		
17,900.00	7,705.00	14,645.00	7,749.38	277.86	190.96	-98.27	2,133.33	7,924.16	2,589.65	2,462.00	127.66	20.286		
18,000.00	7,705.00	14,645.00	7,749.38	280.53	190.96	-98.27	2,133.33	7,924.16	2,687.66	2,562.38	125.28	21.453		
18,100.00	7,705.00	14,645.00	7,749.38	283.21	190.96	-98.27	2,133.33	7,924.16	2,785.81	2,662.71	123.09	22.631		
18,120.90	7,705.00	14,645.00	7,749.38	283.77	190.96	-98.27	2,133.33	7,924.16	2,806.33	2,683.67	122.66	22.879		

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 11-12 1BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 1BH	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 10-T4S-R65W - EXIST HZ PROSPER FARMS 4-65 11-12 3AH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	92.49	-40.42	929.74	930.76					
100.00	100.00	86.21	86.21	0.13	0.22	92.49	-40.41	929.63	930.52	930.16	0.35	2,642.965		
200.00	199.98	184.65	184.65	0.49	0.57	85.00	-40.32	929.46	930.18	929.12	1.06	876.521		
300.00	299.84	282.98	282.98	0.86	0.92	85.28	-39.61	929.57	929.81	928.04	1.77	524.764		
400.00	399.45	383.00	382.99	1.23	1.27	85.78	-38.72	929.63	929.14	926.64	2.50	371.486		
500.00	498.70	481.08	481.07	1.63	1.62	86.48	-37.99	929.82	928.46	925.21	3.24	286.304		
600.00	597.47	579.18	579.17	2.04	1.97	87.40	-37.31	930.06	927.81	923.80	4.01	231.435		
700.00	695.62	677.86	677.84	2.49	2.32	88.53	-36.65	930.38	927.38	922.57	4.81	192.935		
777.49	771.26	753.51	753.49	2.86	2.59	89.52	-36.21	930.56	927.22	921.77	5.45	170.265 CC		
800.00	793.09	775.11	775.09	2.97	2.66	89.84	-36.12	930.61	927.23	921.60	5.63	164.695		
900.00	890.37	871.50	871.48	3.46	3.00	91.21	-35.95	930.89	927.72	921.26	6.46	143.581 ES		
1,000.00	987.65	969.56	969.55	3.96	3.34	92.61	-36.06	931.16	928.81	921.51	7.30	127.283		
1,100.00	1,084.94	1,067.13	1,067.12	4.47	3.67	94.01	-36.25	931.33	930.39	922.26	8.13	114.406		
1,200.00	1,182.22	1,164.59	1,164.57	4.98	4.00	95.41	-36.51	931.46	932.54	923.57	8.97	103.969		
1,300.00	1,279.50	1,263.10	1,263.08	5.49	4.34	96.81	-36.72	931.51	935.19	925.38	9.81	95.315		
1,400.00	1,376.78	1,360.18	1,360.16	6.00	4.67	98.20	-37.06	931.48	938.35	927.70	10.65	88.117		
1,500.00	1,474.06	1,456.63	1,456.61	6.51	5.01	99.57	-37.47	931.47	942.14	930.65	11.48	82.036		
1,600.00	1,571.34	1,553.40	1,553.37	7.02	5.34	100.93	-37.92	931.51	946.56	934.24	12.32	76.825		
1,700.00	1,668.62	1,649.69	1,649.67	7.54	5.68	102.27	-38.29	931.61	951.58	938.42	13.15	72.336		
1,800.00	1,765.90	1,744.88	1,744.86	8.05	6.01	103.58	-38.68	931.93	957.37	943.39	13.98	68.464		
1,900.00	1,863.18	1,843.15	1,843.13	8.57	6.36	104.90	-38.95	932.32	963.70	948.88	14.82	65.019		
2,000.00	1,960.46	1,940.91	1,940.88	9.09	6.71	106.20	-39.20	932.63	970.46	954.81	15.65	61.991		
2,100.00	2,057.74	2,038.02	2,037.99	9.60	7.05	107.48	-39.44	932.91	977.72	961.24	16.48	59.321		
2,200.00	2,155.03	2,134.82	2,134.79	10.12	7.39	108.73	-39.71	933.21	985.51	968.21	17.30	56.952		
2,300.00	2,252.31	2,232.49	2,232.46	10.64	7.74	109.98	-40.03	933.55	993.85	975.72	18.13	54.830		
2,400.00	2,349.59	2,331.89	2,331.86	11.15	8.09	111.22	-40.11	933.77	1,002.43	983.48	18.95	52.897		
2,500.00	2,446.87	2,431.06	2,431.03	11.67	8.44	112.43	-40.04	933.91	1,011.34	991.57	19.77	51.163		
2,600.00	2,544.15	2,526.06	2,526.04	12.19	8.77	113.57	-39.91	934.06	1,020.67	1,000.11	20.56	49.639		
2,700.00	2,641.43	2,626.21	2,626.18	12.71	9.12	114.74	-39.82	934.24	1,030.47	1,009.10	21.37	48.215		
2,800.00	2,738.71	2,723.98	2,723.95	13.23	9.46	115.88	-39.75	934.17	1,040.49	1,018.33	22.16	46.948		
2,900.00	2,835.99	2,818.84	2,818.81	13.74	9.79	116.97	-39.86	934.08	1,051.02	1,028.08	22.94	45.819		
3,000.00	2,933.27	2,914.77	2,914.74	14.26	10.13	118.05	-40.00	934.19	1,062.14	1,038.42	23.72	44.777		
3,100.00	3,030.55	3,016.90	3,016.87	14.78	10.48	119.17	-40.04	934.18	1,073.48	1,048.96	24.52	43.780		
3,200.00	3,127.83	3,109.67	3,109.64	15.30	10.81	120.18	-40.11	934.18	1,085.23	1,059.96	25.28	42.936		
3,300.00	3,225.12	3,210.64	3,210.61	15.82	11.16	121.24	-40.11	934.19	1,097.30	1,071.24	26.06	42.103		
3,400.00	3,322.40	3,306.76	3,306.73	16.34	11.49	122.24	-40.17	934.04	1,109.66	1,082.84	26.82	41.373		
3,500.00	3,419.68	3,404.37	3,404.34	16.85	11.83	123.22	-40.12	934.02	1,122.37	1,094.79	27.58	40.688		
3,600.00	3,516.96	3,501.52	3,501.49	17.37	12.16	124.18	-40.09	934.00	1,135.43	1,107.09	28.34	40.061		
3,700.00	3,614.24	3,599.46	3,599.43	17.89	12.50	125.12	-39.96	933.96	1,148.73	1,119.63	29.10	39.474		
3,800.00	3,711.52	3,695.52	3,695.49	18.41	12.84	126.02	-39.96	933.99	1,162.47	1,132.62	29.85	38.945		
3,900.00	3,808.80	3,796.13	3,796.09	18.93	13.19	126.96	-39.99	933.69	1,176.29	1,145.68	30.61	38.425		
4,000.00	3,906.08	3,892.94	3,892.91	19.45	13.52	127.85	-40.00	933.32	1,190.35	1,158.99	31.35	37.965		
4,100.00	4,003.36	3,988.35	3,988.32	19.97	13.85	128.68	-39.84	933.22	1,204.73	1,172.64	32.09	37.545		
4,200.00	4,100.64	4,083.03	4,083.00	20.49	14.18	129.49	-39.85	933.31	1,219.65	1,186.83	32.82	37.163		
4,300.00	4,197.92	4,181.10	4,181.07	21.00	14.53	130.31	-39.86	933.46	1,234.86	1,201.29	33.57	36.789		
4,400.00	4,295.20	4,278.98	4,278.95	21.52	14.87	131.11	-39.79	933.59	1,250.24	1,215.93	34.31	36.442		
4,500.00	4,392.49	4,376.24	4,376.21	22.04	15.21	131.89	-39.83	933.58	1,265.84	1,230.80	35.04	36.123		
4,600.00	4,489.77	4,474.66	4,474.62	22.56	15.56	132.65	-39.77	933.64	1,281.65	1,245.87	35.78	35.818		
4,700.00	4,587.05	4,572.15	4,572.12	23.08	15.89	133.39	-39.62	933.67	1,297.58	1,261.07	36.51	35.538		
4,800.00	4,684.33	4,668.84	4,668.80	23.60	16.23	134.11	-39.57	933.65	1,313.78	1,276.54	37.24	35.282		
4,900.00	4,781.61	4,765.39	4,765.36	24.12	16.57	134.80	-39.48	933.74	1,330.21	1,292.24	37.96	35.041		
5,000.00	4,878.89	4,860.44	4,860.40	24.64	16.90	135.48	-39.54	933.81	1,346.94	1,308.26	38.68	34.824		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 11-12 1BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 1BH	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 10-T4S-R65W - EXIST HZ PROSPER FARMS 4-65 11-12 3AH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,976.17	4,959.11	4,959.08	25.16	17.25	136.16	-39.68	933.93	1,363.95	1,324.54	39.41	34.608		
5,200.00	5,073.45	5,063.51	5,063.47	25.68	17.61	136.86	-39.48	933.95	1,380.83	1,340.66	40.17	34.373		
5,300.00	5,170.73	5,157.95	5,157.91	26.19	17.94	137.47	-39.06	933.88	1,397.63	1,356.75	40.88	34.190		
5,400.00	5,268.01	5,256.54	5,256.51	26.71	18.28	138.11	-38.85	933.79	1,414.77	1,373.17	41.60	34.007		
5,500.00	5,365.29	5,397.72	5,397.62	27.23	18.77	139.10	-38.40	930.28	1,430.82	1,388.30	42.52	33.653		
5,600.00	5,462.58	5,563.48	5,562.78	27.75	19.35	140.49	-35.72	916.69	1,442.92	1,399.46	43.45	33.207		
5,700.00	5,559.86	5,694.69	5,693.04	28.27	19.80	141.66	-30.97	901.67	1,452.06	1,407.83	44.23	32.831		
5,800.00	5,657.14	5,829.56	5,826.51	28.79	20.28	142.87	-23.46	883.83	1,458.99	1,414.00	44.99	32.427		
5,900.00	5,754.42	5,928.81	5,924.35	29.31	20.63	143.83	-17.78	868.23	1,464.93	1,419.25	45.67	32.074		
6,000.00	5,851.70	6,043.64	6,037.15	29.83	21.05	145.03	-11.97	847.58	1,470.82	1,424.45	46.37	31.719		
6,100.00	5,948.98	6,195.41	6,185.03	30.35	21.62	146.77	-3.01	814.70	1,474.84	1,427.75	47.09	31.318		
6,200.00	6,046.26	6,295.91	6,281.79	30.87	22.00	148.07	3.21	788.27	1,477.12	1,429.36	47.75	30.933		
6,300.00	6,143.54	6,378.73	6,361.18	31.39	22.33	149.20	7.30	765.06	1,480.53	1,432.13	48.40	30.591		
6,400.00	6,240.82	6,472.84	6,451.13	31.91	22.72	150.53	10.91	737.64	1,485.27	1,436.22	49.05	30.280		
6,500.00	6,338.10	6,564.37	6,538.24	32.42	23.11	151.87	14.04	709.68	1,490.75	1,441.04	49.71	29.990		
6,600.00	6,435.38	6,659.89	6,628.64	32.94	23.52	153.32	16.58	678.92	1,497.27	1,446.89	50.38	29.722		
6,700.00	6,532.66	6,755.60	6,718.50	33.46	23.96	154.83	18.71	646.08	1,504.52	1,453.46	51.06	29.468		
6,800.00	6,629.95	6,868.40	6,823.44	33.98	24.49	156.69	21.17	604.78	1,512.29	1,460.49	51.79	29.198		
6,900.00	6,727.23	6,980.15	6,926.35	34.50	25.06	158.59	24.67	561.39	1,519.84	1,467.28	52.56	28.916		
7,000.00	6,824.51	7,063.00	7,002.10	35.02	25.49	160.02	28.12	528.01	1,527.51	1,474.24	53.27	28.675		
7,100.00	6,921.79	7,122.75	7,057.84	35.54	25.79	160.95	30.58	506.70	1,537.74	1,483.86	53.88	28.542		
7,200.00	7,019.07	7,157.00	7,090.73	36.06	25.96	161.38	31.64	497.22	1,551.76	1,497.43	54.33	28.562		
7,300.00	7,116.35	7,226.22	7,158.60	36.58	26.26	162.04	33.02	483.89	1,568.62	1,513.72	54.90	28.572		
7,400.00	7,213.50	7,300.45	7,232.54	37.10	26.54	141.57	33.92	477.87	1,587.66	1,532.18	55.48	28.616		
7,500.00	7,308.63	7,379.01	7,310.99	37.62	26.79	116.37	35.81	480.35	1,604.54	1,548.46	56.08	28.609		
7,600.00	7,398.87	7,440.00	7,371.24	38.14	26.97	103.85	37.39	489.49	1,619.52	1,562.95	56.58	28.625		
7,700.00	7,481.47	7,498.71	7,428.02	38.64	27.12	97.07	38.45	504.30	1,632.94	1,575.89	57.05	28.621		
7,800.00	7,553.92	7,578.95	7,502.51	39.13	27.32	93.44	39.15	533.90	1,644.76	1,587.01	57.75	28.481		
7,900.00	7,614.02	7,689.98	7,596.15	39.62	27.60	91.87	42.96	593.05	1,652.16	1,593.36	58.80	28.098		
8,000.00	7,659.94	7,775.00	7,658.04	40.13	27.85	91.11	47.01	651.06	1,655.93	1,596.09	59.84	27.673		
8,100.00	7,690.28	7,854.72	7,707.12	40.68	28.15	91.18	50.48	713.69	1,657.19	1,596.13	61.06	27.141		
8,200.00	7,704.13	7,946.47	7,752.17	41.29	28.61	92.14	53.91	793.44	1,656.09	1,593.43	62.66	26.431		
8,300.00	7,705.00	8,041.84	7,787.28	41.99	29.25	93.41	57.72	881.94	1,652.63	1,588.06	64.57	25.593		
8,400.00	7,705.00	8,120.30	7,804.84	42.83	29.89	94.03	59.52	958.33	1,650.43	1,583.92	66.51	24.816		
8,500.00	7,705.00	8,223.03	7,812.73	43.83	30.89	94.30	60.08	1,060.65	1,649.14	1,580.07	69.08	23.874		
8,600.00	7,705.00	8,385.34	7,811.56	44.99	32.82	94.28	63.84	1,222.90	1,645.43	1,572.33	73.10	22.509		
8,700.00	7,705.00	8,485.38	7,810.17	46.30	34.25	94.24	67.86	1,322.85	1,640.01	1,563.70	76.31	21.492		
8,800.00	7,705.00	8,612.20	7,809.46	47.76	36.26	94.24	74.50	1,449.49	1,633.38	1,552.99	80.39	20.319		
8,900.00	7,705.00	8,705.98	7,809.29	49.34	37.87	94.25	79.95	1,543.11	1,626.28	1,542.37	83.91	19.382		
9,000.00	7,705.00	8,794.61	7,808.67	51.04	39.47	94.24	84.39	1,631.62	1,619.91	1,532.45	87.46	18.523		
9,100.00	7,705.00	8,885.85	7,808.00	52.84	41.21	94.23	88.57	1,722.76	1,613.99	1,522.78	91.21	17.696		
9,200.00	7,705.00	8,949.00	7,807.78	54.74	42.44	94.24	91.02	1,785.87	1,609.07	1,514.79	94.28	17.068		
9,300.00	7,705.00	9,015.38	7,807.49	56.71	43.79	94.23	92.14	1,852.23	1,606.31	1,508.81	97.50	16.475		
9,346.94	7,705.00	9,043.00	7,807.27	57.66	44.35	94.22	91.89	1,879.85	1,606.07	1,507.15	98.92	16.237		
9,400.00	7,705.00	9,067.08	7,807.05	58.75	44.85	94.21	91.30	1,903.92	1,606.58	1,506.29	100.30	16.018		
9,500.00	7,705.00	9,117.10	7,806.54	60.84	45.90	94.19	88.92	1,953.89	1,609.94	1,506.91	103.03	15.626		
9,600.00	7,705.00	9,181.90	7,805.85	63.00	47.28	94.16	83.95	2,018.49	1,616.12	1,509.87	106.25	15.211		
9,700.00	7,705.00	9,267.60	7,805.17	65.19	49.13	94.12	76.10	2,103.82	1,623.85	1,513.62	110.23	14.732		
9,800.00	7,705.00	9,431.14	7,804.07	67.43	52.78	94.05	63.16	2,266.83	1,630.76	1,513.70	117.06	13.931		
9,900.00	7,705.00	9,610.90	7,803.81	69.71	56.92	94.04	58.63	2,446.52	1,631.64	1,507.19	124.45	13.111		
10,000.00	7,705.00	9,723.14	7,803.74	72.01	59.56	94.04	58.19	2,558.76	1,630.75	1,501.14	129.61	12.582		
10,100.00	7,705.00	9,920.01	7,802.50	74.35	64.25	94.02	65.61	2,755.45	1,625.14	1,487.69	137.45	11.823		

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 11-12 1BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 1BH	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 10-T4S-R65W - EXIST HZ PROSPER FARMS 4-65 11-12 3AH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,200.00	7,705.00	10,003.25	7,801.82	76.71	66.25	94.01	70.45	2,838.55	1,617.99	1,476.19	141.80	11.410		
10,300.00	7,705.00	10,080.00	7,801.32	79.10	68.11	94.00	73.67	2,915.22	1,612.38	1,466.42	145.96	11.046		
10,400.00	7,705.00	10,157.11	7,800.92	81.50	70.00	93.99	75.81	2,992.30	1,608.20	1,458.05	150.15	10.711		
10,500.00	7,705.00	10,228.09	7,800.46	83.93	71.75	93.98	76.93	3,063.27	1,605.31	1,451.18	154.13	10.415		
10,600.00	7,705.00	10,301.63	7,799.73	86.37	73.57	93.96	76.59	3,136.80	1,604.36	1,446.18	158.18	10.143		
10,623.87	7,705.00	10,321.52	7,799.55	86.95	74.07	93.95	76.34	3,156.69	1,604.33	1,445.10	159.23	10.076		
10,700.00	7,705.00	10,381.19	7,799.06	88.83	75.55	93.93	75.28	3,216.35	1,604.66	1,442.22	162.43	9.879		
10,800.00	7,705.00	10,457.00	7,798.24	91.30	77.45	93.90	72.64	3,292.11	1,606.67	1,440.13	166.54	9.647		
10,900.00	7,705.00	10,521.89	7,797.61	93.78	79.08	93.87	69.20	3,356.91	1,610.49	1,440.29	170.20	9.462		
11,000.00	7,705.00	10,602.45	7,797.23	96.28	81.11	93.85	63.72	3,437.27	1,615.91	1,441.45	174.45	9.263		
11,100.00	7,705.00	10,736.32	7,796.43	98.79	84.50	93.80	54.67	3,570.83	1,621.49	1,440.57	180.93	8.962		
11,200.00	7,705.00	10,814.11	7,795.58	101.31	86.47	93.76	50.16	3,648.49	1,625.92	1,440.80	185.12	8.783		
11,300.00	7,705.00	10,890.46	7,794.39	103.84	88.42	93.71	44.58	3,724.62	1,631.81	1,442.58	189.23	8.623		
11,400.00	7,705.00	11,400.00	7,792.91	106.37	101.46	93.64	35.93	3,840.18	1,637.86	1,432.76	205.10	7.986		
11,500.00	7,705.00	11,128.06	7,791.67	108.92	94.51	93.59	29.10	3,961.68	1,641.93	1,440.83	201.10	8.165		
11,600.00	7,705.00	11,199.40	7,790.89	111.47	96.34	93.55	24.43	4,032.86	1,647.09	1,442.05	205.05	8.033		
11,700.00	7,705.00	11,295.63	7,789.55	114.03	98.82	93.49	17.03	4,128.80	1,653.37	1,443.31	210.06	7.871		
11,800.00	7,705.00	11,620.20	7,786.35	116.59	107.19	93.40	21.39	4,452.87	1,645.79	1,422.58	223.20	7.374		
11,900.00	7,705.00	11,684.00	7,785.83	119.16	108.84	93.39	24.20	4,516.60	1,639.85	1,412.51	227.34	7.213		
12,000.00	7,705.00	11,823.52	7,784.60	121.74	112.45	93.37	31.86	4,655.90	1,632.83	1,399.18	233.65	6.988		
12,100.00	7,705.00	11,907.03	7,783.97	124.32	114.61	93.36	36.52	4,739.28	1,625.88	1,387.50	238.39	6.820		
12,200.00	7,705.00	11,991.34	7,783.46	126.91	116.80	93.35	40.73	4,823.48	1,619.58	1,376.45	243.14	6.661		
12,300.00	7,705.00	12,061.00	7,782.97	129.50	118.61	93.34	42.96	4,893.10	1,615.00	1,367.59	247.42	6.527		
12,400.00	7,705.00	12,147.77	7,782.04	132.10	120.88	93.31	44.54	4,979.85	1,611.79	1,359.58	252.21	6.391		
12,500.00	7,705.00	12,211.99	7,781.11	134.70	122.56	93.28	44.88	5,044.06	1,609.90	1,353.70	256.20	6.284		
12,530.16	7,705.00	12,230.66	7,780.82	135.48	123.05	93.27	44.69	5,062.72	1,609.79	1,352.44	257.36	6.255		
12,600.00	7,705.00	12,271.85	7,780.17	137.30	124.13	93.25	43.76	5,103.90	1,610.40	1,350.49	259.91	6.196		
12,700.00	7,705.00	12,328.40	7,779.30	139.91	125.61	93.21	41.21	5,160.38	1,613.52	1,350.21	263.31	6.128		
12,800.00	7,705.00	12,403.05	7,778.13	142.52	127.57	93.16	36.07	5,234.85	1,618.94	1,351.52	267.42	6.054		
12,900.00	7,705.00	12,546.97	7,775.68	145.13	131.36	93.06	26.49	5,378.42	1,624.45	1,349.78	274.66	5.914		
13,000.00	7,705.00	12,673.83	7,773.49	147.75	134.70	92.98	20.72	5,505.13	1,627.76	1,346.71	281.05	5.792		
13,100.00	7,705.00	12,786.61	7,771.84	150.37	137.67	92.92	18.50	5,617.87	1,628.26	1,341.43	286.83	5.677		
13,200.00	7,705.00	12,937.69	7,769.76	152.99	141.66	92.84	16.99	5,768.91	1,628.03	1,334.06	293.97	5.538		
13,300.00	7,705.00	13,036.99	7,768.38	155.62	144.28	92.80	18.18	5,868.20	1,625.45	1,326.23	299.22	5.432		
13,400.00	7,705.00	13,111.22	7,767.02	158.24	146.24	92.75	18.18	5,942.42	1,624.06	1,320.45	303.60	5.349		
13,446.29	7,705.00	13,147.39	7,766.33	159.46	147.19	92.73	17.78	5,978.58	1,623.91	1,318.23	305.68	5.312		
13,500.00	7,705.00	13,189.37	7,765.58	160.87	148.30	92.70	17.05	6,020.54	1,624.11	1,316.03	308.07	5.272		
13,600.00	7,705.00	13,284.59	7,764.07	163.50	150.82	92.65	14.87	6,115.73	1,625.01	1,311.83	313.18	5.189		
13,700.00	7,705.00	13,355.95	7,763.03	166.14	152.72	92.61	12.56	6,187.04	1,626.88	1,309.57	317.30	5.127		
13,800.00	7,705.00	13,460.99	7,761.66	168.78	155.50	92.56	7.97	6,291.98	1,629.90	1,307.07	322.82	5.049		
13,900.00	7,705.00	13,674.70	7,759.19	171.41	161.16	92.47	7.42	6,505.62	1,628.69	1,296.52	332.17	4.903		
14,000.00	7,705.00	13,784.33	7,757.96	174.05	164.06	92.44	11.38	6,615.17	1,623.72	1,285.98	337.73	4.808		
14,100.00	7,705.00	13,865.01	7,757.22	176.69	166.19	92.42	13.98	6,695.80	1,619.15	1,276.68	342.48	4.728		
14,200.00	7,705.00	13,935.46	7,755.86	179.34	168.06	92.37	15.12	6,766.23	1,616.14	1,269.29	346.85	4.660		
14,300.00	7,705.00	14,102.33	7,753.31	181.98	172.46	92.29	22.47	6,932.87	1,609.30	1,255.20	354.10	4.545		
14,400.00	7,705.00	14,183.21	7,752.54	184.63	174.60	92.27	25.58	7,013.69	1,604.02	1,245.12	358.90	4.469		
14,500.00	7,705.00	14,258.07	7,751.74	187.28	176.58	92.25	28.25	7,088.49	1,599.27	1,235.79	363.48	4.400		
14,600.00	7,705.00	14,325.00	7,750.90	189.93	178.36	92.22	28.18	7,155.41	1,597.61	1,229.90	367.71	4.345		
14,622.88	7,705.00	14,325.00	7,750.90	190.53	178.36	92.22	28.18	7,155.41	1,597.61	1,229.90	367.71	4.345		
14,700.00	7,705.00	14,382.94	7,750.19	192.58	179.90	92.19	26.76	7,213.33	1,598.20	1,226.77	371.43	4.303		
14,800.00	7,705.00	14,475.38	7,749.33	195.23	182.36	92.16	24.21	7,305.73	1,599.61	1,223.17	376.44	4.249		
14,900.00	7,705.00	14,564.32	7,748.70	197.88	184.73	92.14	21.25	7,394.62	1,601.60	1,220.30	381.29	4.200		

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 11-12 1BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 1BH	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 10-T4S-R65W - EXIST HZ PROSPER FARMS 4-65 11-12 3AH - OWB - FINAL SURVEY												Offset Site Error: 0.00 usft		
Survey Program: 25-MWD OWSG												Offset Well Error: 0.00 usft		
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
15,000.00	7,705.00	14,657.06	7,747.66	200.53	187.21	92.10	17.51	7,487.28	1,604.27	1,217.97	386.30	4.153		
15,100.00	7,705.00	14,761.13	7,746.52	203.19	189.98	92.05	13.22	7,591.26	1,607.04	1,215.22	391.82	4.101		
15,200.00	7,705.00	14,853.85	7,745.60	205.85	192.46	92.02	9.56	7,683.89	1,609.66	1,212.83	396.83	4.056		
15,300.00	7,705.00	14,948.81	7,744.50	208.50	194.99	91.97	5.13	7,778.75	1,612.97	1,211.03	401.94	4.013		
15,400.00	7,705.00	15,093.77	7,742.82	211.16	198.86	91.91	-0.08	7,923.60	1,615.35	1,206.15	409.21	3.948		
15,500.00	7,705.00	15,203.08	7,741.25	213.82	201.78	91.85	-1.82	8,032.88	1,615.58	1,200.68	414.91	3.894		
15,600.00	7,705.00	15,309.20	7,739.63	216.48	204.61	91.80	-3.20	8,138.98	1,615.54	1,195.06	420.48	3.842		
15,700.00	7,705.00	15,441.79	7,737.59	219.14	208.14	91.73	-3.22	8,271.56	1,614.22	1,187.28	426.94	3.781		
15,800.00	7,705.00	15,583.87	7,735.45	221.80	211.92	91.66	0.54	8,413.56	1,610.11	1,176.64	433.47	3.714		
15,900.00	7,705.00	15,679.86	7,734.51	224.47	214.48	91.63	4.04	8,509.48	1,605.13	1,166.43	438.70	3.659		
16,000.00	7,705.00	15,767.52	7,733.62	227.13	216.81	91.60	6.82	8,597.09	1,600.63	1,156.93	443.71	3.607		
16,100.00	7,705.00	15,846.29	7,732.89	229.79	218.91	91.58	8.48	8,675.84	1,597.21	1,148.79	448.42	3.562		
16,200.00	7,705.00	15,917.02	7,732.19	232.46	220.80	91.55	8.81	8,746.57	1,595.41	1,142.63	452.78	3.524		
16,300.00	7,705.00	16,037.86	7,730.85	235.13	224.02	91.50	8.78	8,867.40	1,594.13	1,135.29	458.84	3.474		
16,358.98	7,705.00	16,061.86	7,730.59	236.70	224.67	91.50	8.55	8,891.40	1,593.66	1,132.91	460.75	3.459		
16,400.00	7,705.00	16,084.19	7,730.34	237.79	225.26	91.49	8.12	8,913.72	1,593.90	1,131.71	462.19	3.449		
16,500.00	7,705.00	16,154.61	7,729.53	240.46	227.15	91.46	5.37	8,984.09	1,596.32	1,130.10	466.22	3.424		
16,600.00	7,705.00	16,239.29	7,728.47	243.13	229.41	91.42	1.53	9,068.67	1,599.56	1,128.73	470.83	3.397		
16,700.00	7,705.00	16,307.00	7,727.67	245.80	231.22	91.38	-2.87	9,136.23	1,604.66	1,130.18	474.48	3.382		
16,800.00	7,705.00	16,388.54	7,726.65	248.46	233.41	91.34	-9.44	9,217.50	1,611.36	1,132.58	478.78	3.366		
16,900.00	7,705.00	16,474.12	7,725.59	251.13	235.69	91.30	-17.05	9,302.73	1,618.91	1,135.64	483.27	3.350		
17,000.00	7,705.00	16,685.00	7,723.18	253.80	241.34	91.21	-31.31	9,513.05	1,625.29	1,130.94	494.35	3.288		
17,100.00	7,705.00	16,745.99	7,722.57	256.47	242.97	91.18	-33.29	9,574.01	1,627.38	1,129.43	497.95	3.268		
17,200.00	7,705.00	16,779.00	7,722.12	259.15	243.86	91.17	-35.20	9,606.96	1,632.61	1,132.97	499.64	3.268		
17,300.00	7,705.00	16,840.66	7,721.28	261.82	245.50	91.13	-40.74	9,668.36	1,640.70	1,138.16	502.54	3.265		
17,400.00	7,705.00	17,400.00	7,719.17	264.49	260.48	91.05	-59.16	9,845.70	1,650.82	1,127.95	522.87	3.157		
17,500.00	7,705.00	17,238.71	7,716.76	267.16	256.15	90.96	-63.74	10,065.24	1,650.59	1,127.53	523.06	3.156		
17,600.00	7,705.00	17,333.54	7,715.59	269.84	258.69	90.92	-63.12	10,160.05	1,648.61	1,120.36	528.25	3.121		
17,700.00	7,705.00	17,437.01	7,714.33	272.51	261.46	90.88	-62.65	10,263.52	1,646.82	1,113.10	533.72	3.086		
17,800.00	7,705.00	17,546.90	7,713.16	275.18	264.40	90.84	-61.65	10,373.40	1,644.58	1,105.21	539.37	3.049		
17,900.00	7,705.00	17,635.50	7,712.04	277.86	266.77	90.80	-60.97	10,461.98	1,642.48	1,098.10	544.38	3.017		
18,000.00	7,705.00	17,731.29	7,710.90	280.53	269.33	90.76	-60.63	10,557.76	1,640.79	1,091.19	549.60	2.985		
18,100.00	7,705.00	17,827.00	7,709.85	283.21	271.90	90.73	-60.21	10,653.47	1,639.04	1,084.22	554.82	2.954		
18,120.90	7,705.00	17,827.00	7,709.85	283.77	271.90	90.73	-60.21	10,653.47	1,638.90	1,083.69	555.20	2.952 SF		

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 11-12 1BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 1BH	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 10-T4S-R65W - EXIST HZ PROSPER FARMS 4-65 11-12 3BH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	94.93	-80.12	928.90	932.54					
100.00	100.00	83.85	83.85	0.13	0.21	94.91	-79.85	928.79	932.22	931.87	0.35	2,700.208		
153.74	153.74	133.92	133.92	0.33	0.39	87.33	-79.43	928.77	932.13	931.42	0.72	1,301.277		
200.00	199.98	177.83	177.82	0.49	0.55	87.37	-79.04	928.91	932.19	931.15	1.04	897.278		
300.00	299.84	280.22	280.21	0.86	0.91	87.65	-78.19	929.18	932.15	930.38	1.77	527.020		
400.00	399.45	379.81	379.80	1.23	1.27	88.14	-77.42	929.29	931.86	929.36	2.50	372.613		
500.00	498.70	478.16	478.14	1.63	1.62	88.83	-76.66	929.52	931.70	928.45	3.25	286.972		
588.81	586.44	566.44	566.42	2.00	1.94	89.63	-75.95	929.72	931.62	927.69	3.93	236.836 CC		
600.00	597.47	577.44	577.42	2.04	1.98	89.74	-75.86	929.74	931.62	927.60	4.02	231.763		
700.00	695.62	674.75	674.73	2.49	2.33	90.83	-75.11	929.98	931.87	927.05	4.81	193.546		
800.00	793.09	772.73	772.70	2.97	2.68	92.11	-74.27	930.33	932.68	927.03	5.64	165.292 ES		
900.00	890.37	871.24	871.20	3.46	3.03	93.46	-73.39	930.57	933.91	927.42	6.49	143.920		
1,000.00	987.65	971.29	971.26	3.96	3.39	94.83	-72.69	930.61	935.52	928.17	7.35	127.358		
1,100.00	1,084.94	1,070.40	1,070.36	4.47	3.74	96.20	-72.12	930.35	937.41	929.21	8.20	114.336		
1,200.00	1,182.22	1,168.59	1,168.56	4.98	4.09	97.56	-71.68	929.93	939.72	930.67	9.05	103.867		
1,300.00	1,279.50	1,266.15	1,266.11	5.49	4.43	98.91	-71.27	929.46	942.53	932.64	9.89	95.268		
1,400.00	1,376.78	1,363.48	1,363.44	6.00	4.77	100.25	-70.97	928.94	945.87	935.13	10.74	88.103		
1,500.00	1,474.06	1,460.02	1,459.98	6.51	5.11	101.58	-70.78	928.44	949.81	938.24	11.57	82.071		
1,600.00	1,571.34	1,557.77	1,557.73	7.02	5.45	102.91	-70.63	927.93	954.29	941.88	12.41	76.883		
1,700.00	1,668.62	1,654.97	1,654.93	7.54	5.79	104.22	-70.47	927.41	959.30	946.05	13.25	72.412		
1,800.00	1,765.90	1,752.48	1,752.43	8.05	6.13	105.53	-70.27	926.89	964.81	950.73	14.08	68.512		
1,900.00	1,863.18	1,849.51	1,849.46	8.57	6.47	106.82	-70.22	926.33	970.88	955.97	14.91	65.115		
2,000.00	1,960.46	1,947.52	1,947.47	9.09	6.82	108.11	-70.14	925.74	977.40	961.67	15.74	62.103		
2,100.00	2,057.74	2,044.68	2,044.63	9.60	7.16	109.36	-70.00	925.13	984.40	967.84	16.56	59.440		
2,200.00	2,155.03	2,141.36	2,141.30	10.12	7.50	110.60	-69.91	924.57	991.94	974.56	17.38	57.080		
2,300.00	2,252.31	2,234.58	2,234.53	10.64	7.83	111.77	-69.85	924.21	1,000.14	981.96	18.18	55.024		
2,400.00	2,349.59	2,330.58	2,330.53	11.15	8.16	112.94	-69.83	924.21	1,009.14	990.16	18.98	53.182		
2,500.00	2,446.87	2,427.90	2,427.84	11.67	8.50	114.12	-69.86	924.20	1,018.61	998.83	19.77	51.517		
2,600.00	2,544.15	2,525.27	2,525.22	12.19	8.83	115.27	-69.84	924.20	1,028.50	1,007.93	20.57	50.007		
2,700.00	2,641.43	2,622.38	2,622.32	12.71	9.16	116.40	-69.89	924.18	1,038.82	1,017.47	21.35	48.652		
2,800.00	2,738.71	2,720.24	2,720.18	13.23	9.50	117.51	-69.89	924.16	1,049.54	1,027.40	22.14	47.401		
2,900.00	2,835.99	2,816.59	2,816.53	13.74	9.84	118.59	-69.87	924.16	1,060.66	1,037.74	22.92	46.278		
3,000.00	2,933.27	2,913.60	2,913.54	14.26	10.16	119.65	-69.92	924.20	1,072.23	1,048.54	23.69	45.268		
3,100.00	3,030.55	3,011.62	3,011.57	14.78	10.49	120.70	-69.94	924.22	1,084.15	1,059.69	24.46	44.331		
3,200.00	3,127.83	3,109.47	3,109.42	15.30	10.83	121.73	-69.94	924.18	1,096.37	1,071.14	25.23	43.457		
3,300.00	3,225.12	3,205.71	3,205.65	15.82	11.16	122.72	-69.97	924.17	1,108.97	1,082.98	25.99	42.671		
3,400.00	3,322.40	3,303.84	3,303.79	16.34	11.50	123.70	-69.92	924.20	1,121.89	1,095.14	26.75	41.933		
3,500.00	3,419.68	3,400.38	3,400.33	16.85	11.84	124.65	-69.91	924.22	1,135.15	1,107.64	27.51	41.263		
3,600.00	3,516.96	3,498.10	3,498.04	17.37	12.18	125.59	-69.90	924.24	1,148.73	1,120.46	28.27	40.637		
3,700.00	3,614.24	3,595.47	3,595.42	17.89	12.52	126.50	-69.88	924.27	1,162.61	1,133.59	29.02	40.058		
3,800.00	3,711.52	3,694.74	3,694.68	18.41	12.86	127.41	-69.81	924.18	1,176.66	1,146.88	29.79	39.504		
3,900.00	3,808.80	3,792.27	3,792.21	18.93	13.21	128.28	-69.69	924.02	1,190.91	1,160.37	30.54	38.994		
4,000.00	3,906.08	3,888.46	3,888.41	19.45	13.55	129.12	-69.57	923.92	1,205.47	1,174.18	31.29	38.529		
4,100.00	4,003.36	3,984.31	3,984.26	19.97	13.89	129.94	-69.50	923.93	1,220.41	1,188.38	32.03	38.108		
4,200.00	4,100.64	4,081.05	4,081.00	20.49	14.22	130.74	-69.50	923.99	1,235.68	1,202.92	32.76	37.720		
4,300.00	4,197.92	4,178.33	4,178.28	21.00	14.55	131.53	-69.52	924.04	1,251.20	1,217.71	33.49	37.359		
4,400.00	4,295.20	4,276.13	4,276.08	21.52	14.89	132.31	-69.53	924.10	1,266.96	1,232.73	34.23	37.017		
4,500.00	4,392.49	4,374.07	4,374.02	22.04	15.24	133.06	-69.45	924.14	1,282.86	1,247.89	34.97	36.690		
4,600.00	4,489.77	4,471.00	4,470.95	22.56	15.58	133.79	-69.41	924.15	1,298.98	1,263.28	35.70	36.389		
4,700.00	4,587.05	4,567.19	4,567.13	23.08	15.91	134.50	-69.42	924.16	1,315.36	1,278.94	36.42	36.117		
4,800.00	4,684.33	4,665.28	4,665.22	23.60	16.25	135.21	-69.51	924.18	1,332.00	1,294.85	37.15	35.857		
4,900.00	4,781.61	4,762.53	4,762.48	24.12	16.59	135.89	-69.42	924.24	1,348.72	1,310.85	37.87	35.612		

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 11-12 1BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 1BH	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 10-T4S-R65W - EXIST HZ PROSPER FARMS 4-65 11-12 3BH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	4,878.89	4,860.27	4,860.22	24.64	16.92	136.56	-69.47	924.22	1,365.70	1,327.10	38.60	35.383		
5,100.00	4,976.17	4,957.37	4,957.32	25.16	17.26	137.22	-69.46	924.15	1,382.77	1,343.45	39.32	35.168		
5,200.00	5,073.45	5,055.02	5,054.96	25.68	17.61	137.85	-69.39	924.25	1,400.07	1,360.02	40.05	34.962		
5,300.00	5,170.73	5,152.35	5,152.29	26.19	17.95	138.46	-69.26	924.35	1,417.48	1,376.71	40.77	34.768		
5,400.00	5,268.01	5,249.75	5,249.69	26.71	18.29	139.07	-69.20	924.38	1,435.07	1,393.58	41.49	34.586		
5,500.00	5,365.29	5,356.04	5,355.98	27.23	18.66	139.74	-69.22	923.77	1,452.57	1,410.31	42.26	34.374		
5,600.00	5,462.58	5,496.53	5,496.28	27.75	19.15	140.80	-69.89	917.08	1,468.52	1,425.36	43.16	34.026		
5,700.00	5,559.86	5,643.00	5,641.91	28.27	19.67	142.15	-70.33	901.53	1,481.69	1,437.67	44.02	33.657		
5,800.00	5,657.14	5,776.83	5,774.51	28.79	20.15	143.43	-68.18	883.63	1,492.27	1,447.45	44.81	33.299		
5,900.00	5,754.42	5,877.76	5,874.08	29.31	20.51	144.47	-66.13	867.27	1,501.59	1,456.09	45.50	33.005		
6,000.00	5,851.70	5,955.05	5,950.20	29.83	20.79	145.31	-65.78	853.86	1,512.21	1,466.11	46.10	32.801		
6,100.00	5,948.98	6,034.79	6,028.73	30.35	21.09	146.18	-66.48	840.01	1,524.49	1,477.78	46.71	32.640		
6,200.00	6,046.26	6,136.61	6,128.68	30.87	21.47	147.34	-68.30	820.72	1,537.42	1,490.04	47.38	32.449		
6,300.00	6,143.54	6,221.52	6,211.49	31.39	21.79	148.40	-71.09	802.13	1,551.08	1,503.10	47.98	32.326		
6,400.00	6,240.82	6,298.38	6,286.11	31.91	22.09	149.39	-74.82	784.16	1,566.24	1,517.69	48.55	32.263		
6,500.00	6,338.10	6,399.80	6,384.42	32.42	22.49	150.71	-80.36	759.85	1,582.47	1,533.26	49.21	32.157		
6,600.00	6,435.38	6,481.64	6,463.55	32.94	22.81	151.79	-85.04	739.47	1,599.37	1,549.58	49.79	32.120		
6,700.00	6,532.66	6,552.63	6,531.90	33.46	23.11	152.74	-90.08	721.01	1,617.93	1,567.61	50.32	32.154		
6,800.00	6,629.95	6,624.34	6,600.66	33.98	23.41	153.73	-96.46	701.67	1,638.54	1,587.70	50.83	32.234		
6,900.00	6,727.23	6,708.47	6,680.95	34.50	23.77	154.91	-105.00	678.04	1,660.80	1,609.38	51.41	32.303		
7,000.00	6,824.51	6,887.56	6,850.11	35.02	24.57	157.51	-120.91	621.53	1,682.53	1,629.98	52.54	32.021		
7,100.00	6,921.79	6,979.27	6,935.44	35.54	25.02	158.92	-127.20	588.54	1,702.08	1,648.87	53.21	31.986		
7,200.00	7,019.07	7,074.47	7,023.05	36.06	25.50	160.42	-133.74	551.86	1,722.27	1,668.35	53.92	31.940		
7,300.00	7,116.35	7,168.89	7,109.37	36.58	26.00	161.93	-140.03	514.15	1,743.26	1,688.62	54.64	31.904		
7,400.00	7,213.50	7,222.67	7,160.11	37.10	26.26	141.53	-143.48	496.72	1,765.71	1,710.63	55.09	32.053		
7,500.00	7,308.63	7,285.42	7,221.32	37.62	26.54	116.18	-147.30	483.67	1,787.40	1,731.82	55.58	32.159		
7,600.00	7,398.87	7,354.53	7,290.13	38.14	26.80	103.65	-151.01	479.22	1,807.40	1,751.29	56.11	32.209		
7,700.00	7,481.47	7,437.29	7,372.51	38.64	27.06	97.11	-154.56	485.44	1,824.97	1,768.22	56.75	32.158		
7,800.00	7,553.92	7,474.97	7,409.62	39.13	27.16	92.66	-156.28	491.72	1,840.70	1,783.61	57.09	32.243		
7,900.00	7,614.02	7,508.68	7,442.51	39.62	27.25	89.71	-158.53	498.78	1,855.69	1,798.22	57.47	32.291		
8,000.00	7,659.94	7,535.00	7,467.92	40.13	27.32	87.58	-160.75	505.23	1,869.97	1,812.07	57.90	32.296		
8,100.00	7,690.28	7,566.82	7,498.28	40.68	27.39	86.30	-163.98	514.21	1,883.55	1,825.03	58.52	32.184		
8,200.00	7,704.13	7,590.09	7,520.17	41.29	27.45	85.36	-166.70	521.63	1,896.53	1,837.30	59.23	32.022		
8,300.00	7,705.00	7,610.16	7,538.80	41.99	27.50	85.52	-169.29	528.60	1,910.16	1,850.14	60.02	31.825		
8,400.00	7,705.00	7,635.29	7,561.80	42.83	27.56	86.23	-172.86	538.08	1,928.22	1,867.28	60.94	31.639		
8,500.00	7,705.00	7,682.16	7,603.36	43.83	27.67	87.50	-180.13	558.46	1,950.49	1,888.37	62.12	31.397		
8,600.00	7,705.00	8,318.99	7,887.52	44.99	31.29	95.87	-256.06	1,086.29	1,970.81	1,900.17	70.64	27.900		
8,700.00	7,705.00	8,429.60	7,887.94	46.30	32.61	95.88	-259.89	1,196.83	1,973.02	1,899.27	73.75	26.752		
8,800.00	7,705.00	8,478.00	7,887.79	47.76	33.23	95.87	-261.09	1,245.21	1,975.06	1,899.19	75.88	26.029		
8,900.00	7,705.00	8,536.55	7,887.54	49.34	34.08	95.86	-263.93	1,303.68	1,979.28	1,900.94	78.34	25.264		
9,000.00	7,705.00	8,573.00	7,887.20	51.04	34.60	95.84	-267.39	1,339.96	1,987.22	1,906.85	80.37	24.727		
9,100.00	7,705.00	8,611.16	7,886.79	52.84	35.20	95.81	-272.20	1,377.81	1,998.28	1,915.80	82.48	24.226		
9,200.00	7,705.00	8,667.00	7,886.29	54.74	36.09	95.77	-281.13	1,432.93	2,012.40	1,927.36	85.04	23.664		
9,300.00	7,705.00	8,727.19	7,885.77	56.71	37.10	95.73	-291.96	1,492.13	2,028.58	1,940.79	87.79	23.107		
9,400.00	7,705.00	9,022.19	7,882.13	58.75	42.61	95.54	-327.83	1,784.69	2,037.12	1,939.93	97.19	20.960		
9,500.00	7,705.00	9,355.57	7,877.93	60.84	49.61	95.40	-338.19	2,117.54	2,039.69	1,931.82	107.87	18.909		
9,600.00	7,705.00	9,421.00	7,876.86	63.00	51.04	95.38	-336.73	2,182.94	2,036.05	1,924.60	111.44	18.270		
9,700.00	7,705.00	9,491.69	7,875.72	65.19	52.62	95.35	-336.27	2,253.62	2,033.97	1,918.76	115.20	17.656		
9,800.00	7,705.00	9,634.63	7,873.72	67.43	55.87	95.30	-335.59	2,396.55	2,032.25	1,911.22	121.03	16.792		
9,900.00	7,705.00	9,824.81	7,871.73	69.71	60.27	95.28	-327.21	2,586.50	2,026.31	1,898.18	128.14	15.814		
10,000.00	7,705.00	10,052.07	7,871.35	72.01	65.58	95.33	-305.35	2,812.64	2,015.54	1,879.56	135.98	14.823		
10,100.00	7,705.00	10,131.89	7,871.13	74.35	67.46	95.35	-295.27	2,891.81	2,001.69	1,861.40	140.29	14.268		

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 11-12 1BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 1BH	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													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,200.00	7,705.00	10,175.00	7,871.05	76.71	68.48	95.37	-290.33	2,934.64	1,989.50	1,845.76	143.74	13.841		
10,300.00	7,705.00	10,233.65	7,870.94	79.10	69.89	95.38	-285.03	2,993.04	1,979.58	1,832.03	147.55	13.416		
10,400.00	7,705.00	10,284.14	7,870.81	81.50	71.12	95.39	-282.27	3,043.46	1,972.65	1,821.54	151.11	13.054		
10,500.00	7,705.00	10,372.04	7,870.67	83.93	73.27	95.39	-278.54	3,131.28	1,967.10	1,811.40	155.70	12.634		
10,600.00	7,705.00	10,460.39	7,870.39	86.37	75.46	95.40	-275.33	3,219.57	1,962.15	1,801.82	160.33	12.238		
10,700.00	7,705.00	10,543.00	7,870.11	88.83	77.51	95.40	-272.95	3,302.15	1,957.94	1,793.13	164.81	11.880		
10,800.00	7,705.00	10,633.47	7,869.93	91.30	79.77	95.40	-270.97	3,392.59	1,954.43	1,784.89	169.54	11.528		
10,900.00	7,705.00	10,746.11	7,869.54	93.78	82.60	95.40	-268.49	3,505.21	1,950.93	1,775.98	174.95	11.151		
11,000.00	7,705.00	10,859.70	7,869.32	96.28	85.46	95.41	-264.53	3,618.72	1,946.06	1,765.66	180.40	10.788		
11,100.00	7,705.00	10,919.35	7,869.24	98.79	86.97	95.41	-263.16	3,678.36	1,942.45	1,758.19	184.26	10.542		
11,200.00	7,705.00	10,974.00	7,869.12	101.31	88.36	95.41	-263.00	3,733.01	1,940.93	1,753.03	187.90	10.330		
11,234.34	7,705.00	11,003.75	7,869.05	102.18	89.12	95.41	-263.29	3,762.76	1,940.82	1,751.33	189.50	10.242		
11,300.00	7,705.00	11,049.37	7,869.00	103.84	90.28	95.41	-264.13	3,808.37	1,941.16	1,748.99	192.17	10.101		
11,400.00	7,705.00	11,141.48	7,869.04	106.37	92.64	95.41	-266.64	3,900.44	1,942.55	1,745.54	197.02	9.860		
11,500.00	7,705.00	11,252.82	7,869.03	108.92	95.50	95.40	-269.44	4,011.75	1,943.76	1,741.22	202.54	9.597		
11,600.00	7,705.00	11,319.84	7,868.53	111.47	97.23	95.39	-271.45	4,078.74	1,945.41	1,738.88	206.53	9.419		
11,700.00	7,705.00	11,398.23	7,867.14	114.03	99.26	95.34	-275.23	4,157.02	1,948.69	1,737.78	210.91	9.239		
11,800.00	7,705.00	11,497.63	7,865.37	116.59	101.83	95.27	-280.46	4,256.27	1,952.46	1,736.39	216.06	9.036		
11,900.00	7,705.00	11,599.87	7,863.80	119.16	104.48	95.22	-285.61	4,358.37	1,956.03	1,734.70	221.33	8.837		
12,000.00	7,705.00	11,918.00	7,859.37	121.74	112.67	95.12	-277.62	4,675.67	1,947.87	1,714.57	233.30	8.349		
12,100.00	7,705.00	11,949.06	7,858.86	124.32	113.48	95.11	-276.25	4,706.69	1,942.05	1,705.44	236.62	8.208		
12,200.00	7,705.00	11,979.69	7,858.36	126.91	114.28	95.10	-276.01	4,737.32	1,939.80	1,700.15	239.65	8.094		
12,206.47	7,705.00	11,981.67	7,858.33	127.08	114.33	95.10	-276.03	4,739.30	1,939.78	1,699.94	239.84	8.088		
12,300.00	7,705.00	12,012.00	7,857.83	129.50	115.12	95.08	-276.94	4,769.61	1,941.13	1,698.66	242.47	8.006		
12,400.00	7,705.00	12,222.81	7,854.61	132.10	120.62	94.99	-278.73	4,980.35	1,939.69	1,688.21	251.48	7.713		
12,500.00	7,705.00	12,296.00	7,853.36	134.70	122.54	94.95	-278.67	5,053.52	1,938.03	1,682.16	255.86	7.574		
12,600.00	7,705.00	12,431.56	7,851.16	137.30	126.08	94.90	-277.00	5,189.05	1,935.20	1,672.98	262.21	7.380		
12,700.00	7,705.00	12,500.03	7,849.93	139.91	127.88	94.87	-276.40	5,257.50	1,932.86	1,666.39	266.47	7.253		
12,787.33	7,705.00	12,558.24	7,848.91	142.19	129.40	94.84	-276.81	5,315.70	1,932.20	1,662.11	270.09	7.154		
12,800.00	7,705.00	12,566.69	7,848.77	142.52	129.63	94.83	-276.94	5,324.15	1,932.22	1,661.60	270.61	7.140		
12,900.00	7,705.00	12,635.59	7,847.59	145.13	131.44	94.80	-278.66	5,393.02	1,933.25	1,658.48	274.77	7.036		
13,000.00	7,705.00	12,700.98	7,846.33	147.75	133.16	94.75	-281.35	5,458.34	1,935.92	1,657.20	278.72	6.946		
13,100.00	7,705.00	12,767.00	7,845.14	150.37	134.90	94.71	-285.44	5,524.22	1,940.56	1,657.94	282.62	6.866		
13,200.00	7,705.00	12,830.81	7,844.02	152.99	136.59	94.67	-290.53	5,587.81	1,946.99	1,660.65	286.34	6.799		
13,300.00	7,705.00	12,902.04	7,842.71	155.62	138.46	94.62	-297.25	5,658.72	1,954.94	1,664.62	290.32	6.734		
13,400.00	7,705.00	12,973.20	7,841.35	158.24	140.34	94.56	-304.97	5,729.44	1,964.31	1,670.07	294.24	6.676		
13,500.00	7,705.00	13,041.12	7,840.04	160.87	142.13	94.50	-313.39	5,796.82	1,975.22	1,677.28	297.94	6.630		
13,600.00	7,705.00	13,120.32	7,838.52	163.50	144.22	94.44	-324.26	5,875.26	1,987.46	1,685.29	302.17	6.577		
13,700.00	7,705.00	13,445.92	7,832.37	166.14	152.82	94.20	-354.38	6,199.15	1,996.88	1,679.46	317.42	6.291		
13,800.00	7,705.00	13,522.00	7,830.86	168.78	154.84	94.16	-357.07	6,275.16	1,998.94	1,677.09	321.85	6.211		
13,900.00	7,705.00	13,758.21	7,826.45	171.41	161.10	94.03	-360.02	6,511.26	1,999.56	1,668.04	331.53	6.031		
14,000.00	7,705.00	13,914.62	7,823.76	174.05	165.21	93.97	-352.66	6,667.47	1,993.15	1,654.96	338.18	5.894		
14,100.00	7,705.00	13,994.00	7,822.23	176.69	167.30	93.94	-348.31	6,746.72	1,986.32	1,643.32	343.00	5.791		
14,200.00	7,705.00	14,052.41	7,821.16	179.34	168.84	93.91	-346.02	6,805.06	1,981.14	1,633.89	347.25	5.705		
14,300.00	7,705.00	14,109.27	7,820.18	181.98	170.35	93.89	-345.33	6,861.92	1,978.43	1,627.12	351.31	5.632		
14,400.00	7,705.00	14,322.68	7,817.84	184.63	175.99	93.84	-341.08	7,075.20	1,976.46	1,616.93	359.52	5.497		
14,500.00	7,705.00	14,460.83	7,817.01	187.28	179.62	93.83	-331.08	7,212.98	1,967.83	1,602.32	365.51	5.384		
14,600.00	7,705.00	14,538.35	7,816.61	189.93	181.66	93.84	-325.19	7,290.28	1,958.93	1,588.55	370.38	5.289		
14,700.00	7,705.00	14,615.85	7,816.21	192.58	183.70	93.84	-320.24	7,367.61	1,951.22	1,576.00	375.22	5.200		
14,800.00	7,705.00	14,701.19	7,815.70	195.23	185.95	93.83	-315.68	7,452.83	1,944.52	1,564.32	380.20	5.114		
14,900.00	7,705.00	14,789.03	7,815.08	197.88	188.27	93.82	-311.44	7,540.57	1,938.36	1,553.13	385.23	5.032		
15,000.00	7,705.00	14,868.03	7,814.39	200.53	190.36	93.81	-308.27	7,619.50	1,933.02	1,542.99	390.03	4.956		

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 11-12 1BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 1BH	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 10-T4S-R65W - EXIST HZ PROSPER FARMS 4-65 11-12 3BH - OWB - FINAL SURVEY												Offset Site Error: 0.00 usft	
Survey Program: 25-MWD OWSG												Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis			Distance						
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	Warning
15,100.00	7,705.00	14,939.50	7,813.66	203.19	192.26	93.80	-306.41	7,690.94	1,929.04	1,534.46	394.58	4.889	
15,200.00	7,705.00	15,021.76	7,813.06	205.85	194.45	93.78	-305.22	7,773.19	1,926.24	1,526.86	399.38	4.823	
15,300.00	7,705.00	15,117.53	7,812.60	208.50	197.00	93.77	-304.42	7,868.96	1,924.06	1,519.48	404.58	4.756	
15,400.00	7,705.00	15,189.37	7,812.15	211.16	198.91	93.76	-304.33	7,940.80	1,922.62	1,513.61	409.01	4.701	
15,443.19	7,705.00	15,220.00	7,811.99	212.31	199.73	93.76	-304.65	7,971.42	1,922.48	1,511.60	410.88	4.679	
15,500.00	7,705.00	15,264.10	7,811.87	213.82	200.90	93.75	-305.40	8,015.52	1,922.68	1,509.23	413.46	4.650	
15,600.00	7,705.00	15,383.10	7,811.98	216.48	204.08	93.76	-307.82	8,134.49	1,923.52	1,504.07	419.45	4.586	
15,700.00	7,705.00	15,478.97	7,811.22	219.14	206.64	93.73	-308.58	8,230.35	1,922.97	1,498.32	424.65	4.528	
15,711.21	7,705.00	15,488.03	7,811.16	219.44	206.88	93.73	-308.70	8,239.41	1,922.96	1,497.79	425.17	4.523	
15,800.00	7,705.00	15,548.44	7,810.75	221.80	208.49	93.72	-309.90	8,299.81	1,923.56	1,494.68	428.88	4.485	
15,900.00	7,705.00	15,616.64	7,810.23	224.47	210.32	93.70	-312.48	8,367.96	1,925.94	1,492.98	432.95	4.448	
16,000.00	7,705.00	15,697.81	7,809.76	227.13	212.49	93.68	-316.51	8,449.02	1,929.55	1,492.06	437.49	4.410	
16,100.00	7,705.00	15,778.70	7,809.37	229.79	214.65	93.66	-321.32	8,529.77	1,934.14	1,492.16	441.98	4.376	
16,200.00	7,705.00	15,852.40	7,808.97	232.46	216.63	93.64	-326.54	8,603.28	1,939.88	1,493.80	446.08	4.349	
16,300.00	7,705.00	15,923.37	7,808.59	235.13	218.52	93.62	-332.57	8,674.00	1,947.03	1,497.07	449.95	4.327	
16,400.00	7,705.00	16,192.46	7,807.16	237.79	225.71	93.57	-343.23	8,942.64	1,948.02	1,485.53	462.49	4.212	
16,445.22	7,705.00	16,222.85	7,807.02	239.00	226.53	93.56	-343.53	8,973.03	1,947.85	1,483.44	464.41	4.194	
16,500.00	7,705.00	16,260.53	7,806.88	240.46	227.53	93.56	-344.21	9,010.71	1,948.10	1,481.37	466.74	4.174	
16,600.00	7,705.00	16,362.85	7,806.33	243.13	230.27	93.54	-346.42	9,113.01	1,948.92	1,476.75	472.17	4.128	
16,700.00	7,705.00	16,457.55	7,805.67	245.80	232.81	93.52	-348.60	9,207.68	1,949.87	1,472.54	477.33	4.085	
16,800.00	7,705.00	16,556.37	7,805.04	248.46	235.45	93.50	-350.82	9,306.46	1,950.76	1,468.13	482.63	4.042	
16,900.00	7,705.00	16,624.19	7,804.55	251.13	237.27	93.48	-353.04	9,374.25	1,952.68	1,465.95	486.73	4.012	
17,000.00	7,705.00	16,765.21	7,803.20	253.80	241.04	93.44	-356.15	9,515.21	1,953.16	1,459.49	493.67	3.956	
17,100.00	7,705.00	16,825.00	7,802.71	256.47	242.65	93.42	-358.22	9,574.97	1,955.09	1,457.61	497.47	3.930	
17,200.00	7,705.00	16,880.52	7,802.40	259.15	244.13	93.41	-361.33	9,630.39	1,959.16	1,458.28	500.88	3.911	
17,300.00	7,705.00	16,968.31	7,802.09	261.82	246.49	93.39	-367.44	9,717.97	1,964.74	1,459.08	505.66	3.886	
17,400.00	7,705.00	17,084.12	7,801.21	264.49	249.59	93.36	-375.00	9,833.53	1,969.90	1,458.13	511.77	3.849	
17,500.00	7,705.00	17,216.81	7,800.39	267.16	253.15	93.32	-382.01	9,966.03	1,973.83	1,455.24	518.58	3.806	
17,600.00	7,705.00	17,327.07	7,799.77	269.84	256.11	93.30	-386.75	10,076.19	1,976.79	1,452.42	524.37	3.770	
17,700.00	7,705.00	17,700.00	7,798.17	272.51	266.08	93.26	-388.32	10,304.85	1,976.13	1,438.42	537.71	3.675	
17,800.00	7,705.00	17,655.92	7,797.16	275.18	264.90	93.23	-385.05	10,404.89	1,971.50	1,432.29	539.21	3.656	
17,900.00	7,705.00	17,701.76	7,796.08	277.86	266.13	93.21	-384.40	10,450.70	1,968.81	1,425.70	543.11	3.625	
17,938.12	7,705.00	17,716.58	7,795.73	278.88	266.52	93.20	-384.53	10,465.52	1,968.58	1,424.19	544.39	3.616	
18,000.00	7,705.00	17,740.64	7,795.19	280.53	267.17	93.18	-385.10	10,489.57	1,969.18	1,422.85	546.33	3.604	
18,100.00	7,705.00	17,802.14	7,794.00	283.21	268.82	93.14	-388.15	10,550.98	1,972.46	1,422.38	550.08	3.586	
18,120.90	7,705.00	17,824.99	7,793.72	283.77	269.43	93.13	-389.34	10,573.81	1,973.26	1,421.97	551.29	3.579 SF	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 11-12 1BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 1BH	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 10-T4S-R65W - EXIST HZ PROSPER FARMS 4-65 11-12 3CH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	97.39	-120.55	928.90	936.84					
100.00	100.00	83.43	83.43	0.13	0.21	97.39	-120.48	928.87	936.65	936.31	0.34	2,731.711		
106.58	106.58	89.57	89.57	0.16	0.23	89.80	-120.47	928.87	936.65	936.26	0.39	2,413.326 CC		
200.00	199.98	177.21	177.21	0.49	0.54	89.88	-120.26	929.19	936.95	935.92	1.03	907.740		
300.00	299.84	276.20	276.19	0.86	0.89	90.16	-120.02	929.89	937.62	935.88	1.75	537.086 ES		
400.00	399.45	376.15	376.14	1.23	1.25	90.66	-119.81	930.62	938.38	935.91	2.48	378.840		
500.00	498.70	475.05	475.04	1.63	1.60	91.36	-119.66	931.30	939.26	936.04	3.22	291.409		
600.00	597.47	572.87	572.85	2.04	1.95	92.26	-119.69	932.09	940.57	936.58	3.99	235.786		
700.00	695.62	672.04	672.02	2.49	2.30	93.37	-119.69	932.85	942.30	937.51	4.79	196.765		
800.00	793.09	769.93	769.91	2.97	2.65	94.66	-119.76	933.50	944.58	938.97	5.61	168.253		
900.00	890.37	867.69	867.67	3.46	3.00	96.03	-119.96	934.10	947.46	941.00	6.45	146.799		
1,000.00	987.65	966.26	966.24	3.96	3.35	97.40	-120.07	934.62	950.79	943.49	7.30	130.198		
1,100.00	1,084.94	1,062.72	1,062.70	4.47	3.70	98.72	-120.11	935.09	954.62	946.48	8.15	117.179		
1,200.00	1,182.22	1,159.88	1,159.85	4.98	4.04	100.04	-120.12	935.66	959.08	950.09	8.99	106.635		
1,300.00	1,279.50	1,256.66	1,256.64	5.49	4.39	101.35	-120.13	936.25	964.09	954.25	9.84	97.981		
1,400.00	1,376.78	1,353.77	1,353.74	6.00	4.74	102.65	-120.20	936.86	969.67	958.98	10.68	90.752		
1,500.00	1,474.06	1,451.15	1,451.12	6.51	5.09	103.93	-120.24	937.49	975.76	964.24	11.53	84.634		
1,600.00	1,571.34	1,548.46	1,548.43	7.02	5.44	105.20	-120.35	938.10	982.38	970.01	12.37	79.415		
1,700.00	1,668.62	1,648.34	1,648.30	7.54	5.79	106.50	-120.54	938.51	989.34	976.12	13.22	74.859		
1,800.00	1,765.90	1,747.06	1,747.03	8.05	6.14	107.77	-120.75	938.71	996.61	982.56	14.05	70.931		
1,900.00	1,863.18	1,845.87	1,845.83	8.57	6.48	109.03	-120.95	938.71	1,004.20	989.32	14.87	67.516		
2,000.00	1,960.46	1,943.35	1,943.32	9.09	6.81	110.25	-121.13	938.64	1,012.19	996.51	15.68	64.538		
2,100.00	2,057.74	2,040.45	2,040.42	9.60	7.14	111.45	-121.30	938.57	1,020.66	1,004.17	16.49	61.895		
2,200.00	2,155.03	2,137.58	2,137.54	10.12	7.48	112.63	-121.44	938.53	1,029.60	1,012.30	17.30	59.524		
2,300.00	2,252.31	2,234.86	2,234.83	10.64	7.82	113.78	-121.50	938.55	1,038.99	1,020.88	18.11	57.385		
2,400.00	2,349.59	2,333.17	2,333.14	11.15	8.16	114.92	-121.47	938.58	1,048.76	1,029.86	18.91	55.463		
2,500.00	2,446.87	2,430.31	2,430.28	11.67	8.49	116.03	-121.41	938.55	1,058.90	1,039.20	19.70	53.754		
2,600.00	2,544.15	2,527.73	2,527.70	12.19	8.82	117.12	-121.36	938.54	1,069.45	1,048.96	20.49	52.205		
2,700.00	2,641.43	2,624.74	2,624.71	12.71	9.15	118.19	-121.28	938.55	1,080.39	1,059.12	21.27	50.796		
2,800.00	2,738.71	2,721.03	2,720.99	13.23	9.49	119.22	-121.22	938.61	1,091.77	1,069.71	22.06	49.501		
2,900.00	2,835.99	2,817.96	2,817.93	13.74	9.83	120.25	-121.29	938.66	1,103.58	1,080.74	22.84	48.318		
3,000.00	2,933.27	2,917.03	2,916.99	14.26	10.17	121.28	-121.37	938.61	1,115.68	1,092.06	23.62	47.233		
3,100.00	3,030.55	3,014.10	3,014.07	14.78	10.51	122.26	-121.33	938.59	1,128.08	1,103.69	24.39	46.252		
3,200.00	3,127.83	3,111.88	3,111.85	15.30	10.84	123.23	-121.28	938.54	1,140.77	1,115.61	25.16	45.345		
3,300.00	3,225.12	3,208.55	3,208.52	15.82	11.18	124.17	-121.27	938.49	1,153.83	1,127.90	25.92	44.514		
3,400.00	3,322.40	3,307.83	3,307.79	16.34	11.52	125.11	-121.18	938.38	1,167.09	1,140.40	26.69	43.726		
3,500.00	3,419.68	3,404.10	3,404.07	16.85	11.85	126.00	-121.08	938.27	1,180.65	1,153.21	27.44	43.027		
3,600.00	3,516.96	3,500.96	3,500.93	17.37	12.18	126.88	-121.00	938.21	1,194.54	1,166.35	28.19	42.374		
3,700.00	3,614.24	3,598.10	3,598.07	17.89	12.52	127.74	-120.88	938.26	1,208.78	1,179.84	28.94	41.763		
3,800.00	3,711.52	3,697.14	3,697.10	18.41	12.87	128.59	-120.68	938.24	1,223.18	1,193.47	29.70	41.180		
3,900.00	3,808.80	3,794.70	3,794.67	18.93	13.20	129.42	-120.59	938.02	1,237.77	1,207.33	30.45	40.652		
4,000.00	3,906.08	3,891.15	3,891.12	19.45	13.53	130.23	-120.57	937.72	1,252.63	1,221.44	31.18	40.169		
4,100.00	4,003.36	3,986.42	3,986.39	19.97	13.86	131.00	-120.54	937.65	1,267.87	1,235.95	31.92	39.726		
4,200.00	4,100.64	4,082.81	4,082.78	20.49	14.20	131.76	-120.56	937.70	1,283.47	1,250.81	32.65	39.305		
4,300.00	4,197.92	4,180.40	4,180.37	21.00	14.54	132.52	-120.61	937.74	1,299.30	1,265.91	33.40	38.905		
4,400.00	4,295.20	4,277.47	4,277.44	21.52	14.89	133.25	-120.60	937.79	1,315.33	1,281.19	34.14	38.532		
4,500.00	4,392.49	4,374.84	4,374.81	22.04	15.23	133.96	-120.64	937.87	1,331.61	1,296.74	34.88	38.181		
4,600.00	4,489.77	4,472.96	4,472.92	22.56	15.57	134.67	-120.65	937.87	1,348.03	1,312.41	35.61	37.851		
4,700.00	4,587.05	4,570.43	4,570.39	23.08	15.91	135.35	-120.66	937.82	1,364.61	1,328.27	36.34	37.546		
4,800.00	4,684.33	4,667.06	4,667.03	23.60	16.25	136.01	-120.61	937.88	1,381.39	1,344.32	37.07	37.261		
4,900.00	4,781.61	4,764.39	4,764.36	24.12	16.59	136.66	-120.63	937.90	1,398.40	1,360.60	37.80	36.993		
5,000.00	4,878.89	4,862.44	4,862.40	24.64	16.93	137.31	-120.67	937.83	1,415.54	1,377.01	38.53	36.738		

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 11-12 1BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 1BH	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 10-T4S-R65W - EXIST HZ PROSPER FARMS 4-65 11-12 3CH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,976.17	4,959.33	4,959.29	25.16	17.27	137.92	-120.57	937.92	1,432.83	1,393.57	39.26	36.499		
5,200.00	5,073.45	5,056.46	5,056.42	25.68	17.62	138.52	-120.55	937.96	1,450.31	1,410.33	39.98	36.272		
5,300.00	5,170.73	5,155.45	5,155.41	26.19	17.97	139.12	-120.49	937.96	1,467.91	1,427.19	40.72	36.050		
5,400.00	5,268.01	5,255.96	5,255.93	26.71	18.32	139.74	-120.56	937.45	1,485.49	1,444.03	41.45	35.836		
5,500.00	5,365.29	5,366.70	5,366.60	27.23	18.69	140.51	-121.65	934.13	1,502.74	1,460.52	42.22	35.594		
5,600.00	5,462.58	5,501.61	5,501.05	27.75	19.16	141.65	-124.12	923.54	1,518.51	1,475.45	43.06	35.263		
5,700.00	5,559.86	5,620.58	5,619.04	28.27	19.56	142.82	-126.59	908.59	1,532.53	1,488.72	43.81	34.983		
5,800.00	5,657.14	5,709.43	5,706.91	28.79	19.87	143.75	-128.89	895.60	1,546.50	1,502.06	44.43	34.804		
5,900.00	5,754.42	5,787.21	5,783.66	29.31	20.14	144.59	-132.10	883.39	1,561.78	1,516.77	45.01	34.700		
6,000.00	5,851.70	5,857.13	5,852.69	29.83	20.39	145.34	-135.74	872.87	1,578.79	1,533.25	45.54	34.668		
6,100.00	5,948.98	5,928.00	5,922.64	30.35	20.64	146.09	-140.85	862.71	1,598.15	1,552.09	46.06	34.696		
6,200.00	6,046.26	6,025.13	6,018.38	30.87	20.99	147.12	-148.72	848.37	1,618.73	1,572.02	46.71	34.655		
6,300.00	6,143.54	6,125.80	6,117.17	31.39	21.36	148.24	-157.16	831.03	1,639.12	1,591.75	47.37	34.602		
6,400.00	6,240.82	6,250.64	6,238.64	31.91	21.83	149.77	-167.96	804.35	1,658.82	1,610.67	48.14	34.456		
6,500.00	6,338.10	6,336.44	6,321.26	32.42	22.16	150.91	-175.74	782.56	1,678.29	1,629.57	48.72	34.447		
6,600.00	6,435.38	6,400.00	6,382.17	32.94	22.41	151.77	-182.74	765.82	1,699.88	1,650.70	49.18	34.565		
6,700.00	6,532.66	6,451.79	6,431.62	33.46	22.62	152.48	-189.53	751.98	1,723.98	1,674.43	49.55	34.793		
6,800.00	6,629.95	6,508.87	6,485.85	33.98	22.86	153.27	-198.28	736.46	1,750.71	1,700.78	49.93	35.066		
6,900.00	6,727.23	6,576.54	6,549.81	34.50	23.14	154.22	-209.73	717.57	1,779.52	1,729.16	50.36	35.337		
7,000.00	6,824.51	6,637.46	6,606.96	35.02	23.41	155.09	-221.01	699.79	1,810.29	1,759.55	50.73	35.682		
7,100.00	6,921.79	6,700.59	6,665.47	35.54	23.69	156.02	-234.01	679.95	1,843.22	1,792.11	51.11	36.065		
7,200.00	7,019.07	6,782.82	6,740.89	36.06	24.08	157.27	-251.69	652.37	1,877.57	1,825.93	51.64	36.361		
7,300.00	7,116.35	6,865.66	6,816.00	36.58	24.49	158.55	-269.88	622.56	1,912.95	1,860.77	52.18	36.662		
7,400.00	7,213.50	6,960.97	6,901.60	37.10	24.98	159.83	-290.76	586.20	1,948.57	1,895.72	52.84	36.875		
7,500.00	7,308.63	7,050.85	6,982.02	37.62	25.47	112.58	-309.82	550.89	1,981.20	1,927.71	53.49	37.039		
7,600.00	7,398.87	7,094.41	7,021.04	38.14	25.71	98.97	-319.00	533.86	2,011.24	1,957.52	53.73	37.435		
7,700.00	7,481.47	7,127.18	7,050.56	38.64	25.89	90.89	-326.21	521.58	2,039.46	1,985.59	53.87	37.857		
7,800.00	7,553.92	7,154.00	7,074.81	39.13	26.04	85.51	-332.31	511.87	2,065.66	2,011.66	54.00	38.252		
7,900.00	7,614.02	7,154.00	7,074.81	39.62	26.04	81.05	-332.31	511.87	2,089.69	2,035.76	53.93	38.750		
8,000.00	7,659.94	7,154.00	7,074.81	40.13	26.04	77.72	-332.31	511.87	2,111.15	2,057.17	53.98	39.109		
8,100.00	7,690.28	7,154.00	7,074.81	40.68	26.04	75.29	-332.31	511.87	2,129.48	2,075.27	54.21	39.282		
8,200.00	7,704.13	7,154.00	7,074.81	41.29	26.04	73.66	-332.31	511.87	2,144.21	2,089.57	54.63	39.246		
8,300.00	7,705.00	7,125.22	7,048.79	41.99	25.88	72.58	-325.77	522.30	2,156.74	2,101.85	54.89	39.291		
8,400.00	7,705.00	7,095.66	7,022.17	42.83	25.72	71.84	-319.27	533.38	2,172.89	2,117.65	55.24	39.332		
8,500.00	7,705.00	7,065.83	6,995.41	43.83	25.55	71.11	-312.92	544.94	2,192.95	2,137.28	55.68	39.387		
8,600.00	7,705.00	7,020.63	6,954.99	44.99	25.30	70.00	-303.49	562.84	2,216.70	2,160.71	55.99	39.589		
8,700.00	7,705.00	6,976.25	6,915.27	46.30	25.06	68.92	-294.05	580.25	2,243.88	2,187.52	56.36	39.813		
8,800.00	7,705.00	6,937.21	6,880.30	47.76	24.86	67.97	-285.61	595.40	2,274.41	2,217.58	56.83	40.024		
8,900.00	7,705.00	6,896.82	6,834.13	49.34	24.69	67.11	-275.85	610.49	2,308.60	2,252.34	57.41	40.283		
9,000.00	7,705.00	6,857.09	6,793.09	51.04	24.54	66.30	-266.09	625.58	2,342.80	2,292.64	58.10	40.594		
9,100.00	7,705.00	6,817.36	6,753.36	52.84	24.41	65.54	-256.42	640.67	2,377.99	2,332.83	58.91	40.964		
9,200.00	7,705.00	6,777.63	6,713.63	54.74	24.30	64.83	-246.85	655.76	2,413.18	2,373.02	59.84	41.394		
9,300.00	7,705.00	6,737.90	6,669.90	56.71	24.21	64.16	-237.28	670.85	2,448.47	2,408.31	60.90	41.884		
9,400.00	7,705.00	6,698.17	6,631.17	58.75	24.14	63.53	-227.79	685.94	2,483.76	2,443.60	62.08	42.434		
9,500.00	7,705.00	6,658.44	6,583.44	60.84	24.08	62.94	-218.30	701.03	2,519.05	2,478.89	63.38	43.044		
9,600.00	7,705.00	6,618.71	6,543.71	63.00	24.02	62.39	-208.81	716.12	2,554.34	2,514.18	64.78	43.714		
9,700.00	7,705.00	6,579.00	6,504.00	65.19	24.00	61.88	-199.32	731.21	2,589.63	2,549.47	66.38	44.444		
9,727.08	7,705.00	6,468.51	6,393.51	65.80	24.00	61.41	-190.83	746.30	2,624.92	2,584.76	67.18	45.234		
9,800.00	7,705.00	6,428.78	6,354.28	67.43	23.99	61.00	-181.34	761.39	2,660.21	2,620.05	68.18	46.084		
9,900.00	7,705.00	6,389.05	6,314.05	69.71	23.99	60.63	-171.85	776.48	2,695.50	2,655.34	69.38	47.004		
9,900.40	7,705.00	6,349.32	6,274.32	69.72	23.99	60.29	-162.36	791.57	2,730.79	2,690.63	70.78	48.004		
10,000.00	7,705.00	6,309.59	6,234.59	72.01	23.99	60.00	-152.87	806.66	2,766.08	2,725.92	72.38	49.084		

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 11-12 1BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 1BH	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 10-T4S-R65W - EXIST HZ PROSPER FARMS 4-65 11-12 3CH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,100.00	7,705.00	9,765.88	7,793.68	74.35	59.51	92.70	-556.53	2,548.89	2,245.06	2,113.94	131.12	17.122		
10,200.00	7,705.00	9,794.00	7,793.28	76.71	60.17	92.69	-558.05	2,576.97	2,249.76	2,116.12	133.64	16.835		
10,300.00	7,705.00	9,861.10	7,792.19	79.10	61.78	92.66	-563.25	2,643.86	2,256.42	2,119.03	137.39	16.423		
10,400.00	7,705.00	10,181.36	7,789.17	81.50	69.57	92.56	-581.50	2,963.36	2,263.44	2,114.16	149.28	15.163		
10,500.00	7,705.00	10,333.86	7,787.94	83.93	73.33	92.54	-578.85	3,115.82	2,260.25	2,104.50	155.75	14.512		
10,600.00	7,705.00	10,454.01	7,787.36	86.37	76.30	92.53	-575.02	3,235.92	2,255.73	2,094.43	161.30	13.984		
10,700.00	7,705.00	10,514.03	7,787.28	88.83	77.80	92.53	-573.37	3,295.91	2,251.67	2,086.49	165.18	13.631		
10,800.00	7,705.00	10,578.33	7,786.87	91.30	79.41	92.52	-572.75	3,360.21	2,249.34	2,080.17	169.17	13.297		
10,900.00	7,705.00	10,650.58	7,786.45	93.78	81.23	92.51	-573.04	3,432.45	2,248.40	2,075.03	173.37	12.968		
11,000.00	7,705.00	10,764.18	7,785.75	96.28	84.10	92.49	-574.17	3,546.04	2,248.09	2,069.22	178.87	12.568		
11,100.00	7,705.00	10,908.70	7,784.98	98.79	87.77	92.48	-572.55	3,690.55	2,245.42	2,060.13	185.30	12.118		
11,200.00	7,705.00	10,966.71	7,784.52	101.31	89.25	92.47	-572.01	3,748.55	2,243.25	2,054.11	189.15	11.860		
11,248.00	7,705.00	10,990.53	7,784.28	102.52	89.85	92.46	-572.20	3,772.37	2,243.00	2,052.14	190.85	11.753		
11,300.00	7,705.00	11,020.00	7,783.92	103.84	90.61	92.45	-572.80	3,801.83	2,243.31	2,050.51	192.79	11.636		
11,400.00	7,705.00	11,090.44	7,782.96	106.37	92.42	92.42	-575.05	3,872.23	2,245.08	2,048.12	196.96	11.399		
11,500.00	7,705.00	11,174.66	7,781.80	108.92	94.58	92.39	-578.51	3,956.37	2,247.81	2,046.23	201.58	11.151		
11,600.00	7,705.00	11,250.51	7,781.03	111.47	96.54	92.37	-582.13	4,032.13	2,251.27	2,045.36	205.90	10.934		
11,700.00	7,705.00	11,322.94	7,780.27	114.03	98.41	92.35	-586.59	4,104.42	2,256.04	2,045.95	210.09	10.738		
11,800.00	7,705.00	11,800.00	7,779.12	116.59	110.78	92.31	-594.97	4,245.25	2,260.71	2,035.26	225.44	10.028		
11,900.00	7,705.00	11,597.56	7,778.24	119.16	105.53	92.29	-599.47	4,378.68	2,262.51	2,039.43	223.08	10.142		
12,000.00	7,705.00	11,719.51	7,777.45	121.74	108.71	92.26	-603.21	4,500.57	2,264.27	2,035.26	229.01	9.887		
12,100.00	7,705.00	11,917.41	7,776.08	124.32	113.86	92.23	-603.60	4,698.45	2,263.12	2,025.89	237.23	9.540		
12,200.00	7,705.00	12,175.17	7,774.14	126.91	120.53	92.20	-590.91	4,955.82	2,257.69	2,011.29	246.40	9.163		
12,300.00	7,705.00	12,247.00	7,773.63	129.50	122.38	92.19	-585.06	5,027.40	2,248.16	1,997.19	250.97	8.958		
12,400.00	7,705.00	12,290.65	7,773.37	132.10	123.52	92.19	-582.31	5,070.97	2,240.44	1,985.60	254.84	8.792		
12,500.00	7,705.00	12,342.00	7,773.09	134.70	124.85	92.18	-580.28	5,122.27	2,235.08	1,976.30	258.78	8.637		
12,600.00	7,705.00	12,402.19	7,772.74	137.30	126.43	92.18	-579.09	5,182.45	2,231.70	1,968.82	262.88	8.489		
12,700.00	7,705.00	12,436.00	7,772.49	139.91	127.31	92.17	-578.80	5,216.26	2,230.21	1,964.15	266.07	8.382		
12,742.17	7,705.00	12,466.17	7,772.22	141.01	128.10	92.16	-579.07	5,246.42	2,230.15	1,962.27	267.89	8.325		
12,800.00	7,705.00	12,485.38	7,772.01	142.52	128.61	92.16	-579.67	5,265.62	2,231.17	1,961.58	269.59	8.276		
12,900.00	7,705.00	12,862.62	7,766.29	145.13	138.47	92.02	-576.68	5,641.63	2,232.86	1,950.22	282.65	7.900		
13,000.00	7,705.00	12,907.00	7,765.41	147.75	139.62	92.00	-573.99	5,685.92	2,224.84	1,938.19	286.65	7.762		
13,100.00	7,705.00	12,907.00	7,765.41	150.37	139.62	92.00	-573.99	5,685.92	2,219.83	1,930.57	289.26	7.674		
13,200.00	7,705.00	12,953.26	7,764.45	152.99	140.83	91.98	-573.36	5,732.16	2,217.73	1,924.85	292.88	7.572		
13,210.96	7,705.00	12,956.58	7,764.39	153.28	140.92	91.97	-573.40	5,735.48	2,217.71	1,924.50	293.21	7.564		
13,300.00	7,705.00	13,002.00	7,763.47	155.62	142.12	91.95	-575.10	5,780.85	2,219.21	1,922.78	296.42	7.487		
13,400.00	7,705.00	13,002.00	7,763.47	158.24	142.12	91.95	-575.10	5,780.85	2,223.42	1,925.53	297.89	7.464		
13,500.00	7,705.00	13,049.03	7,762.57	160.87	143.36	91.92	-578.93	5,827.72	2,230.65	1,929.73	300.92	7.413		
13,600.00	7,705.00	13,096.00	7,761.73	163.50	144.60	91.90	-584.67	5,874.32	2,241.06	1,937.27	303.78	7.377		
13,700.00	7,705.00	13,132.53	7,761.14	166.14	145.56	91.88	-590.07	5,910.45	2,253.92	1,947.96	305.96	7.367		
13,800.00	7,705.00	13,515.87	7,755.81	168.78	155.70	91.72	-624.66	6,291.72	2,261.59	1,938.24	323.35	6.994		
13,900.00	7,705.00	13,679.59	7,753.45	171.41	160.04	91.66	-627.51	6,455.40	2,262.22	1,931.51	330.71	6.840		
14,000.00	7,705.00	13,754.87	7,752.18	174.05	162.04	91.63	-628.15	6,530.65	2,261.63	1,926.38	335.25	6.746		
14,036.35	7,705.00	13,784.44	7,751.66	175.01	162.82	91.61	-628.51	6,560.22	2,261.58	1,924.61	336.96	6.712		
14,100.00	7,705.00	13,836.01	7,750.86	176.69	164.19	91.59	-629.34	6,611.77	2,261.75	1,921.80	339.95	6.653		
14,200.00	7,705.00	13,916.78	7,749.74	179.34	166.34	91.56	-631.21	6,692.52	2,262.71	1,918.09	344.62	6.566		
14,300.00	7,705.00	14,026.03	7,748.17	181.98	169.24	91.52	-634.19	6,801.71	2,264.11	1,913.86	350.25	6.464		
14,400.00	7,705.00	14,120.24	7,746.95	184.63	171.75	91.49	-636.43	6,895.90	2,265.14	1,909.77	355.37	6.374		
14,500.00	7,705.00	14,216.13	7,746.17	187.28	174.30	91.47	-638.99	6,991.75	2,266.48	1,905.93	360.55	6.286		
14,600.00	7,705.00	14,278.92	7,745.74	189.93	175.97	91.46	-641.14	7,054.49	2,268.62	1,904.08	364.54	6.223		
14,700.00	7,705.00	14,351.74	7,744.85	192.58	177.92	91.43	-645.01	7,127.21	2,272.51	1,903.68	368.84	6.161		
14,800.00	7,705.00	14,503.42	7,742.81	195.23	181.96	91.38	-652.21	7,278.70	2,276.07	1,899.98	376.09	6.052		

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 11-12 1BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 1BH	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 10-T4S-R65W - EXIST HZ PROSPER FARMS 4-65 11-12 3CH - OWB - FINAL SURVEY											Offset Site Error:		0.00 usft
Survey Program: 25-MWD OWSG											Offset Well Error:		0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
14,900.00	7,705.00	14,641.44	7,740.88	197.88	185.64	91.33	-655.48	7,416.66	2,277.04	1,894.33	382.71	5.950	
15,000.00	7,705.00	14,745.63	7,739.75	200.53	188.41	91.30	-656.93	7,520.84	2,277.10	1,888.92	388.18	5.866	
15,100.00	7,705.00	14,855.13	7,738.54	203.19	191.33	91.27	-658.53	7,630.32	2,277.24	1,883.43	393.81	5.783	
15,200.00	7,705.00	15,056.46	7,736.96	205.85	196.69	91.23	-656.49	7,831.61	2,275.08	1,873.12	401.96	5.660	
15,300.00	7,705.00	15,182.95	7,735.88	208.50	200.04	91.21	-651.23	7,957.99	2,269.56	1,861.67	407.89	5.564	
15,400.00	7,705.00	15,255.05	7,735.26	211.16	201.95	91.20	-648.45	8,030.03	2,264.35	1,851.78	412.57	5.488	
15,500.00	7,705.00	15,329.33	7,734.65	213.82	203.92	91.18	-646.37	8,104.28	2,260.21	1,842.96	417.25	5.417	
15,600.00	7,705.00	15,405.17	7,734.09	216.48	205.94	91.17	-645.09	8,180.11	2,257.20	1,835.27	421.93	5.350	
15,700.00	7,705.00	15,492.12	7,733.18	219.14	208.25	91.15	-644.47	8,267.05	2,255.13	1,828.24	426.90	5.283	
15,800.00	7,705.00	15,597.19	7,732.18	221.80	211.05	91.12	-643.74	8,372.11	2,253.11	1,820.73	432.38	5.211	
15,900.00	7,705.00	15,711.93	7,731.32	224.47	214.11	91.10	-642.52	8,486.84	2,250.73	1,812.60	438.13	5.137	
16,000.00	7,705.00	15,823.29	7,730.28	227.13	217.08	91.08	-640.55	8,598.18	2,247.62	1,803.86	443.77	5.065	
16,100.00	7,705.00	15,916.92	7,729.45	229.79	219.57	91.06	-638.80	8,691.79	2,244.43	1,795.50	448.94	4.999	
16,200.00	7,705.00	16,039.41	7,728.28	232.46	222.83	91.03	-636.17	8,814.25	2,240.97	1,786.12	454.85	4.927	
16,300.00	7,705.00	16,119.56	7,727.55	235.13	224.97	91.01	-634.52	8,894.37	2,237.55	1,777.86	459.68	4.868	
16,400.00	7,705.00	16,219.86	7,726.67	237.79	227.64	90.99	-632.69	8,994.65	2,234.39	1,769.36	465.03	4.805	
16,500.00	7,705.00	16,304.00	7,725.95	240.46	229.89	90.97	-631.14	9,078.78	2,231.29	1,761.34	469.95	4.748	
16,600.00	7,705.00	16,373.95	7,725.34	243.13	231.75	90.96	-630.58	9,148.72	2,229.26	1,754.85	474.41	4.699	
16,665.38	7,705.00	16,414.68	7,724.97	244.87	232.84	90.95	-630.90	9,189.45	2,228.91	1,751.78	477.13	4.672	
16,700.00	7,705.00	16,437.37	7,724.77	245.80	233.45	90.95	-631.26	9,212.13	2,229.00	1,750.42	478.58	4.658	
16,800.00	7,705.00	16,506.38	7,724.17	248.46	235.30	90.93	-633.09	9,281.12	2,230.30	1,747.47	482.83	4.619	
16,900.00	7,705.00	16,598.24	7,723.39	251.13	237.76	90.91	-636.31	9,372.91	2,232.47	1,744.59	487.88	4.576	
17,000.00	7,705.00	16,701.03	7,722.49	253.80	240.51	90.88	-639.63	9,475.65	2,234.37	1,741.03	493.34	4.529	
17,100.00	7,705.00	16,760.43	7,721.69	256.47	242.11	90.86	-642.25	9,534.98	2,237.44	1,740.35	497.09	4.501	
17,200.00	7,705.00	16,868.14	7,720.25	259.15	244.99	90.82	-648.06	9,642.53	2,241.53	1,738.76	502.77	4.458	
17,300.00	7,705.00	16,913.31	7,719.83	261.82	246.20	90.81	-650.82	9,687.61	2,246.35	1,740.61	505.74	4.442	
17,400.00	7,705.00	16,964.00	7,719.15	264.49	247.56	90.79	-655.29	9,738.10	2,253.68	1,744.97	508.70	4.430	
17,500.00	7,705.00	17,008.11	7,718.46	267.16	248.74	90.78	-660.20	9,781.93	2,263.29	1,752.23	511.06	4.429	
17,600.00	7,705.00	17,600.00	7,714.75	269.84	264.60	90.68	-684.52	10,100.04	2,270.56	1,736.82	533.74	4.254	
17,700.00	7,705.00	17,461.57	7,713.59	272.51	260.89	90.65	-686.26	10,234.14	2,270.43	1,737.51	532.92	4.260	
17,800.00	7,705.00	17,653.86	7,711.74	275.18	266.03	90.60	-684.24	10,426.39	2,268.19	1,727.46	540.72	4.195	
17,900.00	7,705.00	17,765.88	7,710.65	277.86	269.01	90.57	-680.04	10,538.33	2,263.08	1,716.76	546.32	4.142	
18,000.00	7,705.00	17,858.05	7,709.75	280.53	271.47	90.55	-676.80	10,630.43	2,258.24	1,706.73	551.50	4.095	
18,100.00	7,705.00	17,906.00	7,709.36	283.21	272.75	90.54	-675.17	10,678.35	2,254.11	1,698.50	555.61	4.057	
18,120.90	7,705.00	17,906.00	7,709.36	283.77	272.75	90.54	-675.17	10,678.35	2,253.70	1,697.55	556.15	4.052 SF	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 11-12 1BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 1BH	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 10-T4S-R65W - EXIST HZ PROSPER FARMS 4-65 11-12 3DH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	99.77	-159.90	928.34	942.15					
100.00	100.00	85.27	85.27	0.13	0.22	99.76	-159.64	928.34	941.97	941.62	0.35	2,687.791		
134.28	134.28	118.71	118.71	0.26	0.34	92.16	-159.37	928.36	941.95	941.35	0.59	1,588.255 CC		
200.00	199.98	182.79	182.79	0.49	0.57	92.22	-158.90	928.47	942.03	940.97	1.06	890.325		
300.00	299.84	280.34	280.33	0.86	0.91	92.48	-158.25	928.83	942.50	940.73	1.77	532.355 ES		
400.00	399.45	379.22	379.21	1.23	1.27	92.94	-157.63	929.36	943.33	940.83	2.50	377.487		
500.00	498.70	478.99	478.98	1.63	1.62	93.61	-156.96	929.92	944.46	941.21	3.25	290.663		
600.00	597.47	578.54	578.53	2.04	1.98	94.48	-156.33	930.42	945.94	941.92	4.02	235.138		
700.00	695.62	677.81	677.79	2.49	2.34	95.55	-155.81	930.77	947.88	943.06	4.82	196.490		
800.00	793.09	775.53	775.51	2.97	2.69	96.79	-155.33	931.09	950.54	944.89	5.65	168.251		
900.00	890.37	874.22	874.20	3.46	3.04	98.13	-154.96	931.29	953.74	947.24	6.49	146.876		
1,000.00	987.65	972.14	972.11	3.96	3.39	99.45	-154.44	931.40	957.32	949.99	7.34	130.447		
1,100.00	1,084.94	1,069.44	1,069.42	4.47	3.74	100.74	-153.85	931.56	961.46	953.28	8.18	117.480		
1,200.00	1,182.22	1,168.01	1,167.98	4.98	4.09	102.04	-153.35	931.62	966.05	957.02	9.03	106.940		
1,300.00	1,279.50	1,266.53	1,266.50	5.49	4.44	103.33	-152.85	931.55	971.01	961.13	9.88	98.274		
1,400.00	1,376.78	1,364.71	1,364.68	6.00	4.79	104.61	-152.37	931.36	976.39	965.66	10.72	91.054		
1,500.00	1,474.06	1,463.10	1,463.07	6.51	5.14	105.88	-151.88	931.09	982.17	970.61	11.56	84.935		
1,600.00	1,571.34	1,559.34	1,559.31	7.02	5.48	107.11	-151.41	930.80	988.44	976.05	12.39	79.754		
1,700.00	1,668.62	1,656.00	1,655.96	7.54	5.81	108.34	-151.15	930.53	995.29	982.08	13.22	75.295		
1,800.00	1,765.90	1,755.30	1,755.27	8.05	6.16	109.59	-150.94	930.17	1,002.57	988.52	14.05	71.366		
1,900.00	1,863.18	1,853.04	1,853.01	8.57	6.50	110.80	-150.73	929.66	1,010.19	995.33	14.87	67.943		
2,000.00	1,960.46	1,949.88	1,949.85	9.09	6.84	112.00	-150.60	929.12	1,018.29	1,002.61	15.68	64.943		
2,100.00	2,057.74	2,047.03	2,047.00	9.60	7.17	113.17	-150.46	928.62	1,026.86	1,010.37	16.49	62.273		
2,200.00	2,155.03	2,143.94	2,143.90	10.12	7.51	114.32	-150.29	928.14	1,035.89	1,018.59	17.30	59.889		
2,300.00	2,252.31	2,236.89	2,236.85	10.64	7.84	115.40	-150.14	927.95	1,045.58	1,027.50	18.09	57.811		
2,400.00	2,349.59	2,333.79	2,333.75	11.15	8.18	116.50	-150.03	928.02	1,055.94	1,037.05	18.89	55.901		
2,500.00	2,446.87	2,429.49	2,429.45	11.67	8.51	117.57	-150.02	928.08	1,066.75	1,047.08	19.67	54.219		
2,600.00	2,544.15	2,527.99	2,527.95	12.19	8.84	118.66	-150.14	928.10	1,077.99	1,057.53	20.46	52.695		
2,700.00	2,641.43	2,626.54	2,626.50	12.71	9.18	119.73	-150.24	927.98	1,089.49	1,068.25	21.24	51.298		
2,800.00	2,738.71	2,723.12	2,723.07	13.23	9.51	120.75	-150.23	927.90	1,101.32	1,079.31	22.02	50.019		
2,900.00	2,835.99	2,819.90	2,819.86	13.74	9.86	121.74	-150.16	927.94	1,113.57	1,090.77	22.80	48.842		
3,000.00	2,933.27	2,916.03	2,915.99	14.26	10.19	122.71	-150.15	928.05	1,126.24	1,102.67	23.57	47.783		
3,100.00	3,030.55	3,016.23	3,016.19	14.78	10.54	123.70	-150.07	928.07	1,139.13	1,114.78	24.36	46.770		
3,200.00	3,127.83	3,112.56	3,112.51	15.30	10.89	124.63	-149.97	928.04	1,152.29	1,127.16	25.13	45.858		
3,300.00	3,225.12	3,210.13	3,210.09	15.82	11.23	125.55	-149.90	928.03	1,165.79	1,139.89	25.90	45.010		
3,400.00	3,322.40	3,309.73	3,309.69	16.34	11.59	126.47	-149.76	927.89	1,179.46	1,152.78	26.68	44.210		
3,500.00	3,419.68	3,406.51	3,406.46	16.85	11.93	127.34	-149.52	927.72	1,193.30	1,165.86	27.44	43.488		
3,600.00	3,516.96	3,500.02	3,499.98	17.37	12.26	128.16	-149.40	927.80	1,207.69	1,179.51	28.18	42.856		
3,700.00	3,614.24	3,598.15	3,598.11	17.89	12.60	129.00	-149.36	927.93	1,222.44	1,193.50	28.94	42.246		
3,800.00	3,711.52	3,699.52	3,699.48	18.41	12.96	129.85	-149.17	927.97	1,237.27	1,207.56	29.71	41.645		
3,900.00	3,808.80	3,803.51	3,803.47	18.93	13.33	130.70	-148.62	927.64	1,251.88	1,221.38	30.50	41.052		
4,000.00	3,906.08	3,896.76	3,896.71	19.45	13.65	131.45	-148.04	927.05	1,266.46	1,235.23	31.22	40.563		
4,100.00	4,003.36	3,986.94	3,986.90	19.97	13.97	132.16	-148.03	926.97	1,282.04	1,250.12	31.93	40.156		
4,200.00	4,100.64	4,084.71	4,084.66	20.49	14.30	132.90	-147.92	927.03	1,297.89	1,265.22	32.67	39.733		
4,300.00	4,197.92	4,180.15	4,180.10	21.00	14.63	133.62	-148.04	927.02	1,314.09	1,280.70	33.39	39.358		
4,400.00	4,295.20	4,278.81	4,278.76	21.52	14.97	134.34	-148.07	927.17	1,330.52	1,296.39	34.13	38.987		
4,500.00	4,392.49	4,378.28	4,378.23	22.04	15.32	135.05	-147.99	927.17	1,346.97	1,312.09	34.88	38.621		
4,600.00	4,489.77	4,476.25	4,476.20	22.56	15.67	135.73	-147.81	927.15	1,363.51	1,327.90	35.62	38.282		
4,700.00	4,587.05	4,572.20	4,572.15	23.08	16.01	136.38	-147.70	927.05	1,380.26	1,343.92	36.35	37.976		
4,800.00	4,684.33	4,668.60	4,668.55	23.60	16.35	137.02	-147.63	927.11	1,397.31	1,360.23	37.07	37.689		
4,900.00	4,781.61	4,766.05	4,766.00	24.12	16.69	137.66	-147.74	926.91	1,414.53	1,376.73	37.80	37.420		
5,000.00	4,878.89	4,861.52	4,861.47	24.64	17.02	138.30	-148.18	926.28	1,431.97	1,393.46	38.51	37.182		

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 11-12 1BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 1BH	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 10-T4S-R65W - EXIST HZ PROSPER FARMS 4-65 11-12 3DH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,976.17	4,960.15	4,960.10	25.16	17.37	138.90	-148.08	926.60	1,449.64	1,410.39	39.25	36.937		
5,200.00	5,073.45	5,058.15	5,058.09	25.68	17.71	139.48	-147.98	926.68	1,467.34	1,427.36	39.98	36.703		
5,300.00	5,170.73	5,152.98	5,152.93	26.19	18.04	140.05	-148.06	926.59	1,485.24	1,444.55	40.69	36.504		
5,400.00	5,268.01	5,239.43	5,239.37	26.71	18.34	140.59	-149.02	925.71	1,503.69	1,462.35	41.34	36.376		
5,500.00	5,365.29	5,322.29	5,322.15	27.23	18.62	141.19	-151.66	923.35	1,523.14	1,481.19	41.95	36.306		
5,600.00	5,462.58	5,405.27	5,404.83	27.75	18.90	141.89	-156.55	918.61	1,543.71	1,501.16	42.55	36.278		
5,700.00	5,559.86	5,490.87	5,489.80	28.27	19.19	142.72	-163.74	911.14	1,565.31	1,522.16	43.15	36.278		
5,800.00	5,657.14	5,583.45	5,581.12	28.79	19.51	143.74	-173.72	899.66	1,587.71	1,543.94	43.76	36.279		
5,900.00	5,754.42	5,684.21	5,680.04	29.31	19.86	144.92	-185.50	884.59	1,610.32	1,565.90	44.42	36.255		
6,000.00	5,851.70	5,776.03	5,769.91	29.83	20.19	146.02	-196.62	869.36	1,633.25	1,588.23	45.02	36.279		
6,100.00	5,948.98	5,855.18	5,847.51	30.35	20.48	146.91	-206.13	857.09	1,657.14	1,611.58	45.56	36.376		
6,200.00	6,046.26	5,928.00	5,919.00	30.87	20.74	147.69	-215.47	846.84	1,682.72	1,636.66	46.05	36.540		
6,300.00	6,143.54	5,996.07	5,985.76	31.39	20.99	148.41	-225.02	837.53	1,709.96	1,663.45	46.51	36.766		
6,400.00	6,240.82	6,066.16	6,054.27	31.91	21.25	149.16	-235.82	827.52	1,738.74	1,691.77	46.97	37.018		
6,500.00	6,338.10	6,132.73	6,119.07	32.42	21.50	149.89	-247.25	817.37	1,769.20	1,721.81	47.40	37.329		
6,600.00	6,435.38	6,195.60	6,179.97	32.94	21.74	150.59	-259.16	807.31	1,801.49	1,753.71	47.78	37.703		
6,700.00	6,532.66	6,264.05	6,246.01	33.46	22.01	151.35	-273.21	796.05	1,835.52	1,787.32	48.20	38.080		
6,800.00	6,629.95	6,333.56	6,312.92	33.98	22.29	152.12	-288.19	784.62	1,870.97	1,822.34	48.63	38.475		
6,900.00	6,727.23	6,401.82	6,378.39	34.50	22.56	152.86	-303.71	773.12	1,907.84	1,858.80	49.04	38.903		
7,000.00	6,824.51	6,476.57	6,449.81	35.02	22.87	153.68	-321.47	760.00	1,945.94	1,896.43	49.51	39.304		
7,100.00	6,921.79	6,545.34	6,515.19	35.54	23.16	154.44	-338.50	747.18	1,985.19	1,935.26	49.92	39.764		
7,200.00	7,019.07	6,614.80	6,580.74	36.06	23.47	155.22	-356.63	733.10	2,025.76	1,975.42	50.34	40.240		
7,300.00	7,116.35	6,690.03	6,651.29	36.58	23.81	156.09	-376.94	716.65	2,067.37	2,016.56	50.81	40.685		
7,400.00	7,213.50	6,765.74	6,721.54	37.10	24.16	156.80	-398.05	697.98	2,109.24	2,057.95	51.29	41.122		
7,500.00	7,308.63	6,842.26	6,811.86	37.62	24.65	157.48	-425.79	670.11	2,147.35	2,095.35	52.00	41.297		
7,600.00	7,398.87	6,940.78	6,881.28	38.14	25.04	158.15	-446.97	645.85	2,180.76	2,128.24	52.52	41.524		
7,700.00	7,481.47	6,988.14	6,923.76	38.64	25.30	158.77	-460.06	629.50	2,210.25	2,157.46	52.79	41.869		
7,800.00	7,553.92	7,015.60	6,948.16	39.13	25.45	159.24	-467.76	619.54	2,236.33	2,183.41	52.92	42.259		
7,900.00	7,614.02	7,030.47	6,961.30	39.62	25.53	159.66	-471.98	614.00	2,258.91	2,205.89	53.01	42.610		
8,000.00	7,659.94	7,033.67	6,964.12	40.13	25.55	159.99	-472.89	612.79	2,277.72	2,224.60	53.13	42.875		
8,100.00	7,690.28	7,026.36	6,957.68	40.68	25.51	160.22	-470.81	615.54	2,292.37	2,239.07	53.30	43.007		
8,200.00	7,704.13	7,009.82	6,943.04	41.29	25.42	160.36	-466.13	621.67	2,302.35	2,248.77	53.57	42.977		
8,300.00	7,705.00	6,987.30	6,923.01	41.99	25.29	160.56	-459.83	629.80	2,309.32	2,255.37	53.95	42.808		
8,400.00	7,705.00	6,964.00	6,902.16	42.83	25.16	160.71	-453.37	637.96	2,319.77	2,265.35	54.42	42.627		
8,500.00	7,705.00	6,939.09	6,879.75	43.83	25.03	160.84	-446.51	646.41	2,334.11	2,279.15	54.97	42.464		
8,600.00	7,705.00	6,913.84	6,856.95	44.99	24.90	160.94	-439.53	654.69	2,352.26	2,296.68	55.58	42.325		
8,700.00	7,705.00	6,890.29	6,835.58	46.30	24.78	161.00	-433.02	662.15	2,374.15	2,317.90	56.26	42.202		
8,800.00	7,705.00	6,867.89	6,815.18	47.76	24.66	161.03	-426.80	669.01	2,399.73	2,342.74	56.99	42.109		
8,900.00	7,705.00	6,842.69	6,792.16	49.34	24.54	161.06	-419.78	676.50	2,428.85	2,371.15	57.71	42.089		
9,000.00	7,705.00	6,818.93	6,770.42	51.04	24.42	161.06	-413.12	683.35	2,461.42	2,402.96	58.45	42.110		
9,100.00	7,705.00	6,796.51	6,749.84	52.84	24.31	161.06	-406.79	689.64	2,497.30	2,438.09	59.21	42.177		
9,200.00	7,705.00	6,776.00	6,731.00	54.74	24.21	161.06	-400.96	695.24	2,536.38	2,476.41	59.98	42.287		
9,300.00	7,705.00	6,776.00	6,731.00	56.71	24.21	161.06	-400.96	695.24	2,578.66	2,517.67	60.99	42.280		
9,400.00	7,705.00	6,749.22	6,706.29	58.75	24.08	161.06	-393.38	702.29	2,623.78	2,562.15	61.64	42.569		
9,500.00	7,705.00	9,134.00	7,880.96	60.84	42.95	161.06	-927.43	1,793.01	2,638.83	2,539.56	99.27	26.583		
9,600.00	7,705.00	9,493.64	7,876.59	63.00	50.57	161.06	-941.15	2,152.09	2,637.97	2,527.59	110.38	23.899		
9,675.88	7,705.00	9,536.82	7,876.07	64.66	51.53	161.06	-941.47	2,195.27	2,637.48	2,524.48	113.00	23.341		
9,700.00	7,705.00	9,549.96	7,875.89	65.19	51.82	161.06	-941.68	2,208.41	2,637.53	2,523.71	113.82	23.173		
9,800.00	7,705.00	9,605.00	7,874.97	67.43	53.05	161.06	-943.18	2,263.42	2,638.81	2,521.58	117.23	22.509		
9,900.00	7,705.00	9,734.58	7,872.50	69.71	56.02	161.06	-946.74	2,392.92	2,640.04	2,517.33	122.71	21.514		
10,000.00	7,705.00	10,000.00	7,870.34	72.01	62.21	161.06	-949.24	2,521.05	2,640.57	2,509.14	131.43	20.091		
10,100.00	7,705.00	10,019.78	7,867.75	74.35	62.70	161.06	-948.33	2,678.04	2,638.09	2,503.55	134.54	19.608		

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 11-12 1BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 1BH	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 10-T4S-R65W - EXIST HZ PROSPER FARMS 4-65 11-12 3DH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,200.00	7,705.00	10,101.88	7,866.24	76.71	64.65	93.86	-948.25	2,760.13	2,636.49	2,497.59	138.91	18.980		
10,300.00	7,705.00	10,222.31	7,863.91	79.10	67.55	93.81	-947.06	2,880.53	2,633.98	2,489.64	144.34	18.248		
10,400.00	7,705.00	10,291.64	7,862.70	81.50	69.24	93.78	-946.78	2,949.85	2,632.17	2,483.75	148.43	17.734		
10,500.00	7,705.00	10,594.70	7,860.53	83.93	76.65	93.75	-939.17	3,252.60	2,630.65	2,472.04	158.61	16.586		
10,600.00	7,705.00	10,658.95	7,860.37	86.37	78.22	93.76	-934.72	3,316.69	2,622.43	2,459.72	162.71	16.117		
10,700.00	7,705.00	10,719.01	7,860.30	88.83	79.70	93.76	-931.45	3,376.67	2,615.67	2,448.96	166.71	15.690		
10,800.00	7,705.00	10,776.12	7,860.30	91.30	81.12	93.77	-929.21	3,433.73	2,610.47	2,439.85	170.62	15.300		
10,900.00	7,705.00	10,831.00	7,860.32	93.78	82.49	93.77	-927.98	3,488.60	2,606.94	2,432.49	174.45	14.944		
11,000.00	7,705.00	10,875.89	7,860.35	96.28	83.63	93.77	-927.83	3,533.49	2,605.34	2,427.37	177.97	14.640		
11,024.68	7,705.00	10,886.76	7,860.36	96.90	83.90	93.77	-927.95	3,544.36	2,605.27	2,426.45	178.82	14.569		
11,100.00	7,705.00	10,925.00	7,860.40	98.79	84.86	93.77	-928.80	3,582.59	2,605.89	2,424.35	181.55	14.354		
11,200.00	7,705.00	10,993.39	7,860.52	101.31	86.60	93.77	-931.23	3,650.94	2,608.07	2,422.39	185.68	14.046		
11,300.00	7,705.00	11,296.45	7,861.17	103.84	94.31	93.79	-930.71	3,953.89	2,606.18	2,409.61	196.57	13.258		
11,400.00	7,705.00	11,482.40	7,860.32	106.37	99.03	93.79	-920.42	4,139.54	2,599.28	2,395.47	203.81	12.753		
11,500.00	7,705.00	11,563.18	7,859.34	108.92	101.08	93.78	-914.90	4,220.12	2,591.09	2,382.61	208.48	12.428		
11,600.00	7,705.00	11,668.59	7,857.79	111.47	103.76	93.76	-908.27	4,325.31	2,583.43	2,369.68	213.75	12.086		
11,700.00	7,705.00	11,729.22	7,856.73	114.03	105.31	93.74	-904.66	4,385.83	2,576.13	2,358.18	217.95	11.820		
11,800.00	7,705.00	11,788.09	7,856.05	116.59	106.82	93.73	-902.22	4,444.64	2,570.56	2,348.50	222.06	11.576		
11,900.00	7,705.00	11,869.00	7,855.17	119.16	108.91	93.72	-899.76	4,525.51	2,566.13	2,339.40	226.74	11.318		
12,000.00	7,705.00	11,913.23	7,854.61	121.74	110.06	93.71	-899.06	4,569.73	2,563.14	2,332.75	230.39	11.125		
12,099.34	7,705.00	11,963.00	7,853.93	124.30	111.35	93.69	-899.37	4,619.49	2,562.27	2,328.18	234.10	10.945		
12,100.00	7,705.00	11,963.00	7,853.93	124.32	111.35	93.69	-899.37	4,619.49	2,562.27	2,328.16	234.11	10.945		
12,200.00	7,705.00	12,029.28	7,852.83	126.91	113.08	93.67	-900.87	4,685.74	2,563.07	2,324.79	238.28	10.756		
12,300.00	7,705.00	12,137.16	7,850.96	129.50	115.89	93.62	-903.96	4,793.57	2,564.53	2,320.77	243.76	10.521		
12,400.00	7,705.00	12,205.36	7,850.20	132.10	117.68	93.60	-905.90	4,861.73	2,566.05	2,318.07	247.98	10.348		
12,500.00	7,705.00	12,280.25	7,849.38	134.70	119.64	93.58	-909.20	4,936.54	2,569.01	2,316.62	252.39	10.179		
12,600.00	7,705.00	12,453.38	7,846.20	137.30	124.18	93.50	-915.55	5,109.52	2,571.55	2,311.56	259.99	9.891		
12,700.00	7,705.00	12,502.82	7,845.51	139.91	125.48	93.49	-917.22	5,158.92	2,573.23	2,309.59	263.64	9.760		
12,800.00	7,705.00	12,907.00	7,838.18	142.52	136.00	93.35	-903.51	5,562.22	2,564.55	2,287.52	277.03	9.257		
12,900.00	7,705.00	12,907.00	7,838.18	145.13	136.00	93.35	-903.51	5,562.22	2,557.05	2,277.07	279.99	9.133		
13,000.00	7,705.00	12,962.90	7,837.20	147.75	137.46	93.33	-900.65	5,618.03	2,551.33	2,267.23	284.11	8.980		
13,100.00	7,705.00	13,001.00	7,836.51	150.37	138.45	93.32	-900.42	5,656.12	2,548.95	2,261.31	287.64	8.862		
13,135.89	7,705.00	13,001.00	7,836.51	151.31	138.45	93.32	-900.42	5,656.12	2,548.70	2,260.24	288.45	8.836		
13,200.00	7,705.00	13,001.00	7,836.51	152.99	138.45	93.32	-900.42	5,656.12	2,549.50	2,259.73	289.77	8.798		
13,300.00	7,705.00	13,058.72	7,835.37	155.62	139.98	93.29	-902.40	5,713.78	2,552.07	2,258.48	293.60	8.692		
13,400.00	7,705.00	13,096.00	7,834.54	158.24	140.96	93.27	-905.02	5,750.97	2,557.53	2,260.96	296.58	8.624		
13,500.00	7,705.00	13,155.11	7,833.27	160.87	142.52	93.24	-910.35	5,809.82	2,565.04	2,264.77	300.27	8.542		
13,600.00	7,705.00	13,472.03	7,827.65	163.50	150.91	93.09	-926.86	6,126.06	2,568.45	2,255.24	313.21	8.200		
13,608.47	7,705.00	13,480.16	7,827.51	163.73	151.13	93.09	-926.95	6,134.19	2,568.43	2,254.78	313.65	8.189		
13,700.00	7,705.00	13,511.78	7,827.02	166.14	151.96	93.08	-927.77	6,165.79	2,569.37	2,252.78	316.59	8.116		
13,800.00	7,705.00	13,567.00	7,826.32	168.78	153.43	93.06	-930.62	6,220.93	2,572.79	2,252.43	320.36	8.031		
13,900.00	7,705.00	13,780.60	7,824.21	171.41	159.09	93.01	-938.83	6,434.31	2,576.22	2,246.85	329.37	7.822		
13,941.43	7,705.00	13,807.65	7,824.08	172.51	159.81	93.01	-939.12	6,461.35	2,576.10	2,244.97	331.13	7.780		
14,000.00	7,705.00	13,850.00	7,823.85	174.05	160.93	93.00	-939.87	6,503.70	2,576.34	2,242.60	333.73	7.720		
14,100.00	7,705.00	13,911.76	7,823.30	176.69	162.57	92.99	-941.63	6,565.43	2,577.78	2,239.97	337.80	7.631		
14,200.00	7,705.00	14,034.45	7,821.47	179.34	165.83	92.94	-945.93	6,688.03	2,580.00	2,236.14	343.86	7.503		
14,300.00	7,705.00	14,236.26	7,818.01	181.98	171.19	92.87	-947.41	6,889.80	2,579.42	2,227.22	352.19	7.324		
14,400.00	7,705.00	14,393.54	7,815.43	184.63	175.34	92.82	-942.50	7,046.97	2,574.52	2,215.56	358.96	7.172		
14,500.00	7,705.00	14,417.00	7,814.90	187.28	175.96	92.81	-941.69	7,070.41	2,570.73	2,208.45	362.28	7.096		
14,600.00	7,705.00	14,475.60	7,813.48	189.93	177.51	92.78	-941.00	7,128.98	2,568.73	2,202.34	366.39	7.011		
14,613.83	7,705.00	14,480.27	7,813.36	190.29	177.64	92.78	-941.06	7,133.65	2,568.70	2,201.85	366.85	7.002		
14,700.00	7,705.00	14,511.00	7,812.58	192.58	178.45	92.76	-941.86	7,164.36	2,569.66	2,200.02	369.65	6.952		

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 11-12 1BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 1BH	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 10-T4S-R65W - EXIST HZ PROSPER FARMS 4-65 11-12 3DH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,800.00	7,705.00	14,511.00	7,812.58	195.23	178.45	92.76	-941.86	7,164.36	2,573.76	2,202.44	371.32	6.931		
14,900.00	7,705.00	15,033.95	7,805.27	197.88	192.21	92.60	-942.76	7,684.20	2,576.40	2,188.23	388.17	6.637		
15,000.00	7,705.00	15,077.00	7,804.84	200.53	193.33	92.59	-939.57	7,727.13	2,567.42	2,174.94	392.49	6.541		
15,100.00	7,705.00	15,104.99	7,804.54	203.19	194.07	92.59	-938.20	7,755.08	2,560.86	2,164.57	396.30	6.462		
15,200.00	7,705.00	15,141.02	7,804.19	205.85	195.02	92.58	-937.24	7,791.10	2,556.83	2,156.80	400.03	6.392		
15,300.00	7,705.00	15,171.00	7,803.93	208.50	195.82	92.58	-937.12	7,821.07	2,555.32	2,151.97	403.35	6.335		
15,325.14	7,705.00	15,191.25	7,803.76	209.17	196.36	92.57	-937.33	7,841.32	2,555.27	2,150.73	404.54	6.317		
15,400.00	7,705.00	15,227.28	7,803.49	211.16	197.32	92.57	-938.15	7,877.34	2,555.94	2,148.67	407.27	6.276		
15,500.00	7,705.00	15,285.49	7,803.12	213.82	198.87	92.56	-940.53	7,935.50	2,558.59	2,147.43	411.15	6.223		
15,600.00	7,705.00	15,394.29	7,802.31	216.48	201.78	92.54	-945.53	8,044.18	2,561.84	2,145.03	416.81	6.146		
15,700.00	7,705.00	15,590.19	7,801.31	219.14	207.02	92.51	-950.86	8,240.00	2,563.52	2,138.24	425.28	6.028		
15,800.00	7,705.00	15,749.32	7,800.08	221.80	211.25	92.49	-949.44	8,399.11	2,561.12	2,128.87	432.25	5.925		
15,900.00	7,705.00	15,865.67	7,798.91	224.47	214.35	92.46	-946.78	8,515.42	2,557.44	2,119.45	438.00	5.839		
16,000.00	7,705.00	15,948.23	7,798.07	227.13	216.54	92.45	-945.07	8,597.96	2,554.03	2,111.14	442.89	5.767		
16,100.00	7,705.00	16,027.65	7,797.40	229.79	218.66	92.44	-944.04	8,677.37	2,551.38	2,103.70	447.68	5.699		
16,200.00	7,705.00	16,115.88	7,796.61	232.46	221.01	92.42	-943.45	8,765.60	2,549.36	2,096.66	452.70	5.631		
16,300.00	7,705.00	16,215.77	7,795.53	235.13	223.67	92.40	-943.06	8,865.48	2,547.61	2,089.57	458.04	5.562		
16,400.00	7,705.00	16,342.82	7,791.29	237.79	227.06	92.30	-941.78	8,992.44	2,545.12	2,081.00	464.13	5.484		
16,500.00	7,705.00	16,422.38	7,789.90	240.46	229.18	92.27	-940.67	9,071.99	2,542.42	2,073.50	468.93	5.422		
16,600.00	7,705.00	16,474.59	7,789.51	243.13	230.57	92.27	-940.80	9,124.19	2,541.32	2,068.44	472.88	5.374		
16,622.76	7,705.00	16,493.00	7,789.42	243.73	231.07	92.26	-941.07	9,142.60	2,541.35	2,067.39	473.96	5.362		
16,700.00	7,705.00	16,532.36	7,789.21	245.80	232.12	92.26	-941.99	9,181.95	2,542.02	2,065.16	476.86	5.331		
16,800.00	7,705.00	16,587.00	7,788.88	248.46	233.58	92.25	-943.92	9,236.55	2,544.30	2,063.70	480.60	5.294		
16,900.00	7,705.00	16,661.42	7,788.45	251.13	235.58	92.24	-947.57	9,310.88	2,547.93	2,062.96	484.98	5.254		
17,000.00	7,705.00	16,733.91	7,788.08	253.80	237.52	92.23	-952.06	9,383.23	2,552.78	2,063.55	489.23	5.218		
17,100.00	7,705.00	16,808.54	7,787.69	256.47	239.52	92.21	-957.42	9,457.67	2,558.63	2,065.11	493.52	5.184		
17,200.00	7,705.00	16,897.19	7,787.25	259.15	241.90	92.20	-964.63	9,546.02	2,565.40	2,067.02	498.38	5.147		
17,300.00	7,705.00	17,010.89	7,786.66	261.82	244.95	92.18	-973.20	9,659.40	2,571.57	2,067.23	504.34	5.099		
17,400.00	7,705.00	17,092.31	7,785.85	264.49	247.14	92.16	-979.64	9,740.55	2,578.14	2,069.24	508.89	5.066		
17,500.00	7,705.00	17,183.20	7,784.89	267.16	249.57	92.13	-987.51	9,831.10	2,585.42	2,071.57	513.85	5.031		
17,600.00	7,705.00	17,318.07	7,784.51	269.84	253.19	92.12	-998.27	9,965.54	2,592.10	2,071.36	520.74	4.978		
17,700.00	7,705.00	17,672.86	7,783.05	272.51	262.70	92.08	-1,009.74	10,319.98	2,596.25	2,061.85	534.40	4.858		
17,800.00	7,705.00	17,812.00	7,782.52	275.18	266.40	92.07	-1,003.76	10,458.98	2,590.24	2,049.68	540.56	4.792		
17,900.00	7,705.00	17,870.68	7,782.10	277.86	267.96	92.07	-1,001.39	10,517.61	2,585.20	2,040.16	545.04	4.743		
18,000.00	7,705.00	17,907.00	7,781.91	280.53	268.93	92.06	-1,000.84	10,553.93	2,582.53	2,033.75	548.78	4.706		
18,100.00	7,705.00	17,986.00	7,781.61	283.21	271.05	92.06	-1,001.23	10,632.92	2,581.67	2,028.14	553.53	4.664		
18,113.59	7,705.00	17,986.00	7,781.61	283.57	271.05	92.06	-1,001.23	10,632.92	2,581.64	2,027.78	553.85	4.661		
18,120.90	7,705.00	17,988.34	7,781.61	283.77	271.11	92.06	-1,001.26	10,635.26	2,581.64	2,027.55	554.09	4.659 SF		

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 11-12 1BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 1BH	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 10-T4S-R65W - EXIST HZ SKY RANCH 4-65 9-10 1H - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 2126-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	2.86	2,220.95	110.83	2,223.74					
100.00	100.00	88.85	88.85	0.13	0.16	2.86	2,220.95	110.83	2,223.71	2,223.42	0.29	7,618.436		
200.00	199.98	188.67	188.67	0.49	0.33	-4.74	2,220.96	110.84	2,221.98	2,221.15	0.83	2,675.871		
300.00	299.84	288.36	288.36	0.86	0.51	-4.76	2,220.98	110.86	2,216.79	2,215.41	1.38	1,611.265		
400.00	399.45	387.81	387.81	1.23	0.69	-4.79	2,221.00	110.88	2,208.13	2,206.21	1.92	1,149.129		
500.00	498.70	486.90	486.90	1.63	0.86	-4.84	2,221.03	110.91	2,196.02	2,193.55	2.47	889.595		
600.00	597.47	585.51	585.51	2.04	1.04	-4.90	2,221.07	110.94	2,180.47	2,177.45	3.02	722.648		
700.00	695.62	683.52	683.52	2.49	1.21	-4.98	2,221.11	110.99	2,161.50	2,157.93	3.57	605.750		
800.00	793.09	780.84	780.84	2.97	1.38	-5.05	2,221.17	111.03	2,139.30	2,135.18	4.12	518.669		
900.00	890.37	877.99	877.99	3.46	1.56	-5.11	2,221.22	111.09	2,116.29	2,111.62	4.67	453.563		
1,000.00	987.65	975.13	975.13	3.96	1.73	-5.16	2,221.29	111.15	2,093.28	2,088.07	5.21	401.710		
1,100.00	1,084.94	1,072.28	1,072.28	4.47	1.90	-5.22	2,221.36	111.22	2,070.28	2,064.52	5.76	359.513		
1,200.00	1,182.22	1,169.43	1,169.43	4.98	2.07	-5.27	2,221.44	111.29	2,047.30	2,040.99	6.31	324.545		
1,300.00	1,279.50	1,266.59	1,266.59	5.49	2.24	-5.33	2,221.52	111.37	2,024.32	2,017.46	6.86	295.118		
1,400.00	1,376.78	1,363.75	1,363.75	6.00	2.42	-5.39	2,221.61	111.46	2,001.35	1,993.94	7.41	270.026		
1,500.00	1,474.06	1,460.91	1,460.91	6.51	2.59	-5.45	2,221.71	111.55	1,978.39	1,970.42	7.96	248.386		
1,600.00	1,571.34	1,558.08	1,558.08	7.02	2.76	-5.51	2,221.82	111.65	1,955.43	1,946.92	8.52	229.536		
1,700.00	1,668.62	1,655.25	1,655.25	7.54	2.93	-5.58	2,221.93	111.75	1,932.49	1,923.42	9.07	212.975		
1,800.00	1,765.90	1,752.42	1,752.42	8.05	3.11	-5.64	2,222.05	111.86	1,909.56	1,899.93	9.63	198.310		
1,900.00	1,863.18	1,849.60	1,849.60	8.57	3.28	-5.71	2,222.17	111.98	1,886.64	1,876.45	10.18	185.237		
2,000.00	1,960.46	1,946.78	1,946.78	9.09	3.45	-5.77	2,222.31	112.11	1,863.72	1,852.98	10.74	173.511		
2,100.00	2,057.74	2,043.96	2,043.96	9.60	3.62	-5.84	2,222.44	112.24	1,840.82	1,829.52	11.30	162.934		
2,200.00	2,155.03	2,141.15	2,141.15	10.12	3.79	-5.91	2,222.59	112.38	1,817.92	1,806.07	11.85	153.347		
2,300.00	2,252.31	2,234.21	2,234.21	10.64	4.15	-5.99	2,222.87	112.33	1,795.17	1,782.57	12.60	142.509		
2,400.00	2,349.59	2,341.53	2,341.52	11.15	4.52	-6.09	2,223.31	111.92	1,772.54	1,759.20	13.35	132.806		
2,500.00	2,446.87	2,471.40	2,471.36	11.67	4.95	-6.25	2,221.54	110.11	1,748.05	1,733.91	14.13	123.683		
2,600.00	2,544.15	2,566.20	2,566.13	12.19	5.27	-6.40	2,219.63	108.23	1,723.02	1,708.18	14.83	116.150		
2,700.00	2,641.43	2,663.28	2,663.17	12.71	5.59	-6.56	2,217.87	106.04	1,698.19	1,682.64	15.54	109.244		
2,800.00	2,738.71	2,759.06	2,758.91	13.23	5.92	-6.73	2,216.07	103.78	1,673.30	1,657.04	16.26	102.935		
2,900.00	2,835.99	2,843.14	2,842.96	13.74	6.20	-6.87	2,214.78	102.16	1,648.78	1,631.83	16.94	97.307		
3,000.00	2,933.27	2,926.57	2,926.38	14.26	6.49	-6.97	2,214.26	101.50	1,625.16	1,607.52	17.64	92.155		
3,100.00	3,030.55	3,020.67	3,020.48	14.78	6.82	-7.05	2,214.24	102.11	1,602.15	1,583.79	18.35	87.290		
3,200.00	3,127.83	3,116.51	3,116.32	15.30	7.15	-7.11	2,214.11	103.11	1,579.03	1,559.95	19.08	82.759		
3,300.00	3,225.12	3,210.19	3,209.99	15.82	7.48	-7.17	2,214.30	104.16	1,556.25	1,536.45	19.80	78.588		
3,400.00	3,322.40	3,314.98	3,314.78	16.34	7.85	-7.27	2,214.42	104.77	1,533.38	1,512.84	20.55	74.630		
3,500.00	3,419.68	3,419.87	3,419.66	16.85	8.21	-7.41	2,213.87	104.09	1,509.89	1,488.60	21.28	70.941		
3,600.00	3,516.96	3,509.70	3,509.49	17.37	8.52	-7.55	2,213.34	103.23	1,486.34	1,464.35	21.99	67.581		
3,700.00	3,614.24	3,598.08	3,597.87	17.89	8.83	-7.68	2,213.43	102.90	1,463.47	1,440.76	22.71	64.455		
3,800.00	3,711.52	3,692.94	3,692.72	18.41	9.16	-7.79	2,213.93	103.14	1,441.01	1,417.58	23.43	61.494		
3,900.00	3,808.80	3,789.86	3,789.64	18.93	9.50	-7.89	2,214.45	103.68	1,418.58	1,394.42	24.17	58.700		
4,000.00	3,906.08	3,882.66	3,882.43	19.45	9.83	-7.99	2,215.10	104.34	1,396.31	1,371.42	24.89	56.090		
4,100.00	4,003.36	3,978.71	3,978.48	19.97	10.17	-8.09	2,216.09	105.10	1,374.37	1,348.74	25.63	53.628		
4,200.00	4,100.64	4,072.18	4,071.94	20.49	10.50	-8.19	2,217.11	105.74	1,352.49	1,326.13	26.36	51.311		
4,300.00	4,197.92	4,186.98	4,186.73	21.00	10.90	-8.33	2,218.20	106.33	1,330.53	1,303.42	27.12	49.069		
4,400.00	4,295.20	4,295.44	4,295.18	21.52	11.28	-8.54	2,217.66	105.44	1,307.12	1,279.27	27.85	46.929		
4,500.00	4,392.49	4,390.88	4,390.61	22.04	11.60	-8.74	2,216.91	104.34	1,283.46	1,254.88	28.58	44.910		
4,600.00	4,489.77	4,482.85	4,482.59	22.56	11.92	-8.92	2,216.44	103.76	1,260.07	1,230.76	29.30	43.004		
4,700.00	4,587.05	4,588.83	4,588.56	23.08	12.28	-9.12	2,215.75	103.33	1,236.56	1,206.52	30.04	41.169		
4,800.00	4,684.33	4,694.12	4,693.84	23.60	12.65	-9.32	2,214.16	102.99	1,212.20	1,181.43	30.77	39.397		
4,900.00	4,781.61	4,782.22	4,781.93	24.12	12.95	-9.49	2,212.99	102.99	1,188.05	1,156.55	31.50	37.722		
5,000.00	4,878.89	4,870.56	4,870.27	24.64	13.26	-9.64	2,212.50	103.45	1,164.63	1,132.41	32.22	36.141		
5,100.00	4,976.17	4,960.75	4,960.46	25.16	13.58	-9.80	2,212.62	103.82	1,141.91	1,108.95	32.96	34.647		

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 11-12 1BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 1BH	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 10-T4S-R65W - EXIST HZ SKY RANCH 4-65 9-10 1H - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 2126-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	5,073.45	5,061.09	5,060.79	25.68	13.93	-10.01	2,212.90	103.74	1,119.34	1,085.65	33.70	33.216		
5,300.00	5,170.73	5,155.53	5,155.23	26.19	14.26	-10.22	2,213.19	103.55	1,096.83	1,062.39	34.44	31.850		
5,400.00	5,268.01	5,252.11	5,251.81	26.71	14.60	-10.42	2,213.63	103.84	1,074.46	1,039.28	35.18	30.543		
5,500.00	5,365.29	5,347.71	5,347.41	27.23	14.93	-10.61	2,214.19	104.58	1,052.20	1,016.28	35.92	29.292		
5,600.00	5,462.58	5,441.64	5,441.33	27.75	15.26	-10.79	2,215.03	105.25	1,030.26	993.59	36.66	28.100		
5,700.00	5,559.86	5,541.68	5,541.37	28.27	15.62	-11.00	2,215.99	105.92	1,008.40	970.99	37.41	26.956		
5,800.00	5,657.14	5,645.44	5,645.12	28.79	15.98	-11.26	2,216.35	106.28	985.96	947.81	38.15	25.842		
5,900.00	5,754.42	5,741.31	5,740.99	29.31	16.32	-11.50	2,216.52	106.63	963.38	924.48	38.90	24.764		
6,000.00	5,851.70	5,837.67	5,837.35	29.83	16.66	-11.74	2,216.91	107.19	941.03	901.38	39.65	23.733		
6,100.00	5,948.98	5,932.61	5,932.29	30.35	16.99	-12.06	2,217.16	106.65	918.64	878.23	40.40	22.736		
6,200.00	6,046.26	6,026.50	6,026.17	30.87	17.32	-12.41	2,218.19	105.80	897.09	855.93	41.16	21.795		
6,300.00	6,143.54	6,134.39	6,134.05	31.39	17.69	-12.83	2,218.32	104.90	874.62	832.72	41.90	20.873		
6,400.00	6,240.82	6,233.54	6,233.21	31.91	18.04	-13.21	2,218.05	104.54	851.80	809.15	42.65	19.971		
6,500.00	6,338.10	6,332.12	6,331.78	32.42	18.38	-13.54	2,217.56	105.09	828.70	785.30	43.40	19.094		
6,600.00	6,435.38	6,432.60	6,432.25	32.94	18.73	-13.86	2,217.00	106.20	805.52	761.37	44.15	18.246		
6,700.00	6,532.66	6,532.87	6,532.51	33.46	19.08	-14.24	2,215.81	106.84	781.79	736.90	44.90	17.414		
6,800.00	6,629.95	6,632.17	6,631.79	33.98	19.42	-14.78	2,214.16	105.74	757.85	712.20	45.66	16.599		
6,900.00	6,727.23	6,726.72	6,726.33	34.50	19.75	-15.31	2,212.52	105.00	733.86	687.42	46.44	15.803		
7,000.00	6,824.51	6,822.87	6,822.46	35.02	20.08	-15.81	2,211.31	104.99	710.28	663.07	47.21	15.044		
7,100.00	6,921.79	6,920.32	6,919.91	35.54	20.42	-16.32	2,210.09	105.41	686.72	638.73	47.99	14.310		
7,200.00	7,019.07	7,016.24	7,015.82	36.06	20.75	-16.84	2,208.94	105.95	663.23	614.45	48.78	13.597		
7,300.00	7,116.35	7,111.62	7,111.19	36.58	21.08	-17.36	2,208.06	106.79	640.02	590.45	49.57	12.911		
7,400.00	7,213.50	7,203.20	7,202.77	37.10	21.40	-17.88	2,207.54	107.11	617.77	567.35	50.42	12.251		
7,500.00	7,308.63	7,298.88	7,298.47	37.62	21.64	-18.36	2,207.59	107.59	595.96	545.34	51.21	11.661		
7,571.21	7,373.56	7,308.82	7,307.41	37.99	21.77	-18.36	2,208.53	94.33	598.33	545.69	52.64	11.366 CC, ES		
7,600.00	7,398.87	7,324.67	7,322.84	38.14	21.82	-18.85	2,209.05	90.72	598.96	545.88	53.08	11.284		
7,700.00	7,481.47	7,372.91	7,369.19	38.64	21.99	-19.22	2,210.79	77.55	611.76	557.00	54.75	11.173 SF		
7,800.00	7,553.92	7,403.91	7,398.41	39.13	22.10	-19.36	2,211.87	67.25	642.47	586.08	56.39	11.394		
7,900.00	7,614.02	7,421.07	7,414.35	39.62	22.16	-19.96	2,212.48	60.92	690.55	632.71	57.84	11.939		
8,000.00	7,659.94	7,426.44	7,419.30	40.13	22.18	-16.14	2,212.65	58.85	752.64	693.56	59.08	12.738		
8,100.00	7,690.28	7,421.62	7,414.86	40.68	22.16	-16.17	2,212.49	60.71	824.31	764.15	60.16	13.703		
8,200.00	7,704.13	7,414.00	7,407.80	41.29	22.13	-16.84	2,212.23	63.58	901.16	839.94	61.21	14.721		
8,300.00	7,705.00	7,394.81	7,389.89	41.99	22.07	-16.39	2,211.55	70.43	980.23	918.20	62.04	15.801		
8,400.00	7,705.00	7,382.00	7,377.82	42.83	22.02	-16.36	2,211.11	74.68	1,062.27	999.46	62.82	16.911		
8,500.00	7,705.00	7,368.82	7,365.30	43.83	21.98	-16.32	2,210.65	78.80	1,146.80	1,083.35	63.45	18.075		
8,600.00	7,705.00	7,351.00	7,348.26	44.99	21.92	-16.94	2,209.99	83.95	1,233.40	1,169.50	63.90	19.302		
8,700.00	7,705.00	7,351.00	7,348.26	46.30	21.92	-16.94	2,209.99	83.95	1,321.59	1,257.09	64.49	20.491		
8,800.00	7,705.00	7,338.46	7,336.19	47.76	21.87	-16.99	2,209.53	87.30	1,411.19	1,346.34	64.85	21.762		
8,900.00	7,705.00	7,330.16	7,328.16	49.34	21.84	-16.37	2,209.24	89.39	1,501.96	1,436.77	65.18	23.042		
9,000.00	7,705.00	7,319.00	7,317.33	51.04	21.81	-16.54	2,208.85	92.06	1,593.72	1,528.28	65.44	24.354		
9,100.00	7,705.00	7,319.00	7,317.33	52.84	21.81	-16.54	2,208.85	92.06	1,686.31	1,620.55	65.76	25.642		
9,200.00	7,705.00	7,319.00	7,317.33	54.74	21.81	-16.54	2,208.85	92.06	1,779.70	1,713.66	66.04	26.949		
9,300.00	7,705.00	7,303.49	7,302.21	56.71	21.75	-16.42	2,208.37	95.47	1,873.53	1,807.38	66.15	28.322		
9,400.00	7,705.00	7,288.00	7,287.03	58.75	21.70	-16.33	2,207.94	98.54	1,968.10	1,901.86	66.24	29.710		
9,500.00	7,705.00	7,288.00	7,287.03	60.84	21.70	-16.33	2,207.94	98.54	2,062.96	1,996.52	66.44	31.049		
9,600.00	7,705.00	7,288.00	7,287.03	63.00	21.70	-16.33	2,207.94	98.54	2,158.29	2,091.67	66.62	32.398		
9,700.00	7,705.00	7,288.00	7,287.03	65.19	21.70	-16.33	2,207.94	98.54	2,254.02	2,187.24	66.77	33.756		
9,800.00	7,705.00	7,288.00	7,287.03	67.43	21.70	-16.33	2,207.94	98.54	2,350.10	2,283.19	66.91	35.121		
9,900.00	7,705.00	7,288.00	7,287.03	69.71	21.70	-16.33	2,207.94	98.54	2,446.50	2,379.46	67.04	36.492		
10,000.00	7,705.00	7,288.00	7,287.03	72.01	21.70	-16.33	2,207.94	98.54	2,543.18	2,476.02	67.16	37.869		
10,100.00	7,705.00	7,274.55	7,273.79	74.35	21.65	-16.42	2,207.66	100.87	2,639.87	2,572.69	67.18	39.294		
10,200.00	7,705.00	7,272.31	7,271.57	76.71	21.64	-16.27	2,207.62	101.22	2,736.93	2,669.67	67.27	40.686		

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 11-12 1BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 1BH	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 10-T4S-R65W - EXIST HZ SKY RANCH 4-65 9-10 1H - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 2126-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,300.00	7,705.00	7,270.20	7,269.48	79.10	21.64	-49.12	2,207.59	101.54	2,834.19	2,766.84	67.35	42.082		
10,400.00	7,705.00	7,256.00	7,255.42	81.50	21.59	-48.19	2,207.46	103.45	2,931.81	2,864.45	67.36	43.525		
10,500.00	7,705.00	7,256.00	7,255.42	83.93	21.59	-48.19	2,207.46	103.45	3,029.34	2,961.90	67.44	44.919		
10,600.00	7,705.00	7,256.00	7,255.42	86.37	21.59	-48.19	2,207.46	103.45	3,127.03	3,059.51	67.52	46.314		
10,700.00	7,705.00	7,256.00	7,255.42	88.83	21.59	-48.19	2,207.46	103.45	3,224.86	3,157.27	67.59	47.712		
10,800.00	7,705.00	7,256.00	7,255.42	91.30	21.59	-48.19	2,207.46	103.45	3,322.82	3,255.16	67.66	49.112		
10,900.00	7,705.00	7,256.00	7,255.42	93.78	21.59	-48.19	2,207.46	103.45	3,420.90	3,353.18	67.72	50.513		
11,000.00	7,705.00	7,256.00	7,255.42	96.28	21.59	-48.19	2,207.46	103.45	3,519.09	3,451.30	67.79	51.915		
11,100.00	7,705.00	7,256.00	7,255.42	98.79	21.59	-48.19	2,207.46	103.45	3,617.37	3,549.53	67.84	53.318		
11,200.00	7,705.00	7,256.00	7,255.42	101.31	21.59	-48.19	2,207.46	103.45	3,715.75	3,647.85	67.90	54.723		
11,300.00	7,705.00	7,256.00	7,255.42	103.84	21.59	-48.19	2,207.46	103.45	3,814.21	3,746.25	67.96	56.127		
11,400.00	7,705.00	7,256.00	7,255.42	106.37	21.59	-48.19	2,207.46	103.45	3,912.75	3,844.74	68.01	57.533		
11,500.00	7,705.00	7,256.00	7,255.42	108.92	21.59	-48.19	2,207.46	103.45	4,011.36	3,943.30	68.06	58.938		
11,600.00	7,705.00	7,256.00	7,255.42	111.47	21.59	-48.19	2,207.46	103.45	4,110.04	4,041.93	68.11	60.344		
11,700.00	7,705.00	7,256.00	7,255.42	114.03	21.59	-48.19	2,207.46	103.45	4,208.78	4,140.62	68.16	61.749		
11,800.00	7,705.00	7,256.00	7,255.42	116.59	21.59	-48.19	2,207.46	103.45	4,307.58	4,239.37	68.21	63.155		
11,900.00	7,705.00	7,256.00	7,255.42	119.16	21.59	-48.19	2,207.46	103.45	4,406.43	4,338.18	68.25	64.560		
12,000.00	7,705.00	7,256.00	7,255.42	121.74	21.59	-48.19	2,207.46	103.45	4,505.33	4,437.04	68.30	65.964		
12,100.00	7,705.00	7,256.00	7,255.42	124.32	21.59	-48.19	2,207.46	103.45	4,604.29	4,535.94	68.34	67.369		
12,200.00	7,705.00	7,256.00	7,255.42	126.91	21.59	-48.19	2,207.46	103.45	4,703.28	4,634.89	68.39	68.772		
12,300.00	7,705.00	7,256.00	7,255.42	129.50	21.59	-48.19	2,207.46	103.45	4,802.32	4,733.89	68.43	70.175		
12,400.00	7,705.00	7,256.00	7,255.42	132.10	21.59	-48.19	2,207.46	103.45	4,901.40	4,832.92	68.48	71.577		
12,500.00	7,705.00	7,241.42	7,240.92	134.70	21.54	-47.26	2,207.42	104.99	5,000.28	4,931.81	68.47	73.034		
12,600.00	7,705.00	7,240.61	7,240.11	137.30	21.53	-47.21	2,207.42	105.06	5,099.40	5,030.89	68.51	74.438		
12,700.00	7,705.00	7,239.82	7,239.33	139.91	21.53	-47.16	2,207.42	105.13	5,198.55	5,130.00	68.55	75.840		
12,800.00	7,705.00	7,239.06	7,238.57	142.52	21.53	-47.12	2,207.42	105.20	5,297.73	5,229.15	68.59	77.242		
12,900.00	7,705.00	7,225.00	7,224.55	145.13	21.48	-46.25	2,207.45	106.22	5,397.14	5,328.56	68.58	78.701		
13,000.00	7,705.00	7,225.00	7,224.55	147.75	21.48	-46.25	2,207.45	106.22	5,496.36	5,427.74	68.62	80.097		
13,100.00	7,705.00	7,225.00	7,224.55	150.37	21.48	-46.25	2,207.45	106.22	5,595.61	5,526.94	68.66	81.492		
13,200.00	7,705.00	7,225.00	7,224.55	152.99	21.48	-46.25	2,207.45	106.22	5,694.88	5,626.18	68.71	82.886		
13,300.00	7,705.00	7,225.00	7,224.55	155.62	21.48	-46.25	2,207.45	106.22	5,794.18	5,725.43	68.75	84.278		
13,400.00	7,705.00	7,225.00	7,224.55	158.24	21.48	-46.25	2,207.45	106.22	5,893.50	5,824.71	68.79	85.669		
13,500.00	7,705.00	7,225.00	7,224.55	160.87	21.48	-46.25	2,207.45	106.22	5,992.85	5,924.01	68.84	87.059		
13,600.00	7,705.00	7,225.00	7,224.55	163.50	21.48	-46.25	2,207.45	106.22	6,092.22	6,023.34	68.88	88.447		
13,700.00	7,705.00	7,225.00	7,224.55	166.14	21.48	-46.25	2,207.45	106.22	6,191.60	6,122.68	68.92	89.833		
13,800.00	7,705.00	7,225.00	7,224.55	168.78	21.48	-46.25	2,207.45	106.22	6,291.01	6,222.04	68.97	91.217		
13,900.00	7,705.00	7,225.00	7,224.55	171.41	21.48	-46.25	2,207.45	106.22	6,390.44	6,321.43	69.01	92.600		
14,000.00	7,705.00	7,225.00	7,224.55	174.05	21.48	-46.25	2,207.45	106.22	6,489.88	6,420.82	69.05	93.981		
14,100.00	7,705.00	7,225.00	7,224.55	176.69	21.48	-46.25	2,207.45	106.22	6,589.34	6,520.24	69.10	95.361		
14,200.00	7,705.00	7,225.00	7,224.55	179.34	21.48	-46.25	2,207.45	106.22	6,688.81	6,619.67	69.14	96.738		
14,300.00	7,705.00	7,225.00	7,224.55	181.98	21.48	-46.25	2,207.45	106.22	6,788.31	6,719.12	69.19	98.114		
14,400.00	7,705.00	7,225.00	7,224.55	184.63	21.48	-46.25	2,207.45	106.22	6,887.81	6,818.58	69.23	99.488		
14,500.00	7,705.00	7,225.00	7,224.55	187.28	21.48	-46.25	2,207.45	106.22	6,987.33	6,918.05	69.28	100.860		
14,600.00	7,705.00	7,225.00	7,224.55	189.93	21.48	-46.25	2,207.45	106.22	7,086.86	7,017.54	69.32	102.229		
14,700.00	7,705.00	7,225.00	7,224.55	192.58	21.48	-46.25	2,207.45	106.22	7,186.41	7,117.04	69.37	103.597		
14,800.00	7,705.00	7,225.00	7,224.55	195.23	21.48	-46.25	2,207.45	106.22	7,285.97	7,216.56	69.41	104.963		
14,900.00	7,705.00	7,225.00	7,224.55	197.88	21.48	-46.25	2,207.45	106.22	7,385.54	7,316.08	69.46	106.326		
15,000.00	7,705.00	7,225.00	7,224.55	200.53	21.48	-46.25	2,207.45	106.22	7,485.12	7,415.62	69.51	107.688		
15,100.00	7,705.00	7,225.00	7,224.55	203.19	21.48	-46.25	2,207.45	106.22	7,584.72	7,515.16	69.55	109.047		
15,200.00	7,705.00	7,225.00	7,224.55	205.85	21.48	-46.25	2,207.45	106.22	7,684.32	7,614.72	69.60	110.404		
15,300.00	7,705.00	7,225.00	7,224.55	208.50	21.48	-46.25	2,207.45	106.22	7,783.93	7,714.29	69.65	111.759		
15,400.00	7,705.00	7,225.00	7,224.55	211.16	21.48	-46.25	2,207.45	106.22	7,883.56	7,813.86	69.70	113.111		

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 11-12 1BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 1BH	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 10-T4S-R65W - EXIST HZ SKY RANCH 4-65 9-10 1H - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 2126-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
15,500.00	7,705.00	7,225.00	7,224.55	213.82	21.48	-46.25	2,207.45	106.22	7,983.19	7,913.45	69.75	114.462	
15,600.00	7,705.00	7,225.00	7,224.55	216.48	21.48	-46.25	2,207.45	106.22	8,082.83	8,013.04	69.79	115.810	
15,700.00	7,705.00	7,225.00	7,224.55	219.14	21.48	-46.25	2,207.45	106.22	8,182.48	8,112.64	69.84	117.155	
15,800.00	7,705.00	7,225.00	7,224.55	221.80	21.48	-46.25	2,207.45	106.22	8,282.14	8,212.25	69.89	118.498	
15,900.00	7,705.00	7,225.00	7,224.55	224.47	21.48	-46.25	2,207.45	106.22	8,381.81	8,311.87	69.94	119.839	
16,000.00	7,705.00	7,225.00	7,224.55	227.13	21.48	-46.25	2,207.45	106.22	8,481.49	8,411.49	69.99	121.177	
16,100.00	7,705.00	7,225.00	7,224.55	229.79	21.48	-46.25	2,207.45	106.22	8,581.17	8,511.13	70.04	122.513	
16,200.00	7,705.00	7,225.00	7,224.55	232.46	21.48	-46.25	2,207.45	106.22	8,680.86	8,610.77	70.09	123.846	
16,300.00	7,705.00	7,225.00	7,224.55	235.13	21.48	-46.25	2,207.45	106.22	8,780.56	8,710.41	70.14	125.177	
16,400.00	7,705.00	7,225.00	7,224.55	237.79	21.48	-46.25	2,207.45	106.22	8,880.26	8,810.06	70.20	126.505	
16,500.00	7,705.00	7,225.00	7,224.55	240.46	21.48	-46.25	2,207.45	106.22	8,979.97	8,909.72	70.25	127.831	
16,600.00	7,705.00	7,225.00	7,224.55	243.13	21.48	-46.25	2,207.45	106.22	9,079.69	9,009.39	70.30	129.154	
16,700.00	7,705.00	7,225.00	7,224.55	245.80	21.48	-46.25	2,207.45	106.22	9,179.41	9,109.06	70.35	130.475	
16,800.00	7,705.00	7,225.00	7,224.55	248.46	21.48	-46.25	2,207.45	106.22	9,279.14	9,208.73	70.41	131.792	
16,900.00	7,705.00	7,225.00	7,224.55	251.13	21.48	-46.25	2,207.45	106.22	9,378.88	9,308.41	70.46	133.107	
17,000.00	7,705.00	7,225.00	7,224.55	253.80	21.48	-46.25	2,207.45	106.22	9,478.62	9,408.10	70.52	134.420	
17,100.00	7,705.00	7,225.00	7,224.55	256.47	21.48	-46.25	2,207.45	106.22	9,578.36	9,507.79	70.57	135.729	
17,200.00	7,705.00	7,225.00	7,224.55	259.15	21.48	-46.25	2,207.45	106.22	9,678.11	9,607.49	70.62	137.036	
17,300.00	7,705.00	7,225.00	7,224.55	261.82	21.48	-46.25	2,207.45	106.22	9,777.87	9,707.19	70.68	138.341	
17,400.00	7,705.00	7,225.00	7,224.55	264.49	21.48	-46.25	2,207.45	106.22	9,877.63	9,806.89	70.74	139.642	
17,500.00	7,705.00	7,225.00	7,224.55	267.16	21.48	-46.25	2,207.45	106.22	9,977.40	9,906.60	70.79	140.941	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 11-12 1BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 1BH	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 10-T4S-R65W - PROSPER FARMS 4-65 11-12 2AH - OWB - PROPOSAL 1												Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	0.00	0.00	0.00	0.00	-179.59	-39.71	-0.28	39.71				
100.00	100.00	100.00	100.00	0.13	0.13	-179.59	-39.71	-0.28	39.71	39.44	0.27	147.687 CC	
200.00	199.98	200.02	199.98	0.49	0.49	173.11	-39.71	-0.28	41.44	40.45	0.99	41.899	
300.00	299.84	299.84	299.84	0.86	0.85	173.87	-39.71	-0.28	46.64	44.92	1.72	27.185	
400.00	399.45	401.35	401.33	1.23	1.22	174.58	-37.94	0.04	53.57	51.13	2.44	21.950	
500.00	498.70	503.12	502.95	1.63	1.59	174.95	-32.62	1.01	60.47	57.30	3.17	19.082	
600.00	597.47	605.14	604.56	2.04	1.96	175.10	-23.73	2.62	67.32	63.42	3.90	17.255	
700.00	695.62	707.41	706.04	2.49	2.35	175.09	-11.25	4.89	74.12	69.48	4.64	15.977	
800.00	793.09	809.59	806.92	2.97	2.76	174.94	4.75	7.80	80.71	75.33	5.39	14.985	
900.00	890.37	909.41	905.23	3.46	3.18	174.76	21.72	10.88	86.78	80.64	6.14	14.134	
1,000.00	987.65	1,009.23	1,003.54	3.96	3.61	174.60	38.69	13.96	92.85	85.96	6.90	13.463	
1,100.00	1,084.94	1,109.04	1,101.86	4.47	4.04	174.45	55.66	17.05	98.92	91.26	7.66	12.916	
1,200.00	1,182.22	1,208.86	1,200.17	4.98	4.48	174.33	72.63	20.13	104.99	96.57	8.42	12.464	
1,300.00	1,279.50	1,308.67	1,298.48	5.49	4.92	174.21	89.61	23.22	111.06	101.87	9.19	12.085	
1,400.00	1,376.78	1,408.49	1,396.80	6.00	5.36	174.11	106.58	26.30	117.14	107.18	9.96	11.763	
1,500.00	1,474.06	1,508.30	1,495.11	6.51	5.81	174.02	123.55	29.38	123.21	112.48	10.73	11.486	
1,600.00	1,571.34	1,608.12	1,593.42	7.02	6.25	173.94	140.52	32.47	129.28	117.78	11.50	11.244	
1,700.00	1,668.62	1,707.93	1,691.74	7.54	6.70	173.87	157.49	35.55	135.35	123.08	12.27	11.032	
1,800.00	1,765.90	1,807.75	1,790.05	8.05	7.15	173.80	174.46	38.64	141.42	128.38	13.04	10.845	
1,900.00	1,863.18	1,907.56	1,888.36	8.57	7.59	173.74	191.44	41.72	147.50	133.68	13.81	10.678	
2,000.00	1,960.46	2,007.38	1,986.68	9.09	8.04	173.68	208.41	44.80	153.57	138.98	14.59	10.529	
2,100.00	2,057.74	2,107.19	2,084.99	9.60	8.49	173.63	225.38	47.89	159.64	144.28	15.36	10.394	
2,200.00	2,155.03	2,207.01	2,183.30	10.12	8.94	173.58	242.35	50.97	165.71	149.58	16.13	10.272	
2,300.00	2,252.31	2,306.82	2,281.62	10.64	9.39	173.53	259.32	54.05	171.79	154.88	16.91	10.161	
2,400.00	2,349.59	2,406.64	2,379.93	11.15	9.84	173.49	276.30	57.14	177.86	160.18	17.68	10.060	
2,500.00	2,446.87	2,506.46	2,478.25	11.67	10.29	173.45	293.27	60.22	183.93	165.48	18.45	9.967	
2,600.00	2,544.15	2,606.27	2,576.56	12.19	10.74	173.41	310.24	63.31	190.01	170.78	19.23	9.881	
2,700.00	2,641.43	2,706.09	2,674.87	12.71	11.19	173.37	327.21	66.39	196.08	176.08	20.00	9.802	
2,800.00	2,738.71	2,805.90	2,773.19	13.23	11.64	173.34	344.18	69.47	202.16	181.38	20.78	9.729	
2,900.00	2,835.99	2,905.72	2,871.50	13.74	12.09	173.31	361.15	72.56	208.23	186.67	21.55	9.661	
3,000.00	2,933.27	3,005.53	2,969.81	14.26	12.54	173.28	378.13	75.64	214.30	191.97	22.33	9.597	
3,100.00	3,030.55	3,105.35	3,068.13	14.78	13.00	173.25	395.10	78.73	220.38	197.27	23.10	9.538	
3,200.00	3,127.83	3,205.16	3,166.44	15.30	13.45	173.23	412.07	81.81	226.45	202.57	23.88	9.483	
3,300.00	3,225.12	3,304.98	3,264.75	15.82	13.90	173.20	429.04	84.89	232.52	207.87	24.66	9.431	
3,400.00	3,322.40	3,404.79	3,363.07	16.34	14.35	173.18	446.01	87.98	238.60	213.17	25.43	9.382	
3,500.00	3,419.68	3,504.61	3,461.38	16.85	14.80	173.16	462.99	91.06	244.67	218.46	26.21	9.336	
3,600.00	3,516.96	3,604.42	3,559.69	17.37	15.25	173.14	479.96	94.15	250.75	223.76	26.98	9.293	
3,700.00	3,614.24	3,704.24	3,658.01	17.89	15.71	173.12	496.93	97.23	256.82	229.06	27.76	9.252	
3,800.00	3,711.52	3,804.05	3,756.32	18.41	16.16	173.10	513.90	100.31	262.89	234.36	28.54	9.213	
3,900.00	3,808.80	3,903.87	3,854.63	18.93	16.61	173.08	530.87	103.40	268.97	239.66	29.31	9.176	
4,000.00	3,906.08	4,003.68	3,952.95	19.45	17.06	173.06	547.84	106.48	275.04	244.95	30.09	9.141	
4,100.00	4,003.36	4,103.50	4,051.26	19.97	17.51	173.04	564.82	109.56	281.12	250.25	30.86	9.108	
4,200.00	4,100.64	4,203.32	4,149.58	20.49	17.97	173.03	581.79	112.65	287.19	255.55	31.64	9.077	
4,300.00	4,197.92	4,303.13	4,247.89	21.00	18.42	173.01	598.76	115.73	293.26	260.85	32.42	9.047	
4,400.00	4,295.20	4,402.95	4,346.20	21.52	18.87	173.00	615.73	118.82	299.34	266.14	33.19	9.018	
4,500.00	4,392.49	4,502.76	4,444.52	22.04	19.32	172.98	632.70	121.90	305.41	271.44	33.97	8.991	
4,600.00	4,489.77	4,602.58	4,542.83	22.56	19.78	172.97	649.68	124.98	311.49	276.74	34.75	8.965	
4,700.00	4,587.05	4,702.39	4,641.14	23.08	20.23	172.96	666.65	128.07	317.56	282.04	35.52	8.940	
4,800.00	4,684.33	4,802.21	4,739.46	23.60	20.68	172.94	683.62	131.15	323.63	287.34	36.30	8.916	
4,900.00	4,781.61	4,902.02	4,837.77	24.12	21.13	172.93	700.59	134.24	329.71	292.63	37.08	8.893	
5,000.00	4,878.89	5,001.84	4,936.08	24.64	21.58	172.92	717.56	137.32	335.78	297.93	37.85	8.871	
5,100.00	4,976.17	5,101.65	5,034.40	25.16	22.04	172.91	734.53	140.40	341.86	303.23	38.63	8.850	

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 11-12 1BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 1BH	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 10-T4S-R65W - PROSPER FARMS 4-65 11-12 2AH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	5,073.45	5,201.47	5,132.71	25.68	22.49	172.90	751.51	143.49	347.93	308.53	39.41	8.830		
5,300.00	5,170.73	5,301.28	5,231.02	26.19	22.94	172.89	768.48	146.57	354.01	313.82	40.18	8.810		
5,400.00	5,268.01	5,401.10	5,329.34	26.71	23.39	172.88	785.45	149.66	360.08	319.12	40.96	8.791		
5,500.00	5,365.29	5,500.91	5,427.65	27.23	23.85	172.87	802.42	152.74	366.15	324.42	41.74	8.773		
5,600.00	5,462.58	5,600.73	5,525.96	27.75	24.30	172.86	819.39	155.82	372.23	329.72	42.51	8.756		
5,700.00	5,559.86	5,700.55	5,624.28	28.27	24.75	172.85	836.37	158.91	378.30	335.01	43.29	8.739		
5,800.00	5,657.14	5,800.36	5,722.59	28.79	25.20	172.84	853.34	161.99	384.38	340.31	44.07	8.723		
5,900.00	5,754.42	5,900.18	5,820.90	29.31	25.66	172.83	870.31	165.08	390.45	345.61	44.84	8.707		
6,000.00	5,851.70	6,000.01	5,919.22	29.83	26.11	172.82	887.28	168.16	396.53	350.91	45.62	8.692		
6,100.00	5,948.98	6,100.19	6,017.53	30.35	26.56	172.81	904.25	171.24	402.60	356.20	46.40	8.677		
6,200.00	6,046.26	6,200.38	6,115.85	30.87	27.02	172.80	921.22	174.33	408.67	361.50	47.18	8.663		
6,300.00	6,143.54	6,300.56	6,214.16	31.39	27.47	172.80	938.20	177.41	414.75	366.79	47.95	8.649		
6,400.00	6,240.82	6,400.75	6,312.47	31.91	27.93	172.79	955.17	180.49	420.82	372.09	48.73	8.635		
6,500.00	6,338.10	6,500.93	6,410.79	32.42	28.38	172.78	972.14	183.58	426.90	377.39	49.51	8.622		
6,600.00	6,435.38	6,598.88	6,509.10	32.94	28.83	172.77	989.11	186.66	432.97	382.69	50.28	8.611		
6,700.00	6,532.66	6,701.30	6,607.41	33.46	29.29	172.77	1,006.08	189.75	439.05	387.98	51.07	8.597		
6,800.00	6,629.95	6,798.51	6,705.73	33.98	29.73	172.76	1,023.06	192.83	445.12	393.29	51.83	8.587		
6,900.00	6,727.23	6,898.33	6,804.04	34.50	30.18	172.75	1,040.03	195.91	451.20	398.58	52.61	8.576		
7,000.00	6,824.51	7,001.86	6,902.35	35.02	30.65	172.75	1,057.00	199.00	457.27	403.87	53.40	8.563		
7,100.00	6,921.79	7,102.04	7,000.67	35.54	31.11	172.74	1,073.97	202.08	463.34	409.16	54.18	8.552		
7,200.00	7,019.07	7,202.22	7,098.98	36.06	31.56	172.74	1,090.94	205.17	469.42	414.46	54.96	8.541		
7,300.00	7,116.35	7,297.21	7,196.85	36.58	32.00	172.55	1,107.82	209.70	475.51	419.78	55.73	8.532		
7,400.00	7,213.50	7,394.12	7,290.60	37.10	32.45	150.71	1,123.81	227.68	481.92	425.27	56.65	8.507		
7,500.00	7,308.63	7,488.55	7,377.85	37.62	32.89	124.35	1,138.48	260.36	488.63	431.01	57.62	8.481		
7,600.00	7,398.87	7,581.00	7,457.06	38.14	33.32	110.69	1,151.58	306.00	495.33	436.72	58.61	8.452		
7,700.00	7,481.47	7,671.78	7,526.85	38.64	33.74	102.75	1,162.92	362.80	501.71	442.10	59.61	8.416		
7,800.00	7,553.92	7,761.19	7,586.12	39.13	34.18	97.65	1,172.31	428.95	507.48	446.83	60.65	8.368		
7,900.00	7,614.02	7,849.52	7,634.05	39.62	34.64	94.23	1,179.63	502.68	512.36	450.60	61.77	8.295		
8,000.00	7,659.94	7,937.04	7,670.00	40.13	35.16	91.96	1,184.81	582.22	516.14	453.10	63.04	8.188		
8,100.00	7,690.28	8,024.01	7,693.50	40.68	35.76	90.60	1,187.78	665.81	518.65	454.15	64.50	8.041		
8,200.00	7,704.13	8,110.68	7,704.27	41.29	36.45	90.03	1,188.52	751.72	519.78	453.59	66.18	7.853		
8,300.00	7,705.00	8,206.17	7,705.00	41.99	37.35	90.00	1,187.40	847.19	519.83	451.35	68.49	7.590		
8,400.00	7,705.00	8,306.17	7,705.00	42.83	38.46	90.00	1,186.09	947.18	519.83	448.53	71.30	7.291		
8,500.00	7,705.00	8,406.17	7,705.00	43.83	39.75	90.00	1,184.78	1,047.17	519.83	445.44	74.39	6.988		
8,600.00	7,705.00	8,506.17	7,705.00	44.99	41.19	90.00	1,183.46	1,147.16	519.83	442.09	77.74	6.687		
8,700.00	7,705.00	8,606.17	7,705.00	46.30	42.78	90.00	1,182.15	1,247.15	519.83	438.52	81.31	6.394		
8,800.00	7,705.00	8,706.17	7,705.00	47.76	44.49	90.00	1,180.84	1,347.15	519.83	434.77	85.06	6.111		
8,900.00	7,705.00	8,806.17	7,705.00	49.34	46.30	90.00	1,179.53	1,447.14	519.83	430.84	88.99	5.841		
9,000.00	7,705.00	8,906.17	7,705.00	51.04	48.21	90.00	1,178.22	1,547.13	519.83	426.76	93.06	5.586		
9,100.00	7,705.00	9,006.17	7,705.00	52.84	50.20	90.00	1,176.91	1,647.12	519.83	422.56	97.27	5.344		
9,200.00	7,705.00	9,106.17	7,705.00	54.74	52.26	90.00	1,175.60	1,747.11	519.83	418.24	101.58	5.117		
9,300.00	7,705.00	9,206.17	7,705.00	56.71	54.38	90.00	1,174.29	1,847.10	519.83	413.83	105.99	4.904		
9,400.00	7,705.00	9,306.17	7,705.00	58.75	56.55	90.00	1,172.98	1,947.09	519.83	409.33	110.50	4.705		
9,500.00	7,705.00	9,406.17	7,705.00	60.84	58.77	90.00	1,171.67	2,047.09	519.82	404.75	115.07	4.517		
9,600.00	7,705.00	9,506.17	7,705.00	63.00	61.03	90.00	1,170.36	2,147.08	519.82	400.11	119.72	4.342		
9,700.00	7,705.00	9,606.17	7,705.00	65.19	63.32	90.00	1,169.05	2,247.07	519.82	395.40	124.42	4.178		
9,800.00	7,705.00	9,706.17	7,705.00	67.43	65.65	90.00	1,167.74	2,347.06	519.82	390.64	129.18	4.024		
9,900.00	7,705.00	9,806.17	7,705.00	69.71	68.00	90.00	1,166.43	2,447.05	519.82	385.84	133.99	3.880		
10,000.00	7,705.00	9,906.17	7,705.00	72.01	70.38	90.00	1,165.12	2,547.04	519.82	380.98	138.84	3.744		
10,100.00	7,705.00	10,006.17	7,705.00	74.35	72.79	90.00	1,163.81	2,647.03	519.82	376.09	143.73	3.617		
10,200.00	7,705.00	10,106.17	7,705.00	76.71	75.21	90.00	1,162.50	2,747.03	519.82	371.17	148.65	3.497		
10,300.00	7,705.00	10,206.17	7,705.00	79.10	77.65	90.00	1,161.19	2,847.02	519.82	366.22	153.60	3.384		

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 11-12 1BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 1BH	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 10-T4S-R65W - PROSPER FARMS 4-65 11-12 2AH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,400.00	7,705.00	10,306.17	7,705.00	81.50	80.11	90.00	1,159.88	2,947.01	519.82	361.23	158.59	3.278		
10,500.00	7,705.00	10,406.17	7,705.00	83.93	82.59	90.00	1,158.57	3,047.00	519.82	356.22	163.60	3.177		
10,600.00	7,705.00	10,506.17	7,705.00	86.37	85.08	90.00	1,157.26	3,146.99	519.82	351.19	168.63	3.083		
10,700.00	7,705.00	10,606.17	7,705.00	88.83	87.58	90.00	1,155.95	3,246.98	519.82	346.13	173.68	2.993		
10,800.00	7,705.00	10,706.17	7,705.00	91.30	90.09	90.00	1,154.64	3,346.97	519.82	341.06	178.76	2.908		
10,900.00	7,705.00	10,806.17	7,705.00	93.78	92.61	90.00	1,153.33	3,446.97	519.81	335.97	183.85	2.827		
11,000.00	7,705.00	10,906.17	7,705.00	96.28	95.15	90.00	1,152.02	3,546.96	519.81	330.86	188.96	2.751		
11,100.00	7,705.00	11,006.17	7,705.00	98.79	97.69	90.00	1,150.71	3,646.95	519.81	325.73	194.08	2.678		
11,200.00	7,705.00	11,106.17	7,705.00	101.31	100.24	90.00	1,149.40	3,746.94	519.81	320.59	199.22	2.609		
11,300.00	7,705.00	11,206.17	7,705.00	103.84	102.80	90.00	1,148.09	3,846.93	519.81	315.44	204.37	2.543		
11,400.00	7,705.00	11,306.17	7,705.00	106.37	105.36	90.00	1,146.78	3,946.92	519.81	310.28	209.54	2.481		
11,500.00	7,705.00	11,406.17	7,705.00	108.92	107.93	90.00	1,145.46	4,046.91	519.81	305.10	214.71	2.421		
11,600.00	7,705.00	11,506.17	7,705.00	111.47	110.51	90.00	1,144.15	4,146.91	519.81	299.91	219.90	2.364		
11,700.00	7,705.00	11,606.17	7,705.00	114.03	113.09	90.00	1,142.84	4,246.90	519.81	294.72	225.09	2.309		
11,800.00	7,705.00	11,706.17	7,705.00	116.59	115.68	90.00	1,141.53	4,346.89	519.81	289.51	230.29	2.257		
11,900.00	7,705.00	11,806.17	7,705.00	119.16	118.27	90.00	1,140.22	4,446.88	519.81	284.30	235.51	2.207		
12,000.00	7,705.00	11,906.17	7,705.00	121.74	120.87	90.00	1,138.91	4,546.87	519.81	279.08	240.73	2.159		
12,100.00	7,705.00	12,006.17	7,705.00	124.32	123.47	90.00	1,137.60	4,646.86	519.81	273.85	245.95	2.113		
12,200.00	7,705.00	12,106.17	7,705.00	126.91	126.08	90.00	1,136.29	4,746.85	519.81	268.62	251.19	2.069		
12,300.00	7,705.00	12,206.17	7,705.00	129.50	128.69	90.00	1,134.98	4,846.85	519.80	263.37	256.43	2.027		
12,400.00	7,705.00	12,306.17	7,705.00	132.10	131.30	90.00	1,133.67	4,946.84	519.80	258.13	261.68	1.986		
12,500.00	7,705.00	12,406.17	7,705.00	134.70	133.92	90.00	1,132.36	5,046.83	519.80	252.87	266.93	1.947		
12,600.00	7,705.00	12,506.17	7,705.00	137.30	136.54	90.00	1,131.05	5,146.82	519.80	247.61	272.19	1.910		
12,700.00	7,705.00	12,606.17	7,705.00	139.91	139.16	90.00	1,129.74	5,246.81	519.80	242.35	277.45	1.873		
12,800.00	7,705.00	12,706.17	7,705.00	142.52	141.79	90.00	1,128.43	5,346.80	519.80	237.08	282.72	1.839		
12,900.00	7,705.00	12,806.17	7,705.00	145.13	144.42	90.00	1,127.12	5,446.79	519.80	231.81	287.99	1.805		
13,000.00	7,705.00	12,906.17	7,705.00	147.75	147.05	90.00	1,125.81	5,546.78	519.80	226.53	293.27	1.772		
13,100.00	7,705.00	13,006.17	7,705.00	150.37	149.68	90.00	1,124.50	5,646.78	519.80	221.25	298.55	1.741		
13,200.00	7,705.00	13,106.17	7,705.00	152.99	152.31	90.00	1,123.19	5,746.77	519.80	215.96	303.84	1.711		
13,300.00	7,705.00	13,206.17	7,705.00	155.62	154.95	90.00	1,121.88	5,846.76	519.80	210.67	309.13	1.681		
13,400.00	7,705.00	13,306.17	7,705.00	158.24	157.59	90.00	1,120.57	5,946.75	519.80	205.38	314.42	1.653		
13,500.00	7,705.00	13,406.17	7,705.00	160.87	160.23	90.00	1,119.26	6,046.74	519.80	200.08	319.72	1.626		
13,600.00	7,705.00	13,506.17	7,705.00	163.50	162.88	90.00	1,117.95	6,146.73	519.80	194.78	325.02	1.599		
13,700.00	7,705.00	13,606.17	7,705.00	166.14	165.52	90.00	1,116.64	6,246.72	519.80	189.48	330.32	1.574		
13,800.00	7,705.00	13,706.17	7,705.00	168.78	168.17	90.00	1,115.33	6,346.72	519.79	184.17	335.62	1.549		
13,900.00	7,705.00	13,806.17	7,705.00	171.41	170.81	90.00	1,114.02	6,446.71	519.79	178.86	340.93	1.525		
14,000.00	7,705.00	13,906.17	7,705.00	174.05	173.46	90.00	1,112.71	6,546.70	519.79	173.55	346.24	1.501		
14,100.00	7,705.00	14,006.17	7,705.00	176.69	176.11	90.00	1,111.40	6,646.69	519.79	168.24	351.55	1.479 Level 3		
14,200.00	7,705.00	14,106.17	7,705.00	179.34	178.77	90.00	1,110.09	6,746.68	519.79	162.92	356.87	1.457 Level 3		
14,300.00	7,705.00	14,206.17	7,705.00	181.98	181.42	90.00	1,108.78	6,846.67	519.79	157.61	362.19	1.435 Level 3		
14,400.00	7,705.00	14,306.17	7,705.00	184.63	184.07	90.00	1,107.47	6,946.66	519.79	152.29	367.50	1.414 Level 3		
14,500.00	7,705.00	14,406.17	7,705.00	187.28	186.73	90.00	1,106.15	7,046.66	519.79	146.96	372.83	1.394 Level 3		
14,600.00	7,705.00	14,506.17	7,705.00	189.93	189.39	90.00	1,104.84	7,146.65	519.79	141.64	378.15	1.375 Level 3		
14,700.00	7,705.00	14,606.17	7,705.00	192.58	192.05	90.00	1,103.53	7,246.64	519.79	136.31	383.48	1.355 Level 3		
14,800.00	7,705.00	14,706.17	7,705.00	195.23	194.71	90.00	1,102.22	7,346.63	519.79	130.98	388.80	1.337 Level 3		
14,900.00	7,705.00	14,806.17	7,705.00	197.88	197.37	90.00	1,100.91	7,446.62	519.79	125.65	394.13	1.319 Level 3		
15,000.00	7,705.00	14,906.17	7,705.00	200.53	200.03	90.00	1,099.60	7,546.61	519.79	120.32	399.46	1.301 Level 3		
15,100.00	7,705.00	15,006.17	7,705.00	203.19	202.69	90.00	1,098.29	7,646.60	519.79	114.99	404.80	1.284 Level 3		
15,200.00	7,705.00	15,106.17	7,705.00	205.85	205.35	90.00	1,096.98	7,746.60	519.78	109.65	410.13	1.267 Level 3		
15,300.00	7,705.00	15,206.17	7,705.00	208.50	208.02	90.00	1,095.67	7,846.59	519.78	104.32	415.47	1.251 Level 3		
15,400.00	7,705.00	15,306.17	7,705.00	211.16	210.68	90.00	1,094.36	7,946.58	519.78	98.98	420.80	1.235 Level 2		
15,500.00	7,705.00	15,406.17	7,705.00	213.82	213.35	90.00	1,093.05	8,046.57	519.78	93.64	426.14	1.220 Level 2		

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 11-12 1BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 1BH	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 10-T4S-R65W - PROSPER FARMS 4-65 11-12 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							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,600.00	7,705.00	15,506.17	7,705.00	216.48	216.01	90.00	1,091.74	8,146.56	519.78	88.30	431.48	1.205 Level 2	
15,700.00	7,705.00	15,606.17	7,705.00	219.14	218.68	90.00	1,090.43	8,246.55	519.78	82.96	436.82	1.190 Level 2	
15,800.00	7,705.00	15,706.17	7,705.00	221.80	221.35	90.00	1,089.12	8,346.54	519.78	77.62	442.16	1.176 Level 2	
15,900.00	7,705.00	15,806.17	7,705.00	224.47	224.02	90.00	1,087.81	8,446.54	519.78	72.27	447.51	1.162 Level 2	
16,000.00	7,705.00	15,906.17	7,705.00	227.13	226.68	90.00	1,086.50	8,546.53	519.78	66.93	452.85	1.148 Level 2	
16,100.00	7,705.00	16,006.17	7,705.00	229.79	229.35	90.00	1,085.19	8,646.52	519.78	61.58	458.20	1.134 Level 2	
16,200.00	7,705.00	16,106.17	7,705.00	232.46	232.02	90.00	1,083.88	8,746.51	519.78	56.23	463.54	1.121 Level 2	
16,300.00	7,705.00	16,206.17	7,705.00	235.13	234.69	90.00	1,082.57	8,846.50	519.78	50.89	468.89	1.109 Level 2	
16,400.00	7,705.00	16,306.17	7,705.00	237.79	237.37	90.00	1,081.26	8,946.49	519.78	45.54	474.24	1.096 Level 2	
16,500.00	7,705.00	16,406.17	7,705.00	240.46	240.04	90.00	1,079.95	9,046.48	519.78	40.19	479.59	1.084 Level 2	
16,600.00	7,705.00	16,506.17	7,705.00	243.13	242.71	90.00	1,078.64	9,146.48	519.77	34.83	484.94	1.072 Level 2	
16,700.00	7,705.00	16,606.17	7,705.00	245.80	245.38	90.00	1,077.33	9,246.47	519.77	29.48	490.29	1.060 Level 2	
16,800.00	7,705.00	16,706.17	7,705.00	248.46	248.06	90.00	1,076.02	9,346.46	519.77	24.13	495.65	1.049 Level 2	
16,900.00	7,705.00	16,806.17	7,705.00	251.13	250.73	90.00	1,074.71	9,446.45	519.77	18.77	501.00	1.037 Level 2	
17,000.00	7,705.00	16,906.17	7,705.00	253.80	253.41	90.00	1,073.40	9,546.44	519.77	13.42	506.35	1.027 Level 2	
17,100.00	7,705.00	17,006.17	7,705.00	256.47	256.08	90.00	1,072.09	9,646.43	519.77	8.06	511.71	1.016 Level 2	
17,200.00	7,705.00	17,106.17	7,705.00	259.15	258.76	90.00	1,070.78	9,746.42	519.77	2.71	517.06	1.005 Level 2	
17,300.00	7,705.00	17,206.17	7,705.00	261.82	261.43	90.00	1,069.47	9,846.42	519.77	-2.65	522.42	0.995 Level 1	
17,400.00	7,705.00	17,306.17	7,705.00	264.49	264.11	90.00	1,068.16	9,946.41	519.77	-8.01	527.78	0.985 Level 1	
17,500.00	7,705.00	17,406.17	7,705.00	267.16	266.79	90.00	1,066.84	10,046.40	519.77	-13.37	533.13	0.975 Level 1	
17,600.00	7,705.00	17,506.17	7,705.00	269.84	269.46	90.00	1,065.53	10,146.39	519.77	-18.73	538.49	0.965 Level 1	
17,700.00	7,705.00	17,606.17	7,705.00	272.51	272.14	90.00	1,064.22	10,246.38	519.77	-24.09	543.85	0.956 Level 1	
17,800.00	7,705.00	17,706.17	7,705.00	275.18	274.82	90.00	1,062.91	10,346.37	519.77	-29.45	549.21	0.946 Level 1	
17,900.00	7,705.00	17,806.17	7,705.00	277.86	277.50	90.00	1,061.60	10,446.36	519.77	-34.81	554.57	0.937 Level 1	
18,000.00	7,705.00	17,906.17	7,705.00	280.53	280.17	90.00	1,060.29	10,546.36	519.76	-40.17	559.93	0.928 Level 1	
18,100.00	7,705.00	18,006.17	7,705.00	283.21	282.85	90.00	1,058.98	10,646.35	519.76	-45.53	565.30	0.919 Level 1	
18,120.90	7,705.00	18,027.07	7,705.00	283.77	283.41	90.00	1,058.71	10,667.24	519.76	-46.65	566.42	0.918 Level 1, ES, SF	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 11-12 1BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 1BH	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 10-T4S-R65W - PROSPER FARMS 4-65 11-12 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	-179.46	-59.74	-0.56	59.74					
100.00	100.00	100.00	100.00	0.13	0.13	-179.46	-59.74	-0.56	59.74	59.47	0.27	222.212	CC, ES	
200.00	199.98	200.02	199.98	0.49	0.49	173.14	-59.74	-0.56	61.47	60.49	0.99	62.158		
300.00	299.84	300.16	299.84	0.86	0.85	173.67	-59.74	-0.56	66.67	64.96	1.72	38.837		
400.00	399.45	400.55	399.45	1.23	1.21	174.38	-59.74	-0.56	75.34	72.90	2.45	30.800		
500.00	498.70	498.70	498.70	1.63	1.56	175.14	-59.74	-0.56	87.48	84.31	3.17	27.600		
600.00	597.47	600.96	600.94	2.04	1.93	175.65	-58.04	-0.05	101.40	97.50	3.90	25.996		
700.00	695.62	703.77	703.60	2.49	2.30	175.74	-52.80	1.52	115.33	110.69	4.64	24.863		
800.00	793.09	807.11	806.52	2.97	2.68	175.55	-43.99	4.16	129.08	123.69	5.38	23.971		
900.00	890.37	906.46	905.29	3.46	3.05	175.25	-33.69	7.25	141.80	135.68	6.12	23.157		
1,000.00	987.65	1,005.64	1,003.89	3.96	3.42	175.01	-23.40	10.34	154.52	147.66	6.87	22.504		
1,100.00	1,084.94	1,104.83	1,102.49	4.47	3.80	174.80	-13.11	13.42	167.25	159.64	7.61	21.971		
1,200.00	1,182.22	1,204.02	1,201.09	4.98	4.18	174.62	-2.82	16.51	179.98	171.62	8.36	21.526		
1,300.00	1,279.50	1,303.20	1,299.70	5.49	4.57	174.47	7.46	19.59	192.71	183.60	9.11	21.150		
1,400.00	1,376.78	1,402.39	1,398.30	6.00	4.95	174.33	17.75	22.68	205.44	195.58	9.86	20.828		
1,500.00	1,474.06	1,501.57	1,496.90	6.51	5.34	174.21	28.04	25.76	218.17	207.55	10.62	20.550		
1,600.00	1,571.34	1,600.76	1,595.50	7.02	5.73	174.10	38.33	28.85	230.90	219.53	11.37	20.307		
1,700.00	1,668.62	1,699.94	1,694.10	7.54	6.12	174.01	48.61	31.93	243.64	231.51	12.13	20.093		
1,800.00	1,765.90	1,800.87	1,792.71	8.05	6.51	173.92	58.90	35.02	256.37	243.48	12.89	19.893		
1,900.00	1,863.18	1,901.69	1,891.31	8.57	6.91	173.84	69.19	38.10	269.11	255.46	13.65	19.715		
2,000.00	1,960.46	2,002.50	1,989.91	9.09	7.30	173.77	79.47	41.19	281.84	267.43	14.41	19.556		
2,100.00	2,057.74	2,103.32	2,088.51	9.60	7.70	173.71	89.76	44.27	294.58	279.40	15.18	19.412		
2,200.00	2,155.03	2,204.13	2,187.11	10.12	8.10	173.65	100.05	47.36	307.31	291.37	15.94	19.281		
2,300.00	2,252.31	2,295.05	2,285.72	10.64	8.46	173.59	110.34	50.44	320.05	303.38	16.67	19.204		
2,400.00	2,349.59	2,405.76	2,384.32	11.15	8.89	173.54	120.62	53.53	332.78	315.32	17.47	19.054		
2,500.00	2,446.87	2,506.58	2,482.92	11.67	9.29	173.50	130.91	56.61	345.52	327.29	18.23	18.954		
2,600.00	2,544.15	2,607.39	2,581.52	12.19	9.69	173.45	141.20	59.70	358.26	339.26	18.99	18.862		
2,700.00	2,641.43	2,691.79	2,680.12	12.71	10.03	173.41	151.49	62.78	370.99	351.30	19.70	18.834		
2,800.00	2,738.71	2,809.02	2,778.73	13.23	10.49	173.37	161.77	65.87	383.73	363.21	20.52	18.698		
2,900.00	2,835.99	2,909.84	2,877.33	13.74	10.89	173.34	172.06	68.96	396.47	375.18	21.29	18.625		
3,000.00	2,933.27	2,989.35	2,975.93	14.26	11.20	173.30	182.35	72.04	409.21	387.23	21.97	18.623		
3,100.00	3,030.55	3,088.53	3,074.53	14.78	11.59	173.27	192.63	75.13	421.94	399.21	22.73	18.561		
3,200.00	3,127.83	3,187.72	3,173.13	15.30	11.99	173.24	202.92	78.21	434.68	411.19	23.49	18.504		
3,300.00	3,225.12	3,286.90	3,271.74	15.82	12.38	173.22	213.21	81.30	447.42	423.17	24.25	18.450		
3,400.00	3,322.40	3,386.09	3,370.34	16.34	12.77	173.19	223.50	84.38	460.16	435.15	25.01	18.399		
3,500.00	3,419.68	3,485.28	3,468.94	16.85	13.17	173.17	233.78	87.47	472.89	447.12	25.77	18.351		
3,600.00	3,516.96	3,584.46	3,567.54	17.37	13.56	173.14	244.07	90.55	485.63	459.10	26.53	18.306		
3,700.00	3,614.24	3,683.65	3,666.14	17.89	13.95	173.12	254.36	93.64	498.37	471.08	27.29	18.263		
3,800.00	3,711.52	3,782.83	3,764.75	18.41	14.35	173.10	264.65	96.72	511.11	483.06	28.05	18.223		
3,900.00	3,808.80	3,882.02	3,863.35	18.93	14.74	173.08	274.93	99.81	523.85	495.04	28.81	18.184		
4,000.00	3,906.08	3,981.20	3,961.95	19.45	15.13	173.06	285.22	102.89	536.58	507.02	29.57	18.148		
4,100.00	4,003.36	4,080.39	4,060.55	19.97	15.52	173.04	295.51	105.98	549.32	519.00	30.33	18.113		
4,200.00	4,100.64	4,179.57	4,159.15	20.49	15.92	173.02	305.79	109.06	562.06	530.97	31.09	18.080		
4,300.00	4,197.92	4,278.76	4,257.76	21.00	16.31	173.01	316.08	112.15	574.80	542.95	31.85	18.049		
4,400.00	4,295.20	4,377.94	4,356.36	21.52	16.70	172.99	326.37	115.23	587.54	554.93	32.61	18.019		
4,500.00	4,392.49	4,477.13	4,454.96	22.04	17.10	172.98	336.66	118.32	600.28	566.91	33.37	17.990		
4,600.00	4,489.77	4,576.31	4,553.56	22.56	17.49	172.96	346.94	121.40	613.01	578.89	34.13	17.963		
4,700.00	4,587.05	4,675.50	4,652.17	23.08	17.88	172.95	357.23	124.49	625.75	590.87	34.89	17.937		
4,800.00	4,684.33	4,774.68	4,750.77	23.60	18.28	172.93	367.52	127.57	638.49	602.84	35.65	17.912		
4,900.00	4,781.61	4,873.87	4,849.37	24.12	18.67	172.92	377.81	130.66	651.23	614.82	36.41	17.888		
5,000.00	4,878.89	4,973.05	4,947.97	24.64	19.07	172.91	388.09	133.74	663.97	626.80	37.17	17.864		
5,100.00	4,976.17	5,072.24	5,046.57	25.16	19.46	172.90	398.38	136.83	676.71	638.78	37.93	17.842		

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 11-12 1BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 1BH	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 10-T4S-R65W - PROSPER FARMS 4-65 11-12 2BH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	5,073.45	5,171.42	5,145.18	25.68	19.85	172.89	408.67	139.91	689.45	650.76	38.69	17.821		
5,300.00	5,170.73	5,270.61	5,243.78	26.19	20.25	172.87	418.95	143.00	702.18	662.74	39.45	17.800		
5,400.00	5,268.01	5,369.79	5,342.38	26.71	20.64	172.86	429.24	146.09	714.92	674.72	40.21	17.781		
5,500.00	5,365.29	5,468.98	5,440.98	27.23	21.03	172.85	439.53	149.17	727.66	686.69	40.97	17.762		
5,600.00	5,462.58	5,568.16	5,539.58	27.75	21.43	172.84	449.82	152.26	740.40	698.67	41.73	17.743		
5,700.00	5,559.86	5,667.35	5,638.19	28.27	21.82	172.83	460.10	155.34	753.14	710.65	42.49	17.725		
5,800.00	5,657.14	5,766.54	5,736.79	28.79	22.21	172.82	470.39	158.43	765.88	722.63	43.25	17.708		
5,900.00	5,754.42	5,865.72	5,835.39	29.31	22.61	172.81	480.68	161.51	778.62	734.61	44.01	17.692		
6,000.00	5,851.70	5,964.91	5,933.99	29.83	23.00	172.81	490.97	164.60	791.36	746.59	44.77	17.676		
6,100.00	5,948.98	6,064.09	6,032.59	30.35	23.40	172.80	501.25	167.68	804.10	758.56	45.53	17.660		
6,200.00	6,046.26	6,163.28	6,131.20	30.87	23.79	172.79	511.54	170.77	816.83	770.54	46.29	17.645		
6,300.00	6,143.54	6,262.46	6,229.80	31.39	24.18	172.78	521.83	173.85	829.57	782.52	47.05	17.631		
6,400.00	6,240.82	6,361.65	6,328.40	31.91	24.58	172.77	532.11	176.94	842.31	794.50	47.81	17.617		
6,500.00	6,338.10	6,460.83	6,427.00	32.42	24.97	172.77	542.40	180.02	855.05	806.48	48.57	17.603		
6,600.00	6,435.38	6,560.02	6,525.60	32.94	25.36	172.76	552.69	183.11	867.79	818.46	49.33	17.590		
6,700.00	6,532.66	6,659.20	6,624.21	33.46	25.76	172.75	562.98	186.19	880.53	830.43	50.10	17.577		
6,800.00	6,629.95	6,758.39	6,722.81	33.98	26.15	172.75	573.26	189.28	893.27	842.41	50.86	17.565		
6,900.00	6,727.23	6,857.57	6,821.41	34.50	26.55	172.74	583.55	192.36	906.01	854.39	51.62	17.553		
7,000.00	6,824.51	6,956.76	6,920.01	35.02	26.94	172.73	593.84	195.45	918.75	866.37	52.38	17.541		
7,100.00	6,921.79	7,055.94	7,018.61	35.54	27.33	172.73	604.13	198.53	931.48	878.35	53.14	17.529		
7,200.00	7,019.07	7,155.13	7,117.22	36.06	27.73	172.72	614.41	201.62	944.22	890.32	53.90	17.518		
7,300.00	7,116.35	7,253.28	7,214.56	36.58	28.12	172.50	624.52	208.13	957.00	902.32	54.67	17.504		
7,400.00	7,213.50	7,347.95	7,306.29	37.10	28.52	150.89	633.86	229.11	970.05	914.55	55.50	17.479		
7,500.00	7,308.63	7,439.78	7,390.84	37.62	28.91	124.53	642.26	263.69	983.15	926.79	56.35	17.446		
7,600.00	7,398.87	7,529.49	7,467.12	38.14	29.31	110.85	649.64	310.14	995.79	938.55	57.25	17.395		
7,700.00	7,481.47	7,617.48	7,534.07	38.64	29.73	102.88	655.91	366.77	1,007.52	949.33	58.19	17.313		
7,800.00	7,553.92	7,704.13	7,590.82	39.13	30.19	97.75	661.00	431.94	1,017.91	958.67	59.24	17.184		
7,900.00	7,614.02	7,789.74	7,636.68	39.62	30.72	94.29	664.86	504.03	1,026.57	966.14	60.44	16.986		
8,000.00	7,659.94	7,874.61	7,671.12	40.13	31.36	91.99	667.45	581.47	1,033.21	971.37	61.84	16.707		
8,100.00	7,690.28	7,958.99	7,693.72	40.68	32.13	90.61	668.76	662.68	1,037.59	974.10	63.49	16.343		
8,200.00	7,704.13	8,043.13	7,704.22	41.29	33.02	90.03	668.76	746.09	1,039.56	974.18	65.37	15.902		
8,300.00	7,705.00	8,137.45	7,705.00	41.99	34.16	90.00	667.61	840.38	1,039.66	971.89	67.77	15.341		
8,400.00	7,705.00	8,237.45	7,705.00	42.83	35.53	90.00	666.30	940.38	1,039.66	969.05	70.61	14.724		
8,500.00	7,705.00	8,337.45	7,705.00	43.83	37.05	90.00	664.99	1,040.37	1,039.66	965.93	73.73	14.101		
8,600.00	7,705.00	8,437.45	7,705.00	44.99	38.70	90.00	663.68	1,140.36	1,039.66	962.55	77.11	13.483		
8,700.00	7,705.00	8,537.45	7,705.00	46.30	40.47	90.00	662.37	1,240.35	1,039.66	958.96	80.70	12.883		
8,800.00	7,705.00	8,637.45	7,705.00	47.76	42.34	90.00	661.06	1,340.34	1,039.65	955.17	84.49	12.306		
8,900.00	7,705.00	8,737.45	7,705.00	49.34	44.30	90.00	659.75	1,440.33	1,039.65	951.21	88.44	11.756		
9,000.00	7,705.00	8,837.45	7,705.00	51.04	46.34	90.00	658.44	1,540.32	1,039.65	947.12	92.54	11.235		
9,100.00	7,705.00	8,937.45	7,705.00	52.84	48.44	90.00	657.13	1,640.32	1,039.65	942.89	96.76	10.744		
9,200.00	7,705.00	9,037.45	7,705.00	54.74	50.60	90.00	655.82	1,740.31	1,039.65	938.55	101.10	10.284		
9,300.00	7,705.00	9,137.45	7,705.00	56.71	52.80	90.00	654.51	1,840.30	1,039.65	934.12	105.53	9.852		
9,400.00	7,705.00	9,237.45	7,705.00	58.75	55.06	90.00	653.20	1,940.29	1,039.65	929.60	110.05	9.447		
9,500.00	7,705.00	9,337.45	7,705.00	60.84	57.35	90.00	651.90	2,040.28	1,039.65	925.00	114.65	9.068		
9,600.00	7,705.00	9,437.45	7,705.00	63.00	59.67	90.00	650.59	2,140.27	1,039.64	920.34	119.31	8.714		
9,700.00	7,705.00	9,537.45	7,705.00	65.19	62.03	90.00	649.28	2,240.26	1,039.64	915.62	124.03	8.382		
9,800.00	7,705.00	9,637.45	7,705.00	67.43	64.41	90.00	647.97	2,340.26	1,039.64	910.84	128.80	8.072		
9,900.00	7,705.00	9,737.45	7,705.00	69.71	66.82	90.00	646.66	2,440.25	1,039.64	906.02	133.62	7.781		
10,000.00	7,705.00	9,837.45	7,705.00	72.01	69.25	90.00	645.35	2,540.24	1,039.64	901.16	138.48	7.507		
10,100.00	7,705.00	9,937.45	7,705.00	74.35	71.70	90.00	644.04	2,640.23	1,039.64	896.25	143.38	7.251		
10,200.00	7,705.00	10,037.45	7,705.00	76.71	74.16	90.00	642.73	2,740.22	1,039.64	891.32	148.32	7.010		
10,300.00	7,705.00	10,137.45	7,705.00	79.10	76.64	90.00	641.42	2,840.21	1,039.63	886.35	153.28	6.782		

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 11-12 1BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 1BH	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 10-T4S-R65W - PROSPER FARMS 4-65 11-12 2BH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,400.00	7,705.00	10,237.45	7,705.00	81.50	79.14	90.00	640.11	2,940.20	1,039.63	881.36	158.28	6.568		
10,500.00	7,705.00	10,337.45	7,705.00	83.93	81.65	90.00	638.80	3,040.20	1,039.63	876.34	163.30	6.367		
10,600.00	7,705.00	10,437.45	7,705.00	86.37	84.17	90.00	637.49	3,140.19	1,039.63	871.29	168.34	6.176		
10,700.00	7,705.00	10,537.45	7,705.00	88.83	86.70	90.00	636.18	3,240.18	1,039.63	866.23	173.40	5.996		
10,800.00	7,705.00	10,637.45	7,705.00	91.30	89.24	90.00	634.87	3,340.17	1,039.63	861.15	178.48	5.825		
10,900.00	7,705.00	10,737.45	7,705.00	93.78	91.79	90.00	633.56	3,440.16	1,039.63	856.04	183.58	5.663		
11,000.00	7,705.00	10,837.45	7,705.00	96.28	94.34	90.00	632.25	3,540.15	1,039.63	850.93	188.70	5.509		
11,100.00	7,705.00	10,937.45	7,705.00	98.79	96.91	90.00	630.94	3,640.14	1,039.62	845.80	193.83	5.364		
11,200.00	7,705.00	11,037.45	7,705.00	101.31	99.48	90.00	629.63	3,740.14	1,039.62	840.65	198.97	5.225		
11,300.00	7,705.00	11,137.45	7,705.00	103.84	102.06	90.00	628.32	3,840.13	1,039.62	835.49	204.13	5.093		
11,400.00	7,705.00	11,237.45	7,705.00	106.37	104.64	90.00	627.01	3,940.12	1,039.62	830.32	209.30	4.967		
11,500.00	7,705.00	11,337.45	7,705.00	108.92	107.23	90.00	625.70	4,040.11	1,039.62	825.14	214.48	4.847		
11,600.00	7,705.00	11,437.45	7,705.00	111.47	109.83	90.00	624.39	4,140.10	1,039.62	819.95	219.67	4.733		
11,700.00	7,705.00	11,537.45	7,705.00	114.03	112.43	90.00	623.08	4,240.09	1,039.62	814.74	224.87	4.623		
11,800.00	7,705.00	11,637.45	7,705.00	116.59	115.03	90.00	621.77	4,340.08	1,039.61	809.53	230.08	4.518		
11,900.00	7,705.00	11,737.45	7,705.00	119.16	117.64	90.00	620.46	4,440.08	1,039.61	804.32	235.30	4.418		
12,000.00	7,705.00	11,837.45	7,705.00	121.74	120.25	90.00	619.15	4,540.07	1,039.61	799.09	240.52	4.322		
12,100.00	7,705.00	11,937.45	7,705.00	124.32	122.87	90.00	617.84	4,640.06	1,039.61	793.86	245.75	4.230		
12,200.00	7,705.00	12,037.45	7,705.00	126.91	125.49	90.00	616.53	4,740.05	1,039.61	788.62	250.99	4.142		
12,300.00	7,705.00	12,137.45	7,705.00	129.50	128.11	90.00	615.22	4,840.04	1,039.61	783.37	256.24	4.057		
12,400.00	7,705.00	12,237.45	7,705.00	132.10	130.73	90.00	613.91	4,940.03	1,039.61	778.12	261.49	3.976		
12,500.00	7,705.00	12,337.45	7,705.00	134.70	133.36	90.00	612.60	5,040.02	1,039.60	772.86	266.75	3.897		
12,600.00	7,705.00	12,437.45	7,705.00	137.30	135.99	90.00	611.30	5,140.02	1,039.60	767.60	272.01	3.822		
12,700.00	7,705.00	12,537.45	7,705.00	139.91	138.63	90.00	609.99	5,240.01	1,039.60	762.33	277.27	3.749		
12,800.00	7,705.00	12,637.45	7,705.00	142.52	141.26	90.00	608.68	5,340.00	1,039.60	757.05	282.55	3.679		
12,900.00	7,705.00	12,737.45	7,705.00	145.13	143.90	90.00	607.37	5,439.99	1,039.60	751.78	287.82	3.612		
13,000.00	7,705.00	12,837.45	7,705.00	147.75	146.54	90.00	606.06	5,539.98	1,039.60	746.49	293.10	3.547		
13,100.00	7,705.00	12,937.45	7,705.00	150.37	149.18	90.00	604.75	5,639.97	1,039.60	741.21	298.39	3.484		
13,200.00	7,705.00	13,037.45	7,705.00	152.99	151.83	90.00	603.44	5,739.96	1,039.60	735.92	303.68	3.423		
13,300.00	7,705.00	13,137.45	7,705.00	155.62	154.47	90.00	602.13	5,839.96	1,039.59	730.63	308.97	3.365		
13,400.00	7,705.00	13,237.45	7,705.00	158.24	157.12	90.00	600.82	5,939.95	1,039.59	725.33	314.26	3.308		
13,500.00	7,705.00	13,337.45	7,705.00	160.87	159.77	90.00	599.51	6,039.94	1,039.59	720.03	319.56	3.253		
13,600.00	7,705.00	13,437.45	7,705.00	163.50	162.42	90.00	598.20	6,139.93	1,039.59	714.73	324.86	3.200		
13,700.00	7,705.00	13,537.45	7,705.00	166.14	165.07	90.00	596.89	6,239.92	1,039.59	709.42	330.17	3.149		
13,800.00	7,705.00	13,637.45	7,705.00	168.78	167.73	90.00	595.58	6,339.91	1,039.59	704.11	335.47	3.099		
13,900.00	7,705.00	13,737.45	7,705.00	171.41	170.38	90.00	594.27	6,439.90	1,039.59	698.80	340.78	3.051		
14,000.00	7,705.00	13,837.45	7,705.00	174.05	173.04	90.00	592.96	6,539.90	1,039.58	693.49	346.10	3.004		
14,100.00	7,705.00	13,937.45	7,705.00	176.69	175.70	90.00	591.65	6,639.89	1,039.58	688.17	351.41	2.958		
14,200.00	7,705.00	14,037.45	7,705.00	179.34	178.35	90.00	590.34	6,739.88	1,039.58	682.85	356.73	2.914		
14,300.00	7,705.00	14,137.45	7,705.00	181.98	181.01	90.00	589.03	6,839.87	1,039.58	677.53	362.05	2.871		
14,400.00	7,705.00	14,237.45	7,705.00	184.63	183.68	90.00	587.72	6,939.86	1,039.58	672.21	367.37	2.830		
14,500.00	7,705.00	14,337.45	7,705.00	187.28	186.34	90.00	586.41	7,039.85	1,039.58	666.88	372.69	2.789		
14,600.00	7,705.00	14,437.45	7,705.00	189.93	189.00	90.00	585.10	7,139.84	1,039.58	661.56	378.02	2.750		
14,700.00	7,705.00	14,537.45	7,705.00	192.58	191.66	90.00	583.79	7,239.83	1,039.57	656.23	383.35	2.712		
14,800.00	7,705.00	14,637.45	7,705.00	195.23	194.33	90.00	582.48	7,339.83	1,039.57	650.90	388.68	2.675		
14,900.00	7,705.00	14,737.45	7,705.00	197.88	196.99	90.00	581.17	7,439.82	1,039.57	645.57	394.01	2.638		
15,000.00	7,705.00	14,837.45	7,705.00	200.53	199.66	90.00	579.86	7,539.81	1,039.57	640.23	399.34	2.603		
15,100.00	7,705.00	14,937.45	7,705.00	203.19	202.33	90.00	578.55	7,639.80	1,039.57	634.90	404.67	2.569		
15,200.00	7,705.00	15,037.45	7,705.00	205.85	204.99	90.00	577.24	7,739.79	1,039.57	629.56	410.01	2.535		
15,300.00	7,705.00	15,137.45	7,705.00	208.50	207.66	90.00	575.93	7,839.78	1,039.57	624.22	415.35	2.503		
15,400.00	7,705.00	15,237.45	7,705.00	211.16	210.33	90.00	574.62	7,939.77	1,039.57	618.88	420.68	2.471		
15,500.00	7,705.00	15,337.45	7,705.00	213.82	213.00	90.00	573.31	8,039.77	1,039.56	613.54	426.02	2.440		

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 11-12 1BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 1BH	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 10-T4S-R65W - PROSPER FARMS 4-65 11-12 2BH - OWB - PROPOSAL 1												Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
15,600.00	7,705.00	15,437.45	7,705.00	216.48	215.67	90.00	572.01	8,139.76	1,039.56	608.20	431.37	2.410	
15,700.00	7,705.00	15,537.45	7,705.00	219.14	218.34	90.00	570.70	8,239.75	1,039.56	602.85	436.71	2.380	
15,800.00	7,705.00	15,637.45	7,705.00	221.80	221.02	90.00	569.39	8,339.74	1,039.56	597.51	442.05	2.352	
15,900.00	7,705.00	15,737.45	7,705.00	224.47	223.69	90.00	568.08	8,439.73	1,039.56	592.16	447.40	2.324	
16,000.00	7,705.00	15,837.45	7,705.00	227.13	226.36	90.00	566.77	8,539.72	1,039.56	586.82	452.74	2.296	
16,100.00	7,705.00	15,937.45	7,705.00	229.79	229.03	90.00	565.46	8,639.71	1,039.56	581.47	458.09	2.269	
16,200.00	7,705.00	16,037.45	7,705.00	232.46	231.71	90.00	564.15	8,739.71	1,039.55	576.12	463.44	2.243	
16,300.00	7,705.00	16,137.45	7,705.00	235.13	234.38	90.00	562.84	8,839.70	1,039.55	570.77	468.79	2.218	
16,400.00	7,705.00	16,237.45	7,705.00	237.79	237.06	90.00	561.53	8,939.69	1,039.55	565.42	474.14	2.193	
16,500.00	7,705.00	16,337.45	7,705.00	240.46	239.73	90.00	560.22	9,039.68	1,039.55	560.06	479.49	2.168	
16,600.00	7,705.00	16,437.45	7,705.00	243.13	242.41	90.00	558.91	9,139.67	1,039.55	554.71	484.84	2.144	
16,700.00	7,705.00	16,537.45	7,705.00	245.80	245.09	90.00	557.60	9,239.66	1,039.55	549.36	490.19	2.121	
16,800.00	7,705.00	16,637.45	7,705.00	248.46	247.76	90.00	556.29	9,339.65	1,039.55	544.00	495.54	2.098	
16,900.00	7,705.00	16,737.45	7,705.00	251.13	250.44	90.00	554.98	9,439.65	1,039.54	538.65	500.90	2.075	
17,000.00	7,705.00	16,837.45	7,705.00	253.80	253.12	90.00	553.67	9,539.64	1,039.54	533.29	506.25	2.053	
17,100.00	7,705.00	16,937.45	7,705.00	256.47	255.80	90.00	552.36	9,639.63	1,039.54	527.93	511.61	2.032	
17,200.00	7,705.00	17,037.45	7,705.00	259.15	258.47	90.00	551.05	9,739.62	1,039.54	522.57	516.97	2.011	
17,300.00	7,705.00	17,137.45	7,705.00	261.82	261.15	90.00	549.74	9,839.61	1,039.54	517.22	522.32	1.990	
17,400.00	7,705.00	17,237.45	7,705.00	264.49	263.83	90.00	548.43	9,939.60	1,039.54	511.86	527.68	1.970	
17,500.00	7,705.00	17,337.45	7,705.00	267.16	266.51	90.00	547.12	10,039.59	1,039.54	506.50	533.04	1.950	
17,600.00	7,705.00	17,437.45	7,705.00	269.84	269.19	90.00	545.81	10,139.59	1,039.54	501.13	538.40	1.931	
17,700.00	7,705.00	17,537.45	7,705.00	272.51	271.87	90.00	544.50	10,239.58	1,039.53	495.77	543.76	1.912	
17,800.00	7,705.00	17,637.45	7,705.00	275.18	274.55	90.00	543.19	10,339.57	1,039.53	490.41	549.12	1.893	
17,900.00	7,705.00	17,737.45	7,705.00	277.86	277.23	90.00	541.88	10,439.56	1,039.53	485.05	554.48	1.875	
18,000.00	7,705.00	17,837.45	7,705.00	280.53	279.91	90.00	540.57	10,539.55	1,039.53	479.68	559.84	1.857	
18,100.00	7,705.00	17,937.45	7,705.00	283.21	282.59	90.00	539.26	10,639.54	1,039.53	474.32	565.21	1.839	
18,120.90	7,705.00	17,958.35	7,705.00	283.77	283.16	90.00	538.99	10,660.44	1,039.53	473.20	566.33	1.836 SF	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 11-12 1BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 1BH	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 10-T4S-R65W - PROSPER FARMS 4-65 11-12 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	1.00	-1.00	0.00	0.00	-179.46	-119.84	-1.13	119.85					
100.00	100.00	101.00	99.00	0.13	0.14	-179.46	-119.84	-1.13	119.85	119.58	0.27	439.914	CC, ES	
200.00	199.98	198.98	198.98	0.49	0.49	173.04	-119.84	-1.13	121.58	120.60	0.99	123.398		
300.00	299.84	294.68	294.66	0.86	0.82	173.18	-121.39	-0.88	128.39	126.69	1.70	75.647		
400.00	399.45	389.36	389.22	1.23	1.15	173.22	-126.02	-0.14	141.90	139.49	2.41	58.943		
500.00	498.70	482.45	481.99	1.63	1.49	173.18	-133.58	1.07	162.00	158.89	3.12	51.999		
600.00	597.47	573.38	572.32	2.04	1.84	173.08	-143.84	2.70	188.56	184.74	3.82	49.417		
700.00	695.62	661.63	659.63	2.49	2.20	172.95	-156.49	4.72	221.36	216.86	4.50	49.156		
800.00	793.09	750.88	747.57	2.97	2.58	172.85	-171.57	7.12	259.64	254.45	5.20	49.968		
900.00	890.37	842.81	838.10	3.46	2.99	172.83	-187.37	9.64	298.99	293.11	5.88	50.866		
1,000.00	987.65	934.75	928.63	3.96	3.40	172.82	-203.17	12.16	338.33	331.77	6.57	51.521		
1,100.00	1,084.94	1,026.68	1,019.16	4.47	3.82	172.81	-218.97	14.68	377.68	370.42	7.26	52.028		
1,200.00	1,182.22	1,118.62	1,109.69	4.98	4.24	172.80	-234.77	17.20	417.02	409.07	7.96	52.402		
1,300.00	1,279.50	1,210.55	1,200.23	5.49	4.66	172.79	-250.57	19.72	456.37	447.71	8.66	52.697		
1,400.00	1,376.78	1,302.49	1,290.76	6.00	5.08	172.79	-266.37	22.23	495.72	486.35	9.36	52.934		
1,500.00	1,474.06	1,405.58	1,381.29	6.51	5.56	172.78	-282.17	24.75	535.06	524.95	10.11	52.906		
1,600.00	1,571.34	1,486.36	1,471.82	7.02	5.93	172.78	-297.97	27.27	574.41	563.63	10.78	53.288		
1,700.00	1,668.62	1,578.29	1,562.35	7.54	6.35	172.77	-313.77	29.79	613.75	602.26	11.49	53.422		
1,800.00	1,765.90	1,670.22	1,652.88	8.05	6.78	172.77	-329.57	32.31	653.10	640.90	12.20	53.536		
1,900.00	1,863.18	1,762.16	1,743.41	8.57	7.21	172.77	-345.37	34.83	692.44	679.53	12.91	53.633		
2,000.00	1,960.46	1,854.09	1,833.95	9.09	7.63	172.76	-361.17	37.35	731.79	718.16	13.62	53.717		
2,100.00	2,057.74	1,946.03	1,924.48	9.60	8.06	172.76	-376.97	39.87	771.13	756.80	14.34	53.790		
2,200.00	2,155.03	2,037.96	2,015.01	10.12	8.49	172.76	-392.77	42.39	810.48	795.43	15.05	53.854		
2,300.00	2,252.31	2,129.90	2,105.54	10.64	8.92	172.76	-408.58	44.91	849.82	834.06	15.76	53.910		
2,400.00	2,349.59	2,221.83	2,196.07	11.15	9.34	172.76	-424.38	47.42	889.17	872.69	16.48	53.960		
2,500.00	2,446.87	2,313.76	2,286.60	11.67	9.77	172.75	-440.18	49.94	928.52	911.32	17.19	54.004		
2,600.00	2,544.15	2,405.70	2,377.13	12.19	10.20	172.75	-455.98	52.46	967.86	949.95	17.91	54.044		
2,700.00	2,641.43	2,502.37	2,467.67	12.71	10.65	172.75	-471.78	54.98	1,007.21	988.56	18.64	54.027		
2,800.00	2,738.71	2,589.57	2,558.20	13.23	11.06	172.75	-487.58	57.50	1,046.55	1,027.21	19.34	54.111		
2,900.00	2,835.99	2,681.50	2,648.73	13.74	11.49	172.75	-503.38	60.02	1,085.90	1,065.84	20.06	54.140		
3,000.00	2,933.27	2,773.44	2,739.26	14.26	11.92	172.75	-519.18	62.54	1,125.24	1,104.47	20.77	54.166		
3,100.00	3,030.55	2,865.37	2,829.79	14.78	12.34	172.75	-534.98	65.06	1,164.59	1,143.10	21.49	54.190		
3,200.00	3,127.83	2,957.31	2,920.32	15.30	12.77	172.75	-550.78	67.58	1,203.93	1,181.73	22.21	54.212		
3,300.00	3,225.12	3,049.24	3,010.85	15.82	13.20	172.75	-566.58	70.10	1,243.28	1,220.35	22.93	54.231		
3,400.00	3,322.40	3,141.17	3,101.39	16.34	13.63	172.74	-582.38	72.61	1,282.62	1,258.98	23.64	54.249		
3,500.00	3,419.68	3,233.11	3,191.92	16.85	14.06	172.74	-598.18	75.13	1,321.97	1,297.61	24.36	54.266		
3,600.00	3,516.96	3,325.04	3,282.45	17.37	14.49	172.74	-613.98	77.65	1,361.31	1,336.24	25.08	54.281		
3,700.00	3,614.24	3,416.98	3,372.98	17.89	14.92	172.74	-629.78	80.17	1,400.66	1,374.86	25.80	54.294		
3,800.00	3,711.52	3,508.91	3,463.51	18.41	15.35	172.74	-645.58	82.69	1,440.01	1,413.49	26.52	54.307		
3,900.00	3,808.80	3,600.85	3,554.04	18.93	15.78	172.74	-661.38	85.21	1,479.35	1,452.12	27.23	54.318		
4,000.00	3,906.08	3,707.22	3,644.57	19.45	16.27	172.74	-677.18	87.73	1,518.70	1,490.69	28.01	54.222		
4,100.00	4,003.36	3,784.72	3,735.11	19.97	16.64	172.74	-692.98	90.25	1,558.04	1,529.37	28.67	54.339		
4,200.00	4,100.64	3,876.65	3,825.64	20.49	17.07	172.74	-708.78	92.77	1,597.39	1,568.00	29.39	54.348		
4,300.00	4,197.92	3,968.58	3,916.17	21.00	17.50	172.74	-724.58	95.29	1,636.73	1,606.62	30.11	54.356		
4,400.00	4,295.20	4,060.52	4,006.70	21.52	17.93	172.74	-740.39	97.80	1,676.08	1,645.25	30.83	54.363		
4,500.00	4,392.49	4,152.45	4,097.23	22.04	18.35	172.74	-756.19	100.32	1,715.42	1,683.87	31.55	54.370		
4,600.00	4,489.77	4,244.39	4,187.76	22.56	18.78	172.74	-771.99	102.84	1,754.77	1,722.50	32.27	54.376		
4,700.00	4,587.05	4,336.32	4,278.29	23.08	19.21	172.74	-787.79	105.36	1,794.11	1,761.12	32.99	54.382		
4,800.00	4,684.33	4,428.26	4,368.83	23.60	19.64	172.74	-803.59	107.88	1,833.46	1,799.75	33.71	54.387		
4,900.00	4,781.61	4,520.19	4,459.36	24.12	20.07	172.74	-819.39	110.40	1,872.81	1,838.37	34.43	54.391		
5,000.00	4,878.89	4,612.13	4,549.89	24.64	20.50	172.74	-835.19	112.92	1,912.15	1,877.00	35.15	54.395		
5,100.00	4,976.17	4,704.06	4,640.42	25.16	20.93	172.74	-850.99	115.44	1,951.50	1,915.62	35.87	54.399		

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 11-12 1BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 1BH	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 10-T4S-R65W - PROSPER FARMS 4-65 11-12 4AH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	5,073.45	4,804.01	4,730.95	25.68	21.40	172.74	-866.79	117.96	1,990.84	1,954.22	36.63	54.357		
5,300.00	5,170.73	4,887.93	4,821.48	26.19	21.79	172.74	-882.59	120.47	2,030.19	1,992.87	37.32	54.405		
5,400.00	5,268.01	4,979.86	4,912.01	26.71	22.22	172.74	-898.39	122.99	2,069.53	2,031.50	38.04	54.408		
5,500.00	5,365.29	5,071.80	5,002.54	27.23	22.65	172.73	-914.19	125.51	2,108.88	2,070.12	38.76	54.410		
5,600.00	5,462.58	5,163.73	5,093.08	27.75	23.08	172.73	-929.99	128.03	2,148.22	2,108.74	39.48	54.412		
5,700.00	5,559.86	5,255.67	5,183.61	28.27	23.51	172.73	-945.79	130.55	2,187.57	2,147.37	40.20	54.413		
5,800.00	5,657.14	5,347.60	5,274.14	28.79	23.94	172.73	-961.59	133.07	2,226.91	2,185.99	40.93	54.415		
5,900.00	5,754.42	5,439.53	5,364.67	29.31	24.37	172.73	-977.39	135.59	2,266.26	2,224.61	41.65	54.415		
6,000.00	5,851.70	5,531.47	5,455.20	29.83	24.80	172.73	-993.19	138.11	2,305.61	2,263.24	42.37	54.416		
6,100.00	5,948.98	5,623.40	5,545.73	30.35	25.23	172.73	-1,008.99	140.63	2,344.95	2,301.86	43.09	54.417		
6,200.00	6,046.26	5,715.34	5,636.26	30.87	25.66	172.73	-1,024.79	143.15	2,384.30	2,340.48	43.82	54.417		
6,300.00	6,143.54	5,807.27	5,726.80	31.39	26.09	172.73	-1,040.59	145.66	2,423.64	2,379.10	44.54	54.417		
6,400.00	6,240.82	5,900.79	5,817.33	31.91	26.53	172.73	-1,056.39	148.18	2,462.99	2,417.72	45.27	54.409		
6,500.00	6,338.10	6,008.86	5,907.86	32.42	27.03	172.73	-1,072.19	150.70	2,502.33	2,456.28	46.05	54.336		
6,600.00	6,435.38	6,083.08	5,998.39	32.94	27.38	172.73	-1,088.00	153.22	2,541.68	2,494.97	46.71	54.415		
6,700.00	6,532.66	6,175.01	6,088.92	33.46	27.81	172.73	-1,103.80	155.74	2,581.02	2,533.59	47.43	54.414		
6,800.00	6,629.95	6,266.94	6,179.45	33.98	28.24	172.73	-1,119.60	158.26	2,620.37	2,572.21	48.16	54.413		
6,900.00	6,727.23	6,358.88	6,269.98	34.50	28.67	172.73	-1,135.40	160.78	2,659.71	2,610.83	48.88	54.412		
7,000.00	6,824.51	6,450.81	6,360.52	35.02	29.10	172.73	-1,151.20	163.30	2,699.06	2,649.45	49.61	54.410		
7,100.00	6,921.79	6,542.75	6,451.05	35.54	29.53	172.73	-1,167.00	165.82	2,738.41	2,688.08	50.33	54.408		
7,200.00	7,019.07	6,634.68	6,541.58	36.06	29.96	172.73	-1,182.80	168.34	2,777.75	2,726.70	51.06	54.407		
7,300.00	7,116.35	6,726.62	6,632.11	36.58	30.39	172.73	-1,198.60	170.85	2,817.10	2,765.32	51.78	54.405		
7,400.00	7,213.50	6,818.49	6,722.59	37.10	30.82	150.58	-1,214.39	173.37	2,856.39	2,803.88	52.51	54.398		
7,500.00	7,308.63	6,908.93	6,811.64	37.62	31.24	122.68	-1,229.93	175.85	2,894.96	2,841.71	53.25	54.367		
7,600.00	7,398.87	7,004.77	6,896.63	38.14	31.69	107.81	-1,244.76	178.21	2,931.93	2,877.91	54.02	54.274		
7,700.00	7,481.47	7,074.78	6,974.97	38.64	32.02	98.90	-1,258.44	180.39	2,966.73	2,912.02	54.71	54.227		
7,800.00	7,553.92	7,145.16	7,044.27	39.13	32.35	92.97	-1,270.53	182.32	2,999.03	2,943.60	55.43	54.105		
7,900.00	7,614.02	7,204.24	7,102.44	39.62	32.62	88.72	-1,280.69	183.94	3,028.65	2,972.48	56.16	53.925		
8,000.00	7,659.94	7,250.20	7,147.71	40.13	32.84	85.51	-1,288.59	185.20	3,055.47	2,998.53	56.93	53.667		
8,100.00	7,690.28	7,344.42	7,240.01	40.68	33.28	84.11	-1,304.78	193.98	3,079.16	3,020.93	58.23	52.882		
8,200.00	7,704.13	7,644.06	7,504.22	41.29	34.71	86.73	-1,352.55	319.13	3,097.98	3,036.69	61.28	50.553		
8,300.00	7,705.00	8,203.46	7,705.00	41.99	38.20	90.02	-1,394.42	810.38	3,101.91	3,033.58	68.33	45.394		
8,400.00	7,705.00	8,303.46	7,705.00	42.83	39.22	90.02	-1,395.83	910.37	3,102.01	3,030.86	71.15	43.597		
8,500.00	7,705.00	8,403.46	7,705.00	43.83	40.41	90.02	-1,397.24	1,010.36	3,102.11	3,027.85	74.25	41.777		
8,600.00	7,705.00	8,503.46	7,705.00	44.99	41.77	90.02	-1,398.64	1,110.35	3,102.20	3,024.59	77.61	39.972		
8,700.00	7,705.00	8,596.54	7,705.00	46.30	43.17	90.02	-1,400.05	1,210.34	3,102.30	3,021.24	81.05	38.274		
8,800.00	7,705.00	8,703.46	7,705.00	47.76	44.93	90.02	-1,401.45	1,310.33	3,102.39	3,017.44	84.95	36.521		
8,900.00	7,705.00	8,803.46	7,705.00	49.34	46.69	90.02	-1,402.86	1,410.32	3,102.49	3,013.60	88.88	34.905		
9,000.00	7,705.00	8,903.46	7,705.00	51.04	48.56	90.02	-1,404.27	1,510.31	3,102.58	3,009.62	92.96	33.374		
9,100.00	7,705.00	9,003.46	7,705.00	52.84	50.51	90.02	-1,405.67	1,610.30	3,102.68	3,005.50	97.17	31.930		
9,200.00	7,705.00	9,103.46	7,705.00	54.74	52.54	90.02	-1,407.08	1,710.29	3,102.77	3,001.28	101.49	30.572		
9,300.00	7,705.00	9,203.46	7,705.00	56.71	54.63	90.02	-1,408.49	1,810.28	3,102.87	2,996.96	105.91	29.297		
9,400.00	7,705.00	9,303.46	7,705.00	58.75	56.78	90.02	-1,409.89	1,910.27	3,102.96	2,992.55	110.41	28.103		
9,500.00	7,705.00	9,403.46	7,705.00	60.84	58.98	90.02	-1,411.30	2,010.26	3,103.06	2,988.06	115.00	26.984		
9,600.00	7,705.00	9,503.46	7,705.00	63.00	61.23	90.02	-1,412.70	2,110.25	3,103.15	2,983.51	119.65	25.936		
9,700.00	7,705.00	9,603.46	7,705.00	65.19	63.51	90.02	-1,414.11	2,210.24	3,103.25	2,978.89	124.35	24.955		
9,800.00	7,705.00	9,703.46	7,705.00	67.43	65.82	90.02	-1,415.52	2,310.23	3,103.34	2,974.23	129.12	24.035		
9,900.00	7,705.00	9,803.46	7,705.00	69.71	68.17	90.02	-1,416.92	2,410.22	3,103.44	2,969.51	133.93	23.173		
10,000.00	7,705.00	9,903.46	7,705.00	72.01	70.54	90.02	-1,418.33	2,510.21	3,103.53	2,964.75	138.78	22.363		
10,100.00	7,705.00	10,003.46	7,705.00	74.35	72.94	90.02	-1,419.73	2,610.20	3,103.63	2,959.96	143.67	21.602		
10,200.00	7,705.00	10,103.46	7,705.00	76.71	75.35	90.02	-1,421.14	2,710.19	3,103.72	2,955.13	148.60	20.887		
10,300.00	7,705.00	10,203.46	7,705.00	79.10	77.79	90.02	-1,422.55	2,810.18	3,103.82	2,950.26	153.55	20.213		

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 11-12 1BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 1BH	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 10-T4S-R65W - PROSPER FARMS 4-65 11-12 4AH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,400.00	7,705.00	10,303.46	7,705.00	81.50	80.24	90.02	-1,423.95	2,910.17	3,103.91	2,945.37	158.54	19.578		
10,500.00	7,705.00	10,403.46	7,705.00	83.93	82.71	90.02	-1,425.36	3,010.16	3,104.01	2,940.46	163.55	18.979		
10,600.00	7,705.00	10,503.46	7,705.00	86.37	85.20	90.02	-1,426.77	3,110.15	3,104.10	2,935.52	168.59	18.412		
10,700.00	7,705.00	10,603.46	7,705.00	88.83	87.70	90.02	-1,428.17	3,210.14	3,104.20	2,930.55	173.64	17.877		
10,800.00	7,705.00	10,703.46	7,705.00	91.30	90.21	90.02	-1,429.58	3,310.13	3,104.29	2,925.57	178.72	17.370		
10,900.00	7,705.00	10,803.46	7,705.00	93.78	92.73	90.02	-1,430.98	3,410.12	3,104.39	2,920.57	183.81	16.889		
11,000.00	7,705.00	10,903.46	7,705.00	96.28	95.26	90.02	-1,432.39	3,510.11	3,104.48	2,915.56	188.92	16.432		
11,100.00	7,705.00	10,996.54	7,705.00	98.79	97.62	90.02	-1,433.80	3,610.10	3,104.58	2,910.71	193.87	16.013		
11,200.00	7,705.00	11,103.46	7,705.00	101.31	100.34	90.02	-1,435.20	3,710.09	3,104.67	2,905.48	199.19	15.586		
11,300.00	7,705.00	11,203.46	7,705.00	103.84	102.90	90.02	-1,436.61	3,810.08	3,104.77	2,900.43	204.34	15.194		
11,400.00	7,705.00	11,303.46	7,705.00	106.37	105.46	90.02	-1,438.02	3,910.07	3,104.86	2,895.36	209.51	14.820		
11,500.00	7,705.00	11,403.46	7,705.00	108.92	108.03	90.02	-1,439.42	4,010.06	3,104.96	2,890.27	214.69	14.463		
11,600.00	7,705.00	11,503.46	7,705.00	111.47	110.60	90.02	-1,440.83	4,110.05	3,105.05	2,885.18	219.87	14.122		
11,700.00	7,705.00	11,603.46	7,705.00	114.03	113.19	90.02	-1,442.23	4,210.04	3,105.15	2,880.08	225.07	13.796		
11,800.00	7,705.00	11,703.46	7,705.00	116.59	115.77	90.02	-1,443.64	4,310.03	3,105.24	2,874.97	230.27	13.485		
11,900.00	7,705.00	11,803.46	7,705.00	119.16	118.36	90.02	-1,445.05	4,410.02	3,105.34	2,869.85	235.49	13.187		
12,000.00	7,705.00	11,903.46	7,705.00	121.74	120.96	90.02	-1,446.45	4,510.01	3,105.43	2,864.73	240.71	12.901		
12,100.00	7,705.00	12,003.46	7,705.00	124.32	123.56	90.02	-1,447.86	4,610.00	3,105.53	2,859.59	245.94	12.627		
12,200.00	7,705.00	12,103.46	7,705.00	126.91	126.17	90.02	-1,449.26	4,709.99	3,105.63	2,854.45	251.17	12.364		
12,300.00	7,705.00	12,203.46	7,705.00	129.50	128.77	90.02	-1,450.67	4,809.98	3,105.72	2,849.30	256.42	12.112		
12,400.00	7,705.00	12,303.46	7,705.00	132.10	131.39	90.02	-1,452.08	4,909.97	3,105.82	2,844.15	261.66	11.869		
12,500.00	7,705.00	12,403.46	7,705.00	134.70	134.00	90.02	-1,453.48	5,009.96	3,105.91	2,838.99	266.92	11.636		
12,600.00	7,705.00	12,503.46	7,705.00	137.30	136.62	90.02	-1,454.89	5,109.95	3,106.01	2,833.83	272.18	11.412		
12,700.00	7,705.00	12,603.46	7,705.00	139.91	139.24	90.02	-1,456.30	5,209.94	3,106.10	2,828.66	277.44	11.195		
12,800.00	7,705.00	12,696.54	7,705.00	142.52	141.69	90.02	-1,457.70	5,309.93	3,106.20	2,823.67	282.53	10.994		
12,900.00	7,705.00	12,803.46	7,705.00	145.13	144.49	90.02	-1,459.11	5,409.92	3,106.29	2,818.31	287.99	10.786		
13,000.00	7,705.00	12,903.46	7,705.00	147.75	147.12	90.02	-1,460.51	5,509.92	3,106.39	2,813.12	293.26	10.592		
13,100.00	7,705.00	13,003.46	7,705.00	150.37	149.76	90.02	-1,461.92	5,609.91	3,106.48	2,807.94	298.55	10.405		
13,200.00	7,705.00	13,103.46	7,705.00	152.99	152.39	90.02	-1,463.33	5,709.90	3,106.58	2,802.74	303.83	10.225		
13,300.00	7,705.00	13,203.46	7,705.00	155.62	155.03	90.02	-1,464.73	5,809.89	3,106.67	2,797.55	309.12	10.050		
13,400.00	7,705.00	13,296.54	7,705.00	158.24	157.48	90.02	-1,466.14	5,909.88	3,106.77	2,792.54	314.23	9.887		
13,500.00	7,705.00	13,396.54	7,705.00	160.87	160.12	90.02	-1,467.54	6,009.87	3,106.86	2,787.33	319.53	9.723		
13,600.00	7,705.00	13,503.46	7,705.00	163.50	162.95	90.02	-1,468.95	6,109.86	3,106.96	2,781.95	325.01	9.560		
13,700.00	7,705.00	13,603.46	7,705.00	166.14	165.59	90.02	-1,470.36	6,209.85	3,107.05	2,776.74	330.31	9.406		
13,800.00	7,705.00	13,703.46	7,705.00	168.78	168.24	90.02	-1,471.76	6,309.84	3,107.15	2,771.53	335.62	9.258		
13,900.00	7,705.00	13,803.46	7,705.00	171.41	170.89	90.02	-1,473.17	6,409.83	3,107.24	2,766.31	340.93	9.114		
14,000.00	7,705.00	13,903.46	7,705.00	174.05	173.54	90.02	-1,474.58	6,509.82	3,107.34	2,761.10	346.24	8.975		
14,100.00	7,705.00	14,003.46	7,705.00	176.69	176.19	90.02	-1,475.98	6,609.81	3,107.43	2,755.88	351.55	8.839		
14,200.00	7,705.00	14,103.47	7,705.00	179.34	178.84	90.02	-1,477.39	6,709.80	3,107.53	2,750.66	356.87	8.708		
14,300.00	7,705.00	14,203.47	7,705.00	181.98	181.49	90.02	-1,478.79	6,809.79	3,107.62	2,745.44	362.19	8.580		
14,400.00	7,705.00	14,303.47	7,705.00	184.63	184.15	90.02	-1,480.20	6,909.78	3,107.72	2,740.21	367.51	8.456		
14,500.00	7,705.00	14,403.47	7,705.00	187.28	186.80	90.02	-1,481.61	7,009.77	3,107.81	2,734.98	372.83	8.336		
14,600.00	7,705.00	14,503.47	7,705.00	189.93	189.46	90.02	-1,483.01	7,109.76	3,107.91	2,729.76	378.15	8.219		
14,700.00	7,705.00	14,603.47	7,705.00	192.58	192.12	90.02	-1,484.42	7,209.75	3,108.00	2,724.52	383.48	8.105		
14,800.00	7,705.00	14,703.47	7,705.00	195.23	194.78	90.02	-1,485.82	7,309.74	3,108.10	2,719.29	388.81	7.994		
14,900.00	7,705.00	14,803.47	7,705.00	197.88	197.44	90.02	-1,487.23	7,409.73	3,108.19	2,714.06	394.14	7.886		
15,000.00	7,705.00	14,903.47	7,705.00	200.53	200.10	90.02	-1,488.64	7,509.72	3,108.29	2,708.82	399.47	7.781		
15,100.00	7,705.00	15,003.47	7,705.00	203.19	202.76	90.02	-1,490.04	7,609.71	3,108.38	2,703.58	404.80	7.679		
15,200.00	7,705.00	15,103.47	7,705.00	205.85	205.42	90.02	-1,491.45	7,709.70	3,108.48	2,698.34	410.14	7.579		
15,300.00	7,705.00	15,203.47	7,705.00	208.50	208.09	90.02	-1,492.86	7,809.69	3,108.57	2,693.10	415.47	7.482		
15,400.00	7,705.00	15,303.47	7,705.00	211.16	210.75	90.02	-1,494.26	7,909.68	3,108.67	2,687.86	420.81	7.387		
15,500.00	7,705.00	15,403.47	7,705.00	213.82	213.42	90.02	-1,495.67	8,009.67	3,108.76	2,682.62	426.15	7.295		

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 11-12 1BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 1BH	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 10-T4S-R65W - PROSPER FARMS 4-65 11-12 4AH - OWB - PROPOSAL 1												Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
15,600.00	7,705.00	15,503.47	7,705.00	216.48	216.08	90.02	-1,497.07	8,109.66	3,108.86	2,677.37	431.49	7.205	
15,700.00	7,705.00	15,603.47	7,705.00	219.14	218.75	90.02	-1,498.48	8,209.65	3,108.96	2,672.12	436.83	7.117	
15,800.00	7,705.00	15,703.47	7,705.00	221.80	221.42	90.02	-1,499.89	8,309.64	3,109.05	2,666.88	442.17	7.031	
15,900.00	7,705.00	15,803.47	7,705.00	224.47	224.08	90.02	-1,501.29	8,409.63	3,109.15	2,661.63	447.52	6.948	
16,000.00	7,705.00	15,903.47	7,705.00	227.13	226.75	90.02	-1,502.70	8,509.62	3,109.24	2,656.38	452.86	6.866	
16,100.00	7,705.00	16,003.47	7,705.00	229.79	229.42	90.02	-1,504.11	8,609.61	3,109.34	2,651.13	458.21	6.786	
16,200.00	7,705.00	16,103.47	7,705.00	232.46	232.09	90.02	-1,505.51	8,709.60	3,109.43	2,645.88	463.56	6.708	
16,300.00	7,705.00	16,203.47	7,705.00	235.13	234.76	90.02	-1,506.92	8,809.59	3,109.53	2,640.62	468.90	6.631	
16,400.00	7,705.00	16,303.47	7,705.00	237.79	237.43	90.02	-1,508.32	8,909.58	3,109.62	2,635.37	474.25	6.557	
16,500.00	7,705.00	16,403.47	7,705.00	240.46	240.11	90.02	-1,509.73	9,009.57	3,109.72	2,630.11	479.60	6.484	
16,600.00	7,705.00	16,503.47	7,705.00	243.13	242.78	90.02	-1,511.14	9,109.56	3,109.81	2,624.86	484.95	6.413	
16,700.00	7,705.00	16,603.47	7,705.00	245.80	245.45	90.02	-1,512.54	9,209.55	3,109.91	2,619.60	490.31	6.343	
16,800.00	7,705.00	16,703.47	7,705.00	248.46	248.13	90.02	-1,513.95	9,309.54	3,110.00	2,614.34	495.66	6.274	
16,900.00	7,705.00	16,803.47	7,705.00	251.13	250.80	90.02	-1,515.35	9,409.53	3,110.10	2,609.08	501.01	6.208	
17,000.00	7,705.00	16,903.47	7,705.00	253.80	253.47	90.02	-1,516.76	9,509.52	3,110.19	2,603.82	506.37	6.142	
17,100.00	7,705.00	17,003.47	7,705.00	256.47	256.15	90.02	-1,518.17	9,609.51	3,110.29	2,598.56	511.72	6.078	
17,200.00	7,705.00	17,103.47	7,705.00	259.15	258.82	90.02	-1,519.57	9,709.50	3,110.38	2,593.30	517.08	6.015	
17,300.00	7,705.00	17,203.47	7,705.00	261.82	261.50	90.02	-1,520.98	9,809.49	3,110.48	2,588.04	522.44	5.954	
17,400.00	7,705.00	17,303.47	7,705.00	264.49	264.18	90.02	-1,522.39	9,909.48	3,110.57	2,582.78	527.79	5.894	
17,500.00	7,705.00	17,403.47	7,705.00	267.16	266.85	90.02	-1,523.79	10,009.47	3,110.67	2,577.52	533.15	5.834	
17,600.00	7,705.00	17,503.47	7,705.00	269.84	269.53	90.02	-1,525.20	10,109.46	3,110.76	2,572.25	538.51	5.777	
17,700.00	7,705.00	17,603.47	7,705.00	272.51	272.21	90.02	-1,526.60	10,209.45	3,110.86	2,566.99	543.87	5.720	
17,800.00	7,705.00	17,703.47	7,705.00	275.18	274.88	90.02	-1,528.01	10,309.44	3,110.95	2,561.72	549.23	5.664	
17,900.00	7,705.00	17,803.47	7,705.00	277.86	277.56	90.02	-1,529.42	10,409.43	3,111.05	2,556.46	554.59	5.610	
18,000.00	7,705.00	17,903.47	7,705.00	280.53	280.24	90.02	-1,530.82	10,509.42	3,111.14	2,551.19	559.95	5.556	
18,100.00	7,705.00	18,003.47	7,705.00	283.21	282.92	90.02	-1,532.23	10,609.41	3,111.24	2,545.92	565.31	5.504	
18,120.90	7,705.00	18,017.43	7,705.00	283.77	283.29	90.02	-1,532.52	10,630.30	3,111.26	2,545.01	566.25	5.495 SF	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 11-12 1BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 1BH	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 10-T4S-R65W - PROSPER FARMS 4-65 11-12 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	2.00	-2.00	0.00	0.00	-179.42	-139.88	-1.41	139.89					
100.00	100.00	98.00	98.00	0.13	0.13	-179.42	-139.88	-1.41	139.89	139.62	0.27	525.561	CC, ES	
200.00	199.98	193.36	193.35	0.49	0.46	172.99	-141.39	-1.25	143.20	142.24	0.97	147.867		
300.00	299.84	287.99	287.86	0.86	0.80	172.99	-146.01	-0.75	153.26	151.57	1.69	90.698		
400.00	399.45	381.35	380.90	1.23	1.15	172.98	-153.61	0.05	169.98	167.57	2.41	70.592		
500.00	498.70	472.85	471.80	1.63	1.51	172.97	-163.97	1.16	193.24	190.12	3.12	61.977		
600.00	597.47	561.94	559.94	2.04	1.88	172.94	-176.83	2.53	222.85	219.03	3.82	58.404		
700.00	695.62	648.14	644.80	2.49	2.27	172.91	-191.86	4.13	258.60	254.11	4.50	57.492		
800.00	793.09	731.09	726.00	2.97	2.66	172.89	-208.72	5.92	300.11	294.94	5.17	58.074		
900.00	890.37	826.42	803.40	3.46	3.14	172.90	-227.07	7.88	344.92	339.07	5.85	58.987		
1,000.00	987.65	900.69	889.27	3.96	3.53	172.88	-248.95	10.20	391.19	384.72	6.46	60.521		
1,100.00	1,084.94	987.96	975.15	4.47	4.00	172.86	-270.83	12.53	437.46	430.32	7.13	61.313		
1,200.00	1,182.22	1,076.61	1,061.03	4.98	4.48	172.85	-292.71	14.86	483.73	475.90	7.82	61.831		
1,300.00	1,279.50	1,165.26	1,146.91	5.49	4.96	172.84	-314.59	17.19	530.00	521.48	8.51	62.251		
1,400.00	1,376.78	1,253.92	1,232.78	6.00	5.44	172.83	-336.47	19.52	576.27	567.06	9.21	62.587		
1,500.00	1,474.06	1,342.57	1,318.66	6.51	5.93	172.82	-358.35	21.85	622.54	612.64	9.90	62.860		
1,600.00	1,571.34	1,431.22	1,404.54	7.02	6.41	172.81	-380.23	24.18	668.81	658.21	10.60	63.084		
1,700.00	1,668.62	1,519.87	1,490.41	7.54	6.90	172.80	-402.10	26.51	715.08	703.78	11.30	63.271		
1,800.00	1,765.90	1,608.52	1,576.29	8.05	7.39	172.80	-423.98	28.84	761.35	749.35	12.00	63.428		
1,900.00	1,863.18	1,702.83	1,662.17	8.57	7.91	172.79	-445.86	31.17	807.62	794.89	12.73	63.449		
2,000.00	1,960.46	1,785.82	1,748.05	9.09	8.37	172.79	-467.74	33.50	853.89	840.48	13.41	63.676		
2,100.00	2,057.74	1,874.47	1,833.92	9.60	8.86	172.79	-489.62	35.83	900.16	886.05	14.11	63.775		
2,200.00	2,155.03	1,963.13	1,919.80	10.12	9.35	172.78	-511.50	38.15	946.43	931.61	14.82	63.861		
2,300.00	2,252.31	2,051.78	2,005.68	10.64	9.84	172.78	-533.38	40.48	992.70	977.18	15.53	63.936		
2,400.00	2,349.59	2,140.43	2,091.56	11.15	10.33	172.78	-555.26	42.81	1,038.97	1,022.74	16.23	64.002		
2,500.00	2,446.87	2,229.08	2,177.43	11.67	10.82	172.78	-577.14	45.14	1,085.24	1,068.30	16.94	64.060		
2,600.00	2,544.15	2,317.73	2,263.31	12.19	11.31	172.77	-599.02	47.47	1,131.51	1,113.87	17.65	64.112		
2,700.00	2,641.43	2,406.38	2,349.19	12.71	11.81	172.77	-620.90	49.80	1,177.78	1,159.43	18.36	64.158		
2,800.00	2,738.71	2,504.97	2,435.07	13.23	12.35	172.77	-642.78	52.13	1,224.06	1,204.95	19.11	64.066		
2,900.00	2,835.99	2,583.68	2,520.94	13.74	12.79	172.77	-664.66	54.46	1,270.33	1,250.55	19.78	64.236		
3,000.00	2,933.27	2,672.34	2,606.82	14.26	13.28	172.77	-686.54	56.79	1,316.60	1,296.11	20.49	64.269		
3,100.00	3,030.55	2,760.99	2,692.70	14.78	13.77	172.76	-708.42	59.12	1,362.87	1,341.67	21.20	64.299		
3,200.00	3,127.83	2,849.64	2,778.57	15.30	14.27	172.76	-730.29	61.45	1,409.14	1,387.23	21.91	64.326		
3,300.00	3,225.12	2,938.29	2,864.45	15.82	14.76	172.76	-752.17	63.78	1,455.41	1,432.79	22.62	64.350		
3,400.00	3,322.40	3,026.94	2,950.33	16.34	15.25	172.76	-774.05	66.10	1,501.68	1,478.35	23.33	64.372		
3,500.00	3,419.68	3,115.59	3,036.21	16.85	15.74	172.76	-795.93	68.43	1,547.95	1,523.91	24.04	64.392		
3,600.00	3,516.96	3,204.24	3,122.08	17.37	16.24	172.76	-817.81	70.76	1,594.22	1,569.47	24.75	64.410		
3,700.00	3,614.24	3,307.11	3,207.96	17.89	16.81	172.76	-839.69	73.09	1,640.49	1,614.97	25.52	64.282		
3,800.00	3,711.52	3,381.55	3,293.84	18.41	17.22	172.75	-861.57	75.42	1,686.76	1,660.58	26.18	64.440		
3,900.00	3,808.80	3,470.20	3,379.72	18.93	17.72	172.75	-883.45	77.75	1,733.03	1,706.14	26.89	64.454		
4,000.00	3,906.08	3,558.85	3,465.59	19.45	18.21	172.75	-905.33	80.08	1,779.30	1,751.70	27.60	64.465		
4,100.00	4,003.36	3,647.50	3,551.47	19.97	18.70	172.75	-927.21	82.41	1,825.57	1,797.26	28.31	64.476		
4,200.00	4,100.64	3,736.15	3,637.35	20.49	19.19	172.75	-949.09	84.74	1,871.84	1,842.81	29.03	64.486		
4,300.00	4,197.92	3,824.80	3,723.23	21.00	19.69	172.75	-970.97	87.07	1,918.11	1,888.37	29.74	64.494		
4,400.00	4,295.20	3,913.45	3,809.10	21.52	20.18	172.75	-992.85	89.40	1,964.38	1,933.93	30.45	64.502		
4,500.00	4,392.49	4,002.10	3,894.98	22.04	20.67	172.75	-1,014.73	91.73	2,010.65	1,979.48	31.17	64.509		
4,600.00	4,489.77	4,109.24	3,980.86	22.56	21.27	172.75	-1,036.60	94.06	2,056.92	2,024.97	31.96	64.365		
4,700.00	4,587.05	4,179.41	4,066.73	23.08	21.66	172.75	-1,058.48	96.38	2,103.19	2,070.60	32.60	64.520		
4,800.00	4,684.33	4,268.06	4,152.61	23.60	22.15	172.75	-1,080.36	98.71	2,149.46	2,116.15	33.31	64.525		
4,900.00	4,781.61	4,356.71	4,238.49	24.12	22.65	172.75	-1,102.24	101.04	2,195.73	2,161.71	34.03	64.528		
5,000.00	4,878.89	4,445.36	4,324.37	24.64	23.14	172.75	-1,124.12	103.37	2,242.01	2,207.26	34.74	64.532		
5,100.00	4,976.17	4,534.01	4,410.24	25.16	23.63	172.75	-1,146.00	105.70	2,288.28	2,252.82	35.46	64.534		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 11-12 1BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 1BH	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 10-T4S-R65W - PROSPER FARMS 4-65 11-12 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		
5,200.00	5,073.45	4,622.66	4,496.12	25.68	24.13	172.74	-1,167.88	108.03	2,334.55	2,298.37	36.17	64.537		
5,300.00	5,170.73	4,711.31	4,582.00	26.19	24.62	172.74	-1,189.76	110.36	2,380.82	2,343.93	36.89	64.538		
5,400.00	5,268.01	4,800.03	4,667.88	26.71	25.11	172.74	-1,211.64	112.69	2,427.09	2,389.48	37.61	64.539		
5,500.00	5,365.29	4,888.62	4,753.75	27.23	25.61	172.74	-1,233.52	115.02	2,473.36	2,435.03	38.32	64.540		
5,600.00	5,462.58	4,977.27	4,839.63	27.75	26.10	172.74	-1,255.40	117.35	2,519.63	2,480.59	39.04	64.540		
5,700.00	5,559.86	5,065.92	4,925.51	28.27	26.59	172.74	-1,277.28	119.68	2,565.90	2,526.14	39.76	64.540		
5,800.00	5,657.14	5,154.57	5,011.39	28.79	27.09	172.74	-1,299.16	122.01	2,612.17	2,571.69	40.47	64.539		
5,900.00	5,754.42	5,243.22	5,097.26	29.31	27.58	172.74	-1,321.04	124.33	2,658.44	2,617.25	41.19	64.538		
6,000.00	5,851.70	5,331.87	5,183.14	29.83	28.07	172.74	-1,342.91	126.66	2,704.71	2,662.80	41.91	64.537		
6,100.00	5,948.98	5,420.52	5,269.02	30.35	28.57	172.74	-1,364.79	128.99	2,750.98	2,708.35	42.63	64.535		
6,200.00	6,046.26	5,509.18	5,354.89	30.87	29.06	172.74	-1,386.67	131.32	2,797.25	2,753.90	43.35	64.533		
6,300.00	6,143.54	5,602.17	5,440.77	31.39	29.58	172.74	-1,408.55	133.65	2,843.52	2,799.44	44.08	64.505		
6,400.00	6,240.82	5,686.48	5,526.65	31.91	30.05	172.74	-1,430.43	135.98	2,889.79	2,845.01	44.78	64.528		
6,500.00	6,338.10	5,775.13	5,612.53	32.42	30.54	172.74	-1,452.31	138.31	2,936.06	2,890.56	45.50	64.525		
6,600.00	6,435.38	5,863.78	5,698.40	32.94	31.04	172.74	-1,474.19	140.64	2,982.33	2,936.11	46.22	64.521		
6,700.00	6,532.66	5,952.43	5,784.28	33.46	31.53	172.74	-1,496.07	142.97	3,028.60	2,981.66	46.94	64.518		
6,800.00	6,629.95	6,041.08	5,870.16	33.98	32.02	172.74	-1,517.95	145.30	3,074.87	3,027.21	47.66	64.514		
6,900.00	6,727.23	6,129.73	5,956.04	34.50	32.52	172.74	-1,539.83	147.63	3,121.14	3,072.76	48.38	64.510		
7,000.00	6,824.51	6,218.39	6,041.91	35.02	33.01	172.74	-1,561.71	149.96	3,167.41	3,118.31	49.10	64.505		
7,100.00	6,921.79	6,307.04	6,127.79	35.54	33.50	172.74	-1,583.59	152.28	3,213.68	3,163.86	49.82	64.500		
7,200.00	7,019.07	6,404.31	6,213.67	36.06	34.05	172.74	-1,605.47	154.61	3,259.96	3,209.38	50.58	64.451		
7,300.00	7,116.35	6,484.34	6,299.55	36.58	34.49	172.74	-1,627.35	156.94	3,306.23	3,254.96	51.27	64.490		
7,400.00	7,213.50	6,572.94	6,385.37	37.10	34.98	150.09	-1,649.21	159.27	3,352.44	3,300.45	51.99	64.480		
7,500.00	7,308.63	6,660.16	6,469.86	37.62	35.47	121.25	-1,670.74	161.56	3,397.81	3,345.08	52.73	64.437		
7,600.00	7,398.87	6,743.41	6,550.51	38.14	35.93	105.48	-1,691.29	163.75	3,441.22	3,387.76	53.47	64.362		
7,700.00	7,481.47	6,820.17	6,624.87	38.64	36.36	95.79	-1,710.23	165.77	3,481.83	3,427.63	54.19	64.249		
7,800.00	7,553.92	6,888.10	6,690.67	39.13	36.74	89.21	-1,726.99	167.55	3,519.00	3,464.08	54.92	64.076		
7,900.00	7,614.02	6,945.13	6,745.91	39.62	37.06	84.48	-1,741.07	169.05	3,552.30	3,496.64	55.67	63.815		
8,000.00	7,659.94	6,989.53	6,788.93	40.13	37.30	80.97	-1,752.03	170.22	3,581.39	3,524.94	56.46	63.435		
8,100.00	7,690.28	7,019.96	6,818.41	40.68	37.47	78.36	-1,759.54	171.02	3,605.99	3,548.68	57.31	62.922		
8,200.00	7,704.13	7,035.49	6,833.45	41.29	37.56	76.46	-1,763.37	171.42	3,625.81	3,567.59	58.21	62.284		
8,300.00	7,705.00	7,039.23	6,837.07	41.99	37.58	76.03	-1,764.29	171.52	3,642.36	3,583.18	59.18	61.551		
8,400.00	7,705.00	7,042.18	6,839.93	42.83	37.60	76.07	-1,765.02	171.60	3,661.17	3,600.90	60.26	60.752		
8,500.00	7,705.00	7,045.13	6,842.79	43.83	37.61	76.12	-1,765.75	171.68	3,682.59	3,621.13	61.46	59.916		
8,600.00	7,705.00	7,048.08	6,845.64	44.99	37.62	76.17	-1,766.48	171.76	3,704.00	3,642.23	62.73	59.080		
8,700.00	7,705.00	7,050.99	6,848.49	46.30	37.63	76.22	-1,767.21	171.84	3,725.41	3,662.73	64.08	58.244		
8,800.00	7,705.00	7,053.89	6,851.34	47.76	37.64	76.27	-1,767.94	171.92	3,746.82	3,683.23	65.41	57.408		
8,900.00	7,705.00	7,056.79	6,854.19	49.34	37.65	76.32	-1,768.67	172.00	3,768.23	3,703.73	66.73	56.572		
9,000.00	7,705.00	7,059.69	6,857.04	51.04	37.66	76.37	-1,769.40	172.08	3,789.64	3,724.23	68.04	55.736		
9,100.00	7,705.00	7,062.59	6,859.89	52.84	37.67	76.42	-1,770.13	172.16	3,811.05	3,744.73	69.35	54.900		
9,200.00	7,705.00	7,065.49	6,862.74	54.74	37.68	76.47	-1,770.86	172.24	3,832.46	3,765.23	70.65	54.064		
9,300.00	7,705.00	7,068.39	6,865.59	56.71	37.69	76.52	-1,771.59	172.32	3,853.87	3,785.73	71.95	53.228		
9,400.00	7,705.00	7,071.29	6,868.44	58.75	37.70	76.57	-1,772.32	172.40	3,875.28	3,806.23	73.25	52.392		
9,500.00	7,705.00	7,074.19	6,871.29	60.84	37.71	76.62	-1,773.05	172.48	3,896.69	3,826.73	74.55	51.556		
9,600.00	7,705.00	7,077.09	6,874.14	63.00	37.72	76.67	-1,773.78	172.56	3,918.10	3,847.23	75.85	50.720		
9,700.00	7,705.00	7,080.00	6,876.99	65.19	37.73	76.72	-1,774.51	172.64	3,939.51	3,867.73	77.15	49.884		
9,800.00	7,705.00	7,082.90	6,879.84	67.43	37.74	76.77	-1,775.24	172.72	3,960.92	3,888.23	78.45	49.048		
9,900.00	7,705.00	7,085.80	6,882.69	69.71	37.75	76.82	-1,775.97	172.80	3,982.33	3,908.73	79.75	48.212		
10,000.00	7,705.00	7,088.70	6,885.54	72.01	37.76	76.87	-1,776.70	172.88	4,003.74	3,929.23	81.05	47.376		
10,100.00	7,705.00	7,091.60	6,888.39	74.35	37.77	76.92	-1,777.43	172.96	4,025.15	3,949.73	82.35	46.540		
10,200.00	7,705.00	7,094.50	6,891.24	76.71	37.78	76.97	-1,778.16	173.04	4,046.56	3,970.23	83.65	45.704		
10,300.00	7,705.00	7,097.40	6,894.09	79.10	37.79	77.02	-1,778.89	173.12	4,067.97	3,990.73	84.95	44.868		

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 11-12 1BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 1BH	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 10-T4S-R65W - PROSPER FARMS 4-65 11-12 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		
10,400.00	7,705.00	10,412.67	7,705.00	81.50	82.10	90.03	-2,023.56	2,901.64	3,703.58	3,544.68	158.90	23.308		
10,500.00	7,705.00	10,512.67	7,705.00	83.93	84.49	90.03	-2,024.97	3,001.63	3,703.68	3,539.79	163.89	22.598		
10,600.00	7,705.00	10,612.67	7,705.00	86.37	86.91	90.03	-2,026.38	3,101.62	3,703.77	3,534.86	168.91	21.928		
10,700.00	7,705.00	10,712.67	7,705.00	88.83	89.34	90.03	-2,027.79	3,201.61	3,703.87	3,529.92	173.95	21.293		
10,800.00	7,705.00	10,812.67	7,705.00	91.30	91.79	90.03	-2,029.19	3,301.60	3,703.97	3,524.96	179.01	20.691		
10,900.00	7,705.00	10,912.67	7,705.00	93.78	94.25	90.03	-2,030.60	3,401.59	3,704.07	3,519.98	184.09	20.121		
11,000.00	7,705.00	11,012.67	7,705.00	96.28	96.72	90.03	-2,032.01	3,501.58	3,704.17	3,514.98	189.19	19.579		
11,100.00	7,705.00	11,112.67	7,705.00	98.79	99.21	90.03	-2,033.42	3,601.57	3,704.26	3,509.96	194.30	19.064		
11,200.00	7,705.00	11,212.67	7,705.00	101.31	101.71	90.03	-2,034.83	3,701.56	3,704.36	3,504.93	199.43	18.575		
11,300.00	7,705.00	11,312.67	7,705.00	103.84	104.22	90.03	-2,036.24	3,801.55	3,704.46	3,499.89	204.57	18.108		
11,400.00	7,705.00	11,412.67	7,705.00	106.37	106.74	90.03	-2,037.65	3,901.54	3,704.56	3,494.83	209.73	17.664		
11,500.00	7,705.00	11,512.67	7,705.00	108.92	109.27	90.03	-2,039.06	4,001.53	3,704.66	3,489.76	214.89	17.240		
11,600.00	7,705.00	11,612.67	7,705.00	111.47	111.81	90.03	-2,040.47	4,101.52	3,704.75	3,484.68	220.07	16.834		
11,700.00	7,705.00	11,712.67	7,705.00	114.03	114.35	90.03	-2,041.88	4,201.51	3,704.85	3,479.60	225.26	16.447		
11,800.00	7,705.00	11,812.67	7,705.00	116.59	116.90	90.03	-2,043.28	4,301.50	3,704.95	3,474.50	230.45	16.077		
11,900.00	7,705.00	11,912.67	7,705.00	119.16	119.46	90.03	-2,044.69	4,401.49	3,705.05	3,469.39	235.66	15.722		
12,000.00	7,705.00	12,012.67	7,705.00	121.74	122.03	90.03	-2,046.10	4,501.48	3,705.15	3,464.28	240.87	15.382		
12,100.00	7,705.00	12,112.67	7,705.00	124.32	124.60	90.03	-2,047.51	4,601.47	3,705.24	3,459.15	246.09	15.056		
12,200.00	7,705.00	12,212.67	7,705.00	126.91	127.17	90.03	-2,048.92	4,701.46	3,705.34	3,454.02	251.32	14.743		
12,300.00	7,705.00	12,312.67	7,705.00	129.50	129.75	90.03	-2,050.33	4,801.45	3,705.44	3,448.88	256.56	14.443		
12,400.00	7,705.00	12,412.67	7,705.00	132.10	132.34	90.03	-2,051.74	4,901.44	3,705.54	3,443.74	261.80	14.154		
12,500.00	7,705.00	12,512.67	7,705.00	134.70	134.93	90.03	-2,053.15	5,001.43	3,705.64	3,438.59	267.04	13.876		
12,600.00	7,705.00	12,612.67	7,705.00	137.30	137.53	90.03	-2,054.56	5,101.42	3,705.73	3,433.44	272.30	13.609		
12,700.00	7,705.00	12,712.67	7,705.00	139.91	140.13	90.03	-2,055.97	5,201.41	3,705.83	3,428.28	277.56	13.352		
12,800.00	7,705.00	12,812.67	7,705.00	142.52	142.73	90.03	-2,057.37	5,301.40	3,705.93	3,423.11	282.82	13.104		
12,900.00	7,705.00	12,912.67	7,705.00	145.13	145.33	90.03	-2,058.78	5,401.39	3,706.03	3,417.94	288.09	12.864		
13,000.00	7,705.00	13,012.67	7,705.00	147.75	147.94	90.03	-2,060.19	5,501.38	3,706.13	3,412.77	293.36	12.633		
13,100.00	7,705.00	13,112.67	7,705.00	150.37	150.56	90.03	-2,061.60	5,601.37	3,706.22	3,407.59	298.64	12.410		
13,200.00	7,705.00	13,212.67	7,705.00	152.99	153.17	90.03	-2,063.01	5,701.36	3,706.32	3,402.40	303.92	12.195		
13,300.00	7,705.00	13,312.67	7,705.00	155.62	155.79	90.03	-2,064.42	5,801.35	3,706.42	3,397.22	309.20	11.987		
13,400.00	7,705.00	13,412.67	7,705.00	158.24	158.41	90.03	-2,065.83	5,901.34	3,706.52	3,392.03	314.49	11.786		
13,500.00	7,705.00	13,512.67	7,705.00	160.87	161.04	90.03	-2,067.24	6,001.33	3,706.62	3,386.83	319.78	11.591		
13,600.00	7,705.00	13,612.67	7,705.00	163.50	163.66	90.03	-2,068.65	6,101.32	3,706.71	3,381.63	325.08	11.402		
13,700.00	7,705.00	13,712.67	7,705.00	166.14	166.29	90.03	-2,070.06	6,201.31	3,706.81	3,376.43	330.38	11.220		
13,800.00	7,705.00	13,812.67	7,705.00	168.78	168.92	90.03	-2,071.46	6,301.30	3,706.91	3,371.23	335.68	11.043		
13,900.00	7,705.00	13,912.67	7,705.00	171.41	171.55	90.03	-2,072.87	6,401.29	3,707.01	3,366.02	340.98	10.872		
14,000.00	7,705.00	14,012.67	7,705.00	174.05	174.19	90.03	-2,074.28	6,501.28	3,707.11	3,360.82	346.29	10.705		
14,100.00	7,705.00	14,112.67	7,705.00	176.69	176.83	90.03	-2,075.69	6,601.27	3,707.20	3,355.60	351.60	10.544		
14,200.00	7,705.00	14,212.67	7,705.00	179.34	179.46	90.03	-2,077.10	6,701.26	3,707.30	3,350.39	356.91	10.387		
14,300.00	7,705.00	14,312.67	7,705.00	181.98	182.10	90.03	-2,078.51	6,801.25	3,707.40	3,345.17	362.23	10.235		
14,400.00	7,705.00	14,412.67	7,705.00	184.63	184.75	90.03	-2,079.92	6,901.24	3,707.50	3,339.95	367.54	10.087		
14,500.00	7,705.00	14,512.67	7,705.00	187.28	187.39	90.03	-2,081.33	7,001.23	3,707.60	3,334.73	372.86	9.944		
14,600.00	7,705.00	14,612.67	7,705.00	189.93	190.04	90.03	-2,082.74	7,101.22	3,707.69	3,329.51	378.18	9.804		
14,700.00	7,705.00	14,712.67	7,705.00	192.58	192.68	90.03	-2,084.15	7,201.21	3,707.79	3,324.29	383.51	9.668		
14,800.00	7,705.00	14,812.67	7,705.00	195.23	195.33	90.03	-2,085.55	7,301.20	3,707.89	3,319.06	388.83	9.536		
14,900.00	7,705.00	14,912.67	7,705.00	197.88	197.98	90.03	-2,086.96	7,401.19	3,707.99	3,313.83	394.16	9.407		
15,000.00	7,705.00	15,012.67	7,705.00	200.53	200.63	90.03	-2,088.37	7,501.18	3,708.09	3,308.60	399.49	9.282		
15,100.00	7,705.00	15,112.67	7,705.00	203.19	203.28	90.03	-2,089.78	7,601.17	3,708.18	3,303.37	404.82	9.160		
15,200.00	7,705.00	15,212.67	7,705.00	205.85	205.93	90.03	-2,091.19	7,701.16	3,708.28	3,298.13	410.15	9.041		
15,300.00	7,705.00	15,312.67	7,705.00	208.50	208.59	90.03	-2,092.60	7,801.15	3,708.38	3,292.90	415.48	8.926		
15,400.00	7,705.00	15,412.67	7,705.00	211.16	211.24	90.03	-2,094.01	7,901.14	3,708.48	3,287.66	420.82	8.813		
15,500.00	7,705.00	15,512.67	7,705.00	213.82	213.90	90.03	-2,095.42	8,001.13	3,708.58	3,282.42	426.15	8.702		

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 11-12 1BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 1BH	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 10-T4S-R65W - PROSPER FARMS 4-65 11-12 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	
15,600.00	7,705.00	15,612.67	7,705.00	216.48	216.56	90.03	-2,096.83	8,101.12	3,708.67	3,277.18	431.49	8.595	
15,700.00	7,705.00	15,712.67	7,705.00	219.14	219.22	90.03	-2,098.24	8,201.11	3,708.77	3,271.94	436.83	8.490	
15,800.00	7,705.00	15,812.67	7,705.00	221.80	221.87	90.03	-2,099.64	8,301.10	3,708.87	3,266.70	442.17	8.388	
15,900.00	7,705.00	15,912.67	7,705.00	224.47	224.53	90.03	-2,101.05	8,401.09	3,708.97	3,261.46	447.51	8.288	
16,000.00	7,705.00	16,012.67	7,705.00	227.13	227.20	90.03	-2,102.46	8,501.08	3,709.07	3,256.21	452.85	8.190	
16,100.00	7,705.00	16,112.67	7,705.00	229.79	229.86	90.03	-2,103.87	8,601.07	3,709.16	3,250.97	458.20	8.095	
16,200.00	7,705.00	16,212.67	7,705.00	232.46	232.52	90.03	-2,105.28	8,701.06	3,709.26	3,245.72	463.54	8.002	
16,300.00	7,705.00	16,312.67	7,705.00	235.13	235.18	90.03	-2,106.69	8,801.05	3,709.36	3,240.47	468.89	7.911	
16,400.00	7,705.00	16,412.67	7,705.00	237.79	237.85	90.03	-2,108.10	8,901.04	3,709.46	3,235.22	474.24	7.822	
16,500.00	7,705.00	16,512.67	7,705.00	240.46	240.51	90.03	-2,109.51	9,001.03	3,709.56	3,229.97	479.58	7.735	
16,600.00	7,705.00	16,612.67	7,705.00	243.13	243.18	90.03	-2,110.92	9,101.02	3,709.65	3,224.72	484.93	7.650	
16,700.00	7,705.00	16,712.67	7,705.00	245.80	245.84	90.03	-2,112.33	9,201.01	3,709.75	3,219.47	490.28	7.567	
16,800.00	7,705.00	16,812.67	7,705.00	248.46	248.51	90.03	-2,113.73	9,301.00	3,709.85	3,214.22	495.63	7.485	
16,900.00	7,705.00	16,912.67	7,705.00	251.13	251.18	90.03	-2,115.14	9,400.99	3,709.95	3,208.96	500.99	7.405	
17,000.00	7,705.00	17,012.67	7,705.00	253.80	253.85	90.03	-2,116.55	9,500.98	3,710.05	3,203.71	506.34	7.327	
17,100.00	7,705.00	17,112.67	7,705.00	256.47	256.51	90.03	-2,117.96	9,600.97	3,710.14	3,198.45	511.69	7.251	
17,200.00	7,705.00	17,212.67	7,705.00	259.15	259.18	90.03	-2,119.37	9,700.96	3,710.24	3,193.20	517.05	7.176	
17,300.00	7,705.00	17,312.67	7,705.00	261.82	261.85	90.03	-2,120.78	9,800.95	3,710.34	3,187.94	522.40	7.102	
17,400.00	7,705.00	17,412.67	7,705.00	264.49	264.52	90.03	-2,122.19	9,900.94	3,710.44	3,182.68	527.76	7.031	
17,500.00	7,705.00	17,512.67	7,705.00	267.16	267.20	90.03	-2,123.60	10,000.93	3,710.54	3,177.42	533.11	6.960	
17,600.00	7,705.00	17,612.67	7,705.00	269.84	269.87	90.03	-2,125.01	10,100.92	3,710.63	3,172.16	538.47	6.891	
17,700.00	7,705.00	17,712.67	7,705.00	272.51	272.54	90.03	-2,126.42	10,200.91	3,710.73	3,166.90	543.83	6.823	
17,800.00	7,705.00	17,812.67	7,705.00	275.18	275.21	90.03	-2,127.82	10,300.90	3,710.83	3,161.64	549.19	6.757	
17,900.00	7,705.00	17,912.67	7,705.00	277.86	277.88	90.03	-2,129.23	10,400.89	3,710.93	3,156.38	554.55	6.692	
18,000.00	7,705.00	18,012.67	7,705.00	280.53	280.56	90.03	-2,130.64	10,500.88	3,711.02	3,151.12	559.91	6.628	
18,100.00	7,705.00	18,112.67	7,705.00	283.21	283.23	90.03	-2,132.05	10,600.87	3,711.12	3,145.86	565.27	6.565	
18,120.90	7,705.00	18,133.56	7,705.00	283.77	283.79	90.03	-2,132.35	10,621.76	3,711.14	3,144.76	566.39	6.552 SF	

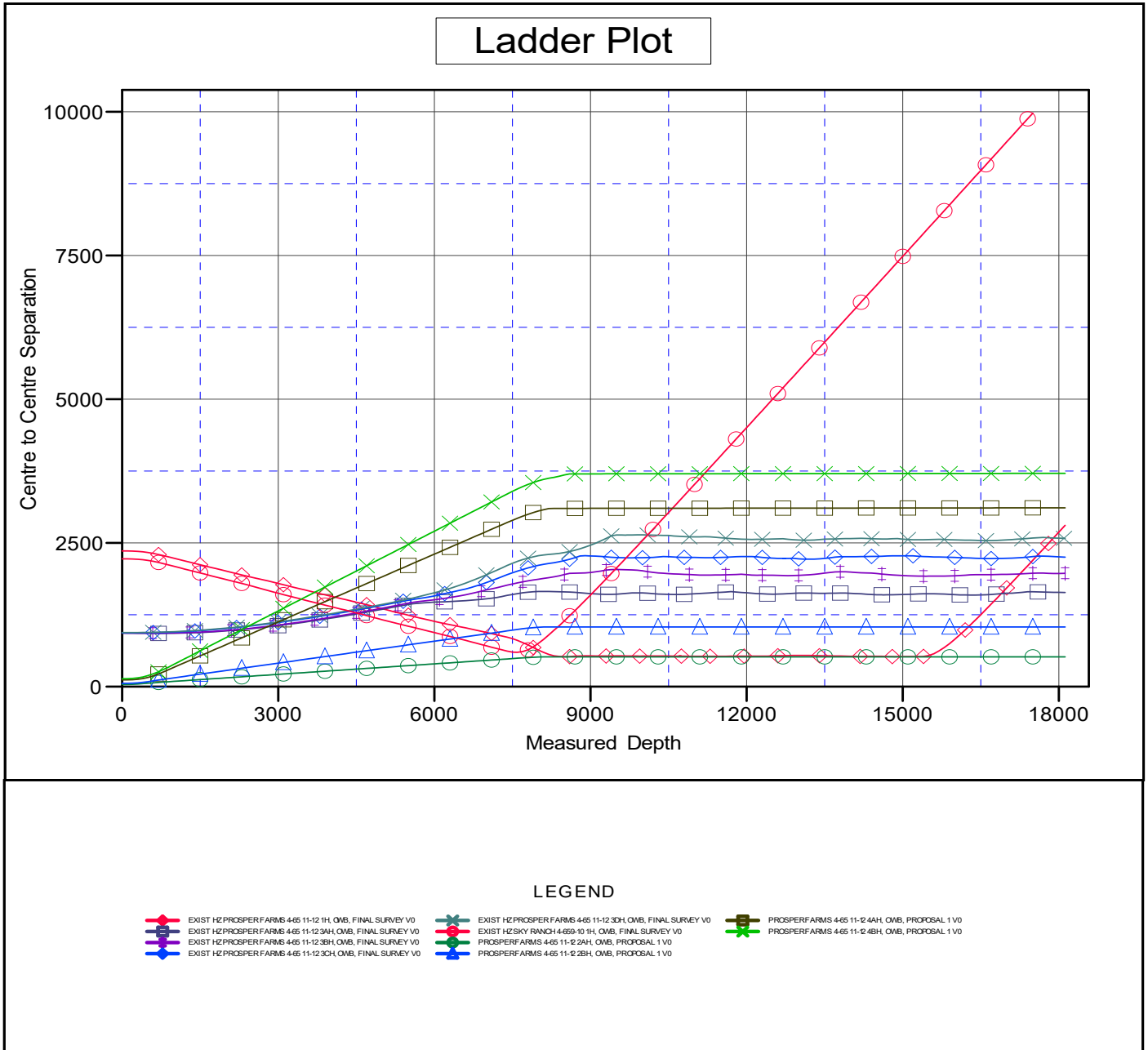
Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 11-12 1BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 1BH	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

Coordinates are relative to: PROSPER FARMS 4-65 11-12 1BH

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 11-12 1BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 1BH	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' @ 5709.00usft

Offset Depths are relative to Offset Datum

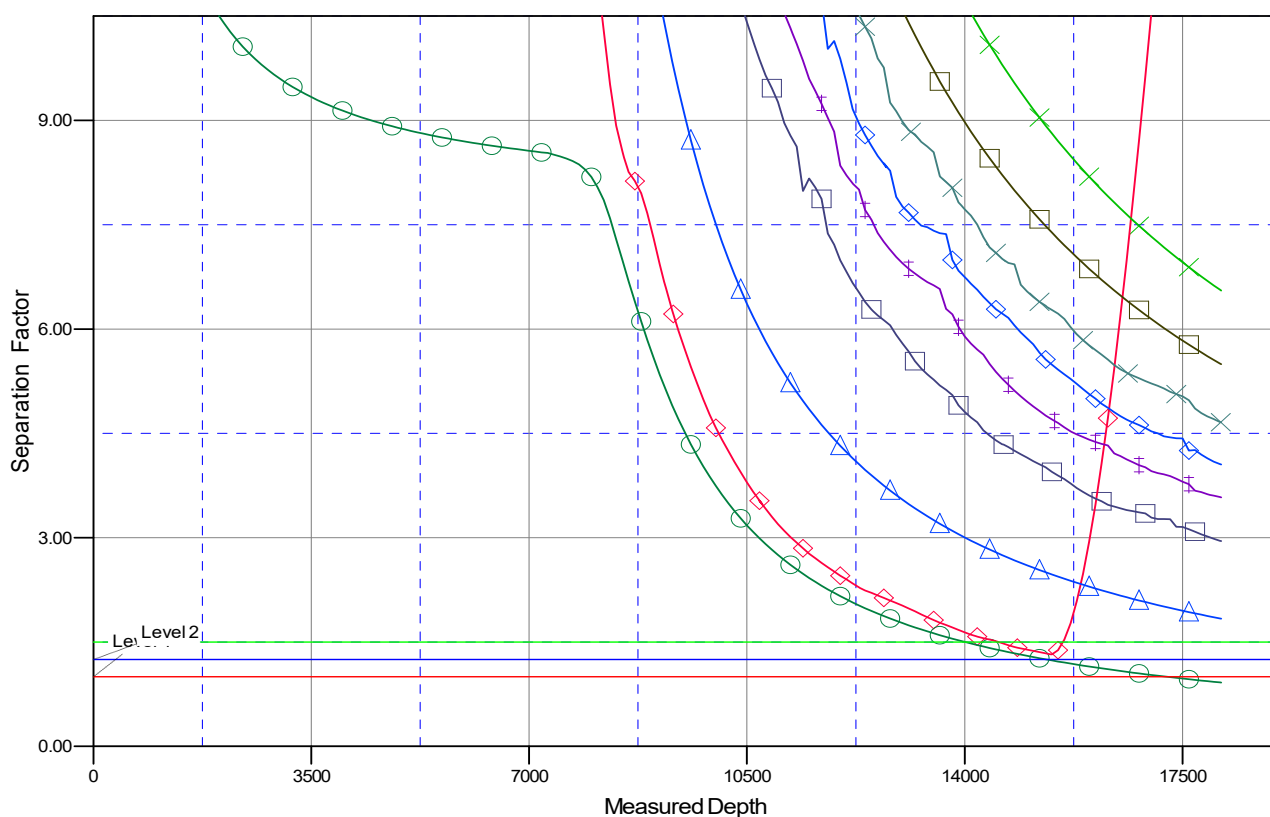
Central Meridian is 105.500000°W

Coordinates are relative to: PROSPER FARMS 4-65 11-12 1BH

Coordinate System is US State Plane 1983, Colorado Central Zone

Grid Convergence at Surface is: 0.54°

Separation Factor Plot



LEGEND

EXIST HZPROSPERFARMS 4-65 11-12 1H, OMB, FINAL SURVEY V0	EXIST HZPROSPERFARMS 4-65 11-12 30H, OMB, FINAL SURVEY V0	PROSPERFARMS 4-65 11-2 44H, OMB, PROPOSAL 1 V0
EXIST HZPROSPERFARMS 4-65 11-12 3AH, OMB, FINAL SURVEY V0	EXIST HZSKY RANCH 4-65-10 1H, OMB, FINAL SURVEY V0	PROSPERFARMS 4-65 11-2 48H, OMB, PROPOSAL 1 V0
EXIST HZPROSPERFARMS 4-65 11-12 3BH, OMB, FINAL SURVEY V0	PROSPERFARMS 4-65 11-2 2AH, OMB, PROPOSAL 1 V0	
EXIST HZPROSPERFARMS 4-65 11-12 3CH, OMB, FINAL SURVEY V0	PROSPERFARMS 4-65 11-2 2BH, OMB, PROPOSAL 1 V0	