

# **CRESTONE PEAK RESOURCES**

**ARAPAHOE COUNTY**

**SEC 10-T4S-R65W**

**PROSPER FARMS 4-65 11-12 4AH**

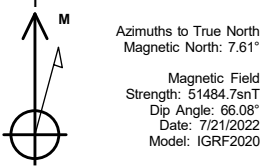
**OWB**

**Plan: PROPOSAL 1**

## **Standard Planning Report**

**21 July, 2022**

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



WELL DETAILS: PROSPER FARMS 4-65 11-12 4AH						
			5683.00			
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	1687326.67	3241250.84	39.717388°N	104.642398°W	

ANNOTATIONS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect	Departure	Annotation	
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	Start Build 2.00	
701.13	10.02	170.94	698.58	-43.17	6.88	12.49	43.72	Start 6558.88 hold at 701.13 MD	
7260.01	10.02	170.94	7157.37	-1170.43	186.59	338.58	1185.21	Start DLS 10.00 TFO -80.28	
8142.92	90.00	90.81	7705.00	-1273.83	757.90	918.51	1777.99	Start 9919.28 hold at 8142.92 MD	
18062.20	90.00	90.81	7705.00	-1413.31	10676.20	10769.34	11697.27	TD at 18062.20	

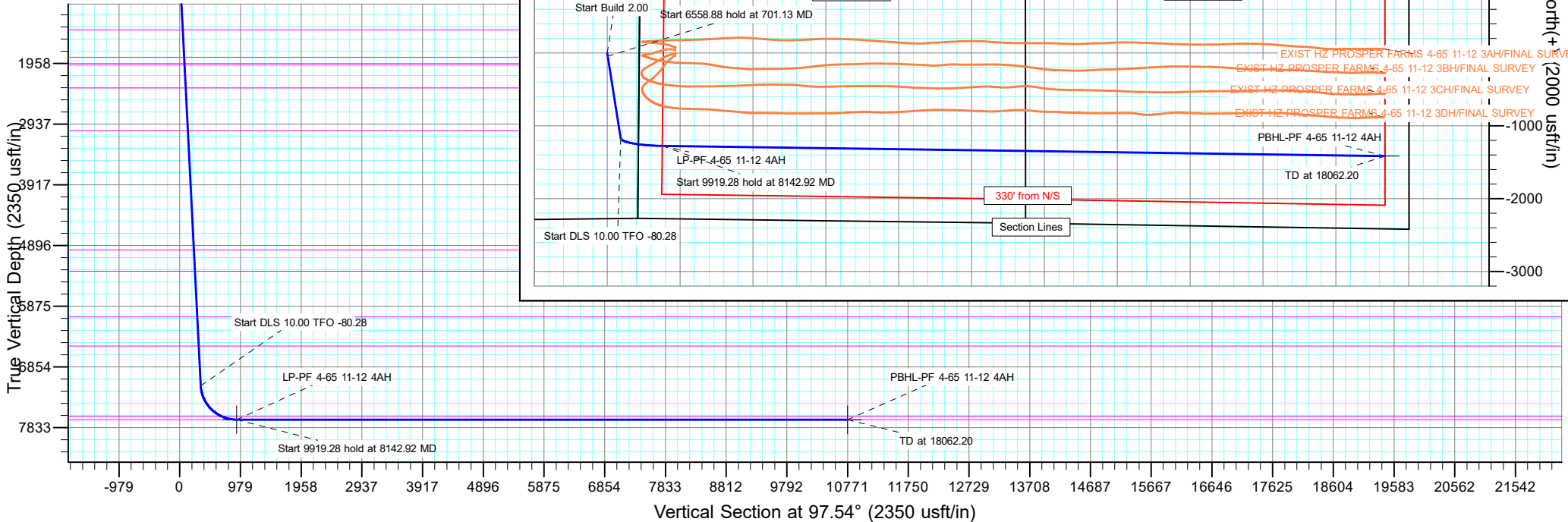
SECTION DETAILS									
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00
3	701.13	10.02	170.94	698.58	-43.17	6.88	2.00	170.94	12.49
4	7260.01	10.02	170.94	7157.37	-1170.43	186.59	0.00	0.00	338.58
5	8142.92	90.00	90.81	7705.00	-1273.83	757.90	10.00	-80.28	918.51
6	18062.20	90.00	90.81	7705.00	-1413.31	10676.20	0.00	0.00	10769.34
									LP-PF 4-65 11-12 4AH
									PBHL-PF 4-65 11-12 4AH

DESIGN TARGET DETAILS										
LP-PF 4-65 11-12 4AH	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape		
- plan hits target center	7705.00	-1273.83	757.90	1686060.06	3242020.73	39.713891°N	104.639704°W	Point		
PBHL-PF 4-65 11-12 4AH	7705.00	-1413.31	10676.20	1686014.22	3251939.84	39.713502°N	104.604449°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:  
2274' FSL, 440' FEL  
Sec 10-T4S-R65W  
  
LP:  
1000' FSL, 330' FWL  
Sec 11-T4S-R65W  
  
BHL:  
1000' FSL, 330' FEL  
Sec 12-T4S-R65W



## Planning Report

<b>Database:</b>	EDT_32Bit_ODBC	<b>Local Co-ordinate Reference:</b>	Well PROSPER FARMS 4-65 11-12 4AH
<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>TVD Reference:</b>	KB 25' @ 5708.00usft
<b>Project:</b>	ARAPAHOE COUNTY	<b>MD Reference:</b>	KB 25' @ 5708.00usft
<b>Site:</b>	SEC 10-T4S-R65W	<b>North Reference:</b>	True
<b>Well:</b>	PROSPER FARMS 4-65 11-12 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OWB		
<b>Design:</b>	PROPOSAL 1		

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

<b>Site</b>	SEC 10-T4S-R65W			
<b>Site Position:</b>		<b>Northing:</b>	1,685,061.36 usft	<b>Latitude:</b> 39.711158°N
<b>From:</b>	Lat/Long	<b>Easting:</b>	3,241,690.88 usft	<b>Longitude:</b> 104.640910°W
<b>Position Uncertainty:</b>	0.00 usft	<b>Slot Radius:</b>	13.200 in	<b>Grid Convergence:</b> 0.54 °

<b>Well</b>	PROSPER FARMS 4-65 11-12 4AH			
<b>Well Position</b>	<b>+N/-S</b>	2,269.39 usft	<b>Northing:</b>	1,687,326.67 usft
	<b>+E/-W</b>	-418.60 usft	<b>Easting:</b>	3,241,250.84 usft
<b>Position Uncertainty</b>		0.00 usft	<b>Wellhead Elevation:</b>	<b>Latitude:</b> 39.717388°N
				<b>Longitude:</b> 104.642398°W
				<b>Ground Level:</b> 5,683.00 usft

<b>Wellbore</b>	OWB				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2020	7/21/2022	7.61	66.08	51,484.71091952

<b>Design</b>	PROPOSAL 1			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PROTOTYPE	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (°)</b>
	0.00	0.00	0.00	97.54

<b>Plan Survey Tool Program</b>	<b>Date</b>	7/21/2022		
<b>Depth From (usft)</b>	<b>Depth To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Remarks</b>
1	0.00	18,062.20	PROPOSAL 1 (OWB)	MWD OWSG
				OWSG MWD - Standard

<b>Plan Sections</b>										
<b>Measured Depth (usft)</b>	<b>Inclination (°)</b>	<b>Azimuth (°)</b>	<b>Vertical Depth (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Dogleg Rate (°/100ft)</b>	<b>Build Rate (°/100ft)</b>	<b>Turn Rate (°/100ft)</b>	<b>TFO (°)</b>	<b>Target</b>
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00	
701.13	10.02	170.94	698.58	-43.17	6.88	2.00	2.00	0.00	170.94	
7,260.01	10.02	170.94	7,157.37	-1,170.43	186.59	0.00	0.00	0.00	0.00	
8,142.93	90.00	90.81	7,705.00	-1,273.83	757.90	10.00	9.06	-9.08	-80.28	LP-PF 4-65 11-12 4AH
18,062.20	90.00	90.81	7,705.00	-1,413.31	10,676.20	0.00	0.00	0.00	0.00	PBHL-PF 4-65 11-12

# Planning Report

<b>Database:</b>	EDT_32Bit_ODBC	<b>Local Co-ordinate Reference:</b>	Well PROSPER FARMS 4-65 11-12 4AH
<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>TVD Reference:</b>	KB 25' @ 5708.00usft
<b>Project:</b>	ARAPAHOE COUNTY	<b>MD Reference:</b>	KB 25' @ 5708.00usft
<b>Site:</b>	SEC 10-T4S-R65W	<b>North Reference:</b>	True
<b>Well:</b>	PROSPER FARMS 4-65 11-12 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OWB		
<b>Design:</b>	PROPOSAL 1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 2.00									
300.00	2.00	170.94	299.98	-1.72	0.27	0.50	2.00	2.00	0.00
400.00	4.00	170.94	399.84	-6.89	1.10	1.99	2.00	2.00	0.00
500.00	6.00	170.94	499.45	-15.50	2.47	4.48	2.00	2.00	0.00
600.00	8.00	170.94	598.70	-27.53	4.39	7.96	2.00	2.00	0.00
701.13	10.02	170.94	698.58	-43.17	6.88	12.49	2.00	2.00	0.00
Start 6558.88 hold at 701.13 MD									
800.00	10.02	170.94	795.94	-60.17	9.59	17.40	0.00	0.00	0.00
900.00	10.02	170.94	894.41	-77.35	12.33	22.38	0.00	0.00	0.00
1,000.00	10.02	170.94	992.89	-94.54	15.07	27.35	0.00	0.00	0.00
1,100.00	10.02	170.94	1,091.36	-111.73	17.81	32.32	0.00	0.00	0.00
1,200.00	10.02	170.94	1,189.83	-128.91	20.55	37.29	0.00	0.00	0.00
1,300.00	10.02	170.94	1,288.31	-146.10	23.29	42.26	0.00	0.00	0.00
1,400.00	10.02	170.94	1,386.78	-163.29	26.03	47.24	0.00	0.00	0.00
1,430.69	10.02	170.94	1,417.00	-168.56	26.87	48.76	0.00	0.00	0.00
Laramie Formation									
1,500.00	10.02	170.94	1,485.26	-180.47	28.77	52.21	0.00	0.00	0.00
1,600.00	10.02	170.94	1,583.73	-197.66	31.51	57.18	0.00	0.00	0.00
1,700.00	10.02	170.94	1,682.20	-214.85	34.25	62.15	0.00	0.00	0.00
1,800.00	10.02	170.94	1,780.68	-232.03	36.99	67.12	0.00	0.00	0.00
1,879.54	10.02	170.94	1,859.00	-245.70	39.17	71.08	0.00	0.00	0.00
Fox Hills sandstone									
1,900.00	10.02	170.94	1,879.15	-249.22	39.73	72.09	0.00	0.00	0.00
2,000.00	10.02	170.94	1,977.63	-266.41	42.47	77.07	0.00	0.00	0.00
2,005.46	10.02	170.94	1,983.00	-267.34	42.62	77.34	0.00	0.00	0.00
Pierre Formation									
2,100.00	10.02	170.94	2,076.10	-283.59	45.21	82.04	0.00	0.00	0.00
2,200.00	10.02	170.94	2,174.57	-300.78	47.95	87.01	0.00	0.00	0.00
2,300.00	10.02	170.94	2,273.05	-317.97	50.69	91.98	0.00	0.00	0.00
2,383.22	10.02	170.94	2,355.00	-332.27	52.97	96.12	0.00	0.00	0.00
Upper Pierre aquifer									
2,400.00	10.02	170.94	2,371.52	-335.15	53.43	96.95	0.00	0.00	0.00
2,500.00	10.02	170.94	2,470.00	-352.34	56.17	101.92	0.00	0.00	0.00
2,600.00	10.02	170.94	2,568.47	-369.53	58.91	106.90	0.00	0.00	0.00
2,700.00	10.02	170.94	2,666.94	-386.71	61.65	111.87	0.00	0.00	0.00
2,800.00	10.02	170.94	2,765.42	-403.90	64.39	116.84	0.00	0.00	0.00
2,900.00	10.02	170.94	2,863.89	-421.09	67.13	121.81	0.00	0.00	0.00
3,000.00	10.02	170.94	2,962.37	-438.27	69.87	126.78	0.00	0.00	0.00
3,083.92	10.02	170.94	3,045.00	-452.70	72.17	130.96	0.00	0.00	0.00
Base of Upper Pierre aquifer									
3,100.00	10.02	170.94	3,060.84	-455.46	72.61	131.76	0.00	0.00	0.00
3,200.00	10.02	170.94	3,159.31	-472.65	75.35	136.73	0.00	0.00	0.00
3,300.00	10.02	170.94	3,257.79	-489.83	78.09	141.70	0.00	0.00	0.00
3,400.00	10.02	170.94	3,356.26	-507.02	80.83	146.67	0.00	0.00	0.00
3,500.00	10.02	170.94	3,454.73	-524.21	83.57	151.64	0.00	0.00	0.00
3,600.00	10.02	170.94	3,553.21	-541.39	86.31	156.61	0.00	0.00	0.00
3,700.00	10.02	170.94	3,651.68	-558.58	89.05	161.59	0.00	0.00	0.00
3,800.00	10.02	170.94	3,750.16	-575.77	91.79	166.56	0.00	0.00	0.00
3,900.00	10.02	170.94	3,848.63	-592.95	94.53	171.53	0.00	0.00	0.00
4,000.00	10.02	170.94	3,947.10	-610.14	97.27	176.50	0.00	0.00	0.00

# Planning Report

<b>Database:</b>	EDT_32Bit_ODBC	<b>Local Co-ordinate Reference:</b>	Well PROSPER FARMS 4-65 11-12 4AH
<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>TVD Reference:</b>	KB 25' @ 5708.00usft
<b>Project:</b>	ARAPAHOE COUNTY	<b>MD Reference:</b>	KB 25' @ 5708.00usft
<b>Site:</b>	SEC 10-T4S-R65W	<b>North Reference:</b>	True
<b>Well:</b>	PROSPER FARMS 4-65 11-12 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OWB		
<b>Design:</b>	PROPOSAL 1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,100.00	10.02	170.94	4,045.58	-627.33	100.01	181.47	0.00	0.00	0.00
4,200.00	10.02	170.94	4,144.05	-644.51	102.75	186.44	0.00	0.00	0.00
4,300.00	10.02	170.94	4,242.53	-661.70	105.49	191.42	0.00	0.00	0.00
4,400.00	10.02	170.94	4,341.00	-678.89	108.23	196.39	0.00	0.00	0.00
4,500.00	10.02	170.94	4,439.47	-696.07	110.97	201.36	0.00	0.00	0.00
4,600.00	10.02	170.94	4,537.95	-713.26	113.71	206.33	0.00	0.00	0.00
4,700.00	10.02	170.94	4,636.42	-730.45	116.45	211.30	0.00	0.00	0.00
4,800.00	10.02	170.94	4,734.90	-747.63	119.19	216.28	0.00	0.00	0.00
4,900.00	10.02	170.94	4,833.37	-764.82	121.93	221.25	0.00	0.00	0.00
5,000.00	10.02	170.94	4,931.84	-782.01	124.67	226.22	0.00	0.00	0.00
5,034.69	10.02	170.94	4,966.00	-787.97	125.62	227.94	0.00	0.00	0.00
Larimer sandstone									
5,100.00	10.02	170.94	5,030.32	-799.19	127.41	231.19	0.00	0.00	0.00
5,200.00	10.02	170.94	5,128.79	-816.38	130.15	236.16	0.00	0.00	0.00
5,300.00	10.02	170.94	5,227.27	-833.57	132.89	241.13	0.00	0.00	0.00
5,384.02	10.02	170.94	5,310.00	-848.01	135.19	245.31	0.00	0.00	0.00
Terry ("Sussex") sandstone									
5,400.00	10.02	170.94	5,325.74	-850.75	135.63	246.11	0.00	0.00	0.00
5,500.00	10.02	170.94	5,424.21	-867.94	138.37	251.08	0.00	0.00	0.00
5,600.00	10.02	170.94	5,522.69	-885.13	141.11	256.05	0.00	0.00	0.00
5,700.00	10.02	170.94	5,621.16	-902.31	143.85	261.02	0.00	0.00	0.00
5,800.00	10.02	170.94	5,719.63	-919.50	146.59	265.99	0.00	0.00	0.00
5,900.00	10.02	170.94	5,818.11	-936.69	149.33	270.96	0.00	0.00	0.00
6,000.00	10.02	170.94	5,916.58	-953.87	152.07	275.94	0.00	0.00	0.00
6,100.00	10.02	170.94	6,015.06	-971.06	154.81	280.91	0.00	0.00	0.00
6,131.42	10.02	170.94	6,046.00	-976.46	155.67	282.47	0.00	0.00	0.00
Hygiene ("Shannon") sandstone									
6,200.00	10.02	170.94	6,113.53	-988.25	157.55	285.88	0.00	0.00	0.00
6,300.00	10.02	170.94	6,212.00	-1,005.43	160.29	290.85	0.00	0.00	0.00
6,400.00	10.02	170.94	6,310.48	-1,022.62	163.03	295.82	0.00	0.00	0.00
6,500.00	10.02	170.94	6,408.95	-1,039.81	165.77	300.80	0.00	0.00	0.00
6,600.00	10.02	170.94	6,507.43	-1,056.99	168.51	305.77	0.00	0.00	0.00
6,608.71	10.02	170.94	6,516.00	-1,058.49	168.75	306.20	0.00	0.00	0.00
Pierre shale									
6,700.00	10.02	170.94	6,605.90	-1,074.18	171.25	310.74	0.00	0.00	0.00
6,800.00	10.02	170.94	6,704.37	-1,091.37	173.99	315.71	0.00	0.00	0.00
6,900.00	10.02	170.94	6,802.85	-1,108.55	176.73	320.68	0.00	0.00	0.00
7,000.00	10.02	170.94	6,901.32	-1,125.74	179.47	325.65	0.00	0.00	0.00
7,100.00	10.02	170.94	6,999.80	-1,142.93	182.21	330.63	0.00	0.00	0.00
7,200.00	10.02	170.94	7,098.27	-1,160.11	184.95	335.60	0.00	0.00	0.00
7,260.01	10.02	170.94	7,157.37	-1,170.43	186.59	338.58	0.00	0.00	0.00
Start DLS 10.00 TFO -80.28									
7,300.00	11.39	150.58	7,196.67	-1,177.31	189.08	341.95	10.00	3.43	-50.92
7,350.00	14.53	133.02	7,245.41	-1,185.89	196.10	350.03	10.00	6.27	-35.12
7,400.00	18.49	122.19	7,293.35	-1,194.40	207.40	362.35	10.00	7.92	-21.67
7,450.00	22.85	115.21	7,340.13	-1,202.76	222.90	378.82	10.00	8.72	-13.95
7,500.00	27.42	110.42	7,385.39	-1,210.92	242.49	399.30	10.00	9.14	-9.59
7,550.00	32.11	106.92	7,428.78	-1,218.81	266.00	423.65	10.00	9.38	-7.00
7,600.00	36.87	104.23	7,469.98	-1,226.37	293.28	451.68	10.00	9.53	-5.37
7,650.00	41.68	102.08	7,508.68	-1,233.54	324.09	483.17	10.00	9.62	-4.29
7,700.00	46.53	100.31	7,544.57	-1,240.27	358.22	517.89	10.00	9.69	-3.55
7,750.00	51.40	98.80	7,577.39	-1,246.51	395.41	555.57	10.00	9.74	-3.02
7,800.00	56.28	97.48	7,606.88	-1,252.20	435.36	595.92	10.00	9.77	-2.64
7,850.00	61.18	96.30	7,632.82	-1,257.32	477.77	638.64	10.00	9.80	-2.35

# Planning Report

<b>Database:</b>	EDT_32Bit_ODBC	<b>Local Co-ordinate Reference:</b>	Well PROSPER FARMS 4-65 11-12 4AH
<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>TVD Reference:</b>	KB 25' @ 5708.00usft
<b>Project:</b>	ARAPAHOE COUNTY	<b>MD Reference:</b>	KB 25' @ 5708.00usft
<b>Site:</b>	SEC 10-T4S-R65W	<b>North Reference:</b>	True
<b>Well:</b>	PROSPER FARMS 4-65 11-12 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OWB		
<b>Design:</b>	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)
7,899.95	66.09	95.23	7,655.00	-1,261.81	522.29	683.36	10.00	9.81	-2.14
<b>Sharon Springs Member</b>									
7,900.00	66.09	95.23	7,655.02	-1,261.81	522.33	683.41	10.00	9.82	-2.05
7,950.00	71.00	94.24	7,673.30	-1,265.65	568.70	729.87	10.00	9.83	-1.98
8,000.00	75.92	93.31	7,687.53	-1,268.79	616.51	777.69	10.00	9.84	-1.87
8,050.00	80.85	92.41	7,697.59	-1,271.24	665.41	826.48	10.00	9.85	-1.79
8,100.00	85.77	91.54	7,703.42	-1,272.95	715.02	875.89	10.00	9.85	-1.74
8,142.93	90.00	90.81	7,705.00	-1,273.83	757.90	918.51	10.00	9.85	-1.72
<b>Start 9919.28 hold at 8142.92 MD - Niobrara Formation</b>									
8,200.00	90.00	90.81	7,705.00	-1,274.63	814.97	975.20	0.00	0.00	0.00
8,300.00	90.00	90.81	7,705.00	-1,276.03	914.96	1,074.51	0.00	0.00	0.00
8,400.00	90.00	90.81	7,705.00	-1,277.44	1,014.95	1,173.82	0.00	0.00	0.00
8,500.00	90.00	90.81	7,705.00	-1,278.85	1,114.94	1,273.13	0.00	0.00	0.00
8,600.00	90.00	90.81	7,705.00	-1,280.25	1,214.93	1,372.43	0.00	0.00	0.00
8,700.00	90.00	90.81	7,705.00	-1,281.66	1,314.92	1,471.74	0.00	0.00	0.00
8,800.00	90.00	90.81	7,705.00	-1,283.07	1,414.91	1,571.05	0.00	0.00	0.00
8,900.00	90.00	90.81	7,705.00	-1,284.47	1,514.90	1,670.36	0.00	0.00	0.00
9,000.00	90.00	90.81	7,705.00	-1,285.88	1,614.89	1,769.67	0.00	0.00	0.00
9,100.00	90.00	90.81	7,705.00	-1,287.28	1,714.88	1,868.98	0.00	0.00	0.00
9,200.00	90.00	90.81	7,705.00	-1,288.69	1,814.87	1,968.29	0.00	0.00	0.00
9,300.00	90.00	90.81	7,705.00	-1,290.10	1,914.86	2,067.60	0.00	0.00	0.00
9,400.00	90.00	90.81	7,705.00	-1,291.50	2,014.85	2,166.91	0.00	0.00	0.00
9,500.00	90.00	90.81	7,705.00	-1,292.91	2,114.84	2,266.22	0.00	0.00	0.00
9,600.00	90.00	90.81	7,705.00	-1,294.31	2,214.83	2,365.53	0.00	0.00	0.00
9,700.00	90.00	90.81	7,705.00	-1,295.72	2,314.82	2,464.84	0.00	0.00	0.00
9,800.00	90.00	90.81	7,705.00	-1,297.13	2,414.81	2,564.15	0.00	0.00	0.00
9,900.00	90.00	90.81	7,705.00	-1,298.53	2,514.80	2,663.46	0.00	0.00	0.00
10,000.00	90.00	90.81	7,705.00	-1,299.94	2,614.79	2,762.77	0.00	0.00	0.00
10,100.00	90.00	90.81	7,705.00	-1,301.35	2,714.78	2,862.08	0.00	0.00	0.00
10,200.00	90.00	90.81	7,705.00	-1,302.75	2,814.77	2,961.39	0.00	0.00	0.00
10,300.00	90.00	90.81	7,705.00	-1,304.16	2,914.76	3,060.70	0.00	0.00	0.00
10,400.00	90.00	90.81	7,705.00	-1,305.56	3,014.75	3,160.01	0.00	0.00	0.00
10,500.00	90.00	90.81	7,705.00	-1,306.97	3,114.74	3,259.32	0.00	0.00	0.00
10,600.00	90.00	90.81	7,705.00	-1,308.38	3,214.73	3,358.63	0.00	0.00	0.00
10,700.00	90.00	90.81	7,705.00	-1,309.78	3,314.72	3,457.94	0.00	0.00	0.00
10,800.00	90.00	90.81	7,705.00	-1,311.19	3,414.71	3,557.25	0.00	0.00	0.00
10,900.00	90.00	90.81	7,705.00	-1,312.59	3,514.70	3,656.56	0.00	0.00	0.00
11,000.00	90.00	90.81	7,705.00	-1,314.00	3,614.69	3,755.87	0.00	0.00	0.00
11,100.00	90.00	90.81	7,705.00	-1,315.41	3,714.68	3,855.18	0.00	0.00	0.00
11,200.00	90.00	90.81	7,705.00	-1,316.81	3,814.67	3,954.49	0.00	0.00	0.00
11,300.00	90.00	90.81	7,705.00	-1,318.22	3,914.66	4,053.80	0.00	0.00	0.00
11,400.00	90.00	90.81	7,705.00	-1,319.63	4,014.65	4,153.11	0.00	0.00	0.00
11,500.00	90.00	90.81	7,705.00	-1,321.03	4,114.64	4,252.42	0.00	0.00	0.00
11,600.00	90.00	90.81	7,705.00	-1,322.44	4,214.63	4,351.73	0.00	0.00	0.00
11,700.00	90.00	90.81	7,705.00	-1,323.84	4,314.62	4,451.04	0.00	0.00	0.00
11,800.00	90.00	90.81	7,705.00	-1,325.25	4,414.61	4,550.35	0.00	0.00	0.00
11,900.00	90.00	90.81	7,705.00	-1,326.66	4,514.60	4,649.66	0.00	0.00	0.00
12,000.00	90.00	90.81	7,705.00	-1,328.06	4,614.59	4,748.97	0.00	0.00	0.00
12,100.00	90.00	90.81	7,705.00	-1,329.47	4,714.58	4,848.28	0.00	0.00	0.00
12,200.00	90.00	90.81	7,705.00	-1,330.87	4,814.57	4,947.59	0.00	0.00	0.00
12,300.00	90.00	90.81	7,705.00	-1,332.28	4,914.56	5,046.90	0.00	0.00	0.00
12,400.00	90.00	90.81	7,705.00	-1,333.69	5,014.55	5,146.21	0.00	0.00	0.00
12,500.00	90.00	90.81	7,705.00	-1,335.09	5,114.54	5,245.52	0.00	0.00	0.00

## Planning Report

<b>Database:</b>	EDT_32Bit_ODBC	<b>Local Co-ordinate Reference:</b>	Well PROSPER FARMS 4-65 11-12 4AH
<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>TVD Reference:</b>	KB 25' @ 5708.00usft
<b>Project:</b>	ARAPAHOE COUNTY	<b>MD Reference:</b>	KB 25' @ 5708.00usft
<b>Site:</b>	SEC 10-T4S-R65W	<b>North Reference:</b>	True
<b>Well:</b>	PROSPER FARMS 4-65 11-12 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OWB		
<b>Design:</b>	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)	
12,600.00	90.00	90.81	7,705.00	-1,336.50	5,214.53	5,344.83	0.00	0.00	0.00	
12,700.00	90.00	90.81	7,705.00	-1,337.91	5,314.52	5,444.14	0.00	0.00	0.00	
12,800.00	90.00	90.81	7,705.00	-1,339.31	5,414.51	5,543.45	0.00	0.00	0.00	
12,900.00	90.00	90.81	7,705.00	-1,340.72	5,514.50	5,642.76	0.00	0.00	0.00	
13,000.00	90.00	90.81	7,705.00	-1,342.12	5,614.49	5,742.07	0.00	0.00	0.00	
13,100.00	90.00	90.81	7,705.00	-1,343.53	5,714.48	5,841.38	0.00	0.00	0.00	
13,200.00	90.00	90.81	7,705.00	-1,344.94	5,814.47	5,940.69	0.00	0.00	0.00	
13,300.00	90.00	90.81	7,705.00	-1,346.34	5,914.46	6,040.00	0.00	0.00	0.00	
13,400.00	90.00	90.81	7,705.00	-1,347.75	6,014.45	6,139.31	0.00	0.00	0.00	
13,500.00	90.00	90.81	7,705.00	-1,349.16	6,114.44	6,238.62	0.00	0.00	0.00	
13,600.00	90.00	90.81	7,705.00	-1,350.56	6,214.43	6,337.93	0.00	0.00	0.00	
13,700.00	90.00	90.81	7,705.00	-1,351.97	6,314.43	6,437.24	0.00	0.00	0.00	
13,800.00	90.00	90.81	7,705.00	-1,353.37	6,414.42	6,536.55	0.00	0.00	0.00	
13,900.00	90.00	90.81	7,705.00	-1,354.78	6,514.41	6,635.86	0.00	0.00	0.00	
14,000.00	90.00	90.81	7,705.00	-1,356.19	6,614.40	6,735.17	0.00	0.00	0.00	
14,100.00	90.00	90.81	7,705.00	-1,357.59	6,714.39	6,834.48	0.00	0.00	0.00	
14,200.00	90.00	90.81	7,705.00	-1,359.00	6,814.38	6,933.79	0.00	0.00	0.00	
14,300.00	90.00	90.81	7,705.00	-1,360.40	6,914.37	7,033.10	0.00	0.00	0.00	
14,400.00	90.00	90.81	7,705.00	-1,361.81	7,014.36	7,132.41	0.00	0.00	0.00	
14,500.00	90.00	90.81	7,705.00	-1,363.22	7,114.35	7,231.72	0.00	0.00	0.00	
14,600.00	90.00	90.81	7,705.00	-1,364.62	7,214.34	7,331.03	0.00	0.00	0.00	
14,700.00	90.00	90.81	7,705.00	-1,366.03	7,314.33	7,430.34	0.00	0.00	0.00	
14,800.00	90.00	90.81	7,705.00	-1,367.44	7,414.32	7,529.65	0.00	0.00	0.00	
14,900.00	90.00	90.81	7,705.00	-1,368.84	7,514.31	7,628.96	0.00	0.00	0.00	
15,000.00	90.00	90.81	7,705.00	-1,370.25	7,614.30	7,728.27	0.00	0.00	0.00	
15,100.00	90.00	90.81	7,705.00	-1,371.65	7,714.29	7,827.58	0.00	0.00	0.00	
15,200.00	90.00	90.81	7,705.00	-1,373.06	7,814.28	7,926.89	0.00	0.00	0.00	
15,300.00	90.00	90.81	7,705.00	-1,374.47	7,914.27	8,026.20	0.00	0.00	0.00	
15,400.00	90.00	90.81	7,705.00	-1,375.87	8,014.26	8,125.51	0.00	0.00	0.00	
15,500.00	90.00	90.81	7,705.00	-1,377.28	8,114.25	8,224.82	0.00	0.00	0.00	
15,600.00	90.00	90.81	7,705.00	-1,378.68	8,214.24	8,324.13	0.00	0.00	0.00	
15,700.00	90.00	90.81	7,705.00	-1,380.09	8,314.23	8,423.44	0.00	0.00	0.00	
15,800.00	90.00	90.81	7,705.00	-1,381.50	8,414.22	8,522.75	0.00	0.00	0.00	
15,900.00	90.00	90.81	7,705.00	-1,382.90	8,514.21	8,622.06	0.00	0.00	0.00	
16,000.00	90.00	90.81	7,705.00	-1,384.31	8,614.20	8,721.37	0.00	0.00	0.00	
16,100.00	90.00	90.81	7,705.00	-1,385.72	8,714.19	8,820.68	0.00	0.00	0.00	
16,200.00	90.00	90.81	7,705.00	-1,387.12	8,814.18	8,919.99	0.00	0.00	0.00	
16,300.00	90.00	90.81	7,705.00	-1,388.53	8,914.17	9,019.30	0.00	0.00	0.00	
16,400.00	90.00	90.81	7,705.00	-1,389.93	9,014.16	9,118.61	0.00	0.00	0.00	
16,500.00	90.00	90.81	7,705.00	-1,391.34	9,114.15	9,217.92	0.00	0.00	0.00	
16,600.00	90.00	90.81	7,705.00	-1,392.75	9,214.14	9,317.22	0.00	0.00	0.00	
16,700.00	90.00	90.81	7,705.00	-1,394.15	9,314.13	9,416.53	0.00	0.00	0.00	
16,800.00	90.00	90.81	7,705.00	-1,395.56	9,414.12	9,515.84	0.00	0.00	0.00	
16,900.00	90.00	90.81	7,705.00	-1,396.96	9,514.11	9,615.15	0.00	0.00	0.00	
17,000.00	90.00	90.81	7,705.00	-1,398.37	9,614.10	9,714.46	0.00	0.00	0.00	
17,100.00	90.00	90.81	7,705.00	-1,399.78	9,714.09	9,813.77	0.00	0.00	0.00	
17,200.00	90.00	90.81	7,705.00	-1,401.18	9,814.08	9,913.08	0.00	0.00	0.00	
17,300.00	90.00	90.81	7,705.00	-1,402.59	9,914.07	10,012.39	0.00	0.00	0.00	
17,400.00	90.00	90.81	7,705.00	-1,404.00	10,014.06	10,111.70	0.00	0.00	0.00	
17,500.00	90.00	90.81	7,705.00	-1,405.40	10,114.05	10,211.01	0.00	0.00	0.00	
17,600.00	90.00	90.81	7,705.00	-1,406.81	10,214.04	10,310.32	0.00	0.00	0.00	
17,700.00	90.00	90.81	7,705.00	-1,408.21	10,314.03	10,409.63	0.00	0.00	0.00	
17,800.00	90.00	90.81	7,705.00	-1,409.62	10,414.02	10,508.94	0.00	0.00	0.00	
17,900.00	90.00	90.81	7,705.00	-1,411.03	10,514.01	10,608.25	0.00	0.00	0.00	

## Planning Report

<b>Database:</b>	EDT_32Bit_ODBC	<b>Local Co-ordinate Reference:</b>	Well PROSPER FARMS 4-65 11-12 4AH
<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>TVD Reference:</b>	KB 25' @ 5708.00usft
<b>Project:</b>	ARAPAHOE COUNTY	<b>MD Reference:</b>	KB 25' @ 5708.00usft
<b>Site:</b>	SEC 10-T4S-R65W	<b>North Reference:</b>	True
<b>Well:</b>	PROSPER FARMS 4-65 11-12 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OWB		
<b>Design:</b>	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)
18,000.00	90.00	90.81	7,705.00	-1,412.43	10,614.00	10,707.56	0.00	0.00	0.00
18,062.20	90.00	90.81	7,705.00	-1,413.31	10,676.20	10,769.34	0.00	0.00	0.00
TD at 18062.20									

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
PBHL-PF 4-65 11-12 4A - plan hits target center - Point	0.00	0.00	7,705.00	-1,413.31	10,676.20	1,686,014.21	3,251,939.84	39.713502°N	104.604449°W
LP-PF 4-65 11-12 4AH - plan hits target center - Point	0.00	0.00	7,705.00	-1,273.83	757.90	1,686,060.06	3,242,020.73	39.713891°N	104.639704°W

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
1,430.69	1,417.00	Laramie Formation				
1,879.54	1,859.00	Fox Hills sandstone				
2,005.46	1,983.00	Pierre Formation				
2,383.22	2,355.00	Upper Pierre aquifer				
3,083.92	3,045.00	Base of Upper Pierre aquifer				
5,034.69	4,966.00	Larimer sandstone				
5,384.02	5,310.00	Terry ("Sussex") sandstone				
6,131.42	6,046.00	Hygiene ("Shannon") sandstone				
6,608.71	6,516.00	Pierre shale				
7,899.95	7,655.00	Sharon Springs Member				
8,142.93	7,705.00	Niobrara Formation				

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
200.00	200.00	0.00	0.00	Start Build 2.00
701.13	698.58	-43.17	6.88	Start 6558.88 hold at 701.13 MD
7,260.01	7,157.37	-1,170.43	186.59	Start DLS 10.00 TFO -80.28
8,142.93	7,705.00	-1,273.83	757.90	Start 9919.28 hold at 8142.92 MD
18,062.20	7,705.00	-1,413.31	10,676.20	TD at 18062.20



# **CRESTONE PEAK RESOURCES**

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

**OWB  
PROPOSAL 1**

## **Anticollision Report**

**21 July, 2022**

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROSPER FARMS 4-65 11-12 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5708.00usft
<b>Reference Site:</b>	SEC 10-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5708.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROSPER FARMS 4-65 11-12 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Reference</b>	PROPOSAL 1		
<b>Filter type:</b>	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
<b>Interpolation Method:</b>	MD Interval 100.00usft	<b>Error Model:</b>	ISCWSA
<b>Depth Range:</b>	Unlimited	<b>Scan Method:</b>	Closest Approach 3D
<b>Results Limited by:</b>	Maximum center-center distance of 10,000.00 usft	<b>Error Surface:</b>	Pedal Curve
<b>Warning Levels Evaluated at:</b>	2.00 Sigma	<b>Casing Method:</b>	Not applied

<b>Survey Tool Program</b>	<b>Date</b>	7/21/2022		
<b>From (usft)</b>	<b>To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
0.00	18,062.20	PROPOSAL 1 (OWB)	MWD OWSG	OWSG MWD - Standard

<b>Summary</b>						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
SEC 10-T4S-R65W						
EXIST HZ PROSPER FARMS 4-65 11-12 1H - OWB - FI	100.00	69.73	2,473.89	2,473.63	9,585.746	CC
EXIST HZ PROSPER FARMS 4-65 11-12 1H - OWB - FI	200.00	169.34	2,473.91	2,473.11	3,118.901	ES
EXIST HZ PROSPER FARMS 4-65 11-12 1H - OWB - FI	15,600.00	14,645.00	3,644.10	3,237.82	8.970	SF
EXIST HZ PROSPER FARMS 4-65 11-12 3AH - OWB - F	730.26	709.54	933.22	928.30	189.600	CC
EXIST HZ PROSPER FARMS 4-65 11-12 3AH - OWB - F	18,062.20	17,827.00	1,473.24	917.73	2.652	ES, SF
EXIST HZ PROSPER FARMS 4-65 11-12 3BH - OWB - F	1,113.12	1,089.37	927.45	919.44	115.696	CC
EXIST HZ PROSPER FARMS 4-65 11-12 3BH - OWB - F	18,062.20	17,932.10	1,145.60	591.23	2.067	ES, SF
EXIST HZ PROSPER FARMS 4-65 11-12 3CH - OWB - F	8,472.54	8,314.18	828.68	759.38	11.957	CC
EXIST HZ PROSPER FARMS 4-65 11-12 3CH - OWB - F	18,062.20	17,873.74	857.63	303.04	1.546	ES, SF
EXIST HZ PROSPER FARMS 4-65 11-12 3DH - OWB - F	9,897.47	9,859.45	502.41	380.30	4.115	CC
EXIST HZ PROSPER FARMS 4-65 11-12 3DH - OWB - F	18,037.97	18,012.25	539.08	-9.44	0.983	Level 1, ES, SF
EXIST HZ SKY RANCH 4-65 9-10 1H - OWB - FINAL SU	100.00	89.84	2,343.47	2,343.18	7,980.726	CC
EXIST HZ SKY RANCH 4-65 9-10 1H - OWB - FINAL SU	200.00	189.67	2,343.48	2,342.65	2,826.817	ES
EXIST HZ SKY RANCH 4-65 9-10 1H - OWB - FINAL SU	10,300.00	7,256.00	4,612.79	4,534.18	58.680	SF
PROSPER FARMS 4-65 11-12 1BH - OWB - PROPOSA	100.00	101.00	119.85	119.58	443.562	CC, ES
PROSPER FARMS 4-65 11-12 1BH - OWB - PROPOSA	18,062.20	18,120.90	3,111.58	2,544.13	5.483	SF
PROSPER FARMS 4-65 11-12 2AH - OWB - PROPOSA	200.00	201.00	80.14	79.15	81.004	CC, ES
PROSPER FARMS 4-65 11-12 2AH - OWB - PROPOSA	18,062.20	18,034.09	2,591.77	2,024.31	4.567	SF
PROSPER FARMS 4-65 11-12 2BH - OWB - PROPOSA	200.00	201.00	60.11	59.12	60.752	CC, ES
PROSPER FARMS 4-65 11-12 2BH - OWB - PROPOSA	18,062.20	17,972.40	2,071.96	1,504.47	3.651	SF
PROSPER FARMS 4-65 11-12 4BH - OWB - PROPOSA	100.00	99.00	20.04	19.77	74.901	CC, ES
PROSPER FARMS 4-65 11-12 4BH - OWB - PROPOSA	18,062.20	18,178.42	599.89	31.36	1.055	Level 2, SF

<b>Offset Design</b>	SEC 10-T4S-R65W - EXIST HZ PROSPER FARMS 4-65 11-12 1H - OWB - FINAL SURVEY											<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b>	2195-MWD OWSG											<b>Offset Well Error:</b>	0.00 usft
Reference	Offset	Semi Major Axis		Distance									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	19.16	2,336.80	812.08	2,474.06				
100.00	100.00	69.73	69.73	0.13	0.12	19.16	2,336.80	812.09	2,473.89	2,473.63	0.26	9,585.746	CC
200.00	200.00	169.34	169.34	0.49	0.30	19.16	2,336.81	812.11	2,473.91	2,473.11	0.79	3,118.901	ES
300.00	299.98	268.93	268.93	0.84	0.48	-151.78	2,336.83	812.16	2,475.48	2,474.16	1.32	1,882.259	
400.00	399.84	368.40	368.40	1.19	0.65	-151.79	2,336.86	812.24	2,480.14	2,478.30	1.84	1,347.222	
500.00	499.45	467.63	467.63	1.55	0.83	-151.81	2,336.89	812.33	2,487.89	2,485.52	2.38	1,046.363	

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROSPER FARMS 4-65 11-12 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5708.00usft
<b>Reference Site:</b>	SEC 10-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5708.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROSPER FARMS 4-65 11-12 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 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		
600.00	598.70	566.49	566.49	1.94	1.00	-151.84	2,336.94	812.45	2,498.74	2,495.81	2.92	854.992		
700.00	697.47	664.86	664.86	2.36	1.18	-151.87	2,336.99	812.59	2,512.66	2,509.19	3.48	722.989		
800.00	795.94	762.94	762.94	2.80	1.35	-152.05	2,337.05	812.75	2,528.18	2,524.15	4.03	627.417		
900.00	894.41	861.02	861.02	3.24	1.53	-152.23	2,337.12	812.94	2,543.75	2,539.16	4.58	555.070		
1,000.00	992.89	959.10	959.10	3.70	1.70	-152.41	2,337.19	813.14	2,559.35	2,554.21	5.14	498.032		
1,100.00	1,091.36	1,057.18	1,057.18	4.15	1.87	-152.58	2,337.28	813.37	2,574.99	2,569.29	5.70	451.988		
1,200.00	1,189.83	1,155.26	1,155.26	4.61	2.05	-152.75	2,337.37	813.62	2,590.67	2,584.41	6.26	414.082		
1,300.00	1,288.31	1,253.33	1,253.33	5.07	2.22	-152.92	2,337.48	813.89	2,606.38	2,599.57	6.82	382.357		
1,400.00	1,386.78	1,351.40	1,351.40	5.53	2.40	-153.09	2,337.59	814.19	2,622.13	2,614.76	7.38	355.429		
1,500.00	1,485.26	1,449.47	1,449.47	5.99	2.57	-153.25	2,337.71	814.51	2,637.92	2,629.98	7.94	332.295		
1,600.00	1,583.73	1,547.54	1,547.54	6.45	2.74	-153.41	2,337.83	814.85	2,653.75	2,645.25	8.50	312.213		
1,700.00	1,682.20	1,645.61	1,645.60	6.92	2.92	-153.57	2,337.97	815.21	2,669.61	2,660.54	9.06	294.619		
1,800.00	1,780.68	1,743.67	1,743.67	7.38	3.09	-153.73	2,338.11	815.59	2,685.50	2,675.88	9.62	279.082		
1,900.00	1,879.15	1,841.74	1,841.73	7.85	3.27	-153.88	2,338.26	816.00	2,701.43	2,691.24	10.18	265.262		
2,000.00	1,977.63	1,939.80	1,939.79	8.31	3.44	-154.04	2,338.42	816.42	2,717.39	2,706.64	10.75	252.892		
2,100.00	2,076.10	2,037.86	2,037.85	8.78	3.61	-154.19	2,338.59	816.88	2,733.38	2,722.08	11.31	241.755		
2,200.00	2,174.57	2,135.91	2,135.90	9.24	3.79	-154.34	2,338.77	817.35	2,749.41	2,737.54	11.87	231.677		
2,300.00	2,273.05	2,233.97	2,233.96	9.71	3.96	-154.48	2,338.95	817.84	2,765.47	2,753.04	12.43	222.514		
2,400.00	2,371.52	2,306.24	2,306.23	10.17	4.29	-154.59	2,339.67	818.12	2,782.20	2,769.07	13.13	211.856		
2,500.00	2,470.00	2,417.22	2,417.20	10.64	4.68	-154.76	2,340.80	818.47	2,799.04	2,785.13	13.91	201.159		
2,600.00	2,568.47	2,491.84	2,491.81	11.11	4.94	-154.89	2,341.91	818.20	2,816.13	2,801.58	14.55	193.550		
2,700.00	2,666.94	2,578.36	2,578.30	11.57	5.24	-155.05	2,343.88	817.20	2,833.80	2,818.57	15.23	186.107		
2,800.00	2,765.42	2,664.18	2,664.08	12.04	5.53	-155.22	2,346.25	815.96	2,851.89	2,835.99	15.90	179.354		
2,900.00	2,863.89	2,822.85	2,822.70	12.51	6.08	-155.52	2,349.24	813.53	2,869.13	2,852.28	16.86	170.218		
3,000.00	2,962.37	2,930.66	2,930.48	12.97	6.44	-155.71	2,350.04	811.62	2,885.28	2,867.67	17.61	163.843		
3,100.00	3,060.84	3,032.21	3,032.02	13.44	6.79	-155.90	2,350.48	809.73	2,901.15	2,882.81	18.34	158.177		
3,200.00	3,159.31	3,125.97	3,125.76	13.91	7.11	-156.07	2,350.95	808.03	2,917.11	2,898.07	19.04	153.177		
3,300.00	3,257.79	3,225.25	3,225.02	14.37	7.45	-156.24	2,351.54	806.34	2,933.22	2,913.45	19.77	148.369		
3,400.00	3,356.26	3,317.80	3,317.57	14.84	7.77	-156.39	2,351.99	805.09	2,949.34	2,928.87	20.47	144.075		
3,500.00	3,454.73	3,414.16	3,413.91	15.31	8.11	-156.55	2,352.69	803.82	2,965.71	2,944.52	21.19	139.969		
3,600.00	3,553.21	3,521.55	3,521.30	15.77	8.48	-156.72	2,353.26	802.64	2,981.97	2,960.02	21.95	135.853		
3,700.00	3,651.68	3,607.60	3,607.34	16.24	8.78	-156.85	2,353.54	802.22	2,998.20	2,975.58	22.63	132.497		
3,800.00	3,750.16	3,694.33	3,694.07	16.71	9.09	-156.96	2,354.16	802.23	3,014.94	2,991.63	23.31	129.327		
3,900.00	3,848.63	3,786.63	3,786.37	17.18	9.42	-157.08	2,355.04	802.47	3,031.97	3,007.95	24.02	126.224		
4,000.00	3,947.10	3,877.34	3,877.07	17.64	9.74	-157.20	2,356.02	802.93	3,049.20	3,024.48	24.72	123.343		
4,100.00	4,045.58	4,025.00	4,024.72	18.11	10.26	-157.37	2,356.97	803.96	3,066.21	3,040.55	25.65	119.520		
4,200.00	4,144.05	4,126.05	4,125.77	18.58	10.61	-157.48	2,356.51	804.52	3,082.01	3,055.62	26.39	116.808		
4,300.00	4,242.53	4,216.09	4,215.81	19.04	10.92	-157.59	2,356.21	804.98	3,097.91	3,070.84	27.07	114.426		
4,400.00	4,341.00	4,313.26	4,312.97	19.51	11.26	-157.70	2,355.95	805.56	3,113.92	3,086.13	27.79	112.040		
4,500.00	4,439.47	4,406.48	4,406.19	19.98	11.58	-157.80	2,355.90	806.28	3,130.18	3,101.68	28.50	109.839		
4,600.00	4,537.95	4,538.84	4,538.54	20.45	12.04	-157.93	2,355.01	807.34	3,145.84	3,116.48	29.36	107.145		
4,700.00	4,636.42	4,675.49	4,675.16	20.91	12.51	-158.07	2,352.57	808.65	3,160.52	3,130.28	30.23	104.532		
4,800.00	4,734.90	4,756.88	4,756.53	21.38	12.79	-158.14	2,350.88	809.22	3,174.84	3,143.95	30.89	102.783		
4,900.00	4,833.37	4,860.76	4,860.40	21.85	13.14	-158.26	2,349.16	808.96	3,189.38	3,157.75	31.63	100.835		
5,000.00	4,931.84	4,956.24	4,955.86	22.32	13.47	-158.39	2,347.75	807.67	3,203.87	3,171.53	32.34	99.083		
5,100.00	5,030.32	5,061.33	5,060.92	22.78	13.83	-158.54	2,346.08	806.02	3,218.22	3,185.14	33.08	97.287		
5,200.00	5,128.79	5,127.46	5,127.05	23.25	14.06	-158.62	2,345.27	805.46	3,233.09	3,199.42	33.67	96.027		
5,300.00	5,227.27	5,227.46	5,227.04	23.72	14.40	-158.73	2,344.51	805.38	3,248.59	3,214.19	34.40	94.448		
5,400.00	5,325.74	5,400.00	5,338.30	24.19	15.00	-158.86	2,343.20	804.77	3,263.57	3,228.19	35.38	92.245		
5,500.00	5,424.21	5,407.20	5,406.77	24.65	15.02	-158.94	2,342.61	804.30	3,278.90	3,243.14	35.76	91.679		
5,600.00	5,522.69	5,490.44	5,490.01	25.12	15.31	-159.04	2,342.62	804.13	3,295.14	3,258.72	36.42	90.468		
5,700.00	5,621.16	5,588.75	5,588.32	25.59	15.65	-159.15	2,342.76	803.95	3,311.53	3,274.39	37.15	89.148		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROSPER FARMS 4-65 11-12 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5708.00usft
<b>Reference Site:</b>	SEC 10-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5708.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROSPER FARMS 4-65 11-12 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 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		
5,800.00	5,719.63	5,683.21	5,682.78	26.06	15.98	-159.26	2,342.98	803.42	3,327.95	3,290.10	37.85	87.920		
5,900.00	5,818.11	5,785.47	5,785.04	26.52	16.34	-159.39	2,343.36	802.56	3,344.46	3,305.87	38.59	86.664		
6,000.00	5,916.58	5,878.15	5,877.71	26.99	16.66	-159.50	2,343.69	801.55	3,360.92	3,321.63	39.29	85.544		
6,100.00	6,015.06	5,944.72	5,944.27	27.46	16.89	-159.58	2,344.20	801.03	3,377.90	3,338.03	39.87	84.717		
6,200.00	6,113.53	6,008.14	6,007.68	27.93	17.12	-159.65	2,345.30	801.44	3,396.00	3,355.56	40.44	83.977		
6,300.00	6,212.00	6,100.25	6,099.76	28.39	17.44	-159.73	2,347.27	802.50	3,414.64	3,373.51	41.14	83.006		
6,400.00	6,310.48	6,193.54	6,193.02	28.86	17.77	-159.81	2,349.38	803.89	3,433.48	3,391.64	41.84	82.061		
6,500.00	6,408.95	6,382.37	6,381.80	29.33	18.43	-159.95	2,351.78	807.50	3,451.77	3,408.79	42.98	80.320		
6,600.00	6,507.43	6,526.91	6,526.31	29.80	18.94	-160.06	2,350.03	809.28	3,467.10	3,423.21	43.90	78.985		
6,700.00	6,605.90	6,616.11	6,615.49	30.26	19.25	-160.13	2,348.66	810.08	3,482.17	3,437.59	44.58	78.112		
6,800.00	6,704.37	6,704.54	6,703.91	30.73	19.55	-160.20	2,347.63	811.09	3,497.63	3,452.37	45.26	77.279		
6,900.00	6,802.85	6,801.57	6,800.93	31.20	19.89	-160.27	2,346.68	811.88	3,513.24	3,467.26	45.98	76.414		
7,000.00	6,901.32	6,895.97	6,895.33	31.67	20.22	-160.38	2,346.12	810.93	3,528.90	3,482.22	46.68	75.599		
7,100.00	6,999.80	6,990.90	6,990.24	32.13	20.55	-160.49	2,345.79	809.55	3,544.73	3,497.35	47.38	74.811		
7,200.00	7,098.27	7,086.41	7,085.75	32.60	20.88	-160.60	2,345.45	808.46	3,560.62	3,512.53	48.09	74.042		
7,300.00	7,196.67	7,160.00	7,159.34	33.07	21.13	-140.04	2,345.27	808.11	3,576.56	3,527.86	48.70	73.435		
7,400.00	7,293.35	7,223.00	7,222.18	33.55	21.35	-111.24	2,344.95	812.19	3,590.89	3,541.59	49.30	72.841		
7,500.00	7,385.39	7,280.91	7,279.28	34.03	21.55	-99.38	2,344.30	821.68	3,602.90	3,553.01	49.89	72.215		
7,600.00	7,469.98	7,317.00	7,314.44	34.50	21.68	-93.36	2,343.91	829.81	3,612.55	3,562.14	50.41	71.665		
7,700.00	7,544.57	7,359.17	7,355.06	34.98	21.83	-89.98	2,343.84	841.11	3,620.01	3,568.99	51.01	70.960		
7,800.00	7,606.88	7,420.77	7,413.02	35.47	22.05	-88.24	2,343.92	861.90	3,625.03	3,573.20	51.83	69.940		
7,900.00	7,655.02	7,490.14	7,475.75	36.01	22.30	-87.60	2,343.38	891.44	3,627.11	3,574.26	52.85	68.633		
8,000.00	7,687.53	7,521.22	7,502.85	36.62	22.42	-87.32	2,343.08	906.66	3,626.81	3,572.99	53.82	67.392		
8,100.00	7,703.42	7,538.00	7,517.14	37.33	22.49	-87.42	2,343.07	915.45	3,624.94	3,570.08	54.86	66.079		
8,200.00	7,705.00	7,553.54	7,530.16	38.17	22.55	-87.71	2,343.23	923.93	3,622.39	3,566.37	56.03	64.655		
8,266.58	7,705.00	7,569.00	7,542.90	38.82	22.61	-87.91	2,343.58	932.68	3,621.92	3,564.99	56.93	63.620		
8,300.00	7,705.00	7,569.00	7,542.90	39.18	22.61	-87.91	2,343.58	932.68	3,622.07	3,564.74	57.33	63.184		
8,400.00	7,705.00	7,800.92	7,700.93	40.36	23.88	-90.41	2,344.53	1,100.25	3,623.07	3,562.51	60.55	59.832		
8,451.53	7,705.00	7,821.00	7,711.32	41.05	24.03	-90.57	2,344.14	1,117.43	3,622.85	3,561.35	61.50	58.908		
8,500.00	7,705.00	7,834.03	7,717.75	41.72	24.13	-90.68	2,343.99	1,128.76	3,623.11	3,560.78	62.33	58.125		
8,600.00	7,705.00	7,880.83	7,738.76	43.23	24.53	-91.01	2,343.94	1,170.57	3,625.03	3,560.64	64.38	56.305		
8,700.00	7,705.00	8,073.00	7,789.29	44.87	26.63	-91.81	2,342.28	1,355.29	3,625.96	3,557.30	68.67	52.805		
8,800.00	7,705.00	8,141.07	7,795.83	46.63	27.55	-91.91	2,341.69	1,423.02	3,626.78	3,555.30	71.47	50.742		
8,900.00	7,705.00	8,306.66	7,794.68	48.49	30.10	-91.89	2,339.54	1,588.53	3,626.73	3,550.45	76.28	47.547		
9,000.00	7,705.00	8,402.31	7,793.11	50.44	31.76	-91.87	2,337.56	1,684.14	3,626.02	3,545.98	80.04	45.301		
9,052.00	7,705.00	8,436.01	7,792.84	51.49	32.38	-91.86	2,337.01	1,717.84	3,625.89	3,544.16	81.73	44.362		
9,100.00	7,705.00	8,473.00	7,792.61	52.47	33.06	-91.86	2,336.60	1,754.83	3,626.01	3,542.59	83.42	43.467		
9,200.00	7,705.00	8,580.28	7,791.53	54.56	35.15	-91.84	2,335.39	1,862.09	3,626.26	3,538.51	87.75	41.324		
9,300.00	7,705.00	8,660.00	7,791.45	56.71	36.76	-91.84	2,334.60	1,941.81	3,626.66	3,535.10	91.56	39.608		
9,400.00	7,705.00	8,782.01	7,792.41	58.91	39.34	-91.85	2,333.30	2,063.81	3,627.03	3,530.51	96.52	37.578		
9,500.00	7,705.00	8,897.72	7,793.19	61.15	41.88	-91.87	2,331.43	2,179.50	3,626.84	3,525.40	101.44	35.752		
9,600.00	7,705.00	9,012.95	7,794.05	63.43	44.48	-91.88	2,329.13	2,294.70	3,626.28	3,519.83	106.45	34.064		
9,700.00	7,705.00	9,148.21	7,794.79	65.74	47.61	-91.89	2,325.52	2,429.91	3,625.05	3,512.97	112.07	32.345		
9,800.00	7,705.00	9,202.23	7,795.17	68.09	48.88	-91.90	2,324.26	2,483.92	3,624.04	3,508.42	115.62	31.343		
9,842.95	7,705.00	9,227.00	7,795.41	69.10	49.47	-91.90	2,323.83	2,508.68	3,623.92	3,506.73	117.19	30.923		
9,900.00	7,705.00	9,266.69	7,795.81	70.46	50.41	-91.91	2,323.34	2,548.36	3,624.04	3,504.57	119.47	30.335		
10,000.00	7,705.00	9,344.43	7,796.38	72.85	52.27	-91.92	2,322.97	2,626.10	3,624.96	3,501.27	123.70	29.305		
10,100.00	7,705.00	9,463.37	7,796.86	75.27	55.15	-91.93	2,322.12	2,745.04	3,625.64	3,496.53	129.11	28.081		
10,200.00	7,705.00	9,579.47	7,795.79	77.71	58.00	-91.91	2,321.07	2,861.13	3,626.13	3,491.63	134.49	26.961		
10,300.00	7,705.00	9,695.58	7,794.17	80.16	60.87	-91.88	2,319.33	2,977.21	3,625.98	3,486.07	139.91	25.916		
10,400.00	7,705.00	9,788.91	7,792.81	82.63	63.19	-91.86	2,317.84	3,070.52	3,625.75	3,481.02	144.73	25.052		
10,500.00	7,705.00	9,913.09	7,790.96	85.11	66.31	-91.83	2,315.31	3,194.66	3,625.02	3,474.57	150.45	24.095		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROSPER FARMS 4-65 11-12 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5708.00usft
<b>Reference Site:</b>	SEC 10-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5708.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROSPER FARMS 4-65 11-12 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 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		
10,583.00	7,705.00	9,967.36	7,790.42	87.18	67.68	-91.82	2,314.35	3,248.91	3,624.68	3,470.86	153.82	23.564		
10,600.00	7,705.00	9,984.00	7,790.37	87.61	68.10	-91.82	2,314.13	3,265.56	3,624.70	3,470.03	154.67	23.435		
10,700.00	7,705.00	10,107.59	7,789.35	90.12	71.23	-91.81	2,312.27	3,389.13	3,624.62	3,464.19	160.43	22.594		
10,800.00	7,705.00	10,211.72	7,787.17	92.64	73.89	-91.77	2,309.76	3,493.20	3,623.54	3,457.89	165.65	21.875		
10,868.57	7,705.00	10,253.52	7,786.72	94.37	74.96	-91.77	2,309.02	3,535.00	3,623.27	3,454.89	168.38	21.518		
10,900.00	7,705.00	10,279.35	7,786.64	95.17	75.62	-91.77	2,308.70	3,560.82	3,623.30	3,453.48	169.83	21.335		
11,000.00	7,705.00	10,389.08	7,786.28	97.71	78.44	-91.76	2,306.97	3,670.54	3,623.11	3,447.87	175.24	20.675		
11,018.40	7,705.00	10,402.55	7,786.28	98.17	78.78	-91.76	2,306.77	3,684.01	3,623.10	3,447.05	176.04	20.581		
11,100.00	7,705.00	10,465.64	7,786.52	100.25	80.41	-91.76	2,306.07	3,747.09	3,623.34	3,443.64	179.70	20.163		
11,200.00	7,705.00	10,583.04	7,787.03	102.81	83.44	-91.77	2,304.78	3,864.48	3,623.67	3,438.30	185.37	19.548		
11,300.00	7,705.00	10,704.75	7,787.31	105.37	86.59	-91.78	2,302.65	3,986.18	3,623.32	3,432.14	191.18	18.952		
11,382.00	7,705.00	10,766.16	7,787.17	107.48	88.18	-91.77	2,301.49	4,047.57	3,622.96	3,428.13	194.83	18.596		
11,400.00	7,705.00	10,775.56	7,787.15	107.94	88.43	-91.77	2,301.37	4,056.98	3,622.98	3,427.47	195.51	18.531		
11,500.00	7,705.00	10,834.00	7,787.18	110.52	89.95	-91.77	2,301.12	4,115.41	3,623.88	3,424.43	199.46	18.169		
11,600.00	7,705.00	10,950.06	7,787.06	113.10	92.97	-91.77	2,300.97	4,231.47	3,625.18	3,420.04	205.14	17.671		
11,700.00	7,705.00	11,057.88	7,786.67	115.68	95.78	-91.76	2,300.35	4,339.29	3,626.00	3,415.40	210.59	17.218		
11,800.00	7,705.00	11,177.39	7,785.60	118.27	98.90	-91.75	2,299.38	4,458.79	3,626.58	3,410.19	216.40	16.759		
11,900.00	7,705.00	11,263.49	7,785.06	120.87	101.16	-91.74	2,298.32	4,544.88	3,626.77	3,405.56	221.21	16.395		
12,000.00	7,705.00	11,361.99	7,784.67	123.47	103.74	-91.73	2,297.79	4,643.38	3,627.63	3,401.22	226.40	16.023		
12,100.00	7,705.00	11,507.59	7,783.08	126.08	107.57	-91.71	2,295.64	4,788.95	3,627.48	3,394.47	233.01	15.568		
12,193.77	7,705.00	11,577.98	7,782.10	128.52	109.42	-91.69	2,294.45	4,859.32	3,627.18	3,389.94	237.24	15.289		
12,200.00	7,705.00	11,582.66	7,782.05	128.68	109.54	-91.69	2,294.39	4,864.00	3,627.18	3,389.66	237.52	15.271		
12,300.00	7,705.00	11,627.30	7,781.79	131.30	110.72	-91.69	2,294.09	4,908.64	3,627.94	3,386.84	241.10	15.047		
12,400.00	7,705.00	11,684.00	7,781.94	133.91	112.21	-91.69	2,294.80	4,965.33	3,630.40	3,385.39	245.01	14.817		
12,500.00	7,705.00	11,769.92	7,782.25	136.53	114.47	-91.69	2,296.57	5,051.23	3,633.79	3,383.97	249.82	14.545		
12,600.00	7,705.00	11,914.19	7,782.09	139.15	118.27	-91.69	2,298.13	5,195.49	3,636.25	3,379.77	256.48	14.177		
12,700.00	7,705.00	12,021.27	7,782.45	141.78	121.09	-91.69	2,298.47	5,302.57	3,637.98	3,376.00	261.98	13.887		
12,800.00	7,705.00	12,124.43	7,782.01	144.40	123.82	-91.69	2,298.83	5,405.73	3,639.73	3,372.37	267.35	13.614		
12,900.00	7,705.00	12,270.77	7,781.64	147.03	127.69	-91.68	2,298.35	5,552.07	3,640.82	3,366.77	274.05	13.285		
13,000.00	7,705.00	12,386.84	7,779.88	149.67	130.77	-91.65	2,296.89	5,668.11	3,640.92	3,361.09	279.83	13.011		
13,100.00	7,705.00	13,100.00	7,776.86	152.30	149.69	-91.60	2,294.34	5,799.56	3,640.29	3,338.80	301.49	12.074		
13,200.00	7,705.00	12,641.98	7,773.44	154.94	137.54	-91.55	2,290.75	5,923.09	3,638.65	3,346.60	292.05	12.459		
13,300.00	7,705.00	12,728.12	7,771.61	157.58	139.83	-91.52	2,288.40	6,009.18	3,637.26	3,340.31	296.95	12.249		
13,400.00	7,705.00	12,820.98	7,769.60	160.22	142.30	-91.49	2,286.13	6,101.99	3,636.16	3,334.10	302.06	12.038		
13,500.00	7,705.00	12,905.42	7,767.59	162.86	144.54	-91.46	2,284.33	6,186.39	3,635.38	3,328.47	306.91	11.845		
13,600.00	7,705.00	12,988.22	7,765.66	165.50	146.75	-91.43	2,282.93	6,269.16	3,635.04	3,323.32	311.71	11.662		
13,700.00	7,705.00	13,134.23	7,760.38	168.15	150.63	-91.35	2,279.77	6,415.02	3,634.13	3,315.74	318.39	11.414		
13,800.00	7,705.00	13,229.69	7,757.05	170.80	153.17	-91.29	2,277.44	6,510.40	3,633.01	3,309.44	323.57	11.228		
13,900.00	7,705.00	13,343.17	7,753.85	173.44	156.20	-91.24	2,274.06	6,623.78	3,631.34	3,302.05	329.29	11.028		
14,000.00	7,705.00	13,414.33	7,752.86	176.10	158.09	-91.23	2,272.13	6,694.91	3,630.04	3,296.27	333.77	10.876		
14,070.51	7,705.00	13,455.36	7,752.51	177.96	159.19	-91.22	2,271.39	6,735.93	3,629.76	3,293.11	336.65	10.782		
14,100.00	7,705.00	13,481.00	7,752.35	178.75	159.87	-91.22	2,271.10	6,761.57	3,629.82	3,291.72	338.11	10.736		
14,200.00	7,705.00	13,534.90	7,752.16	181.40	161.31	-91.22	2,270.85	6,815.46	3,630.67	3,288.66	342.01	10.616		
14,300.00	7,705.00	13,677.62	7,751.48	184.05	165.11	-91.21	2,270.68	6,958.18	3,632.16	3,283.50	348.65	10.418		
14,400.00	7,705.00	13,836.85	7,750.28	186.71	169.36	-91.19	2,268.28	7,117.38	3,632.33	3,276.60	355.74	10.211		
14,500.00	7,705.00	13,990.36	7,749.66	189.37	173.46	-91.18	2,261.83	7,270.76	3,629.19	3,266.62	362.58	10.009		
14,600.00	7,705.00	14,049.00	7,749.85	192.02	175.03	-91.18	2,259.71	7,329.36	3,626.93	3,260.18	366.76	9.889		
14,700.00	7,705.00	14,101.22	7,750.19	194.68	176.43	-91.19	2,258.46	7,381.56	3,625.89	3,255.19	370.70	9.781		
14,738.44	7,705.00	14,123.40	7,750.27	195.71	177.02	-91.19	2,258.10	7,403.74	3,625.81	3,253.54	372.27	9.740		
14,800.00	7,705.00	14,166.02	7,750.33	197.34	178.16	-91.19	2,257.64	7,446.36	3,626.00	3,251.03	374.97	9.670		
14,900.00	7,705.00	14,252.56	7,750.49	200.00	180.47	-91.19	2,257.05	7,532.90	3,626.73	3,246.83	379.89	9.547		
15,000.00	7,705.00	14,350.38	7,750.84	202.67	183.09	-91.20	2,256.61	7,630.71	3,627.69	3,242.52	385.16	9.419		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROSPER FARMS 4-65 11-12 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5708.00usft
<b>Reference Site:</b>	SEC 10-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5708.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROSPER FARMS 4-65 11-12 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SEC 10-T4S-R65W - EXIST HZ PROSPER FARMS 4-65 11-12 1H - OWB - FINAL SURVEY												<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b> 2195-MWD OWSG												<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
15,100.00	7,705.00	14,466.85	7,751.37	205.33	186.20	-91.21	2,255.82	7,747.17	3,628.42	3,237.41	391.01	9.280	
15,200.00	7,705.00	14,602.51	7,750.25	207.99	189.83	-91.19	2,253.96	7,882.81	3,628.45	3,231.01	397.43	9.130	
15,260.01	7,705.00	14,645.00	7,749.38	209.59	190.96	-91.17	2,253.18	7,925.29	3,628.20	3,228.08	400.12	9.068	
15,300.00	7,705.00	14,645.00	7,749.38	210.66	190.96	-91.17	2,253.18	7,925.29	3,628.42	3,227.40	401.02	9.048	
15,400.00	7,705.00	14,645.00	7,749.38	213.32	190.96	-91.17	2,253.18	7,925.29	3,630.90	3,227.83	403.07	9.008	
15,500.00	7,705.00	14,645.00	7,749.38	215.99	190.96	-91.17	2,253.18	7,925.29	3,636.13	3,231.30	404.82	8.982	
15,600.00	7,705.00	14,645.00	7,749.38	218.66	190.96	-91.17	2,253.18	7,925.29	3,644.10	3,237.82	406.27	8.970 SF	
15,700.00	7,705.00	14,645.00	7,749.38	221.32	190.96	-91.17	2,253.18	7,925.29	3,654.78	3,247.36	407.42	8.971	
15,800.00	7,705.00	14,645.00	7,749.38	223.99	190.96	-91.17	2,253.18	7,925.29	3,668.16	3,259.90	408.26	8.985	
15,900.00	7,705.00	14,645.00	7,749.38	226.66	190.96	-91.17	2,253.18	7,925.29	3,684.21	3,275.40	408.81	9.012	
16,000.00	7,705.00	14,645.00	7,749.38	229.33	190.96	-91.17	2,253.18	7,925.29	3,702.89	3,293.82	409.07	9.052	
16,100.00	7,705.00	14,645.00	7,749.38	232.00	190.96	-91.17	2,253.18	7,925.29	3,724.17	3,315.11	409.06	9.104	
16,200.00	7,705.00	14,645.00	7,749.38	234.67	190.96	-91.17	2,253.18	7,925.29	3,747.99	3,339.22	408.77	9.169	
16,300.00	7,705.00	14,645.00	7,749.38	237.34	190.96	-91.17	2,253.18	7,925.29	3,774.31	3,366.10	408.22	9.246	
16,400.00	7,705.00	14,645.00	7,749.38	240.01	190.96	-91.17	2,253.18	7,925.29	3,803.08	3,395.66	407.42	9.335	
16,500.00	7,705.00	14,645.00	7,749.38	242.69	190.96	-91.17	2,253.18	7,925.29	3,834.24	3,427.86	406.38	9.435	
16,600.00	7,705.00	14,645.00	7,749.38	245.36	190.96	-91.17	2,253.18	7,925.29	3,867.74	3,462.61	405.13	9.547	
16,700.00	7,705.00	14,645.00	7,749.38	248.03	190.96	-91.17	2,253.18	7,925.29	3,903.51	3,499.85	403.66	9.670	
16,800.00	7,705.00	14,645.00	7,749.38	250.71	190.96	-91.17	2,253.18	7,925.29	3,941.50	3,539.49	402.01	9.805	
16,900.00	7,705.00	14,645.00	7,749.38	253.38	190.96	-91.17	2,253.18	7,925.29	3,981.63	3,581.46	400.17	9.950	
17,000.00	7,705.00	14,645.00	7,749.38	256.06	190.96	-91.17	2,253.18	7,925.29	4,023.85	3,625.68	398.17	10.106	
17,100.00	7,705.00	14,645.00	7,749.38	258.73	190.96	-91.17	2,253.18	7,925.29	4,068.10	3,672.07	396.02	10.272	
17,200.00	7,705.00	14,645.00	7,749.38	261.41	190.96	-91.17	2,253.18	7,925.29	4,114.29	3,720.55	393.74	10.449	
17,300.00	7,705.00	14,645.00	7,749.38	264.08	190.96	-91.17	2,253.18	7,925.29	4,162.38	3,771.05	391.33	10.636	
17,400.00	7,705.00	14,645.00	7,749.38	266.76	190.96	-91.17	2,253.18	7,925.29	4,212.29	3,823.47	388.82	10.834	
17,500.00	7,705.00	14,645.00	7,749.38	269.44	190.96	-91.17	2,253.18	7,925.29	4,263.97	3,877.76	386.21	11.041	
17,600.00	7,705.00	14,645.00	7,749.38	272.11	190.96	-91.17	2,253.18	7,925.29	4,317.34	3,933.82	383.52	11.257	
17,700.00	7,705.00	14,645.00	7,749.38	274.79	190.96	-91.17	2,253.18	7,925.29	4,372.34	3,991.59	380.75	11.483	
17,800.00	7,705.00	14,645.00	7,749.38	277.47	190.96	-91.17	2,253.18	7,925.29	4,428.93	4,051.00	377.93	11.719	
17,900.00	7,705.00	14,645.00	7,749.38	280.15	190.96	-91.17	2,253.18	7,925.29	4,487.03	4,111.97	375.05	11.964	
18,000.00	7,705.00	14,645.00	7,749.38	282.83	190.96	-91.17	2,253.18	7,925.29	4,546.58	4,174.45	372.13	12.218	
18,062.20	7,705.00	14,645.00	7,749.38	284.49	190.96	-91.17	2,253.18	7,925.29	4,584.34	4,214.03	370.30	12.380	

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROSPER FARMS 4-65 11-12 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5708.00usft
<b>Reference Site:</b>	SEC 10-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5708.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROSPER FARMS 4-65 11-12 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 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	85.12	79.43	930.87	934.37				
100.00	100.00	87.16	87.16	0.13	0.22	85.12	79.44	930.76	934.14	933.79	0.36	2,627.886	
200.00	200.00	185.27	185.27	0.49	0.57	85.12	79.53	930.59	933.98	932.92	1.06	878.433	
214.99	214.99	199.64	199.64	0.54	0.62	-85.83	79.58	930.59	933.98	932.81	1.17	801.341	
300.00	299.98	282.92	282.92	0.84	0.92	-85.97	80.23	930.69	934.02	932.27	1.75	533.194	
400.00	399.84	383.21	383.20	1.19	1.27	-86.35	81.13	930.75	933.81	931.36	2.45	380.516	
500.00	499.45	481.68	481.67	1.55	1.62	-86.93	81.86	930.94	933.57	930.40	3.17	294.371	
600.00	598.70	580.09	580.08	1.94	1.97	-87.71	82.54	931.19	933.32	929.41	3.91	238.620	
700.00	697.47	679.27	679.25	2.36	2.32	-88.70	83.21	931.51	933.23	928.55	4.68	199.334	
730.26	727.26	709.54	709.52	2.49	2.43	-89.03	83.40	931.58	933.22	928.30	4.92	189.600 CC	
800.00	795.94	777.97	777.95	2.80	2.67	-89.78	83.73	931.74	933.32	927.85	5.47	170.600	
900.00	894.41	876.61	876.59	3.24	3.02	-90.84	83.89	932.03	933.73	927.47	6.26	149.116	
1,000.00	992.89	976.40	976.38	3.70	3.36	-91.90	83.78	932.30	934.40	927.34	7.05	132.453	
1,100.00	1,091.36	1,075.59	1,075.57	4.15	3.70	-92.94	83.57	932.46	935.27	927.42	7.85	119.195	
1,200.00	1,189.83	1,174.43	1,174.41	4.61	4.03	-93.97	83.31	932.59	936.41	927.76	8.64	108.376	
1,300.00	1,288.31	1,273.90	1,273.88	5.07	4.38	-95.02	83.10	932.64	937.79	928.35	9.44	99.358	
1,400.00	1,386.78	1,373.30	1,373.28	5.53	4.72	-96.05	82.73	932.60	939.35	929.12	10.24	91.753	
1,500.00	1,485.26	1,471.15	1,471.13	5.99	5.06	-97.05	82.31	932.60	941.25	930.22	11.03	85.305	
1,600.00	1,583.73	1,569.30	1,569.28	6.45	5.40	-98.06	81.86	932.65	943.49	931.66	11.83	79.735	
1,700.00	1,682.20	1,666.12	1,666.10	6.92	5.74	-99.05	81.49	932.77	946.12	933.49	12.63	74.921	
1,800.00	1,780.68	1,763.07	1,763.04	7.38	6.08	-100.02	81.10	933.14	949.28	935.86	13.42	70.711	
1,900.00	1,879.15	1,861.98	1,861.95	7.85	6.43	-101.02	80.84	933.51	952.78	938.55	14.23	66.962	
2,000.00	1,977.63	1,960.89	1,960.86	8.31	6.78	-102.01	80.60	933.81	956.50	941.47	15.03	63.633	
2,100.00	2,076.10	2,059.41	2,059.39	8.78	7.13	-103.00	80.35	934.10	960.51	944.68	15.83	60.670	
2,200.00	2,174.57	2,157.86	2,157.83	9.24	7.47	-103.97	80.06	934.41	964.81	948.18	16.63	58.014	
2,300.00	2,273.05	2,256.35	2,256.32	9.71	7.82	-104.93	79.77	934.74	969.40	951.97	17.43	55.623	
2,400.00	2,371.52	2,355.08	2,355.05	10.17	8.17	-105.90	79.73	934.94	974.26	956.03	18.22	53.459	
2,500.00	2,470.00	2,453.30	2,453.27	10.64	8.52	-106.86	79.85	935.05	979.40	960.39	19.01	51.514	
2,600.00	2,568.47	2,551.07	2,551.04	11.11	8.86	-107.81	79.94	935.26	984.89	965.09	19.80	49.751	
2,700.00	2,666.94	2,651.56	2,651.54	11.57	9.21	-108.78	80.07	935.37	990.58	970.00	20.59	48.117	
2,800.00	2,765.42	2,752.04	2,752.01	12.04	9.56	-109.74	80.08	935.25	996.30	974.93	21.37	46.621	
2,900.00	2,863.89	2,849.11	2,849.08	12.51	9.90	-110.64	79.93	935.22	1,002.29	980.15	22.14	45.265	
3,000.00	2,962.37	2,947.03	2,947.00	12.97	10.24	-111.54	79.82	935.36	1,008.71	985.79	22.92	44.012	
3,100.00	3,060.84	3,046.68	3,046.65	13.44	10.59	-112.46	79.80	935.27	1,015.23	991.53	23.70	42.844	
3,200.00	3,159.31	3,144.15	3,144.12	13.91	10.93	-113.33	79.70	935.34	1,022.09	997.62	24.46	41.782	
3,300.00	3,257.79	3,244.17	3,244.14	14.37	11.27	-114.23	79.74	935.27	1,029.16	1,003.93	25.23	40.784	
3,400.00	3,356.26	3,341.72	3,341.69	14.84	11.61	-115.08	79.65	935.13	1,036.35	1,010.35	25.99	39.868	
3,500.00	3,454.73	3,439.44	3,439.41	15.31	11.95	-115.94	79.75	935.15	1,044.01	1,017.26	26.75	39.024	
3,600.00	3,553.21	3,537.90	3,537.87	15.77	12.29	-116.78	79.78	935.11	1,051.82	1,024.30	27.51	38.231	
3,700.00	3,651.68	3,636.28	3,636.25	16.24	12.63	-117.62	79.91	935.10	1,059.94	1,031.67	28.27	37.493	
3,800.00	3,750.16	3,737.75	3,737.72	16.71	12.98	-118.46	79.86	935.04	1,068.14	1,039.10	29.04	36.782	
3,900.00	3,848.63	3,837.27	3,837.24	17.18	13.33	-119.28	79.85	934.65	1,076.32	1,046.53	29.80	36.124	
4,000.00	3,947.10	3,931.90	3,931.87	17.64	13.65	-120.06	79.89	934.37	1,084.84	1,054.31	30.53	35.536	
4,100.00	4,045.58	4,029.96	4,029.93	18.11	14.00	-120.84	80.03	934.37	1,093.85	1,062.57	31.28	34.974	
4,200.00	4,144.05	4,127.92	4,127.89	18.58	14.34	-121.60	79.98	934.50	1,103.04	1,071.02	32.03	34.442	
4,300.00	4,242.53	4,225.52	4,225.49	19.04	14.68	-122.34	80.02	934.66	1,112.50	1,079.73	32.77	33.947	
4,400.00	4,341.00	4,327.11	4,327.08	19.51	15.04	-123.11	80.04	934.72	1,122.08	1,088.55	33.53	33.465	
4,500.00	4,439.47	4,423.35	4,423.31	19.98	15.38	-123.82	80.03	934.73	1,131.77	1,097.51	34.26	33.031	
4,600.00	4,537.95	4,521.13	4,521.09	20.45	15.72	-124.53	80.16	934.79	1,141.79	1,106.79	35.00	32.621	
4,700.00	4,636.42	4,622.30	4,622.27	20.91	16.07	-125.26	80.24	934.77	1,151.90	1,116.15	35.75	32.221	
4,800.00	4,734.90	4,717.97	4,717.94	21.38	16.40	-125.94	80.33	934.82	1,162.23	1,125.76	36.47	31.865	
4,900.00	4,833.37	4,818.46	4,818.42	21.85	16.75	-126.63	80.35	934.90	1,172.70	1,135.48	37.22	31.507	

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROSPER FARMS 4-65 11-12 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5708.00usft
<b>Reference Site:</b>	SEC 10-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5708.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROSPER FARMS 4-65 11-12 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 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		
5,000.00	4,931.84	4,917.18	4,917.15	22.32	17.10	-127.29	80.21	935.01	1,183.24	1,145.28	37.96	31.171		
5,100.00	5,030.32	5,013.55	5,013.52	22.78	17.44	-127.94	80.19	935.08	1,194.01	1,155.33	38.68	30.866		
5,200.00	5,128.79	5,110.18	5,110.15	23.25	17.78	-128.59	80.62	935.03	1,205.18	1,165.77	39.40	30.584		
5,300.00	5,227.27	5,211.19	5,211.16	23.72	18.13	-129.25	80.89	934.98	1,216.37	1,176.23	40.14	30.301		
5,400.00	5,325.74	5,328.21	5,328.17	24.19	18.53	-130.03	81.20	934.11	1,227.36	1,186.41	40.95	29.972		
5,500.00	5,424.21	5,456.28	5,456.06	24.65	18.97	-131.07	82.01	927.68	1,235.97	1,194.19	41.77	29.588		
5,600.00	5,522.69	5,568.33	5,567.60	25.12	19.36	-132.18	84.26	917.28	1,243.27	1,200.76	42.51	29.246		
5,700.00	5,621.16	5,657.94	5,656.59	25.59	19.67	-133.15	87.28	907.20	1,250.82	1,207.65	43.17	28.976		
5,800.00	5,719.63	5,748.70	5,746.55	26.06	19.99	-134.20	91.61	896.01	1,259.26	1,215.44	43.82	28.738		
5,900.00	5,818.11	5,853.24	5,849.88	26.52	20.36	-135.47	97.87	881.49	1,268.29	1,223.78	44.51	28.494		
6,000.00	5,916.58	5,981.70	5,976.36	26.99	20.82	-137.13	104.70	860.09	1,275.71	1,230.44	45.27	28.180		
6,100.00	6,015.06	6,088.07	6,080.64	27.46	21.21	-138.57	110.31	839.93	1,282.66	1,236.71	45.96	27.911		
6,200.00	6,113.53	6,205.69	6,194.96	27.93	21.65	-140.32	117.51	813.25	1,289.16	1,242.50	46.66	27.628		
6,300.00	6,212.00	6,334.64	6,318.94	28.39	22.16	-142.42	125.11	778.64	1,294.35	1,246.97	47.39	27.316		
6,400.00	6,310.48	6,450.87	6,430.18	28.86	22.63	-144.33	129.93	745.28	1,298.28	1,250.19	48.09	26.998		
6,500.00	6,408.95	6,562.50	6,536.46	29.33	23.10	-146.22	133.82	711.39	1,302.08	1,253.29	48.79	26.687		
6,600.00	6,507.43	6,674.12	6,642.04	29.80	23.58	-148.15	136.77	675.31	1,305.49	1,255.98	49.50	26.371		
6,700.00	6,605.90	6,788.83	6,749.51	30.26	24.11	-150.24	139.16	635.28	1,308.69	1,258.45	50.24	26.049		
6,800.00	6,704.37	6,872.00	6,826.78	30.73	24.51	-151.82	141.12	604.55	1,312.74	1,261.81	50.93	25.775		
6,900.00	6,802.85	6,964.68	6,912.18	31.20	24.98	-153.64	143.98	568.69	1,318.31	1,266.66	51.65	25.523		
7,000.00	6,901.32	7,041.86	6,982.80	31.67	25.38	-155.19	146.99	537.70	1,325.70	1,273.37	52.33	25.333		
7,100.00	6,999.80	7,111.59	7,047.25	32.13	25.74	-156.53	150.03	511.35	1,335.65	1,282.70	52.95	25.224		
7,200.00	7,098.27	7,185.36	7,118.35	32.60	26.08	-157.56	152.17	491.97	1,348.17	1,294.60	53.57	25.166		
7,300.00	7,196.67	7,251.00	7,183.21	33.07	26.36	-137.60	153.12	482.09	1,362.31	1,308.19	54.12	25.172		
7,400.00	7,293.35	7,317.99	7,250.08	33.55	26.60	-109.47	154.10	478.74	1,375.82	1,321.19	54.63	25.186		
7,500.00	7,385.39	7,379.00	7,310.98	34.03	26.79	-98.22	155.66	481.48	1,388.59	1,333.52	55.07	25.213		
7,600.00	7,469.98	7,446.93	7,378.02	34.50	26.99	-92.95	157.40	492.06	1,400.09	1,344.52	55.57	25.194		
7,700.00	7,544.57	7,537.50	7,464.58	34.98	27.22	-90.68	158.54	518.34	1,409.44	1,353.15	56.29	25.038		
7,800.00	7,606.88	7,585.05	7,507.98	35.47	27.34	-89.02	159.11	537.74	1,417.51	1,360.74	56.77	24.968		
7,900.00	7,655.02	7,635.88	7,552.14	36.01	27.46	-88.22	160.60	562.82	1,425.70	1,368.28	57.42	24.830		
8,000.00	7,687.53	7,697.53	7,602.01	36.62	27.62	-88.23	163.15	598.90	1,433.79	1,375.45	58.34	24.578		
8,100.00	7,703.42	7,775.13	7,658.13	37.33	27.85	-89.09	166.86	652.28	1,441.49	1,381.89	59.60	24.187		
8,200.00	7,705.00	7,874.90	7,718.08	38.17	28.24	-91.11	171.13	731.74	1,448.42	1,387.15	61.27	23.639		
8,300.00	7,705.00	7,973.52	7,763.37	39.18	28.78	-92.90	174.82	819.17	1,455.86	1,392.67	63.19	23.040		
8,400.00	7,705.00	8,152.77	7,809.05	40.36	30.19	-94.67	179.71	991.64	1,462.19	1,395.57	66.62	21.949		
8,500.00	7,705.00	8,256.82	7,813.14	41.72	31.26	-94.83	180.24	1,095.56	1,464.40	1,395.02	69.38	21.106		
8,600.00	7,705.00	8,334.56	7,812.40	43.23	32.18	-94.79	181.90	1,173.28	1,467.86	1,395.92	71.93	20.406		
8,700.00	7,705.00	8,419.09	7,810.99	44.87	33.30	-94.72	185.04	1,257.74	1,472.80	1,397.99	74.81	19.688		
8,800.00	7,705.00	8,509.51	7,809.96	46.63	34.62	-94.66	188.76	1,348.08	1,478.22	1,400.22	78.00	18.951		
8,900.00	7,705.00	8,590.71	7,809.52	48.49	35.90	-94.63	193.10	1,429.16	1,484.87	1,403.72	81.15	18.299		
9,000.00	7,705.00	8,693.47	7,809.34	50.44	37.64	-94.60	199.10	1,531.74	1,492.08	1,407.08	85.00	17.554		
9,100.00	7,705.00	8,807.28	7,808.57	52.47	39.71	-94.55	204.84	1,645.40	1,498.44	1,409.11	89.33	16.774		
9,200.00	7,705.00	8,919.37	7,807.85	54.56	41.86	-94.50	209.77	1,757.39	1,504.19	1,410.40	93.78	16.039		
9,300.00	7,705.00	9,215.16	7,805.57	56.71	47.99	-94.43	200.87	2,052.74	1,501.78	1,398.41	103.37	14.528		
9,400.00	7,705.00	9,314.33	7,804.76	58.91	50.16	-94.42	191.64	2,151.48	1,493.84	1,386.00	107.84	13.853		
9,500.00	7,705.00	9,383.10	7,804.21	61.15	51.70	-94.41	185.99	2,220.01	1,487.02	1,375.44	111.59	13.326		
9,600.00	7,705.00	9,448.19	7,804.05	63.43	53.17	-94.41	182.14	2,284.99	1,482.52	1,367.27	115.24	12.864		
9,700.00	7,705.00	9,514.00	7,803.97	65.74	54.67	-94.42	179.82	2,350.75	1,480.37	1,361.46	118.92	12.449		
9,763.52	7,705.00	9,562.34	7,803.90	67.23	55.79	-94.41	178.92	2,399.09	1,480.07	1,358.62	121.45	12.186		
9,800.00	7,705.00	9,590.82	7,803.85	68.09	56.45	-94.41	178.60	2,427.57	1,480.17	1,357.24	122.93	12.041		
9,900.00	7,705.00	9,684.44	7,803.74	70.46	58.64	-94.40	178.13	2,521.19	1,481.05	1,353.56	127.49	11.617		
10,000.00	7,705.00	9,756.81	7,803.63	72.85	60.35	-94.40	178.33	2,593.55	1,482.79	1,351.39	131.40	11.285		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROSPER FARMS 4-65 11-12 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5708.00usft
<b>Reference Site:</b>	SEC 10-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5708.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROSPER FARMS 4-65 11-12 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 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		
10,100.00	7,705.00	9,822.03	7,803.16	75.27	61.90	-94.37	180.05	2,658.74	1,486.77	1,351.72	135.05	11.009		
10,200.00	7,705.00	9,891.00	7,802.69	77.71	63.55	-94.34	183.61	2,727.62	1,493.17	1,354.38	138.79	10.759		
10,300.00	7,705.00	10,000.58	7,801.85	80.16	66.18	-94.28	190.16	2,837.00	1,500.51	1,356.48	144.03	10.418		
10,400.00	7,705.00	10,140.92	7,801.01	82.63	69.61	-94.23	195.26	2,977.24	1,505.39	1,354.98	150.41	10.009		
10,500.00	7,705.00	10,295.35	7,799.79	85.11	73.42	-94.18	196.50	3,131.65	1,507.57	1,350.36	157.22	9.589		
10,600.00	7,705.00	10,441.60	7,798.44	87.61	77.07	-94.13	193.16	3,277.85	1,506.76	1,343.10	163.66	9.206		
10,700.00	7,705.00	10,585.55	7,797.31	90.12	80.68	-94.10	184.78	3,421.54	1,502.21	1,332.26	169.95	8.839		
10,800.00	7,705.00	10,680.05	7,796.82	92.64	83.07	-94.10	177.86	3,515.79	1,496.30	1,321.42	174.87	8.557		
10,900.00	7,705.00	10,762.42	7,796.21	95.17	85.16	-94.09	173.14	3,598.02	1,491.85	1,312.38	179.47	8.312		
11,000.00	7,705.00	10,903.42	7,794.20	97.71	88.75	-94.03	163.37	3,738.66	1,486.22	1,300.53	185.69	8.004		
11,100.00	7,705.00	10,981.48	7,793.18	100.25	90.74	-94.00	157.13	3,816.46	1,479.65	1,289.42	190.24	7.778		
11,200.00	7,705.00	11,059.77	7,792.33	102.81	92.75	-93.98	152.64	3,894.61	1,475.18	1,280.41	194.77	7.574		
11,300.00	7,705.00	11,185.06	7,791.06	105.37	95.97	-93.95	145.31	4,019.69	1,470.77	1,270.15	200.62	7.331		
11,400.00	7,705.00	11,293.82	7,789.58	107.94	98.78	-93.91	137.02	4,128.12	1,464.45	1,258.43	206.01	7.108		
11,500.00	7,705.00	11,354.35	7,788.73	110.52	100.34	-93.88	133.02	4,188.51	1,459.27	1,249.16	210.10	6.945		
11,600.00	7,705.00	11,401.00	7,788.25	113.10	101.55	-93.87	131.30	4,235.12	1,457.20	1,243.60	213.60	6.822		
11,600.05	7,705.00	11,401.00	7,788.25	113.10	101.55	-93.87	131.30	4,235.12	1,457.20	1,243.60	213.60	6.822		
11,700.00	7,705.00	11,451.79	7,787.80	115.68	102.86	-93.85	131.21	4,285.91	1,458.62	1,241.63	216.99	6.722		
11,800.00	7,705.00	11,495.00	7,787.39	118.27	103.97	-93.82	132.90	4,329.08	1,463.90	1,244.08	219.83	6.659		
11,900.00	7,705.00	11,575.40	7,786.69	120.87	106.04	-93.78	138.13	4,409.30	1,471.74	1,247.62	224.13	6.567		
12,000.00	7,705.00	11,717.73	7,785.53	123.47	109.71	-93.71	145.26	4,551.44	1,477.76	1,246.58	231.19	6.392		
12,100.00	7,705.00	11,778.00	7,785.00	126.08	111.27	-93.68	148.68	4,611.60	1,484.78	1,250.14	234.64	6.328		
12,200.00	7,705.00	11,903.74	7,783.99	128.68	114.52	-93.62	156.19	4,737.11	1,492.04	1,251.04	241.01	6.191		
12,300.00	7,705.00	12,041.54	7,783.12	131.30	118.10	-93.57	162.33	4,874.76	1,498.04	1,250.24	247.80	6.045		
12,400.00	7,705.00	12,167.04	7,781.77	133.91	121.38	-93.51	164.65	5,000.24	1,501.21	1,247.19	254.02	5.910		
12,500.00	7,705.00	12,392.25	7,778.32	136.53	127.29	-93.38	166.71	5,225.20	1,498.51	1,235.40	263.11	5.695		
12,600.00	7,705.00	12,482.25	7,776.68	139.15	129.66	-93.33	150.00	5,314.94	1,492.41	1,224.27	268.14	5.566		
12,700.00	7,705.00	12,557.82	7,775.50	141.78	131.64	-93.30	145.76	5,390.38	1,488.06	1,215.29	272.77	5.455		
12,800.00	7,705.00	12,644.56	7,773.99	144.40	133.93	-93.24	141.62	5,477.00	1,484.63	1,206.96	277.67	5.347		
12,900.00	7,705.00	12,709.66	7,772.95	147.03	135.65	-93.21	139.70	5,542.07	1,483.00	1,201.13	281.87	5.261		
13,000.00	7,705.00	12,825.52	7,771.21	149.67	138.70	-93.14	137.34	5,657.89	1,482.33	1,194.67	287.66	5.153		
13,052.08	7,705.00	12,854.98	7,770.77	151.04	139.48	-93.12	136.82	5,687.34	1,482.03	1,192.35	289.67	5.116		
13,100.00	7,705.00	12,886.36	7,770.35	152.30	140.31	-93.11	136.58	5,718.72	1,482.30	1,190.67	291.63	5.083		
13,200.00	7,705.00	12,965.97	7,769.41	154.94	142.41	-93.07	137.12	5,798.32	1,484.27	1,188.13	296.15	5.012		
13,300.00	7,705.00	13,088.69	7,767.46	157.58	145.64	-92.99	138.15	5,921.02	1,486.53	1,184.24	302.29	4.918		
13,400.00	7,705.00	13,216.74	7,765.12	160.22	149.03	-92.90	136.29	6,049.03	1,486.34	1,177.79	308.55	4.817		
13,500.00	7,705.00	13,338.12	7,763.29	162.86	152.24	-92.83	133.10	6,170.35	1,485.12	1,170.60	314.51	4.722		
13,600.00	7,705.00	13,443.17	7,761.86	165.50	155.03	-92.78	128.51	6,275.29	1,482.07	1,162.10	319.97	4.632		
13,700.00	7,705.00	13,514.56	7,761.09	168.15	156.92	-92.75	126.13	6,346.64	1,480.16	1,155.76	324.40	4.563		
13,730.83	7,705.00	13,533.97	7,760.88	168.96	157.44	-92.74	125.80	6,366.04	1,480.04	1,154.39	325.65	4.545		
13,800.00	7,705.00	13,571.00	7,760.45	170.80	158.42	-92.73	125.57	6,403.07	1,480.66	1,152.51	328.15	4.512		
13,900.00	7,705.00	13,648.06	7,759.52	173.44	160.46	-92.69	126.53	6,480.12	1,483.34	1,150.81	332.53	4.461		
14,000.00	7,705.00	13,728.60	7,758.56	176.10	162.58	-92.64	129.05	6,560.61	1,487.79	1,150.81	336.98	4.415		
14,100.00	7,705.00	13,837.06	7,757.47	178.75	165.45	-92.59	133.02	6,668.99	1,492.83	1,150.16	342.67	4.357		
14,200.00	7,705.00	13,948.00	7,755.49	181.40	168.39	-92.51	135.03	6,779.89	1,495.86	1,147.41	348.46	4.293		
14,300.00	7,705.00	14,009.92	7,754.07	184.05	170.02	-92.45	136.65	6,841.76	1,500.19	1,148.14	352.05	4.261		
14,400.00	7,705.00	14,120.97	7,753.15	186.71	172.95	-92.40	143.16	6,952.62	1,507.56	1,149.68	357.88	4.212		
14,500.00	7,705.00	14,224.07	7,752.11	189.37	175.68	-92.36	146.99	7,055.64	1,512.62	1,149.29	363.34	4.163		
14,600.00	7,705.00	14,424.33	7,749.76	192.02	181.00	-92.27	145.51	7,255.83	1,511.89	1,139.39	372.50	4.059		
14,700.00	7,705.00	14,535.20	7,748.93	194.68	183.96	-92.24	142.14	7,366.65	1,510.22	1,132.07	378.15	3.994		
14,800.00	7,705.00	14,646.25	7,747.79	197.34	186.92	-92.20	137.81	7,477.61	1,507.68	1,123.89	383.79	3.928		
14,900.00	7,705.00	14,743.77	7,746.69	200.00	189.52	-92.16	133.76	7,575.04	1,504.89	1,115.83	389.06	3.868		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROSPER FARMS 4-65 11-12 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5708.00usft
<b>Reference Site:</b>	SEC 10-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5708.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROSPER FARMS 4-65 11-12 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SEC 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	14,848.22	7,745.67	202.67	192.31	-92.12	129.65	7,679.40	1,502.34	1,107.82	394.52	3.808		
15,100.00	7,705.00	14,953.57	7,744.45	205.33	195.12	-92.08	124.75	7,784.63	1,499.05	1,099.04	400.00	3.748		
15,200.00	7,705.00	15,034.41	7,743.60	207.99	197.27	-92.05	121.33	7,865.39	1,496.22	1,091.39	404.83	3.696		
15,300.00	7,705.00	15,112.42	7,742.56	210.66	199.36	-92.01	119.38	7,943.37	1,495.05	1,085.56	409.50	3.651		
15,362.12	7,705.00	15,166.45	7,741.79	212.31	200.80	-91.99	118.50	7,997.39	1,494.89	1,082.34	412.55	3.624		
15,400.00	7,705.00	15,203.79	7,741.24	213.32	201.80	-91.96	118.02	8,034.71	1,494.91	1,080.35	414.55	3.606		
15,474.16	7,705.00	15,279.88	7,740.09	215.30	203.83	-91.92	116.96	8,110.79	1,494.89	1,076.30	418.59	3.571		
15,500.00	7,705.00	15,299.85	7,739.78	215.99	204.36	-91.91	116.74	8,130.76	1,494.94	1,075.17	419.77	3.561		
15,600.00	7,705.00	15,383.20	7,738.48	218.66	206.58	-91.86	116.29	8,214.10	1,495.76	1,071.26	424.51	3.524		
15,700.00	7,705.00	15,458.00	7,737.34	221.32	208.58	-91.81	116.82	8,288.89	1,497.88	1,069.04	428.83	3.493		
15,800.00	7,705.00	15,534.95	7,736.17	223.99	210.62	-91.76	118.61	8,365.81	1,501.60	1,068.45	433.14	3.467		
15,900.00	7,705.00	15,628.46	7,734.95	226.66	213.11	-91.71	122.03	8,459.24	1,506.61	1,068.43	438.17	3.438		
16,000.00	7,705.00	15,736.57	7,733.95	229.33	215.99	-91.67	125.76	8,567.29	1,511.43	1,067.54	443.90	3.405		
16,100.00	7,705.00	15,873.75	7,732.64	232.00	219.64	-91.61	128.60	8,704.43	1,514.95	1,064.10	450.85	3.360		
16,200.00	7,705.00	15,983.30	7,731.45	234.67	222.57	-91.57	128.38	8,813.97	1,516.07	1,059.50	456.57	3.321		
16,300.00	7,705.00	16,150.17	7,729.59	237.34	227.03	-91.50	125.41	8,980.77	1,515.92	1,051.91	464.01	3.267		
16,400.00	7,705.00	16,292.60	7,727.83	240.01	230.84	-91.44	118.05	9,122.99	1,512.38	1,042.14	470.24	3.216		
16,500.00	7,705.00	16,416.11	7,726.27	242.69	234.14	-91.38	108.03	9,246.08	1,505.61	1,029.69	475.92	3.164		
16,600.00	7,705.00	16,519.66	7,725.15	245.36	236.91	-91.35	98.54	9,349.20	1,497.80	1,016.49	481.31	3.112		
16,700.00	7,705.00	16,590.00	7,724.25	248.03	238.80	-91.32	92.79	9,419.29	1,491.05	1,004.78	486.27	3.066		
16,800.00	7,705.00	16,645.06	7,723.54	250.71	240.27	-91.29	89.66	9,474.26	1,486.81	996.12	490.69	3.030		
16,900.00	7,705.00	16,900.00	7,721.37	253.38	247.09	-91.22	78.73	9,665.79	1,483.80	984.63	499.17	2.973		
17,000.00	7,705.00	16,943.54	7,720.10	256.06	248.25	-91.18	66.46	9,771.57	1,473.58	970.72	502.86	2.930		
17,100.00	7,705.00	16,998.16	7,719.43	258.73	249.71	-91.15	61.39	9,825.95	1,465.74	957.92	507.82	2.886		
17,200.00	7,705.00	17,062.00	7,718.64	261.41	251.42	-91.12	57.87	9,889.68	1,461.29	948.76	512.54	2.851		
17,300.00	7,705.00	17,113.44	7,718.05	264.08	252.80	-91.10	56.52	9,941.10	1,459.63	943.08	516.56	2.826		
17,320.94	7,705.00	17,127.87	7,717.90	264.64	253.19	-91.10	56.29	9,955.53	1,459.59	942.13	517.46	2.821		
17,400.00	7,705.00	17,187.46	7,717.33	266.76	254.78	-91.07	55.93	10,015.11	1,460.18	939.22	520.97	2.803		
17,500.00	7,705.00	17,276.12	7,716.30	269.44	257.15	-91.03	56.40	10,103.76	1,462.07	936.21	525.86	2.780		
17,600.00	7,705.00	17,380.24	7,715.01	272.11	259.94	-90.98	56.90	10,207.88	1,463.94	932.54	531.40	2.755		
17,700.00	7,705.00	17,474.74	7,713.90	274.79	262.47	-90.93	57.47	10,302.37	1,465.92	929.39	536.53	2.732		
17,800.00	7,705.00	17,573.74	7,712.86	277.47	265.12	-90.89	58.45	10,401.35	1,468.30	926.45	541.84	2.710		
17,900.00	7,705.00	17,681.29	7,711.44	280.15	267.99	-90.84	59.07	10,508.90	1,470.26	922.74	547.52	2.685		
18,000.00	7,705.00	17,779.92	7,710.38	282.83	270.64	-90.79	59.39	10,607.52	1,471.98	919.15	552.83	2.663		
18,062.20	7,705.00	17,827.00	7,709.85	284.49	271.90	-90.77	59.64	10,654.60	1,473.24	917.73	555.51	2.652 ES, SF		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROSPER FARMS 4-65 11-12 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5708.00usft
<b>Reference Site:</b>	SEC 10-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5708.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROSPER FARMS 4-65 11-12 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 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	87.55	39.72	930.02	931.05					
100.00	100.00	83.91	83.91	0.13	0.21	87.54	40.00	929.91	930.77	930.43	0.35	2,695.461		
127.20	127.20	109.20	109.20	0.23	0.30	87.52	40.20	929.88	930.74	930.21	0.53	1,746.538		
200.00	200.00	177.73	177.72	0.49	0.55	87.49	40.81	930.04	930.94	929.90	1.04	896.412		
300.00	299.98	280.37	280.36	0.84	0.91	-83.61	41.65	930.30	931.04	929.29	1.75	532.217		
400.00	399.84	380.08	380.07	1.19	1.27	-83.99	42.43	930.41	930.62	928.17	2.45	379.214		
500.00	499.45	478.63	478.61	1.55	1.62	-84.57	43.19	930.65	930.04	926.86	3.17	292.964		
600.00	598.70	578.17	578.15	1.94	1.98	-85.38	43.99	930.87	929.24	925.32	3.92	236.975		
700.00	697.47	675.77	675.74	2.36	2.33	-86.38	44.74	931.11	928.42	923.73	4.69	198.039		
800.00	795.94	774.13	774.10	2.80	2.68	-87.48	45.58	931.46	927.93	922.45	5.48	169.379		
900.00	894.41	873.95	873.92	3.24	3.04	-88.61	46.48	931.70	927.68	921.39	6.28	147.656		
1,000.00	992.89	975.39	975.36	3.70	3.40	-89.74	47.18	931.73	927.55	920.45	7.10	130.693		
1,100.00	1,091.36	1,076.17	1,076.13	4.15	3.76	-90.86	47.75	931.45	927.46	919.55	7.91	117.259		
1,113.12	1,104.28	1,089.37	1,089.34	4.21	3.81	-91.01	47.81	931.40	927.45	919.44	8.02	115.696 CC		
1,200.00	1,189.83	1,175.40	1,175.37	4.61	4.11	-91.96	48.19	931.02	927.54	918.83	8.72	106.417		
1,300.00	1,288.31	1,274.19	1,274.15	5.07	4.46	-93.05	48.61	930.54	927.92	918.40	9.52	97.448		
1,400.00	1,386.78	1,373.29	1,373.25	5.53	4.80	-94.14	48.90	930.01	928.56	918.23	10.33	89.905		
1,500.00	1,485.26	1,471.41	1,471.37	5.99	5.15	-95.20	49.09	929.51	929.54	918.41	11.13	83.516		
1,600.00	1,583.73	1,570.27	1,570.23	6.45	5.49	-96.28	49.23	928.98	930.82	918.89	11.93	77.994		
1,700.00	1,682.20	1,668.44	1,668.39	6.92	5.84	-97.34	49.41	928.47	932.45	919.72	12.74	73.207		
1,800.00	1,780.68	1,767.40	1,767.35	7.38	6.19	-98.41	49.60	927.93	934.40	920.86	13.54	68.999		
1,900.00	1,879.15	1,866.35	1,866.30	7.85	6.53	-99.46	49.63	927.36	936.60	922.25	14.34	65.292		
2,000.00	1,977.63	1,964.75	1,964.70	8.31	6.88	-100.51	49.73	926.76	939.11	923.96	15.15	62.007		
2,100.00	2,076.10	2,063.00	2,062.95	8.78	7.23	-101.55	49.87	926.15	941.95	926.01	15.94	59.076		
2,200.00	2,174.57	2,161.49	2,161.44	9.24	7.57	-102.59	49.95	925.58	945.13	928.39	16.74	56.448		
2,300.00	2,273.05	2,254.66	2,254.61	9.71	7.90	-103.55	50.00	925.33	948.89	931.37	17.52	54.159		
2,400.00	2,371.52	2,354.10	2,354.04	10.17	8.24	-104.56	50.00	925.33	953.17	934.86	18.31	52.056		
2,500.00	2,470.00	2,451.70	2,451.64	10.64	8.58	-105.55	50.00	925.33	957.76	938.67	19.09	50.168		
2,600.00	2,568.47	2,550.98	2,550.92	11.11	8.92	-106.54	49.99	925.32	962.63	942.75	19.88	48.428		
2,700.00	2,666.94	2,649.27	2,649.21	11.57	9.26	-107.51	49.95	925.30	967.76	947.10	20.65	46.855		
2,800.00	2,765.42	2,747.30	2,747.25	12.04	9.60	-108.47	49.98	925.28	973.21	951.78	21.43	45.407		
2,900.00	2,863.89	2,845.91	2,845.85	12.51	9.94	-109.43	49.96	925.30	978.95	956.74	22.21	44.082		
3,000.00	2,962.37	2,944.33	2,944.27	12.97	10.27	-110.36	49.92	925.34	984.96	961.99	22.97	42.875		
3,100.00	3,060.84	3,043.11	3,043.06	13.44	10.60	-111.30	49.90	925.34	991.23	967.49	23.74	41.750		
3,200.00	3,159.31	3,141.75	3,141.69	13.91	10.94	-112.22	49.90	925.29	997.72	973.21	24.51	40.703		
3,300.00	3,257.79	3,239.43	3,239.38	14.37	11.28	-113.12	49.87	925.30	1,004.52	979.24	25.28	39.742		
3,400.00	3,356.26	3,337.93	3,337.87	14.84	11.62	-114.01	49.94	925.34	1,011.63	985.59	26.04	38.848		
3,500.00	3,454.73	3,436.67	3,436.62	15.31	11.96	-114.90	49.93	925.35	1,018.93	992.13	26.80	38.013		
3,600.00	3,553.21	3,534.77	3,534.72	15.77	12.30	-115.77	49.96	925.38	1,026.51	998.95	27.56	37.240		
3,700.00	3,651.68	3,633.98	3,633.92	16.24	12.65	-116.63	49.99	925.39	1,034.32	1,005.99	28.33	36.511		
3,800.00	3,750.16	3,732.90	3,732.85	16.71	13.00	-117.49	50.08	925.25	1,042.27	1,013.18	29.09	35.827		
3,900.00	3,848.63	3,830.82	3,830.76	17.18	13.35	-118.33	50.21	925.09	1,050.47	1,020.62	29.85	35.191		
4,000.00	3,947.10	3,928.60	3,928.54	17.64	13.69	-119.15	50.31	925.03	1,058.96	1,028.35	30.61	34.600		
4,100.00	4,045.58	4,027.11	4,027.06	18.11	14.04	-119.95	50.35	925.08	1,067.70	1,036.34	31.36	34.050		
4,200.00	4,144.05	4,125.81	4,125.76	18.58	14.37	-120.75	50.34	925.14	1,076.63	1,044.53	32.10	33.538		
4,300.00	4,242.53	4,224.21	4,224.15	19.04	14.71	-121.52	50.32	925.19	1,085.76	1,052.92	32.84	33.060		
4,400.00	4,341.00	4,322.09	4,322.03	19.51	15.05	-122.29	50.34	925.24	1,095.12	1,061.54	33.58	32.609		
4,500.00	4,439.47	4,421.00	4,420.95	19.98	15.40	-123.05	50.42	925.27	1,104.69	1,070.36	34.33	32.176		
4,600.00	4,537.95	4,520.03	4,519.97	20.45	15.75	-123.79	50.44	925.28	1,114.40	1,079.33	35.08	31.771		
4,700.00	4,636.42	4,619.68	4,619.63	20.91	16.09	-124.53	50.36	925.29	1,124.22	1,088.41	35.82	31.389		
4,800.00	4,734.90	4,715.18	4,715.13	21.38	16.42	-125.22	50.39	925.34	1,134.34	1,097.80	36.54	31.046		
4,900.00	4,833.37	4,816.34	4,816.29	21.85	16.77	-125.95	50.40	925.37	1,144.59	1,107.31	37.28	30.699		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROSPER FARMS 4-65 11-12 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5708.00usft
<b>Reference Site:</b>	SEC 10-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5708.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROSPER FARMS 4-65 11-12 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 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	4,931.84	4,914.28	4,914.23	22.32	17.11	-126.64	50.37	925.29	1,154.92	1,116.91	38.01	30.382		
5,100.00	5,030.32	5,010.86	5,010.81	22.78	17.45	-127.30	50.41	925.33	1,165.55	1,126.81	38.74	30.088		
5,200.00	5,128.79	5,108.88	5,108.82	23.25	17.79	-127.97	50.53	925.44	1,176.44	1,136.98	39.47	29.807		
5,300.00	5,227.27	5,208.60	5,208.54	23.72	18.15	-128.63	50.63	925.51	1,187.45	1,147.25	40.21	29.534		
5,400.00	5,325.74	5,313.71	5,313.65	24.19	18.51	-129.33	50.65	925.33	1,198.41	1,157.45	40.97	29.253		
5,500.00	5,424.21	5,470.05	5,469.87	24.65	19.06	-130.49	50.15	920.22	1,207.57	1,165.66	41.91	28.814		
5,600.00	5,522.69	5,593.55	5,592.80	25.12	19.50	-131.66	49.33	908.45	1,212.35	1,169.67	42.68	28.404		
5,700.00	5,621.16	5,689.55	5,688.09	25.59	19.84	-132.69	50.04	896.81	1,217.02	1,173.65	43.37	28.061		
5,800.00	5,719.63	5,798.43	5,795.86	26.06	20.23	-133.96	52.13	881.46	1,221.88	1,177.80	44.08	27.719		
5,900.00	5,818.11	5,929.52	5,925.06	26.52	20.70	-135.59	54.09	859.46	1,225.37	1,180.54	44.82	27.338		
6,000.00	5,916.58	6,044.19	6,037.98	26.99	21.12	-136.97	53.23	839.48	1,227.28	1,181.75	45.53	26.955		
6,100.00	6,015.06	6,195.66	6,186.33	27.46	21.69	-138.88	49.78	809.17	1,227.24	1,180.99	46.25	26.538		
6,200.00	6,113.53	6,324.54	6,311.48	27.93	22.19	-140.59	43.52	779.08	1,223.71	1,176.80	46.92	26.082		
6,300.00	6,212.00	6,419.67	6,403.66	28.39	22.57	-141.88	38.44	756.11	1,220.09	1,172.49	47.61	25.629		
6,400.00	6,310.48	6,556.40	6,535.53	28.86	23.12	-143.79	29.45	721.13	1,215.49	1,167.23	48.26	25.185		
6,500.00	6,408.95	6,689.23	6,662.63	29.33	23.68	-145.68	16.85	684.68	1,208.14	1,159.24	48.90	24.707		
6,600.00	6,507.43	6,790.89	6,759.13	29.80	24.13	-147.24	6.56	654.40	1,199.99	1,150.39	49.59	24.196		
6,700.00	6,605.90	6,868.54	6,832.27	30.26	24.48	-148.56	0.20	629.15	1,193.18	1,142.84	50.34	23.703		
6,800.00	6,704.37	6,979.62	6,935.76	30.73	25.02	-150.65	-7.38	589.53	1,187.39	1,136.34	51.05	23.260		
6,900.00	6,802.85	7,079.62	7,027.77	31.20	25.53	-152.67	-14.24	550.95	1,181.76	1,129.97	51.80	22.815		
7,000.00	6,901.32	7,157.00	7,098.52	31.67	25.94	-154.29	-19.41	520.07	1,177.40	1,124.83	52.57	22.396		
7,069.26	6,969.53	7,198.63	7,137.22	31.99	26.15	-155.10	-22.11	504.99	1,176.28	1,123.20	53.08	22.161		
7,100.00	6,999.80	7,214.61	7,152.40	32.13	26.22	-155.37	-23.13	500.11	1,176.48	1,123.19	53.29	22.075		
7,200.00	7,098.27	7,252.00	7,188.50	32.60	26.41	-155.91	-25.46	490.71	1,180.10	1,126.19	53.90	21.893		
7,300.00	7,196.67	7,322.01	7,257.66	33.07	26.68	-136.26	-29.49	481.13	1,187.01	1,132.50	54.51	21.776		
7,400.00	7,293.35	7,379.42	7,314.98	33.55	26.88	-108.60	-32.34	481.04	1,194.50	1,139.47	55.03	21.707		
7,500.00	7,385.39	7,440.00	7,375.19	34.03	27.06	-97.88	-34.81	486.96	1,201.27	1,145.76	55.52	21.637		
7,600.00	7,469.98	7,599.15	7,528.61	34.50	27.47	-94.64	-48.00	525.84	1,203.54	1,146.99	56.55	21.282		
7,700.00	7,544.57	7,715.58	7,631.73	34.98	27.75	-93.51	-65.88	576.32	1,199.09	1,141.68	57.41	20.886		
7,800.00	7,606.88	7,801.92	7,699.68	35.47	27.96	-93.43	-81.04	627.24	1,191.93	1,133.66	58.27	20.455		
7,900.00	7,655.02	7,880.46	7,753.91	36.01	28.19	-94.15	-94.61	682.32	1,183.89	1,124.63	59.26	19.977		
8,000.00	7,687.53	7,956.79	7,798.53	36.62	28.49	-95.42	-106.76	742.97	1,175.99	1,115.55	60.44	19.456		
8,100.00	7,703.42	8,031.81	7,833.96	37.33	28.87	-97.07	-117.16	808.20	1,169.01	1,107.21	61.80	18.915		
8,200.00	7,705.00	8,106.25	7,860.01	38.17	29.34	-98.56	-125.40	877.37	1,163.85	1,100.52	63.33	18.376		
8,300.00	7,705.00	8,181.76	7,876.39	39.18	29.94	-99.39	-131.08	950.80	1,161.07	1,095.95	65.12	17.828		
8,400.00	7,705.00	8,270.18	7,885.18	40.36	30.77	-99.84	-134.76	1,038.69	1,159.98	1,092.61	67.37	17.218		
8,500.00	7,705.00	8,395.53	7,888.12	41.72	32.16	-100.00	-138.94	1,163.90	1,158.55	1,087.95	70.60	16.410		
8,600.00	7,705.00	8,600.00	7,887.51	43.23	34.99	-100.00	-144.26	1,291.68	1,156.10	1,080.69	75.42	15.330		
8,700.00	7,705.00	8,753.77	7,885.51	44.87	37.56	-100.16	-176.90	1,519.40	1,140.92	1,060.19	80.73	14.132		
8,800.00	7,705.00	8,819.13	7,884.81	46.63	38.73	-100.22	-187.82	1,583.84	1,125.71	1,042.07	83.64	13.458		
8,900.00	7,705.00	8,879.80	7,884.06	48.49	39.85	-100.25	-195.95	1,643.96	1,113.72	1,027.22	86.50	12.875		
9,000.00	7,705.00	8,949.00	7,883.11	50.44	41.16	-100.25	-202.34	1,712.85	1,105.49	1,015.86	89.63	12.334		
9,100.00	7,705.00	9,051.88	7,881.77	52.47	43.20	-100.24	-210.59	1,815.38	1,098.78	1,004.97	93.81	11.713		
9,200.00	7,705.00	9,130.80	7,880.83	54.56	44.82	-100.24	-216.85	1,894.05	1,092.10	994.70	97.40	11.213		
9,300.00	7,705.00	9,190.06	7,880.11	56.71	46.07	-100.23	-220.06	1,953.22	1,088.00	987.59	100.41	10.836		
9,348.35	7,705.00	9,217.70	7,879.76	57.77	46.65	-100.21	-220.72	1,980.85	1,087.42	985.61	101.81	10.681		
9,400.00	7,705.00	9,250.10	7,879.35	58.91	47.34	-100.19	-220.85	2,013.24	1,087.79	984.40	103.39	10.521		
9,500.00	7,705.00	9,327.00	7,878.33	61.15	48.98	-100.11	-219.29	2,090.11	1,090.81	983.84	106.97	10.197		
9,600.00	7,705.00	9,445.18	7,876.44	63.43	51.58	-99.97	-216.60	2,208.24	1,094.26	982.08	112.18	9.755		
9,700.00	7,705.00	9,552.69	7,874.88	65.74	54.00	-99.88	-216.62	2,315.74	1,095.33	978.28	117.05	9.358		
9,800.00	7,705.00	9,633.20	7,873.74	68.09	55.83	-99.80	-215.78	2,396.24	1,097.51	976.56	120.95	9.074		
9,900.00	7,705.00	9,712.30	7,872.79	70.46	57.65	-99.72	-213.52	2,475.30	1,101.51	976.71	124.81	8.826		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROSPER FARMS 4-65 11-12 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5708.00usft
<b>Reference Site:</b>	SEC 10-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5708.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROSPER FARMS 4-65 11-12 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 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		
10,000.00	7,705.00	9,786.71	7,872.05	72.85	59.38	-99.64	-209.82	2,549.62	1,107.63	979.18	128.45	8.623		
10,100.00	7,705.00	9,879.75	7,871.52	75.27	61.55	-99.55	-203.77	2,642.45	1,115.33	982.41	132.92	8.391		
10,200.00	7,705.00	9,942.93	7,871.50	77.71	63.03	-99.50	-198.76	2,705.43	1,124.63	988.63	136.00	8.269		
10,300.00	7,705.00	10,010.43	7,871.44	80.16	64.60	-99.42	-190.83	2,772.46	1,137.44	998.22	139.22	8.170		
10,400.00	7,705.00	10,114.41	7,871.17	82.63	67.05	-99.29	-177.54	2,875.59	1,151.40	1,007.12	144.28	7.981		
10,500.00	7,705.00	10,304.18	7,870.77	85.11	71.61	-99.12	-161.53	3,064.60	1,161.17	1,007.76	153.41	7.569		
10,600.00	7,705.00	10,412.85	7,870.58	87.61	74.28	-99.07	-157.15	3,173.19	1,166.51	1,007.78	158.73	7.349		
10,700.00	7,705.00	10,524.20	7,870.15	90.12	77.04	-99.01	-153.59	3,284.48	1,171.00	1,006.81	164.19	7.132		
10,800.00	7,705.00	10,631.96	7,869.93	92.64	79.73	-98.96	-151.15	3,392.20	1,174.59	1,005.07	169.52	6.929		
10,900.00	7,705.00	10,727.00	7,869.62	95.17	82.12	-98.92	-149.13	3,487.22	1,178.03	1,003.70	174.34	6.757		
11,000.00	7,705.00	10,810.72	7,869.36	97.71	84.22	-98.88	-146.59	3,570.91	1,182.38	1,003.70	178.68	6.617		
11,100.00	7,705.00	10,954.84	7,869.16	100.25	87.87	-98.83	-143.09	3,714.97	1,186.39	1,000.82	185.57	6.393		
11,200.00	7,705.00	11,086.90	7,869.00	102.81	91.24	-98.83	-145.29	3,847.01	1,186.02	994.19	191.83	6.183		
11,300.00	7,705.00	11,184.95	7,869.09	105.37	93.76	-98.84	-147.97	3,945.03	1,184.72	987.87	196.85	6.018		
11,400.00	7,705.00	11,293.99	7,868.81	107.94	96.57	-98.84	-150.68	4,054.02	1,183.66	981.39	202.27	5.852		
11,500.00	7,705.00	11,419.32	7,866.75	110.52	99.80	-98.77	-156.48	4,179.20	1,180.11	971.86	208.25	5.667		
11,600.00	7,705.00	11,516.75	7,865.07	113.10	102.32	-98.72	-161.60	4,276.48	1,176.05	962.72	213.32	5.513		
11,700.00	7,705.00	11,616.54	7,863.53	115.68	104.91	-98.67	-166.61	4,376.14	1,172.24	953.76	218.48	5.365		
11,800.00	7,705.00	11,700.40	7,862.22	118.27	107.09	-98.62	-170.42	4,459.90	1,168.93	945.80	223.12	5.239		
11,857.63	7,705.00	11,729.00	7,861.86	119.77	107.84	-98.61	-171.39	4,488.48	1,167.94	942.89	225.06	5.190		
11,900.00	7,705.00	11,729.00	7,861.86	120.87	107.84	-98.61	-171.39	4,488.48	1,168.71	943.23	225.49	5.183		
12,000.00	7,705.00	11,784.65	7,861.19	123.47	109.26	-98.57	-170.52	4,544.10	1,172.70	944.18	228.52	5.132		
12,100.00	7,705.00	11,824.00	7,860.70	126.08	110.27	-98.51	-166.76	4,583.26	1,182.93	952.64	230.29	5.137		
12,200.00	7,705.00	12,080.77	7,856.76	128.68	116.91	-98.24	-159.39	4,839.45	1,183.98	940.79	243.19	4.869		
12,219.96	7,705.00	12,094.13	7,856.56	129.21	117.26	-98.23	-159.61	4,852.82	1,183.89	939.91	243.99	4.852		
12,300.00	7,705.00	12,152.45	7,855.72	131.30	118.79	-98.19	-159.82	4,911.13	1,184.54	937.24	247.31	4.790		
12,400.00	7,705.00	12,256.72	7,854.05	133.91	121.51	-98.09	-158.65	5,015.37	1,186.86	934.13	252.72	4.696		
12,500.00	7,705.00	12,347.16	7,852.49	136.53	123.87	-98.01	-158.84	5,105.81	1,187.87	930.30	257.57	4.612		
12,600.00	7,705.00	12,441.52	7,850.99	139.15	126.34	-97.92	-157.00	5,200.13	1,190.93	928.36	262.57	4.536		
12,700.00	7,705.00	12,583.26	7,848.50	141.78	130.06	-97.79	-157.40	5,341.84	1,191.81	922.31	269.51	4.422		
12,800.00	7,705.00	12,730.60	7,845.78	144.40	133.94	-97.68	-163.16	5,489.03	1,189.16	912.88	276.28	4.304		
12,900.00	7,705.00	12,871.78	7,843.28	147.03	137.67	-97.62	-174.43	5,629.73	1,182.34	899.83	282.51	4.185		
13,000.00	7,705.00	13,003.35	7,840.77	149.67	141.14	-97.58	-188.73	5,760.50	1,172.72	884.46	288.26	4.068		
13,100.00	7,705.00	13,125.19	7,838.42	152.30	144.34	-97.56	-205.11	5,881.20	1,160.48	866.77	293.72	3.951		
13,200.00	7,705.00	13,208.18	7,836.84	154.94	146.53	-97.55	-216.58	5,963.38	1,147.96	849.18	298.78	3.842		
13,300.00	7,705.00	13,276.52	7,835.48	157.58	148.34	-97.53	-224.56	6,031.24	1,137.58	833.99	303.59	3.747		
13,400.00	7,705.00	13,333.00	7,834.38	160.22	149.83	-97.50	-229.43	6,087.50	1,130.35	822.45	307.90	3.671		
13,500.00	7,705.00	13,404.06	7,833.08	162.86	151.72	-97.45	-233.30	6,158.44	1,126.23	813.93	312.30	3.606		
13,600.00	7,705.00	13,507.09	7,831.18	165.50	154.45	-97.37	-236.62	6,261.39	1,124.22	806.50	317.71	3.538		
13,700.00	7,705.00	13,594.76	7,829.38	168.15	156.77	-97.29	-239.79	6,348.98	1,121.78	799.18	322.60	3.477		
13,775.96	7,705.00	13,651.81	7,828.35	170.16	158.28	-97.24	-241.02	6,406.02	1,121.07	795.16	325.91	3.440		
13,800.00	7,705.00	13,668.88	7,828.04	170.80	158.74	-97.23	-241.17	6,423.08	1,121.15	794.25	326.90	3.430		
13,900.00	7,705.00	13,739.53	7,826.76	173.44	160.60	-97.15	-240.63	6,493.72	1,123.07	792.21	330.86	3.394		
14,000.00	7,705.00	13,810.83	7,825.62	176.10	162.48	-97.07	-238.20	6,564.96	1,127.63	792.99	334.64	3.370		
14,100.00	7,705.00	13,899.69	7,824.05	178.75	164.82	-96.96	-233.65	6,653.69	1,133.89	794.57	339.32	3.342		
14,200.00	7,705.00	14,012.86	7,821.87	181.40	167.80	-96.80	-227.54	6,766.67	1,140.46	795.02	345.44	3.301		
14,300.00	7,705.00	14,173.54	7,819.15	184.05	172.05	-96.64	-225.70	6,927.30	1,142.45	788.70	353.75	3.230		
14,400.00	7,705.00	14,234.60	7,818.38	186.71	173.67	-96.60	-225.45	6,988.35	1,144.22	786.95	357.28	3.203		
14,500.00	7,705.00	14,297.02	7,817.98	189.37	175.32	-96.56	-222.75	7,050.71	1,149.73	789.24	360.48	3.189		
14,600.00	7,705.00	14,379.14	7,817.50	192.02	177.48	-96.50	-217.46	7,132.65	1,157.44	792.77	364.67	3.174		
14,700.00	7,705.00	14,467.67	7,816.98	194.68	179.80	-96.43	-210.67	7,220.93	1,166.39	797.16	369.23	3.159		
14,800.00	7,705.00	14,589.71	7,816.35	197.34	183.01	-96.34	-201.97	7,342.65	1,174.81	798.82	375.99	3.125		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROSPER FARMS 4-65 11-12 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5708.00usft
<b>Reference Site:</b>	SEC 10-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5708.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROSPER FARMS 4-65 11-12 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 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		
14,900.00	7,705.00	14,702.80	7,815.69	200.00	185.99	-96.27	-195.75	7,455.56	1,181.59	799.48	382.11	3.092		
15,000.00	7,705.00	14,813.06	7,814.88	202.67	188.91	-96.19	-190.55	7,565.70	1,187.60	799.58	388.03	3.061		
15,100.00	7,705.00	14,941.68	7,813.63	205.33	192.32	-96.10	-186.53	7,694.25	1,192.04	797.18	394.86	3.019		
15,200.00	7,705.00	15,051.96	7,812.95	207.99	195.25	-96.05	-185.11	7,804.51	1,194.65	793.98	400.67	2.982		
15,300.00	7,705.00	15,163.78	7,812.30	210.66	198.23	-96.01	-184.39	7,916.33	1,196.66	790.14	406.52	2.944		
15,400.00	7,705.00	15,288.86	7,811.90	213.32	201.57	-95.99	-186.08	8,041.39	1,196.64	783.82	412.82	2.899		
15,489.77	7,705.00	15,368.22	7,812.04	215.72	203.68	-96.00	-187.80	8,120.74	1,196.01	778.81	417.20	2.867		
15,500.00	7,705.00	15,376.31	7,812.01	215.99	203.90	-96.00	-187.90	8,128.82	1,196.02	778.36	417.66	2.864		
15,600.00	7,705.00	15,477.20	7,811.24	218.66	206.59	-95.96	-188.71	8,229.71	1,196.54	773.51	423.03	2.828		
15,700.00	7,705.00	15,615.97	7,810.23	221.32	210.30	-95.92	-192.61	8,368.41	1,195.09	765.44	429.65	2.782		
15,800.00	7,705.00	15,732.01	7,809.61	223.99	213.40	-95.91	-198.60	8,484.29	1,191.29	755.92	435.37	2.736		
15,900.00	7,705.00	15,855.36	7,808.95	226.66	216.70	-95.91	-206.93	8,607.36	1,185.95	744.82	441.13	2.688		
16,000.00	7,705.00	15,988.83	7,808.23	229.33	220.27	-95.93	-219.26	8,740.25	1,178.10	731.35	446.76	2.637		
16,100.00	7,705.00	16,025.03	7,808.05	232.00	221.24	-95.93	-221.72	8,776.37	1,171.92	720.76	451.16	2.598		
16,190.77	7,705.00	16,070.00	7,807.84	234.42	222.44	-95.93	-223.07	8,821.31	1,170.30	715.75	454.54	2.575		
16,200.00	7,705.00	16,071.16	7,807.84	234.67	222.47	-95.93	-223.07	8,822.47	1,170.33	715.62	454.71	2.574		
16,300.00	7,705.00	16,162.33	7,807.35	237.34	224.91	-95.90	-223.33	8,913.64	1,171.40	711.73	459.67	2.548		
16,400.00	7,705.00	16,288.84	7,806.77	240.01	228.29	-95.87	-224.98	9,040.14	1,171.38	705.30	466.08	2.513		
16,500.00	7,705.00	16,389.81	7,806.15	242.69	230.99	-95.84	-227.17	9,141.08	1,170.56	699.10	471.46	2.483		
16,600.00	7,705.00	16,490.10	7,805.46	245.36	233.68	-95.81	-229.51	9,241.34	1,169.56	692.75	476.82	2.453		
16,700.00	7,705.00	16,606.51	7,804.69	248.03	236.80	-95.78	-232.51	9,357.71	1,168.41	685.71	482.70	2.421		
16,800.00	7,705.00	16,688.52	7,803.97	250.71	238.99	-95.76	-235.40	9,439.66	1,166.32	678.86	487.46	2.393		
16,900.00	7,705.00	16,815.58	7,802.78	253.38	242.39	-95.70	-237.93	9,566.68	1,165.99	672.32	493.67	2.362		
17,000.00	7,705.00	16,945.58	7,802.20	256.06	245.88	-95.70	-246.01	9,696.43	1,161.03	661.40	499.63	2.324		
17,100.00	7,705.00	17,038.49	7,801.54	258.73	248.37	-95.70	-252.29	9,789.12	1,155.63	650.77	504.85	2.289		
17,200.00	7,705.00	17,128.69	7,800.96	261.41	250.79	-95.69	-257.80	9,879.15	1,150.89	640.89	510.00	2.257		
17,300.00	7,705.00	17,215.46	7,800.40	264.08	253.12	-95.68	-262.11	9,965.81	1,147.27	632.24	515.03	2.228		
17,400.00	7,705.00	17,311.20	7,799.86	266.76	255.69	-95.66	-266.27	10,061.46	1,144.29	624.03	520.26	2.199		
17,500.00	7,705.00	17,390.00	7,799.35	269.44	257.80	-95.65	-269.17	10,140.20	1,142.08	617.14	524.94	2.176		
17,555.28	7,705.00	17,435.11	7,799.00	270.92	259.01	-95.63	-270.20	10,185.30	1,141.60	614.09	527.51	2.164		
17,600.00	7,705.00	17,465.30	7,798.74	272.11	259.82	-95.62	-270.40	10,215.49	1,141.89	612.61	529.28	2.157		
17,700.00	7,705.00	17,533.76	7,798.21	274.79	261.64	-95.58	-269.48	10,283.94	1,144.55	611.56	532.99	2.147		
17,800.00	7,705.00	17,629.34	7,797.62	277.47	264.19	-95.53	-265.96	10,379.45	1,149.52	611.42	538.10	2.136		
17,900.00	7,705.00	17,824.07	7,793.73	280.15	269.40	-95.34	-269.45	10,574.00	1,148.13	600.65	547.47	2.097		
18,000.00	7,705.00	17,889.10	7,793.34	282.83	271.15	-95.33	-272.31	10,638.97	1,145.34	593.54	551.81	2.076		
18,015.01	7,705.00	17,896.12	7,793.30	283.23	271.34	-95.33	-272.43	10,645.99	1,145.28	592.97	552.31	2.074		
18,062.20	7,705.00	17,932.10	7,793.09	284.49	272.30	-95.31	-272.64	10,681.96	1,145.60	591.23	554.37	2.067	ES, SF	

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROSPER FARMS 4-65 11-12 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5708.00usft
<b>Reference Site:</b>	SEC 10-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5708.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROSPER FARMS 4-65 11-12 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 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	90.04	-0.71	930.03	930.16					
100.00	100.00	84.13	84.13	0.13	0.21	90.04	-0.64	929.99	929.99	929.65	0.35	2,692.883		
102.00	102.00	86.00	86.00	0.14	0.22	90.04	-0.63	929.99	929.99	929.63	0.36	2,590.057		
200.00	200.00	177.90	177.90	0.49	0.54	90.03	-0.41	930.32	930.34	929.30	1.03	899.302		
300.00	299.98	277.04	277.04	0.84	0.89	-81.03	-0.17	931.02	930.77	929.05	1.73	538.396		
400.00	399.84	377.26	377.25	1.19	1.25	-81.36	0.04	931.75	930.70	928.27	2.43	382.530		
500.00	499.45	476.64	476.63	1.55	1.60	-81.91	0.19	932.44	930.12	926.97	3.15	294.823		
600.00	598.70	575.17	575.16	1.94	1.96	-82.66	0.15	933.23	929.29	925.39	3.90	238.533		
700.00	697.47	674.91	674.90	2.36	2.31	-83.63	0.16	934.00	928.17	923.50	4.67	198.802		
800.00	795.94	774.22	774.20	2.80	2.67	-84.69	0.08	934.65	927.04	921.58	5.46	169.766		
900.00	894.41	873.26	873.24	3.24	3.02	-85.73	-0.12	935.25	926.16	919.90	6.26	147.948		
1,000.00	992.89	972.77	972.75	3.70	3.37	-86.79	-0.23	935.77	925.53	918.46	7.07	130.955		
1,100.00	1,091.36	1,070.11	1,070.09	4.15	3.72	-87.84	-0.27	936.26	925.20	917.33	7.87	117.536		
1,122.30	1,113.32	1,091.92	1,091.90	4.25	3.80	-88.07	-0.27	936.38	925.19	917.14	8.05	114.903		
1,200.00	1,189.83	1,168.40	1,168.38	4.61	4.07	-88.89	-0.27	936.84	925.29	916.61	8.68	106.578		
1,300.00	1,288.31	1,266.72	1,266.69	5.07	4.43	-89.94	-0.29	937.44	925.72	916.22	9.49	97.509		
1,400.00	1,386.78	1,365.04	1,365.01	5.53	4.78	-90.99	-0.36	938.06	926.49	916.18	10.31	89.895		
1,500.00	1,485.26	1,463.56	1,463.53	5.99	5.13	-92.04	-0.40	938.69	927.59	916.47	11.12	83.414		
1,600.00	1,583.73	1,563.32	1,563.29	6.45	5.49	-93.10	-0.53	939.31	928.97	917.03	11.94	77.815		
1,700.00	1,682.20	1,664.43	1,664.40	6.92	5.85	-94.16	-0.73	939.68	930.40	917.64	12.76	72.925		
1,800.00	1,780.68	1,764.56	1,764.52	7.38	6.20	-95.22	-0.94	939.85	931.96	918.39	13.57	68.681		
1,900.00	1,879.15	1,864.25	1,864.22	7.85	6.54	-96.27	-1.14	939.83	933.66	919.29	14.37	64.971		
2,000.00	1,977.63	1,962.81	1,962.78	8.31	6.87	-97.30	-1.32	939.75	935.62	920.46	15.16	61.703		
2,100.00	2,076.10	2,061.06	2,061.03	8.78	7.21	-98.33	-1.49	939.69	937.91	921.95	15.96	58.781		
2,200.00	2,174.57	2,158.84	2,158.81	9.24	7.55	-99.35	-1.62	939.66	940.55	923.80	16.75	56.149		
2,300.00	2,273.05	2,256.48	2,256.44	9.71	7.89	-100.36	-1.65	939.69	943.60	926.05	17.55	53.777		
2,400.00	2,371.52	2,355.90	2,355.86	10.17	8.23	-101.40	-1.61	939.69	946.95	928.61	18.34	51.628		
2,500.00	2,470.00	2,453.83	2,453.79	10.64	8.57	-102.41	-1.55	939.68	950.60	931.48	19.12	49.708		
2,600.00	2,568.47	2,552.50	2,552.47	11.11	8.90	-103.42	-1.51	939.66	954.54	934.63	19.91	47.948		
2,700.00	2,666.94	2,649.96	2,649.93	11.57	9.24	-104.41	-1.41	939.69	958.86	938.17	20.69	46.344		
2,800.00	2,765.42	2,749.18	2,749.15	12.04	9.59	-105.41	-1.39	939.75	963.47	941.99	21.48	44.845		
2,900.00	2,863.89	2,848.47	2,848.43	12.51	9.94	-106.39	-1.48	939.79	968.29	946.02	22.27	43.471		
3,000.00	2,962.37	2,946.81	2,946.77	12.97	10.27	-107.35	-1.53	939.72	973.33	950.28	23.05	42.224		
3,100.00	3,060.84	3,044.74	3,044.71	13.44	10.61	-108.31	-1.46	939.72	978.77	954.95	23.82	41.083		
3,200.00	3,159.31	3,143.86	3,143.83	13.91	10.95	-109.27	-1.43	939.64	984.40	959.80	24.60	40.015		
3,300.00	3,257.79	3,242.23	3,242.19	14.37	11.29	-110.21	-1.41	939.60	990.33	964.96	25.37	39.029		
3,400.00	3,356.26	3,340.83	3,340.80	14.84	11.63	-111.15	-1.29	939.46	996.50	970.35	26.14	38.117		
3,500.00	3,454.73	3,438.96	3,438.92	15.31	11.97	-112.07	-1.20	939.37	1,002.96	976.05	26.90	37.278		
3,600.00	3,553.21	3,536.33	3,536.29	15.77	12.31	-112.96	-1.12	939.34	1,009.73	982.06	27.66	36.499		
3,700.00	3,651.68	3,634.52	3,634.49	16.24	12.65	-113.86	-0.97	939.40	1,016.86	988.43	28.43	35.769		
3,800.00	3,750.16	3,735.38	3,735.34	16.71	13.00	-114.77	-0.78	939.30	1,024.15	994.95	29.20	35.076		
3,900.00	3,848.63	3,835.38	3,835.35	17.18	13.34	-115.66	-0.74	939.01	1,031.45	1,001.49	29.96	34.429		
4,000.00	3,947.10	3,931.52	3,931.48	17.64	13.67	-116.50	-0.71	938.79	1,039.01	1,008.31	30.70	33.842		
4,100.00	4,045.58	4,029.36	4,029.33	18.11	14.01	-117.34	-0.70	938.79	1,047.01	1,015.55	31.46	33.286		
4,200.00	4,144.05	4,128.15	4,128.11	18.58	14.36	-118.17	-0.74	938.84	1,055.22	1,023.01	32.21	32.759		
4,300.00	4,242.53	4,226.05	4,226.02	19.04	14.70	-118.98	-0.76	938.88	1,063.66	1,030.70	32.96	32.268		
4,400.00	4,341.00	4,324.42	4,324.39	19.51	15.05	-119.78	-0.77	938.96	1,072.35	1,038.64	33.72	31.805		
4,500.00	4,439.47	4,423.55	4,423.52	19.98	15.40	-120.57	-0.80	939.01	1,081.23	1,046.76	34.47	31.367		
4,600.00	4,537.95	4,523.19	4,523.16	20.45	15.75	-121.36	-0.82	938.96	1,090.23	1,055.01	35.22	30.956		
4,700.00	4,636.42	4,619.24	4,619.20	20.91	16.08	-122.11	-0.79	938.97	1,099.52	1,063.57	35.95	30.585		
4,800.00	4,734.90	4,718.94	4,718.90	21.38	16.43	-122.87	-0.76	939.04	1,109.04	1,072.34	36.70	30.220		
4,900.00	4,833.37	4,818.51	4,818.48	21.85	16.78	-123.62	-0.84	938.96	1,118.57	1,081.13	37.44	29.875		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROSPER FARMS 4-65 11-12 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5708.00usft
<b>Reference Site:</b>	SEC 10-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5708.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROSPER FARMS 4-65 11-12 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 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		
5,000.00	4,931.84	4,913.97	4,913.93	22.32	17.11	-124.33	-0.76	939.01	1,128.49	1,090.32	38.16	29.570		
5,100.00	5,030.32	5,013.97	5,013.93	22.78	17.47	-125.05	-0.71	939.08	1,138.59	1,099.68	38.91	29.262		
5,200.00	5,128.79	5,112.32	5,112.28	23.25	17.82	-125.76	-0.69	939.09	1,148.79	1,109.15	39.65	28.976		
5,300.00	5,227.27	5,217.86	5,217.82	23.72	18.18	-126.51	-0.61	938.94	1,159.13	1,118.72	40.41	28.684		
5,400.00	5,325.74	5,360.77	5,360.68	24.19	18.67	-127.57	-1.71	935.54	1,167.61	1,126.31	41.30	28.270		
5,500.00	5,424.21	5,514.72	5,514.08	24.65	19.20	-128.95	-4.54	923.24	1,171.61	1,129.46	42.15	27.798		
5,600.00	5,522.69	5,636.27	5,634.58	25.12	19.62	-130.23	-7.07	907.52	1,172.48	1,129.61	42.88	27.346		
5,700.00	5,621.16	5,766.38	5,763.10	25.59	20.07	-131.67	-11.31	887.76	1,171.42	1,127.83	43.59	26.874		
5,800.00	5,719.63	5,875.53	5,870.86	26.06	20.46	-132.80	-17.06	871.31	1,169.44	1,125.15	44.29	26.406		
5,900.00	5,818.11	5,989.74	5,983.52	26.52	20.86	-133.87	-26.07	854.90	1,166.18	1,121.19	44.99	25.923		
6,000.00	5,916.58	6,123.19	6,114.63	26.99	21.35	-135.24	-37.09	832.65	1,161.68	1,116.02	45.65	25.445		
6,100.00	6,015.06	6,256.52	6,244.32	27.46	21.85	-136.86	-48.63	804.06	1,154.36	1,108.08	46.28	24.944		
6,200.00	6,113.53	6,400.91	6,383.05	27.93	22.41	-138.85	-63.00	766.70	1,143.97	1,097.15	46.82	24.433		
6,300.00	6,212.00	6,556.97	6,531.34	28.39	23.06	-140.94	-86.48	724.21	1,129.14	1,081.88	47.25	23.896		
6,400.00	6,310.48	6,725.66	6,688.55	28.86	23.81	-143.35	-119.51	672.86	1,109.43	1,061.93	47.49	23.361		
6,500.00	6,408.95	6,848.12	6,800.18	29.33	24.40	-145.37	-146.16	630.17	1,086.33	1,038.35	47.98	22.642		
6,600.00	6,507.43	6,947.57	6,889.59	29.80	24.91	-147.23	-168.02	592.53	1,062.36	1,013.70	48.65	21.835		
6,700.00	6,605.90	7,035.72	6,968.49	30.26	25.39	-149.02	-186.82	558.00	1,039.38	989.94	49.44	21.023		
6,800.00	6,704.37	7,126.80	7,050.22	30.73	25.89	-150.91	-206.28	522.84	1,017.84	967.62	50.22	20.267		
6,900.00	6,802.85	7,224.82	7,139.73	31.20	26.42	-152.60	-230.63	491.43	997.16	946.21	50.95	19.572		
7,000.00	6,901.32	7,301.23	7,211.09	31.67	26.79	-153.35	-253.49	476.82	977.43	925.60	51.82	18.860		
7,100.00	6,999.80	7,367.00	7,273.36	32.13	27.07	-153.54	-274.08	472.21	960.65	907.89	52.76	18.208		
7,200.00	7,098.27	7,437.00	7,339.93	32.60	27.33	-153.31	-295.40	475.15	947.81	894.16	53.64	17.668		
7,300.00	7,196.67	7,499.08	7,398.40	33.07	27.52	-133.12	-314.02	484.37	938.01	883.47	54.53	17.201		
7,400.00	7,293.35	7,567.63	7,461.20	33.55	27.70	-106.15	-334.87	502.05	927.04	871.68	55.36	16.745		
7,500.00	7,385.39	7,626.00	7,511.86	34.03	27.83	-96.10	-352.49	524.95	914.87	858.73	56.14	16.297		
7,600.00	7,469.98	7,682.02	7,557.37	34.50	27.93	-91.85	-368.30	553.46	902.59	845.75	56.84	15.880		
7,700.00	7,544.57	7,738.35	7,599.66	34.98	28.01	-90.11	-382.24	587.92	891.08	833.58	57.50	15.496		
7,800.00	7,606.88	7,814.00	7,651.03	35.47	28.12	-89.91	-399.14	640.75	879.50	821.12	58.37	15.067		
7,900.00	7,655.02	7,881.53	7,691.19	36.01	28.23	-90.67	-412.96	693.20	867.44	808.09	59.35	14.615		
8,000.00	7,687.53	7,949.91	7,725.95	36.62	28.41	-92.16	-425.62	750.67	855.52	794.98	60.53	14.133		
8,100.00	7,703.42	8,014.31	7,753.56	37.33	28.67	-94.14	-435.31	808.02	845.37	783.54	61.84	13.671		
8,200.00	7,705.00	8,077.57	7,776.01	38.17	29.06	-95.96	-442.40	866.71	838.36	775.08	63.28	13.249		
8,300.00	7,705.00	8,191.63	7,802.86	39.18	30.01	-97.86	-452.25	976.95	833.92	768.15	65.77	12.679		
8,400.00	7,705.00	8,262.87	7,808.71	40.36	30.76	-98.30	-457.15	1,047.73	829.63	761.86	67.76	12.243		
8,472.54	7,705.00	8,314.18	7,808.24	41.34	31.34	-98.27	-458.48	1,099.02	828.68	759.38	69.31	11.957 CC		
8,500.00	7,705.00	8,333.36	7,807.95	41.72	31.57	-98.25	-458.61	1,118.19	828.82	758.93	69.89	11.859		
8,600.00	7,705.00	8,420.20	7,806.95	43.23	32.67	-98.16	-457.41	1,205.02	831.31	758.74	72.57	11.455		
8,700.00	7,705.00	8,532.95	7,805.63	44.87	34.29	-98.05	-457.03	1,317.75	832.84	756.64	76.21	10.928		
8,800.00	7,705.00	8,626.98	7,804.61	46.63	35.77	-97.97	-457.08	1,411.78	834.04	754.50	79.54	10.485		
8,900.00	7,705.00	8,714.41	7,804.14	48.49	37.25	-97.92	-456.05	1,499.20	836.53	753.71	82.83	10.100		
9,000.00	7,705.00	8,809.15	7,803.40	50.44	38.94	-97.83	-453.61	1,593.91	840.36	753.86	86.50	9.715		
9,100.00	7,705.00	8,907.24	7,801.89	52.47	40.79	-97.69	-450.94	1,691.95	844.24	753.80	90.44	9.335		
9,200.00	7,705.00	9,000.95	7,800.73	54.56	42.62	-97.57	-447.90	1,785.61	848.69	754.35	94.34	8.996		
9,300.00	7,705.00	9,092.55	7,799.74	56.71	44.47	-97.46	-444.17	1,877.12	853.98	755.72	98.26	8.691		
9,400.00	7,705.00	9,186.67	7,798.29	58.91	46.43	-97.31	-439.37	1,971.11	860.22	757.86	102.36	8.403		
9,500.00	7,705.00	9,290.74	7,796.78	61.15	48.65	-97.16	-433.93	2,075.02	866.63	759.65	106.98	8.101		
9,600.00	7,705.00	9,435.88	7,795.81	63.43	51.86	-97.05	-430.49	2,220.10	870.42	757.03	113.38	7.677		
9,700.00	7,705.00	9,547.85	7,795.23	65.74	54.41	-97.01	-432.37	2,332.05	870.03	751.55	118.48	7.343		
9,800.00	7,705.00	9,643.10	7,794.67	68.09	56.62	-96.98	-433.78	2,427.29	869.88	746.88	123.00	7.072		
9,900.00	7,705.00	9,778.15	7,793.51	70.46	59.80	-96.91	-437.30	2,562.27	868.85	739.77	129.08	6.731		
10,000.00	7,705.00	9,918.03	7,791.26	72.85	63.15	-96.84	-449.22	2,701.60	861.23	726.00	135.23	6.369		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROSPER FARMS 4-65 11-12 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5708.00usft
<b>Reference Site:</b>	SEC 10-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5708.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROSPER FARMS 4-65 11-12 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 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	9,996.45	7,790.37	75.27	65.05	-96.83	-456.25	2,779.70	853.62	714.23	139.39	6.124		
10,200.00	7,705.00	10,062.72	7,789.91	77.71	66.67	-96.82	-459.96	2,845.86	849.38	706.33	143.05	5.938		
10,281.07	7,705.00	10,124.56	7,789.57	79.69	68.18	-96.81	-461.39	2,907.69	848.56	702.32	146.25	5.802		
10,300.00	7,705.00	10,139.67	7,789.47	80.16	68.55	-96.80	-461.56	2,922.80	848.61	701.59	147.02	5.772		
10,400.00	7,705.00	10,222.45	7,788.86	82.63	70.58	-96.75	-461.36	3,005.57	850.14	698.95	151.19	5.623		
10,500.00	7,705.00	10,311.21	7,788.14	85.11	72.77	-96.68	-459.60	3,094.31	853.40	697.77	155.62	5.484		
10,600.00	7,705.00	10,404.20	7,787.42	87.61	75.07	-96.60	-456.90	3,187.26	857.59	697.32	160.27	5.351		
10,700.00	7,705.00	10,517.06	7,787.26	90.12	77.88	-96.55	-453.47	3,300.06	862.06	696.15	165.91	5.196		
10,800.00	7,705.00	10,639.91	7,786.51	92.64	80.96	-96.48	-453.10	3,422.91	863.65	691.65	172.00	5.021		
10,900.00	7,705.00	10,742.35	7,785.90	95.17	83.55	-96.44	-454.18	3,525.34	863.93	686.76	177.17	4.876		
11,000.00	7,705.00	10,821.30	7,785.44	97.71	85.55	-96.40	-454.07	3,604.28	865.39	684.09	181.29	4.773		
11,100.00	7,705.00	10,918.38	7,784.91	100.25	88.01	-96.34	-452.55	3,701.35	868.27	682.02	186.25	4.662		
11,200.00	7,705.00	11,061.40	7,783.37	102.81	91.67	-96.24	-454.19	3,844.33	868.27	675.00	193.27	4.492		
11,300.00	7,705.00	11,170.43	7,781.85	105.37	94.47	-96.16	-458.48	3,953.27	865.60	666.83	198.77	4.355		
11,400.00	7,705.00	11,285.92	7,780.66	107.94	97.45	-96.11	-464.35	4,068.60	861.87	657.40	204.47	4.215		
11,500.00	7,705.00	11,393.56	7,779.62	110.52	100.24	-96.08	-471.62	4,176.00	856.44	646.56	209.88	4.081		
11,600.00	7,705.00	11,465.33	7,779.10	113.10	102.10	-96.07	-475.63	4,247.64	852.23	638.18	214.05	3.981		
11,700.00	7,705.00	11,559.47	7,778.50	115.68	104.54	-96.04	-478.38	4,341.74	850.62	631.62	219.00	3.884		
11,800.00	7,705.00	11,659.58	7,777.82	118.27	107.15	-96.01	-481.64	4,441.80	848.70	624.51	224.20	3.786		
11,900.00	7,705.00	11,748.36	7,777.29	120.87	109.46	-95.98	-483.97	4,530.54	847.45	618.53	228.92	3.702		
11,929.94	7,705.00	11,774.21	7,777.15	121.65	110.13	-95.97	-484.38	4,556.39	847.38	617.08	230.30	3.680		
12,000.00	7,705.00	11,831.86	7,776.80	123.47	111.63	-95.94	-484.73	4,614.04	847.89	614.53	233.36	3.633		
12,100.00	7,705.00	11,916.76	7,776.08	126.08	113.84	-95.88	-483.77	4,698.92	850.31	612.51	237.80	3.576		
12,200.00	7,705.00	12,005.15	7,775.40	128.68	116.13	-95.81	-481.42	4,787.28	854.27	611.89	242.39	3.524		
12,300.00	7,705.00	12,085.44	7,774.83	131.30	118.22	-95.74	-478.19	4,867.50	859.68	613.25	246.43	3.489		
12,400.00	7,705.00	12,152.00	7,774.32	133.91	119.93	-95.67	-473.20	4,933.87	868.47	619.09	249.38	3.483		
12,500.00	7,705.00	12,285.96	7,773.39	136.53	123.39	-95.53	-462.71	5,067.41	877.72	620.79	256.93	3.416		
12,600.00	7,705.00	12,427.99	7,772.55	139.15	127.10	-95.44	-459.00	5,209.37	881.48	616.95	264.53	3.332		
12,700.00	7,705.00	12,602.37	7,770.37	141.78	131.69	-95.34	-468.21	5,383.42	876.21	603.63	272.59	3.214		
12,800.00	7,705.00	12,659.59	7,769.44	144.40	133.19	-95.30	-471.74	5,440.52	871.68	595.21	276.47	3.153		
12,825.51	7,705.00	12,671.30	7,769.26	145.07	133.50	-95.28	-471.99	5,452.22	871.47	594.24	277.24	3.143		
12,900.00	7,705.00	12,719.00	7,768.54	147.03	134.75	-95.23	-471.05	5,499.90	873.42	593.57	279.85	3.121		
13,000.00	7,705.00	12,758.58	7,767.96	149.67	135.78	-95.17	-468.29	5,539.37	880.60	599.35	281.25	3.131		
13,100.00	7,705.00	12,845.11	7,766.60	152.30	138.01	-95.02	-458.46	5,625.32	892.93	607.41	285.52	3.127		
13,200.00	7,705.00	13,183.59	7,760.42	154.94	146.90	-94.70	-478.38	5,961.97	881.91	582.26	299.66	2.943		
13,300.00	7,705.00	13,247.58	7,759.61	157.58	148.59	-94.69	-487.99	6,025.23	868.34	563.46	304.89	2.848		
13,400.00	7,705.00	13,312.45	7,758.74	160.22	150.31	-94.67	-494.77	6,089.73	859.13	549.42	309.70	2.774		
13,500.00	7,705.00	13,385.18	7,757.69	162.86	152.23	-94.62	-499.90	6,162.27	853.37	539.06	314.31	2.715		
13,600.00	7,705.00	13,465.12	7,756.53	165.50	154.35	-94.56	-503.36	6,242.12	850.34	531.42	318.93	2.666		
13,700.00	7,705.00	13,560.86	7,755.17	168.15	156.89	-94.47	-506.03	6,337.82	848.84	524.76	324.08	2.619		
13,774.46	7,705.00	13,623.84	7,754.26	170.12	158.56	-94.41	-507.32	6,400.77	848.30	520.76	327.54	2.590		
13,800.00	7,705.00	13,645.07	7,753.95	170.80	159.13	-94.39	-507.54	6,422.00	848.36	519.66	328.70	2.581		
13,900.00	7,705.00	13,747.14	7,752.32	173.44	161.83	-94.28	-508.23	6,524.06	848.97	514.85	334.13	2.541		
14,000.00	7,705.00	13,856.04	7,750.58	176.10	164.72	-94.16	-509.90	6,632.93	848.73	508.87	339.86	2.497		
14,100.00	7,705.00	13,962.74	7,749.08	178.75	167.56	-94.07	-512.70	6,739.58	847.40	501.93	345.47	2.453		
14,200.00	7,705.00	14,057.75	7,747.71	181.40	170.09	-93.98	-515.06	6,834.55	846.21	495.61	350.60	2.414		
14,300.00	7,705.00	14,160.58	7,746.56	184.05	172.82	-93.91	-517.65	6,937.34	845.03	488.98	356.05	2.373		
14,400.00	7,705.00	14,273.67	7,745.79	186.71	175.83	-93.86	-521.07	7,050.38	843.43	481.56	361.87	2.331		
14,500.00	7,705.00	14,383.73	7,744.42	189.37	178.77	-93.79	-526.93	7,160.27	839.38	471.85	367.53	2.284		
14,600.00	7,705.00	14,472.03	7,743.25	192.02	181.12	-93.72	-531.22	7,248.46	835.87	463.37	372.49	2.244		
14,700.00	7,705.00	14,559.56	7,742.01	194.68	183.46	-93.64	-533.99	7,335.94	834.01	456.65	377.36	2.210		
14,800.00	7,705.00	14,651.68	7,740.76	197.34	185.91	-93.56	-535.80	7,428.02	833.36	451.00	382.36	2.179		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROSPER FARMS 4-65 11-12 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5708.00usft
<b>Reference Site:</b>	SEC 10-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5708.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROSPER FARMS 4-65 11-12 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SEC 10-T4S-R65W - EXIST HZ PROSPER FARMS 4-65 11-12 3CH - OWB - FINAL SURVEY												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 25-MWD OWSG												<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
14,900.00	7,705.00	14,750.84	7,739.69	200.00	188.55	-93.49	-537.17	7,527.17	833.32	445.65	387.67	2.150	
14,977.04	7,705.00	14,826.71	7,738.85	202.06	190.57	-93.43	-538.35	7,603.03	833.15	441.42	391.73	2.127	
15,000.00	7,705.00	14,847.79	7,738.62	202.67	191.14	-93.41	-538.61	7,624.11	833.18	440.31	392.87	2.121	
15,100.00	7,705.00	14,934.56	7,737.78	205.33	193.45	-93.35	-539.02	7,710.87	834.06	436.53	397.53	2.098	
15,200.00	7,705.00	15,017.52	7,737.25	207.99	195.65	-93.31	-537.80	7,793.81	836.91	435.06	401.85	2.083	
15,300.00	7,705.00	15,104.10	7,736.54	210.66	197.95	-93.24	-534.81	7,880.34	841.69	435.42	406.27	2.072	
15,400.00	7,705.00	15,204.01	7,735.71	213.32	200.59	-93.16	-530.51	7,980.15	847.34	435.73	411.61	2.059	
15,500.00	7,705.00	15,318.00	7,734.73	215.99	203.62	-93.08	-526.79	8,094.07	851.96	434.05	417.91	2.039	
15,600.00	7,705.00	15,431.65	7,733.84	218.66	206.64	-93.01	-524.99	8,207.71	854.90	430.83	424.07	2.016	
15,700.00	7,705.00	15,532.89	7,732.76	221.32	209.34	-92.93	-524.37	8,308.94	856.85	427.36	429.50	1.995	
15,800.00	7,705.00	15,630.77	7,731.93	223.99	211.95	-92.87	-523.61	8,406.82	859.00	424.27	434.73	1.976	
15,900.00	7,705.00	15,725.02	7,731.19	226.66	214.46	-92.81	-522.47	8,501.06	861.57	421.82	439.74	1.959	
16,000.00	7,705.00	15,821.48	7,730.30	229.33	217.03	-92.74	-520.74	8,597.49	864.72	419.84	444.88	1.944	
16,100.00	7,705.00	15,924.13	7,729.38	232.00	219.76	-92.67	-518.83	8,700.13	867.94	417.54	450.40	1.927	
16,200.00	7,705.00	16,016.84	7,728.48	234.67	222.23	-92.60	-516.91	8,792.81	871.37	416.07	455.30	1.914	
16,300.00	7,705.00	16,123.15	7,727.52	237.34	225.06	-92.52	-514.61	8,899.09	874.89	413.84	461.05	1.898	
16,400.00	7,705.00	16,222.45	7,726.65	240.01	227.71	-92.46	-512.79	8,998.37	878.09	411.72	466.36	1.883	
16,500.00	7,705.00	16,328.83	7,725.74	242.69	230.55	-92.39	-510.93	9,104.73	881.23	409.12	472.10	1.867	
16,600.00	7,705.00	16,459.58	7,724.57	245.36	234.04	-92.31	-511.89	9,235.46	881.83	402.88	478.95	1.841	
16,700.00	7,705.00	16,570.41	7,723.62	248.03	237.01	-92.26	-515.45	9,346.23	879.97	395.27	484.70	1.815	
16,800.00	7,705.00	16,665.12	7,722.81	250.71	239.55	-92.21	-518.68	9,440.88	877.93	388.05	489.89	1.792	
16,900.00	7,705.00	16,794.75	7,721.08	253.38	243.03	-92.10	-524.41	9,570.36	874.96	378.92	496.04	1.764	
17,000.00	7,705.00	16,893.44	7,720.04	256.06	245.67	-92.04	-529.62	9,668.91	871.03	369.65	501.39	1.737	
17,100.00	7,705.00	17,061.76	7,717.61	258.73	250.18	-91.92	-547.37	9,836.23	861.59	355.20	506.39	1.701	
17,200.00	7,705.00	17,124.43	7,716.74	261.41	251.85	-91.87	-554.77	9,898.45	851.06	338.73	512.33	1.661	
17,300.00	7,705.00	17,192.57	7,716.03	264.08	252.68	-91.84	-560.16	9,966.38	844.48	327.00	517.48	1.632	
17,400.00	7,705.00	17,265.97	7,715.32	266.76	255.65	-91.79	-563.40	10,039.69	841.40	319.27	522.13	1.611	
17,482.84	7,705.00	17,335.00	7,714.68	268.98	257.50	-91.75	-564.92	10,108.71	840.72	314.71	526.00	1.598	
17,500.00	7,705.00	17,350.93	7,714.53	269.44	257.93	-91.74	-565.12	10,124.63	840.74	313.87	526.87	1.596	
17,600.00	7,705.00	17,449.13	7,713.70	272.11	260.56	-91.68	-566.30	10,222.82	840.92	308.77	532.15	1.580	
17,700.00	7,705.00	17,537.90	7,712.81	274.79	262.93	-91.62	-566.66	10,311.59	841.90	304.97	536.92	1.568	
17,800.00	7,705.00	17,618.09	7,712.04	277.47	265.08	-91.56	-565.46	10,391.76	844.76	303.75	541.01	1.561	
17,900.00	7,705.00	17,707.38	7,711.24	280.15	267.46	-91.50	-562.49	10,481.00	849.47	303.91	545.56	1.557	
18,000.00	7,705.00	17,811.02	7,710.20	282.83	270.22	-91.42	-558.57	10,584.56	854.63	303.42	551.21	1.550	
18,062.20	7,705.00	17,873.74	7,709.62	284.49	271.89	-91.38	-556.42	10,647.24	857.63	303.04	554.59	1.546 ES, SF	

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROSPER FARMS 4-65 11-12 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5708.00usft
<b>Reference Site:</b>	SEC 10-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5708.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROSPER FARMS 4-65 11-12 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 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	92.47	-40.05	929.46	930.45					
100.00	100.00	85.27	85.27	0.13	0.22	92.45	-39.80	929.47	930.32	929.97	0.35	2,654.945		
111.64	111.64	96.64	96.64	0.18	0.26	92.45	-39.71	929.47	930.32	929.88	0.43	2,149.484		
200.00	200.00	182.96	182.95	0.49	0.57	92.41	-39.05	929.59	930.41	929.36	1.06	878.955		
300.00	299.98	280.64	280.63	0.84	0.92	-78.68	-38.40	929.95	930.41	928.66	1.75	531.207		
400.00	399.84	379.72	379.71	1.19	1.27	-79.04	-37.78	930.49	929.92	927.47	2.45	379.129		
500.00	499.45	479.58	479.56	1.55	1.63	-79.63	-37.12	931.05	928.84	925.67	3.18	292.335		
600.00	598.70	579.70	579.69	1.94	1.98	-80.45	-36.48	931.55	927.21	923.28	3.93	236.203		
700.00	697.47	679.53	679.51	2.36	2.34	-81.47	-35.96	931.90	925.08	920.38	4.70	196.838		
800.00	795.94	778.25	778.23	2.80	2.70	-82.56	-35.47	932.22	922.96	917.47	5.49	168.093		
900.00	894.41	878.02	878.00	3.24	3.05	-83.65	-35.10	932.42	921.06	914.77	6.29	146.332		
1,000.00	992.89	976.24	976.21	3.70	3.41	-84.74	-34.57	932.53	919.41	912.32	7.10	129.537		
1,100.00	1,091.36	1,074.79	1,074.77	4.15	3.76	-85.85	-33.97	932.69	918.18	910.27	7.91	116.134		
1,200.00	1,189.83	1,174.58	1,174.55	4.61	4.11	-86.96	-33.47	932.75	917.18	908.46	8.72	105.169		
1,300.00	1,288.31	1,274.08	1,274.06	5.07	4.47	-88.07	-32.96	932.66	916.38	906.84	9.53	96.108		
1,400.00	1,386.78	1,373.47	1,373.44	5.53	4.82	-89.18	-32.48	932.46	915.82	905.48	10.35	88.505		
1,500.00	1,485.26	1,472.25	1,472.22	5.99	5.17	-90.29	-31.98	932.18	915.54	904.38	11.16	82.049		
1,535.50	1,520.22	1,507.16	1,507.13	6.16	5.29	-90.69	-31.79	932.08	915.51	904.07	11.45	79.987		
1,600.00	1,583.73	1,570.60	1,570.57	6.45	5.52	-91.40	-31.52	931.90	915.59	903.62	11.97	76.506		
1,700.00	1,682.20	1,669.72	1,669.69	6.92	5.86	-92.49	-31.29	931.62	915.95	903.18	12.78	71.694		
1,800.00	1,780.68	1,769.43	1,769.39	7.38	6.21	-93.59	-31.06	931.23	916.55	902.96	13.58	67.471		
1,900.00	1,879.15	1,868.93	1,868.90	7.85	6.56	-94.69	-30.86	930.70	917.34	902.95	14.39	63.746		
2,000.00	1,977.63	1,967.12	1,967.09	8.31	6.90	-95.77	-30.74	930.15	918.44	903.25	15.19	60.461		
2,100.00	2,076.10	2,065.07	2,065.03	8.78	7.24	-96.84	-30.59	929.65	919.92	903.93	15.99	57.529		
2,200.00	2,174.57	2,162.22	2,162.18	9.24	7.58	-97.91	-30.41	929.19	921.79	905.00	16.79	54.907		
2,300.00	2,273.05	2,256.92	2,256.88	9.71	7.91	-98.93	-30.27	929.09	924.31	906.73	17.58	52.586		
2,400.00	2,371.52	2,355.92	2,355.88	10.17	8.26	-99.99	-30.17	929.15	927.31	908.93	18.38	50.449		
2,500.00	2,470.00	2,454.83	2,454.79	10.64	8.60	-101.03	-30.21	929.23	930.59	911.41	19.17	48.538		
2,600.00	2,568.47	2,554.69	2,554.65	11.11	8.93	-102.07	-30.32	929.21	934.07	914.11	19.96	46.804		
2,700.00	2,666.94	2,653.32	2,653.28	11.57	9.27	-103.09	-30.41	929.06	937.73	916.99	20.74	45.210		
2,800.00	2,765.42	2,749.72	2,749.68	12.04	9.61	-104.09	-30.36	929.04	941.88	920.36	21.52	43.759		
2,900.00	2,863.89	2,848.11	2,848.07	12.51	9.95	-105.10	-30.31	929.09	946.40	924.09	22.31	42.413		
3,000.00	2,962.37	2,946.59	2,946.55	12.97	10.30	-106.09	-30.29	929.21	951.27	928.17	23.10	41.183		
3,100.00	3,060.84	3,045.82	3,045.78	13.44	10.65	-107.10	-30.19	929.17	956.32	932.43	23.89	40.035		
3,200.00	3,159.31	3,144.02	3,143.98	13.91	11.00	-108.08	-30.09	929.17	961.69	937.02	24.67	38.978		
3,300.00	3,257.79	3,243.26	3,243.21	14.37	11.35	-109.05	-30.02	929.13	967.31	941.85	25.46	37.994		
3,400.00	3,356.26	3,341.75	3,341.71	14.84	11.70	-110.02	-29.85	928.96	973.15	946.91	26.24	37.086		
3,500.00	3,454.73	3,438.73	3,438.69	15.31	12.04	-110.97	-29.61	928.84	979.34	952.33	27.01	36.259		
3,600.00	3,553.21	3,536.87	3,536.83	15.77	12.39	-111.90	-29.54	928.98	985.94	958.16	27.78	35.494		
3,700.00	3,651.68	3,635.25	3,635.21	16.24	12.73	-112.82	-29.48	929.09	992.78	964.23	28.55	34.778		
3,800.00	3,750.16	3,734.63	3,734.58	16.71	13.08	-113.75	-29.18	929.04	999.87	970.55	29.32	34.103		
3,900.00	3,848.63	3,835.51	3,835.46	17.18	13.44	-114.71	-28.56	928.57	1,007.05	976.96	30.09	33.463		
4,000.00	3,947.10	3,933.02	3,932.97	17.64	13.78	-115.62	-28.14	928.08	1,014.38	983.54	30.85	32.886		
4,100.00	4,045.58	4,029.03	4,028.98	18.11	14.11	-116.46	-28.15	928.12	1,022.15	990.56	31.59	32.358		
4,200.00	4,144.05	4,130.68	4,130.64	18.58	14.46	-117.35	-28.11	928.15	1,030.16	997.81	32.35	31.842		
4,300.00	4,242.53	4,225.93	4,225.88	19.04	14.79	-118.15	-28.23	928.21	1,038.34	1,005.26	33.08	31.386		
4,400.00	4,341.00	4,326.04	4,325.99	19.51	15.14	-119.00	-28.21	928.31	1,046.86	1,013.02	33.84	30.935		
4,500.00	4,439.47	4,423.01	4,422.96	19.98	15.48	-119.81	-28.06	928.30	1,055.58	1,021.00	34.59	30.520		
4,600.00	4,537.95	4,523.82	4,523.77	20.45	15.84	-120.64	-27.91	928.21	1,064.48	1,029.13	35.35	30.115		
4,700.00	4,636.42	4,620.23	4,620.19	20.91	16.18	-121.42	-27.82	928.20	1,073.61	1,037.52	36.08	29.753		
4,800.00	4,734.90	4,722.39	4,722.34	21.38	16.54	-122.22	-27.77	928.24	1,082.95	1,046.10	36.84	29.393		
4,900.00	4,833.37	4,826.31	4,826.25	21.85	16.90	-123.04	-28.24	927.50	1,091.58	1,053.98	37.60	29.029		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROSPER FARMS 4-65 11-12 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5708.00usft
<b>Reference Site:</b>	SEC 10-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5708.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROSPER FARMS 4-65 11-12 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 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		
5,000.00	4,931.84	4,912.53	4,912.47	22.32	17.20	-123.69	-28.30	927.58	1,101.25	1,062.97	38.28	28.766		
5,100.00	5,030.32	5,014.06	5,014.00	22.78	17.56	-124.45	-28.19	927.77	1,111.32	1,072.28	39.04	28.469		
5,200.00	5,128.79	5,116.19	5,116.14	23.25	17.92	-125.20	-28.12	927.82	1,121.44	1,081.65	39.79	28.185		
5,300.00	5,227.27	5,244.79	5,244.72	23.72	18.36	-126.13	-29.28	926.74	1,130.54	1,089.90	40.64	27.820		
5,400.00	5,325.74	5,448.34	5,447.64	24.19	19.05	-127.57	-40.06	916.32	1,133.77	1,092.17	41.60	27.253		
5,500.00	5,424.21	5,621.32	5,618.34	24.65	19.64	-128.91	-58.25	895.38	1,128.01	1,085.71	42.30	26.666		
5,600.00	5,522.69	5,743.71	5,738.27	25.12	20.08	-130.00	-72.84	875.85	1,119.29	1,076.32	42.97	26.048		
5,700.00	5,621.16	5,825.02	5,817.92	25.59	20.37	-130.73	-82.65	862.75	1,110.63	1,066.92	43.71	25.411		
5,800.00	5,719.63	5,921.99	5,913.10	26.06	20.72	-131.54	-94.82	848.78	1,103.01	1,058.59	44.42	24.832		
5,900.00	5,818.11	6,049.77	6,038.28	26.52	21.19	-132.51	-113.34	831.05	1,094.50	1,049.43	45.08	24.282		
6,000.00	5,916.58	6,195.46	6,179.84	26.99	21.74	-133.58	-139.29	808.46	1,082.50	1,036.87	45.64	23.719		
6,100.00	6,015.06	6,310.26	6,290.52	27.46	22.19	-134.37	-163.24	789.59	1,067.66	1,021.38	46.28	23.071		
6,200.00	6,113.53	6,432.68	6,407.90	27.93	22.69	-135.20	-191.11	768.91	1,051.14	1,004.28	46.86	22.430		
6,300.00	6,212.00	6,565.18	6,533.96	28.39	23.25	-136.14	-223.75	744.40	1,032.36	985.01	47.35	21.803		
6,400.00	6,310.48	6,697.30	6,658.07	28.86	23.84	-137.21	-259.09	716.10	1,010.12	962.35	47.77	21.146		
6,500.00	6,408.95	6,833.89	6,784.12	29.33	24.50	-138.65	-297.48	680.19	983.82	935.76	48.06	20.471		
6,600.00	6,507.43	6,955.50	6,894.53	29.80	25.12	-140.36	-331.19	642.00	955.34	906.92	48.42	19.730		
6,700.00	6,605.90	7,093.46	7,016.44	30.26	25.89	-142.88	-370.26	590.66	923.30	874.80	48.50	19.036		
6,800.00	6,704.37	7,196.65	7,105.85	30.73	26.52	-145.06	-400.79	549.17	889.44	840.41	49.03	18.141		
6,900.00	6,802.85	7,284.47	7,182.10	31.20	27.06	-146.86	-428.88	515.90	855.81	806.02	49.80	17.187		
7,000.00	6,901.32	7,361.18	7,249.99	31.67	27.52	-148.10	-455.83	492.58	824.06	773.31	50.75	16.239		
7,100.00	6,999.80	7,436.00	7,317.52	32.13	27.94	-148.56	-485.46	480.50	794.95	743.20	51.75	15.361		
7,200.00	7,098.27	7,495.18	7,371.08	32.60	28.21	-148.25	-510.53	480.01	769.32	716.34	52.98	14.521		
7,300.00	7,196.67	7,555.53	7,425.09	33.07	28.45	-128.16	-536.26	487.57	747.86	693.66	54.19	13.800		
7,400.00	7,293.35	7,625.00	7,486.64	33.55	28.70	-102.02	-564.53	502.95	726.27	671.02	55.25	13.145		
7,500.00	7,385.39	7,685.95	7,539.93	34.03	28.88	-93.31	-588.08	520.84	702.96	646.72	56.24	12.500		
7,600.00	7,469.98	7,764.15	7,606.63	34.50	29.08	-91.09	-617.44	549.07	677.66	620.58	57.08	11.873		
7,700.00	7,544.57	7,843.41	7,669.42	34.98	29.26	-91.83	-647.91	586.49	650.04	592.12	57.92	11.224		
7,800.00	7,606.88	7,908.00	7,715.52	35.47	29.38	-93.88	-672.35	624.48	622.32	563.58	58.74	10.594		
7,900.00	7,655.02	7,979.01	7,760.15	36.01	29.45	-96.89	-697.10	673.77	596.88	537.21	59.67	10.003		
8,000.00	7,687.53	8,039.75	7,792.96	36.62	29.49	-100.06	-715.15	721.54	576.24	515.67	60.58	9.513		
8,100.00	7,703.42	8,100.88	7,820.87	37.33	29.51	-103.30	-729.20	774.03	562.75	501.28	61.46	9.156		
8,200.00	7,705.00	8,193.83	7,852.33	38.17	29.49	-107.05	-745.90	859.77	554.90	492.17	62.73	8.846		
8,300.00	7,705.00	8,270.60	7,869.53	39.18	29.65	-109.03	-755.87	933.89	550.60	486.59	64.01	8.602		
8,367.21	7,705.00	8,327.02	7,878.34	39.96	30.20	-110.03	-760.33	989.43	549.96	484.84	65.12	8.446		
8,400.00	7,705.00	8,355.42	7,881.73	40.36	30.49	-110.40	-761.85	1,017.58	550.10	484.40	65.70	8.373		
8,500.00	7,705.00	8,473.45	7,887.70	41.72	31.85	-111.07	-765.88	1,135.32	550.13	481.48	68.64	8.014		
8,600.00	7,705.00	8,568.74	7,886.68	43.23	33.10	-111.03	-768.85	1,230.56	548.15	476.75	71.39	7.678		
8,700.00	7,705.00	8,657.92	7,885.87	44.87	34.39	-110.96	-770.32	1,319.72	547.59	473.45	74.14	7.386		
8,728.47	7,705.00	8,698.61	7,885.60	45.36	35.02	-110.94	-771.00	1,360.41	547.48	471.95	75.53	7.248		
8,800.00	7,705.00	8,804.35	7,884.67	46.63	36.76	-111.05	-777.93	1,465.89	543.75	464.58	79.16	6.869		
8,900.00	7,705.00	8,900.56	7,883.85	48.49	38.46	-111.32	-788.33	1,561.53	534.70	452.19	82.51	6.480		
9,000.00	7,705.00	8,993.47	7,883.02	50.44	40.20	-111.45	-795.02	1,654.19	528.91	443.01	85.90	6.158		
9,100.00	7,705.00	9,103.50	7,881.23	52.47	42.35	-111.58	-804.57	1,763.79	521.51	431.41	90.10	5.788		
9,200.00	7,705.00	9,196.98	7,880.35	54.56	44.25	-111.80	-813.38	1,856.85	513.72	420.03	93.70	5.483		
9,300.00	7,705.00	9,282.07	7,879.14	56.71	46.03	-111.87	-819.21	1,941.72	508.16	411.12	97.04	5.237		
9,400.00	7,705.00	9,363.52	7,878.29	58.91	47.76	-111.85	-822.00	2,023.11	505.92	405.69	100.23	5.048		
9,408.24	7,705.00	9,370.10	7,878.22	59.09	47.90	-111.84	-822.07	2,029.69	505.91	405.42	100.49	5.034		
9,500.00	7,705.00	9,453.94	7,877.09	61.15	49.71	-111.65	-821.43	2,113.52	507.24	403.25	103.99	4.878		
9,600.00	7,705.00	9,569.94	7,875.58	63.43	52.27	-111.46	-822.26	2,229.50	507.43	398.20	109.23	4.646		
9,700.00	7,705.00	9,671.21	7,873.71	65.74	54.56	-111.33	-825.39	2,330.71	505.18	391.47	113.71	4.443		
9,800.00	7,705.00	9,771.06	7,871.85	68.09	56.86	-111.17	-827.83	2,430.51	503.55	385.35	118.19	4.260		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROSPER FARMS 4-65 11-12 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5708.00usft
<b>Reference Site:</b>	SEC 10-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5708.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROSPER FARMS 4-65 11-12 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 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		
9,897.47	7,705.00	9,859.45	7,870.39	70.40	58.92	-111.04	-829.64	2,518.87	502.41	380.30	122.10	4.115	CC	
9,900.00	7,705.00	9,861.65	7,870.36	70.46	58.97	-111.04	-829.65	2,521.07	502.41	380.21	122.20	4.111		
10,000.00	7,705.00	9,952.99	7,868.88	72.85	61.11	-110.81	-829.33	2,612.39	503.46	377.15	126.31	3.986		
10,100.00	7,705.00	10,058.73	7,867.05	75.27	63.62	-110.52	-828.33	2,718.11	505.08	373.68	131.40	3.844		
10,200.00	7,705.00	10,153.34	7,865.24	77.71	65.89	-110.27	-828.08	2,812.71	505.99	370.17	135.82	3.725		
10,300.00	7,705.00	10,256.17	7,863.30	80.16	68.37	-109.96	-826.99	2,915.52	507.67	366.83	140.84	3.605		
10,400.00	7,705.00	10,367.21	7,861.65	82.63	71.08	-109.76	-827.80	3,026.53	507.80	361.48	146.32	3.471		
10,420.13	7,705.00	10,382.28	7,861.49	83.13	71.45	-109.74	-827.98	3,041.60	507.75	360.77	146.98	3.455		
10,500.00	7,705.00	10,449.18	7,861.04	85.11	73.10	-109.65	-827.86	3,108.50	508.76	358.79	149.97	3.392		
10,600.00	7,705.00	10,523.74	7,860.80	87.61	74.92	-109.48	-824.90	3,182.99	513.74	360.78	152.97	3.359		
10,700.00	7,705.00	10,621.50	7,860.45	90.12	77.30	-109.11	-817.37	3,280.46	522.20	364.40	157.80	3.309		
10,800.00	7,705.00	10,734.31	7,860.30	92.64	80.08	-108.81	-810.91	3,393.08	528.91	365.13	163.79	3.229		
10,900.00	7,705.00	10,854.51	7,860.34	95.17	83.09	-108.65	-807.93	3,513.23	532.63	362.53	170.11	3.131		
11,000.00	7,705.00	10,974.39	7,860.48	97.71	86.12	-108.70	-810.66	3,633.07	531.74	355.67	176.07	3.020		
11,100.00	7,705.00	11,066.80	7,860.77	100.25	88.47	-108.80	-813.99	3,725.42	529.81	349.38	180.43	2.936		
11,121.54	7,705.00	11,084.65	7,860.85	100.80	88.93	-108.82	-814.33	3,743.27	529.74	348.49	181.25	2.923		
11,200.00	7,705.00	11,151.83	7,861.15	102.81	90.64	-108.82	-814.55	3,810.44	530.64	346.30	184.35	2.878		
11,300.00	7,705.00	11,241.10	7,861.15	105.37	92.91	-108.71	-812.75	3,899.69	533.87	345.29	188.57	2.831		
11,400.00	7,705.00	11,333.08	7,861.20	107.94	95.24	-108.56	-809.33	3,991.61	538.74	345.75	193.00	2.791		
11,500.00	7,705.00	11,425.48	7,860.86	110.52	97.59	-108.31	-804.36	4,083.87	545.06	347.54	197.52	2.760		
11,600.00	7,705.00	11,522.46	7,859.83	113.10	100.04	-107.95	-797.74	4,180.62	552.54	350.02	202.53	2.728		
11,700.00	7,705.00	11,625.66	7,858.53	115.68	102.67	-107.57	-791.18	4,283.61	559.55	351.46	208.08	2.689		
11,800.00	7,705.00	11,732.50	7,856.68	118.27	105.40	-107.15	-784.65	4,390.23	566.24	352.26	213.98	2.646		
11,900.00	7,705.00	11,843.06	7,855.47	120.87	108.24	-106.87	-780.62	4,500.71	570.72	350.72	220.00	2.594		
12,000.00	7,705.00	11,971.24	7,853.81	123.47	111.56	-106.63	-779.68	4,628.85	572.50	345.54	226.96	2.522		
12,100.00	7,705.00	12,076.59	7,851.91	126.08	114.31	-106.48	-782.47	4,734.15	570.79	338.40	232.40	2.456		
12,200.00	7,705.00	12,174.42	7,850.53	128.68	116.87	-106.38	-785.04	4,831.94	569.21	331.79	237.42	2.397		
12,300.00	7,705.00	12,284.79	7,849.32	131.30	119.76	-106.35	-789.57	4,942.21	566.29	323.30	242.99	2.331		
12,400.00	7,705.00	12,379.76	7,847.42	133.91	122.25	-106.25	-793.72	5,037.06	562.90	314.98	247.92	2.271		
12,500.00	7,705.00	12,476.59	7,845.86	136.53	124.79	-106.13	-796.46	5,133.84	561.06	308.12	252.94	2.218		
12,600.00	7,705.00	12,578.54	7,844.43	139.15	127.47	-106.06	-800.38	5,235.71	558.32	300.15	258.17	2.163		
12,676.93	7,705.00	12,641.86	7,843.12	141.17	129.13	-105.95	-802.04	5,298.99	557.05	295.59	261.46	2.131		
12,700.00	7,705.00	12,656.83	7,842.80	141.78	129.52	-105.92	-802.04	5,313.96	557.22	295.06	262.17	2.125		
12,800.00	7,705.00	12,722.72	7,841.51	144.40	131.24	-105.69	-799.43	5,379.77	561.82	297.02	264.79	2.122		
12,900.00	7,705.00	12,807.82	7,839.95	147.03	133.44	-105.32	-792.41	5,464.57	570.63	301.81	268.83	2.123		
13,000.00	7,705.00	12,928.70	7,837.81	149.67	136.56	-104.80	-782.20	5,584.98	579.86	303.43	276.43	2.098		
13,100.00	7,705.00	13,110.40	7,834.22	152.30	141.34	-104.50	-786.41	5,766.44	577.83	291.55	286.28	2.018		
13,200.00	7,705.00	13,213.97	7,832.16	154.94	144.08	-104.51	-796.37	5,869.51	569.35	277.90	291.46	1.953		
13,300.00	7,705.00	13,296.07	7,830.63	157.58	146.26	-104.50	-802.97	5,951.32	562.48	266.33	296.15	1.899		
13,400.00	7,705.00	13,370.10	7,829.34	160.22	148.22	-104.42	-805.89	6,025.27	559.60	259.37	300.22	1.864		
13,500.00	7,705.00	13,467.91	7,827.72	162.86	150.80	-104.25	-806.96	6,123.07	559.48	254.05	305.43	1.832		
13,600.00	7,705.00	13,594.91	7,826.01	165.50	154.17	-104.18	-812.60	6,249.90	556.02	244.12	311.89	1.783		
13,700.00	7,705.00	13,682.42	7,824.88	168.15	156.49	-104.15	-817.30	6,337.27	551.89	235.30	316.59	1.743		
13,769.15	7,705.00	13,736.24	7,824.40	169.98	157.92	-104.12	-818.71	6,391.08	550.93	231.54	319.39	1.725		
13,800.00	7,705.00	13,762.18	7,824.28	170.80	158.61	-104.10	-818.88	6,417.02	551.11	230.42	320.69	1.718		
13,900.00	7,705.00	13,875.31	7,823.67	173.44	161.60	-104.05	-820.65	6,530.13	550.83	224.14	326.69	1.686		
14,000.00	7,705.00	13,980.60	7,822.31	176.10	164.40	-103.97	-824.43	6,635.34	548.37	216.17	332.21	1.651		
14,100.00	7,705.00	14,072.17	7,820.85	178.75	166.83	-103.85	-826.95	6,726.86	546.68	209.59	337.09	1.622		
14,157.92	7,705.00	14,125.08	7,819.92	180.28	168.24	-103.76	-827.72	6,779.76	546.41	206.50	339.91	1.608		
14,200.00	7,705.00	14,163.14	7,819.24	181.40	169.25	-103.68	-827.94	6,817.81	546.57	204.64	341.93	1.598		
14,300.00	7,705.00	14,252.08	7,817.76	184.05	171.60	-103.48	-827.32	6,906.73	548.24	201.68	346.55	1.582		
14,400.00	7,705.00	14,341.34	7,816.41	186.71	173.96	-103.25	-824.57	6,995.94	552.22	201.10	351.12	1.573		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROSPER FARMS 4-65 11-12 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5708.00usft
<b>Reference Site:</b>	SEC 10-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5708.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROSPER FARMS 4-65 11-12 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 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	
14,500.00	7,705.00	14,463.85	7,813.77	189.37	177.20	-102.86	-821.09	7,118.36	556.09	197.60	358.50	1.551	
14,600.00	7,705.00	14,638.93	7,809.13	192.02	181.85	-102.66	-835.18	7,292.61	548.30	182.78	365.52	1.500	
14,700.00	7,705.00	14,699.00	7,807.89	194.68	183.45	-102.71	-843.66	7,352.07	536.83	166.20	370.63	1.448	Level 3
14,797.34	7,705.00	14,766.13	7,806.99	197.27	185.23	-102.71	-848.82	7,418.95	531.66	157.29	374.37	1.420	Level 3
14,800.00	7,705.00	14,767.45	7,806.98	197.34	185.26	-102.71	-848.83	7,420.27	531.67	157.24	374.43	1.420	Level 3
14,900.00	7,705.00	14,825.42	7,806.58	200.00	186.79	-102.60	-846.65	7,478.19	536.27	160.33	375.94	1.426	Level 3
15,000.00	7,705.00	14,893.94	7,806.21	202.67	188.58	-102.38	-839.67	7,546.34	547.39	170.23	377.16	1.451	Level 3
15,100.00	7,705.00	15,002.35	7,805.53	205.33	191.38	-101.98	-826.09	7,653.88	560.93	176.78	384.15	1.460	Level 3
15,200.00	7,705.00	15,165.53	7,803.97	207.99	195.67	-101.59	-817.25	7,816.73	567.38	171.04	396.34	1.432	Level 3
15,300.00	7,705.00	15,289.61	7,803.09	210.66	198.99	-101.54	-820.88	7,940.74	565.64	162.78	402.86	1.404	Level 3
15,400.00	7,705.00	15,387.96	7,802.35	213.32	201.61	-101.53	-825.41	8,038.99	562.36	154.30	408.05	1.378	Level 3
15,500.00	7,705.00	15,480.59	7,802.05	215.99	204.09	-101.55	-828.95	8,131.55	559.92	146.96	412.96	1.356	Level 3
15,592.81	7,705.00	15,563.82	7,801.53	218.46	206.31	-101.51	-830.78	8,214.75	559.10	141.74	417.36	1.340	Level 3
15,600.00	7,705.00	15,570.11	7,801.47	218.66	206.48	-101.50	-830.85	8,221.04	559.10	141.42	417.69	1.339	Level 3
15,700.00	7,705.00	15,658.92	7,800.81	221.32	208.85	-101.41	-830.81	8,309.85	560.37	138.08	422.28	1.327	Level 3
15,800.00	7,705.00	15,754.33	7,800.04	223.99	211.39	-101.28	-829.51	8,405.24	562.92	135.59	427.33	1.317	Level 3
15,900.00	7,705.00	15,850.62	7,799.07	226.66	213.95	-101.11	-827.30	8,501.51	566.35	133.88	432.47	1.310	Level 3
16,000.00	7,705.00	15,955.20	7,798.00	229.33	216.73	-100.93	-825.11	8,606.06	569.59	131.27	438.32	1.299	Level 3
16,100.00	7,705.00	16,060.13	7,797.13	232.00	219.52	-100.80	-823.93	8,710.98	571.92	127.79	444.12	1.288	Level 3
16,200.00	7,705.00	16,162.25	7,796.13	234.67	222.25	-100.66	-823.41	8,813.08	573.61	123.91	449.70	1.276	Level 3
16,300.00	7,705.00	16,261.67	7,794.49	237.34	224.90	-100.47	-822.91	8,912.49	575.19	120.02	455.16	1.264	Level 3
16,400.00	7,705.00	16,357.77	7,790.86	240.01	227.46	-100.07	-821.72	9,008.52	577.13	116.49	460.63	1.253	Level 3
16,500.00	7,705.00	16,469.71	7,789.54	242.69	230.44	-99.90	-820.90	9,120.44	579.10	112.17	466.93	1.240	Level 2
16,600.00	7,705.00	16,588.30	7,788.87	245.36	233.62	-99.86	-824.13	9,238.98	577.69	104.55	473.13	1.221	Level 2
16,700.00	7,705.00	16,699.28	7,788.26	248.03	236.59	-99.87	-829.98	9,349.80	573.78	95.08	478.69	1.199	Level 2
16,800.00	7,705.00	16,807.21	7,787.69	250.71	239.49	-99.92	-837.47	9,457.46	568.23	84.21	484.02	1.174	Level 2
16,900.00	7,705.00	16,908.59	7,787.19	253.38	242.21	-99.99	-845.70	9,558.51	561.53	72.31	489.21	1.148	Level 2
17,000.00	7,705.00	17,006.37	7,786.69	256.06	244.83	-100.04	-853.02	9,656.02	555.44	61.04	494.40	1.123	Level 2
17,100.00	7,705.00	17,111.75	7,785.64	258.73	247.66	-100.06	-861.43	9,761.05	548.79	49.12	499.66	1.098	Level 2
17,200.00	7,705.00	17,210.32	7,784.71	261.41	250.30	-100.10	-869.97	9,859.25	541.47	36.58	504.89	1.072	Level 2
17,300.00	7,705.00	17,304.56	7,784.53	264.08	252.83	-100.20	-877.44	9,953.19	535.02	25.00	510.02	1.049	Level 2
17,400.00	7,705.00	17,397.91	7,784.33	266.76	255.34	-100.27	-883.79	10,046.32	529.67	14.56	515.11	1.028	Level 2
17,500.00	7,705.00	17,487.23	7,783.90	269.44	257.74	-100.29	-888.47	10,135.52	525.83	5.77	520.06	1.011	Level 2
17,593.52	7,705.00	17,566.56	7,783.46	271.94	259.86	-100.26	-890.69	10,214.81	524.47	0.16	524.32	1.000	Level 2
17,600.00	7,705.00	17,571.91	7,783.43	272.11	260.00	-100.26	-890.75	10,220.16	524.48	-0.11	524.59	1.000	Level 1
17,700.00	7,705.00	17,655.60	7,783.10	274.79	262.24	-100.19	-890.29	10,303.85	526.32	-2.32	528.63	0.996	Level 1
17,800.00	7,705.00	17,742.99	7,782.92	277.47	264.57	-100.10	-887.37	10,391.19	530.95	-1.74	532.69	0.997	Level 1
17,900.00	7,705.00	17,846.80	7,782.25	280.15	267.33	-99.90	-882.29	10,494.87	537.07	-1.62	538.69	0.997	Level 1
18,000.00	7,705.00	17,972.43	7,781.66	282.83	270.68	-99.79	-881.20	10,620.47	539.12	-7.26	546.38	0.987	Level 1
18,037.97	7,705.00	18,012.25	7,781.53	283.84	271.75	-99.78	-881.78	10,660.30	539.08	-9.44	548.52	0.983	Level 1, ES, SF
18,062.20	7,705.00	18,010.00	7,781.54	284.49	271.69	-99.78	-881.75	10,658.04	539.69	-7.85	547.54	0.986	Level 1

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROSPER FARMS 4-65 11-12 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5708.00usft
<b>Reference Site:</b>	SEC 10-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5708.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROSPER FARMS 4-65 11-12 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 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	2.74	2,340.79	111.95	2,343.49					
100.00	100.00	89.84	89.84	0.13	0.16	2.74	2,340.79	111.96	2,343.47	2,343.18	0.29	7,980.726 CC		
200.00	200.00	189.67	189.67	0.49	0.34	2.74	2,340.80	111.97	2,343.48	2,342.65	0.83	2,826.817 ES		
300.00	299.98	289.47	289.47	0.84	0.51	-168.20	2,340.82	111.98	2,345.21	2,343.86	1.35	1,735.276		
400.00	399.84	389.15	389.15	1.19	0.69	-168.21	2,340.85	112.00	2,350.36	2,348.48	1.88	1,251.620		
500.00	499.45	488.59	488.59	1.55	0.87	-168.22	2,340.88	112.03	2,358.92	2,356.51	2.41	977.481		
600.00	598.70	587.66	587.66	1.94	1.04	-168.23	2,340.92	112.07	2,370.89	2,367.94	2.95	802.660		
700.00	697.47	686.24	686.24	2.36	1.22	-168.24	2,340.96	112.11	2,386.26	2,382.76	3.50	682.120		
800.00	795.94	784.53	784.53	2.80	1.39	-168.32	2,341.01	112.16	2,403.37	2,399.33	4.04	594.894		
900.00	894.41	882.82	882.82	3.24	1.56	-168.40	2,341.07	112.22	2,420.49	2,415.91	4.58	528.620		
1,000.00	992.89	981.11	981.11	3.70	1.74	-168.48	2,341.14	112.28	2,437.62	2,432.50	5.12	476.053		
1,100.00	1,091.36	1,079.39	1,079.39	4.15	1.91	-168.56	2,341.21	112.35	2,454.76	2,449.09	5.66	433.400		
1,200.00	1,189.83	1,177.68	1,177.68	4.61	2.09	-168.64	2,341.29	112.42	2,471.91	2,465.70	6.21	398.131		
1,300.00	1,288.31	1,275.96	1,275.96	5.07	2.26	-168.72	2,341.38	112.50	2,489.08	2,482.32	6.75	368.500		
1,400.00	1,386.78	1,374.23	1,374.23	5.53	2.44	-168.79	2,341.47	112.59	2,506.25	2,498.95	7.30	343.267		
1,500.00	1,485.26	1,472.51	1,472.51	5.99	2.61	-168.87	2,341.57	112.69	2,523.44	2,515.59	7.85	321.526		
1,600.00	1,583.73	1,570.78	1,570.78	6.45	2.78	-168.94	2,341.68	112.79	2,540.64	2,532.24	8.40	302.604		
1,700.00	1,682.20	1,669.06	1,669.06	6.92	2.96	-169.01	2,341.79	112.89	2,557.85	2,548.90	8.94	285.990		
1,800.00	1,780.68	1,767.33	1,767.33	7.38	3.13	-169.09	2,341.91	113.01	2,575.07	2,565.58	9.49	271.287		
1,900.00	1,879.15	1,865.59	1,865.59	7.85	3.31	-169.16	2,342.04	113.13	2,592.30	2,582.26	10.04	258.186		
2,000.00	1,977.63	1,963.86	1,963.86	8.31	3.48	-169.22	2,342.17	113.26	2,609.54	2,598.95	10.59	246.438		
2,100.00	2,076.10	2,062.12	2,062.12	8.78	3.65	-169.29	2,342.32	113.39	2,626.80	2,615.66	11.14	235.846		
2,200.00	2,174.57	2,160.38	2,160.38	9.24	3.83	-169.36	2,342.46	113.53	2,644.06	2,632.37	11.69	226.247		
2,300.00	2,273.05	2,251.46	2,251.46	9.71	4.21	-169.43	2,342.78	113.42	2,661.52	2,649.08	12.44	213.968		
2,400.00	2,371.52	2,408.92	2,408.91	10.17	4.75	-169.56	2,342.52	112.27	2,678.74	2,665.37	13.37	200.321		
2,500.00	2,470.00	2,516.67	2,516.62	10.64	5.10	-169.67	2,340.45	110.37	2,693.93	2,679.82	14.11	190.988		
2,600.00	2,568.47	2,607.77	2,607.68	11.11	5.40	-169.77	2,338.73	108.45	2,709.16	2,694.37	14.78	183.275		
2,700.00	2,666.94	2,709.72	2,709.59	11.57	5.75	-169.89	2,336.83	106.05	2,724.42	2,708.91	15.50	175.747		
2,800.00	2,765.42	2,799.99	2,799.82	12.04	6.05	-169.99	2,335.20	104.02	2,739.74	2,723.56	16.18	169.323		
2,900.00	2,863.89	2,878.00	2,877.82	12.51	6.32	-170.07	2,334.32	102.87	2,755.75	2,738.93	16.81	163.900		
3,000.00	2,962.37	2,953.41	2,953.22	12.97	6.58	-170.12	2,334.07	102.69	2,772.53	2,755.10	17.44	158.980		
3,100.00	3,060.84	3,056.69	3,056.50	13.44	6.94	-170.16	2,334.04	103.59	2,789.67	2,771.50	18.18	153.457		
3,200.00	3,159.31	3,144.15	3,143.96	13.91	7.25	-170.20	2,333.98	104.55	2,806.78	2,787.93	18.86	148.855		
3,300.00	3,257.79	3,241.05	3,240.85	14.37	7.59	-170.23	2,334.23	105.56	2,824.20	2,804.63	19.57	144.294		
3,400.00	3,356.26	3,363.36	3,363.16	14.84	8.02	-170.31	2,334.07	105.68	2,841.25	2,820.86	20.39	139.367		
3,500.00	3,454.73	3,463.48	3,463.27	15.31	8.36	-170.38	2,333.39	104.75	2,857.74	2,836.63	21.10	135.407		
3,600.00	3,553.21	3,542.22	3,542.01	15.77	8.63	-170.44	2,333.16	104.16	2,874.61	2,852.87	21.74	132.230		
3,700.00	3,651.68	3,626.52	3,626.31	16.24	8.93	-170.49	2,333.40	104.05	2,892.06	2,869.66	22.40	129.109		
3,800.00	3,750.16	3,725.08	3,724.87	16.71	9.27	-170.54	2,333.94	104.42	2,909.78	2,886.65	23.12	125.836		
3,900.00	3,848.63	3,821.09	3,820.87	17.18	9.61	-170.59	2,334.48	105.01	2,927.51	2,903.67	23.84	122.816		
4,000.00	3,947.10	3,906.88	3,906.66	17.64	9.92	-170.62	2,335.18	105.67	2,945.49	2,920.98	24.51	120.192		
4,100.00	4,045.58	4,006.73	4,006.50	18.11	10.27	-170.66	2,336.21	106.41	2,963.69	2,938.45	25.24	117.437		
4,200.00	4,144.05	4,091.75	4,091.51	18.58	10.57	-170.70	2,337.22	107.03	2,982.04	2,956.14	25.90	115.126		
4,300.00	4,242.53	4,249.62	4,249.37	19.04	11.12	-170.78	2,337.83	107.13	2,999.58	2,972.71	26.87	111.640		
4,400.00	4,341.00	4,354.57	4,354.31	19.51	11.48	-170.86	2,337.03	105.80	3,016.00	2,988.40	27.61	109.248		
4,500.00	4,439.47	4,444.36	4,444.09	19.98	11.79	-170.92	2,336.43	105.09	3,032.55	3,004.26	28.28	107.216		
4,600.00	4,537.95	4,550.67	4,550.40	20.45	12.15	-170.99	2,335.93	104.60	3,049.28	3,020.25	29.03	105.036		
4,700.00	4,636.42	4,689.27	4,688.99	20.91	12.63	-171.07	2,334.06	104.12	3,065.17	3,035.26	29.91	102.479		
4,800.00	4,734.90	4,760.25	4,759.97	21.38	12.88	-171.11	2,333.06	104.08	3,080.93	3,050.42	30.51	100.969		
4,900.00	4,833.37	4,837.88	4,837.59	21.85	13.15	-171.14	2,332.44	104.35	3,097.35	3,066.20	31.14	99.451		
5,000.00	4,931.84	4,917.56	4,917.27	22.32	13.42	-171.17	2,332.33	104.83	3,114.41	3,082.62	31.78	97.987		
5,100.00	5,030.32	5,011.99	5,011.70	22.78	13.76	-171.22	2,332.64	104.96	3,131.93	3,099.44	32.49	96.406		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROSPER FARMS 4-65 11-12 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5708.00usft
<b>Reference Site:</b>	SEC 10-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5708.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROSPER FARMS 4-65 11-12 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 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	5,128.79	5,109.32	5,109.03	23.25	14.10	-171.27	2,332.87	104.76	3,149.36	3,116.16	33.20	94.856		
5,300.00	5,227.27	5,203.18	5,202.89	23.72	14.43	-171.31	2,333.24	104.72	3,166.96	3,133.06	33.90	93.415		
5,400.00	5,325.74	5,297.73	5,297.43	24.19	14.76	-171.35	2,333.72	105.29	3,184.67	3,150.07	34.61	92.025		
5,500.00	5,424.21	5,387.13	5,386.83	24.65	15.07	-171.38	2,334.34	106.02	3,202.56	3,167.28	35.29	90.753		
5,600.00	5,522.69	5,481.42	5,481.11	25.12	15.41	-171.41	2,335.27	106.63	3,220.74	3,184.75	35.99	89.483		
5,700.00	5,621.16	5,604.82	5,604.51	25.59	15.84	-171.46	2,336.15	107.32	3,238.67	3,201.85	36.83	87.943		
5,800.00	5,719.63	5,704.30	5,703.98	26.06	16.19	-171.50	2,336.28	107.59	3,256.02	3,218.47	37.55	86.702		
5,900.00	5,818.11	5,793.69	5,793.38	26.52	16.51	-171.53	2,336.56	108.07	3,273.54	3,235.30	38.24	85.612		
6,000.00	5,916.58	5,903.73	5,903.41	26.99	16.89	-171.58	2,336.91	108.05	3,291.08	3,252.07	39.01	84.369		
6,100.00	6,015.06	5,968.67	5,968.35	27.46	17.12	-171.62	2,337.30	107.44	3,308.90	3,269.33	39.58	83.608		
6,200.00	6,113.53	6,111.30	6,110.96	27.93	17.61	-171.70	2,338.21	106.19	3,326.86	3,286.37	40.49	82.166		
6,300.00	6,212.00	6,212.91	6,212.58	28.39	17.96	-171.76	2,337.97	105.67	3,343.87	3,302.65	41.22	81.125		
6,400.00	6,310.48	6,318.05	6,317.71	28.86	18.33	-171.80	2,337.48	106.10	3,360.62	3,318.66	41.97	80.081		
6,500.00	6,408.95	6,427.86	6,427.51	29.33	18.71	-171.82	2,336.89	107.27	3,377.32	3,334.59	42.73	79.031		
6,600.00	6,507.43	6,549.09	6,548.73	29.80	19.13	-171.87	2,335.41	107.85	3,393.34	3,349.79	43.55	77.917		
6,700.00	6,605.90	6,661.66	6,661.28	30.26	19.52	-171.93	2,333.45	106.56	3,408.87	3,364.55	44.33	76.905		
6,800.00	6,704.37	6,740.41	6,740.02	30.73	19.79	-171.98	2,332.18	106.08	3,424.52	3,379.57	44.96	76.173		
6,900.00	6,802.85	6,835.75	6,835.35	31.20	20.12	-172.01	2,330.99	106.16	3,440.53	3,394.87	45.66	75.349		
7,000.00	6,901.32	6,936.68	6,936.27	31.67	20.47	-172.05	2,329.73	106.60	3,456.53	3,410.14	46.39	74.510		
7,100.00	6,999.80	7,026.47	7,026.05	32.13	20.79	-172.08	2,328.68	107.16	3,472.60	3,425.53	47.07	73.773		
7,200.00	7,098.27	7,116.26	7,115.83	32.60	21.10	-172.10	2,327.87	107.95	3,488.94	3,441.19	47.75	73.062		
7,300.00	7,196.67	7,201.40	7,200.97	33.07	21.40	-151.45	2,327.39	108.27	3,505.66	3,457.25	48.41	72.409		
7,400.00	7,293.35	7,256.00	7,255.42	33.55	21.59	-122.35	2,327.30	104.58	3,523.31	3,474.37	48.94	71.996		
7,500.00	7,385.39	7,288.00	7,287.03	34.03	21.70	-109.77	2,327.78	99.66	3,542.69	3,493.34	49.35	71.790		
7,600.00	7,469.98	7,307.16	7,305.79	34.50	21.76	-102.60	2,328.32	95.82	3,563.50	3,513.81	49.70	71.705		
7,700.00	7,544.57	7,334.90	7,332.74	34.98	21.86	-97.81	2,329.25	89.33	3,585.31	3,535.20	50.11	71.544		
7,800.00	7,606.88	7,356.85	7,353.87	35.47	21.94	-94.08	2,330.06	83.43	3,607.70	3,557.13	50.57	71.343		
7,900.00	7,655.02	7,371.66	7,368.00	36.01	21.99	-90.95	2,330.59	79.06	3,630.23	3,579.13	51.10	71.044		
8,000.00	7,687.53	7,372.79	7,369.08	36.62	21.99	-88.10	2,330.63	78.71	3,652.43	3,600.73	51.70	70.648		
8,100.00	7,703.42	7,363.87	7,360.58	37.33	21.96	-85.56	2,330.31	81.40	3,673.65	3,621.26	52.40	70.113		
8,200.00	7,705.00	7,351.00	7,348.26	38.17	21.92	-84.49	2,329.84	85.07	3,693.93	3,640.73	53.20	69.432		
8,300.00	7,705.00	7,339.56	7,337.25	39.18	21.88	-84.31	2,329.42	88.14	3,716.30	3,662.16	54.14	68.646		
8,400.00	7,705.00	7,330.57	7,328.55	40.36	21.84	-84.18	2,329.10	90.42	3,741.14	3,685.96	55.18	67.794		
8,500.00	7,705.00	7,319.00	7,317.33	41.72	21.81	-84.00	2,328.70	93.18	3,768.42	3,712.12	56.30	66.937		
8,600.00	7,705.00	7,319.00	7,317.33	43.23	21.81	-84.00	2,328.70	93.18	3,798.09	3,740.55	57.54	66.011		
8,700.00	7,705.00	7,319.00	7,317.33	44.87	21.81	-84.00	2,328.70	93.18	3,830.14	3,771.31	58.82	65.112		
8,800.00	7,705.00	7,303.93	7,302.64	46.63	21.75	-83.77	2,328.22	96.50	3,864.40	3,804.33	60.07	64.334		
8,900.00	7,705.00	7,288.00	7,287.03	48.49	21.70	-83.52	2,327.78	99.66	3,900.99	3,839.66	61.33	63.609		
9,000.00	7,705.00	7,288.00	7,287.03	50.44	21.70	-83.52	2,327.78	99.66	3,939.66	3,876.97	62.68	62.849		
9,100.00	7,705.00	7,288.00	7,287.03	52.47	21.70	-83.52	2,327.78	99.66	3,980.46	3,916.42	64.04	62.153		
9,200.00	7,705.00	7,288.00	7,287.03	54.56	21.70	-83.52	2,327.78	99.66	4,023.34	3,957.94	65.40	61.521		
9,300.00	7,705.00	7,288.00	7,287.03	56.71	21.70	-83.52	2,327.78	99.66	4,068.22	4,001.48	66.74	60.956		
9,400.00	7,705.00	7,288.00	7,287.03	58.91	21.70	-83.52	2,327.78	99.66	4,115.05	4,046.98	68.07	60.457		
9,500.00	7,705.00	7,288.00	7,287.03	61.15	21.70	-83.52	2,327.78	99.66	4,163.75	4,094.38	69.37	60.022		
9,600.00	7,705.00	7,288.00	7,287.03	63.43	21.70	-83.52	2,327.78	99.66	4,214.26	4,143.61	70.65	59.650		
9,700.00	7,705.00	7,288.00	7,287.03	65.74	21.70	-83.52	2,327.78	99.66	4,266.51	4,194.61	71.90	59.337		
9,800.00	7,705.00	7,273.03	7,272.28	68.09	21.65	-83.29	2,327.48	102.23	4,320.24	4,247.18	73.05	59.137		
9,900.00	7,705.00	7,271.21	7,270.49	70.46	21.64	-83.26	2,327.45	102.51	4,375.74	4,301.50	74.24	58.942		
10,000.00	7,705.00	7,256.00	7,255.42	72.85	21.59	-83.02	2,327.30	104.58	4,432.97	4,357.65	75.32	58.852		
10,100.00	7,705.00	7,256.00	7,255.42	75.27	21.59	-83.02	2,327.30	104.58	4,491.49	4,415.03	76.45	58.748		
10,200.00	7,705.00	7,256.00	7,255.42	77.71	21.59	-83.02	2,327.30	104.58	4,551.44	4,473.90	77.55	58.692		
10,300.00	7,705.00	7,256.00	7,255.42	80.16	21.59	-83.02	2,327.30	104.58	4,612.79	4,534.18	78.61	58.680 SF		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROSPER FARMS 4-65 11-12 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5708.00usft
<b>Reference Site:</b>	SEC 10-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5708.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROSPER FARMS 4-65 11-12 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 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		
10,400.00	7,705.00	7,256.00	7,255.42	82.63	21.59	-83.02	2,327.30	104.58	4,675.47	4,595.84	79.64	58.710		
10,500.00	7,705.00	7,256.00	7,255.42	85.11	21.59	-83.02	2,327.30	104.58	4,739.43	4,658.80	80.63	58.780		
10,600.00	7,705.00	7,256.00	7,255.42	87.61	21.59	-83.02	2,327.30	104.58	4,804.63	4,723.03	81.59	58.887		
10,700.00	7,705.00	7,256.00	7,255.42	90.12	21.59	-83.02	2,327.30	104.58	4,871.00	4,788.48	82.52	59.029		
10,800.00	7,705.00	7,256.00	7,255.42	92.64	21.59	-83.02	2,327.30	104.58	4,938.50	4,855.09	83.42	59.204		
10,900.00	7,705.00	7,256.00	7,255.42	95.17	21.59	-83.02	2,327.30	104.58	5,007.10	4,922.81	84.28	59.410		
11,000.00	7,705.00	7,256.00	7,255.42	97.71	21.59	-83.02	2,327.30	104.58	5,076.73	4,991.62	85.12	59.645		
11,100.00	7,705.00	7,256.00	7,255.42	100.25	21.59	-83.02	2,327.30	104.58	5,147.37	5,061.45	85.92	59.908		
11,200.00	7,705.00	7,256.00	7,255.42	102.81	21.59	-83.02	2,327.30	104.58	5,218.96	5,132.27	86.70	60.197		
11,300.00	7,705.00	7,256.00	7,255.42	105.37	21.59	-83.02	2,327.30	104.58	5,291.48	5,204.03	87.45	60.511		
11,400.00	7,705.00	7,256.00	7,255.42	107.94	21.59	-83.02	2,327.30	104.58	5,364.88	5,276.71	88.17	60.847		
11,500.00	7,705.00	7,256.00	7,255.42	110.52	21.59	-83.02	2,327.30	104.58	5,439.13	5,350.27	88.87	61.206		
11,600.00	7,705.00	7,256.00	7,255.42	113.10	21.59	-83.02	2,327.30	104.58	5,514.20	5,424.66	89.54	61.585		
11,700.00	7,705.00	7,256.00	7,255.42	115.68	21.59	-83.02	2,327.30	104.58	5,590.04	5,499.86	90.19	61.984		
11,800.00	7,705.00	7,256.00	7,255.42	118.27	21.59	-83.02	2,327.30	104.58	5,666.63	5,575.82	90.81	62.401		
11,900.00	7,705.00	7,256.00	7,255.42	120.87	21.59	-83.02	2,327.30	104.58	5,743.95	5,652.54	91.41	62.836		
12,000.00	7,705.00	7,256.00	7,255.42	123.47	21.59	-83.02	2,327.30	104.58	5,821.95	5,729.96	91.99	63.287		
12,100.00	7,705.00	7,256.00	7,255.42	126.08	21.59	-83.02	2,327.30	104.58	5,900.62	5,808.07	92.55	63.754		
12,200.00	7,705.00	7,256.00	7,255.42	128.68	21.59	-83.02	2,327.30	104.58	5,979.93	5,886.83	93.09	64.235		
12,300.00	7,705.00	7,256.00	7,255.42	131.30	21.59	-83.02	2,327.30	104.58	6,059.84	5,966.23	93.62	64.731		
12,400.00	7,705.00	7,241.67	7,241.16	133.91	21.54	-82.80	2,327.26	106.09	6,140.15	6,046.09	94.06	65.277		
12,500.00	7,705.00	7,240.90	7,240.40	136.53	21.53	-82.79	2,327.26	106.16	6,221.20	6,126.66	94.55	65.800		
12,600.00	7,705.00	7,240.16	7,239.67	139.15	21.53	-82.77	2,327.26	106.23	6,302.80	6,207.78	95.01	66.336		
12,700.00	7,705.00	7,239.45	7,238.95	141.78	21.53	-82.76	2,327.26	106.29	6,384.91	6,289.45	95.47	66.882		
12,800.00	7,705.00	7,225.00	7,224.55	144.40	21.48	-82.54	2,327.29	107.35	6,467.71	6,371.87	95.84	67.481		
12,900.00	7,705.00	7,225.00	7,224.55	147.03	21.48	-82.54	2,327.29	107.35	6,550.80	6,454.53	96.27	68.047		
13,000.00	7,705.00	7,225.00	7,224.55	149.67	21.48	-82.54	2,327.29	107.35	6,634.35	6,537.67	96.68	68.622		
13,100.00	7,705.00	7,225.00	7,224.55	152.30	21.48	-82.54	2,327.29	107.35	6,718.35	6,621.27	97.08	69.207		
13,200.00	7,705.00	7,225.00	7,224.55	154.94	21.48	-82.54	2,327.29	107.35	6,802.79	6,705.32	97.46	69.800		
13,300.00	7,705.00	7,225.00	7,224.55	157.58	21.48	-82.54	2,327.29	107.35	6,887.64	6,789.80	97.83	70.402		
13,400.00	7,705.00	7,225.00	7,224.55	160.22	21.48	-82.54	2,327.29	107.35	6,972.89	6,874.70	98.19	71.012		
13,500.00	7,705.00	7,225.00	7,224.55	162.86	21.48	-82.54	2,327.29	107.35	7,058.53	6,959.99	98.54	71.630		
13,600.00	7,705.00	7,225.00	7,224.55	165.50	21.48	-82.54	2,327.29	107.35	7,144.54	7,045.66	98.88	72.256		
13,700.00	7,705.00	7,225.00	7,224.55	168.15	21.48	-82.54	2,327.29	107.35	7,230.91	7,131.71	99.21	72.888		
13,800.00	7,705.00	7,225.00	7,224.55	170.80	21.48	-82.54	2,327.29	107.35	7,317.63	7,218.11	99.52	73.527		
13,900.00	7,705.00	7,225.00	7,224.55	173.44	21.48	-82.54	2,327.29	107.35	7,404.69	7,304.85	99.83	74.173		
14,000.00	7,705.00	7,225.00	7,224.55	176.10	21.48	-82.54	2,327.29	107.35	7,492.06	7,391.93	100.13	74.824		
14,100.00	7,705.00	7,225.00	7,224.55	178.75	21.48	-82.54	2,327.29	107.35	7,579.75	7,479.33	100.42	75.482		
14,200.00	7,705.00	7,225.00	7,224.55	181.40	21.48	-82.54	2,327.29	107.35	7,667.74	7,567.04	100.70	76.145		
14,300.00	7,705.00	7,225.00	7,224.55	184.05	21.48	-82.54	2,327.29	107.35	7,756.03	7,655.05	100.97	76.813		
14,400.00	7,705.00	7,225.00	7,224.55	186.71	21.48	-82.54	2,327.29	107.35	7,844.59	7,743.35	101.24	77.486		
14,500.00	7,705.00	7,225.00	7,224.55	189.37	21.48	-82.54	2,327.29	107.35	7,933.42	7,831.93	101.50	78.165		
14,600.00	7,705.00	7,225.00	7,224.55	192.02	21.48	-82.54	2,327.29	107.35	8,022.52	7,920.77	101.75	78.848		
14,700.00	7,705.00	7,225.00	7,224.55	194.68	21.48	-82.54	2,327.29	107.35	8,111.87	8,009.88	101.99	79.535		
14,800.00	7,705.00	7,225.00	7,224.55	197.34	21.48	-82.54	2,327.29	107.35	8,201.47	8,099.24	102.23	80.227		
14,900.00	7,705.00	7,225.00	7,224.55	200.00	21.48	-82.54	2,327.29	107.35	8,291.31	8,188.85	102.46	80.923		
15,000.00	7,705.00	7,225.00	7,224.55	202.67	21.48	-82.54	2,327.29	107.35	8,381.37	8,278.69	102.68	81.623		
15,100.00	7,705.00	7,225.00	7,224.55	205.33	21.48	-82.54	2,327.29	107.35	8,471.66	8,368.76	102.90	82.326		
15,200.00	7,705.00	7,225.00	7,224.55	207.99	21.48	-82.54	2,327.29	107.35	8,562.17	8,459.05	103.12	83.034		
15,300.00	7,705.00	7,225.00	7,224.55	210.66	21.48	-82.54	2,327.29	107.35	8,652.88	8,549.55	103.33	83.744		
15,400.00	7,705.00	7,225.00	7,224.55	213.32	21.48	-82.54	2,327.29	107.35	8,743.80	8,640.27	103.53	84.458		
15,500.00	7,705.00	7,225.00	7,224.55	215.99	21.48	-82.54	2,327.29	107.35	8,834.91	8,731.18	103.73	85.175		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROSPER FARMS 4-65 11-12 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5708.00usft
<b>Reference Site:</b>	SEC 10-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5708.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROSPER FARMS 4-65 11-12 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SEC 10-T4S-R65W - EXIST HZ SKY RANCH 4-65 9-10 1H - OWB - FINAL SURVEY												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 2126-MWD OWSG												<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
15,600.00	7,705.00	7,225.00	7,224.55	218.66	21.48	-82.54	2,327.29	107.35	8,926.21	8,822.29	103.92	85.895	
15,700.00	7,705.00	7,225.00	7,224.55	221.32	21.48	-82.54	2,327.29	107.35	9,017.70	8,913.59	104.11	86.618	
15,800.00	7,705.00	7,225.00	7,224.55	223.99	21.48	-82.54	2,327.29	107.35	9,109.36	9,005.07	104.29	87.344	
15,900.00	7,705.00	7,225.00	7,224.55	226.66	21.48	-82.54	2,327.29	107.35	9,201.20	9,096.73	104.47	88.072	
16,000.00	7,705.00	7,225.00	7,224.55	229.33	21.48	-82.54	2,327.29	107.35	9,293.21	9,188.56	104.65	88.803	
16,100.00	7,705.00	7,225.00	7,224.55	232.00	21.48	-82.54	2,327.29	107.35	9,385.38	9,280.56	104.82	89.537	
16,200.00	7,705.00	7,225.00	7,224.55	234.67	21.48	-82.54	2,327.29	107.35	9,477.72	9,372.73	104.99	90.272	
16,300.00	7,705.00	7,225.00	7,224.55	237.34	21.48	-82.54	2,327.29	107.35	9,570.20	9,465.05	105.15	91.010	
16,400.00	7,705.00	7,225.00	7,224.55	240.01	21.48	-82.54	2,327.29	107.35	9,662.83	9,557.52	105.32	91.751	
16,500.00	7,705.00	7,225.00	7,224.55	242.69	21.48	-82.54	2,327.29	107.35	9,755.61	9,650.14	105.47	92.493	
16,600.00	7,705.00	7,225.00	7,224.55	245.36	21.48	-82.54	2,327.29	107.35	9,848.54	9,742.91	105.63	93.237	
16,700.00	7,705.00	7,225.00	7,224.55	248.03	21.48	-82.54	2,327.29	107.35	9,941.59	9,835.81	105.78	93.983	

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROSPER FARMS 4-65 11-12 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5708.00usft
<b>Reference Site:</b>	SEC 10-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5708.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROSPER FARMS 4-65 11-12 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 10-T4S-R65W - PROSPER FARMS 4-65 11-12 1BH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	1.00	1.00	0.00	0.00	0.54	119.84	1.13	119.85					
100.00	100.00	101.00	101.00	0.13	0.14	0.54	119.84	1.13	119.85	119.58	0.27	443.562	CC, ES	
200.00	200.00	196.94	196.92	0.49	0.48	0.63	121.47	1.34	121.55	120.56	0.98	123.549		
300.00	299.98	292.57	292.42	0.84	0.84	-170.15	126.26	1.98	128.28	126.59	1.69	75.981		
400.00	399.84	387.23	386.75	1.19	1.19	-170.07	134.11	3.03	141.71	139.31	2.40	59.105		
500.00	499.45	480.31	479.19	1.55	1.55	-170.04	144.83	4.46	161.74	158.64	3.11	52.071		
600.00	598.70	571.23	569.11	1.94	1.92	-170.05	158.17	6.23	188.22	184.41	3.81	49.448		
700.00	697.47	659.47	655.92	2.36	2.31	-170.07	173.82	8.32	220.94	216.45	4.49	49.168		
800.00	795.94	745.18	739.74	2.80	2.70	-170.16	191.56	10.68	258.14	252.99	5.15	50.081		
900.00	894.41	834.94	827.08	3.24	3.14	-170.18	212.06	13.42	297.37	291.55	5.83	51.029		
1,000.00	992.89	926.87	916.51	3.70	3.60	-170.19	233.17	16.23	336.72	330.21	6.51	51.733		
1,100.00	1,091.36	1,018.80	1,005.95	4.15	4.06	-170.20	254.27	19.04	376.06	368.86	7.21	52.194		
1,200.00	1,189.83	1,110.74	1,095.38	4.61	4.52	-170.21	275.38	21.85	415.41	407.51	7.90	52.558		
1,300.00	1,288.31	1,202.67	1,184.82	5.07	4.99	-170.22	296.49	24.67	454.75	446.15	8.61	52.845		
1,400.00	1,386.78	1,305.39	1,274.25	5.53	5.51	-170.22	317.59	27.48	494.10	484.75	9.35	52.833		
1,500.00	1,485.26	1,386.54	1,363.69	5.99	5.93	-170.23	338.70	30.29	533.45	523.43	10.02	53.259		
1,600.00	1,583.73	1,478.48	1,453.12	6.45	6.40	-170.23	359.80	33.11	572.79	562.07	10.72	53.412		
1,700.00	1,682.20	1,570.41	1,542.56	6.92	6.87	-170.24	380.91	35.92	612.14	600.70	11.43	53.540		
1,800.00	1,780.68	1,662.35	1,631.99	7.38	7.35	-170.24	402.02	38.73	651.48	639.34	12.14	53.647		
1,900.00	1,879.15	1,754.28	1,721.42	7.85	7.82	-170.24	423.12	41.55	690.83	677.97	12.86	53.739		
2,000.00	1,977.63	1,846.21	1,810.86	8.31	8.29	-170.24	444.23	44.36	730.17	716.61	13.57	53.818		
2,100.00	2,076.10	1,938.15	1,900.29	8.78	8.77	-170.25	465.34	47.17	769.52	755.24	14.28	53.886		
2,200.00	2,174.57	2,030.08	1,989.73	9.24	9.24	-170.25	486.44	49.98	808.86	793.87	14.99	53.945		
2,300.00	2,273.05	2,122.02	2,079.16	9.71	9.72	-170.25	507.55	52.80	848.21	832.50	15.71	53.997		
2,400.00	2,371.52	2,213.95	2,168.60	10.17	10.19	-170.25	528.65	55.61	887.55	871.13	16.42	54.043		
2,500.00	2,470.00	2,305.89	2,258.03	10.64	10.67	-170.25	549.76	58.42	926.90	909.76	17.14	54.084		
2,600.00	2,568.47	2,402.18	2,347.47	11.11	11.17	-170.26	570.87	61.24	966.25	948.37	17.87	54.068		
2,700.00	2,666.94	2,489.75	2,436.90	11.57	11.62	-170.26	591.97	64.05	1,005.59	987.02	18.57	54.153		
2,800.00	2,765.42	2,581.69	2,526.34	12.04	12.09	-170.26	613.08	66.86	1,044.94	1,025.65	19.29	54.182		
2,900.00	2,863.89	2,673.62	2,615.77	12.51	12.57	-170.26	634.19	69.68	1,084.28	1,064.28	20.00	54.208		
3,000.00	2,962.37	2,765.56	2,705.21	12.97	13.05	-170.26	655.29	72.49	1,123.63	1,102.91	20.72	54.231		
3,100.00	3,060.84	2,857.49	2,794.64	13.44	13.52	-170.26	676.40	75.30	1,162.97	1,141.54	21.44	54.253		
3,200.00	3,159.31	2,949.43	2,884.07	13.91	14.00	-170.26	697.50	78.11	1,202.32	1,180.16	22.15	54.272		
3,300.00	3,257.79	3,041.36	2,973.51	14.37	14.48	-170.26	718.61	80.93	1,241.66	1,218.79	22.87	54.289		
3,400.00	3,356.26	3,133.30	3,062.94	14.84	14.95	-170.26	739.72	83.74	1,281.01	1,257.42	23.59	54.305		
3,500.00	3,454.73	3,225.23	3,152.38	15.31	15.43	-170.26	760.82	86.55	1,320.35	1,296.05	24.31	54.320		
3,600.00	3,553.21	3,317.16	3,241.81	15.77	15.91	-170.27	781.93	89.37	1,359.70	1,334.67	25.03	54.333		
3,700.00	3,651.68	3,409.10	3,331.25	16.24	16.38	-170.27	803.04	92.18	1,399.05	1,373.30	25.74	54.345		
3,800.00	3,750.16	3,501.03	3,420.68	16.71	16.86	-170.27	824.14	94.99	1,438.39	1,411.93	26.46	54.355		
3,900.00	3,848.63	3,607.03	3,510.12	17.18	17.41	-170.27	845.25	97.80	1,477.74	1,450.50	27.24	54.254		
4,000.00	3,947.10	3,684.90	3,599.55	17.64	17.81	-170.27	866.35	100.62	1,517.08	1,489.18	27.90	54.374		
4,100.00	4,045.58	3,776.84	3,688.99	18.11	18.29	-170.27	887.46	103.43	1,556.43	1,527.81	28.62	54.382		
4,200.00	4,144.05	3,868.77	3,778.42	18.58	18.77	-170.27	908.57	106.24	1,595.77	1,566.43	29.34	54.390		
4,300.00	4,242.53	3,960.71	3,867.86	19.04	19.24	-170.27	929.67	109.06	1,635.12	1,605.06	30.06	54.396		
4,400.00	4,341.00	4,052.64	3,957.29	19.51	19.72	-170.27	950.78	111.87	1,674.46	1,643.68	30.78	54.402		
4,500.00	4,439.47	4,144.57	4,046.72	19.98	20.20	-170.27	971.89	114.68	1,713.81	1,682.31	31.50	54.408		
4,600.00	4,537.95	4,236.51	4,136.16	20.45	20.67	-170.27	992.99	117.50	1,753.15	1,720.93	32.22	54.413		
4,700.00	4,636.42	4,328.44	4,225.59	20.91	21.15	-170.27	1,014.10	120.31	1,792.50	1,759.56	32.94	54.417		
4,800.00	4,734.90	4,420.38	4,315.03	21.38	21.63	-170.27	1,035.21	123.12	1,831.85	1,798.18	33.66	54.421		
4,900.00	4,833.37	4,512.31	4,404.46	21.85	22.11	-170.27	1,056.31	125.93	1,871.19	1,836.81	34.38	54.424		
5,000.00	4,931.84	4,604.25	4,493.90	22.32	22.58	-170.27	1,077.42	128.75	1,910.54	1,875.43	35.10	54.427		
5,100.00	5,030.32	4,703.82	4,583.33	22.78	23.10	-170.27	1,098.52	131.56	1,949.88	1,914.03	35.85	54.384		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROSPER FARMS 4-65 11-12 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5708.00usft
<b>Reference Site:</b>	SEC 10-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5708.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROSPER FARMS 4-65 11-12 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 10-T4S-R65W - PROSPER FARMS 4-65 11-12 1BH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	5,128.79	4,788.12	4,672.77	23.25	23.54	-170.27	1,119.63	134.37	1,989.23	1,952.68	36.55	54.432		
5,300.00	5,227.27	4,880.05	4,762.20	23.72	24.01	-170.27	1,140.74	137.19	2,028.57	1,991.31	37.27	54.434		
5,400.00	5,325.74	4,971.98	4,851.64	24.19	24.49	-170.27	1,161.84	140.00	2,067.92	2,029.93	37.99	54.435		
5,500.00	5,424.21	5,063.92	4,941.07	24.65	24.97	-170.27	1,182.95	142.81	2,107.26	2,068.55	38.71	54.437		
5,600.00	5,522.69	5,155.85	5,030.50	25.12	25.45	-170.27	1,204.06	145.63	2,146.61	2,107.18	39.43	54.437		
5,700.00	5,621.16	5,247.79	5,119.94	25.59	25.92	-170.27	1,225.16	148.44	2,185.95	2,145.80	40.15	54.438		
5,800.00	5,719.63	5,339.72	5,209.37	26.06	26.40	-170.28	1,246.27	151.25	2,225.30	2,184.42	40.88	54.438		
5,900.00	5,818.11	5,431.66	5,298.81	26.52	26.88	-170.28	1,267.37	154.06	2,264.65	2,223.05	41.60	54.438		
6,000.00	5,916.58	5,523.59	5,388.24	26.99	27.35	-170.28	1,288.48	156.88	2,303.99	2,261.67	42.32	54.438		
6,100.00	6,015.06	5,615.52	5,477.68	27.46	27.83	-170.28	1,309.59	159.69	2,343.34	2,300.29	43.05	54.438		
6,200.00	6,113.53	5,707.46	5,567.11	27.93	28.31	-170.28	1,330.69	162.50	2,382.68	2,338.91	43.77	54.437		
6,300.00	6,212.00	5,800.61	5,656.55	28.39	28.79	-170.28	1,351.80	165.32	2,422.03	2,377.53	44.50	54.430		
6,400.00	6,310.48	5,908.67	5,745.98	28.86	29.35	-170.28	1,372.91	168.13	2,461.37	2,416.09	45.29	54.352		
6,500.00	6,408.95	5,983.26	5,835.42	29.33	29.74	-170.28	1,394.01	170.94	2,500.72	2,454.78	45.94	54.434		
6,600.00	6,507.43	6,075.20	5,924.85	29.80	30.22	-170.28	1,415.12	173.76	2,540.06	2,493.40	46.66	54.432		
6,700.00	6,605.90	6,167.13	6,014.29	30.26	30.70	-170.28	1,436.22	176.57	2,579.41	2,532.02	47.39	54.430		
6,800.00	6,704.37	6,259.07	6,103.72	30.73	31.17	-170.28	1,457.33	179.38	2,618.75	2,570.64	48.11	54.428		
6,900.00	6,802.85	6,351.00	6,193.15	31.20	31.65	-170.28	1,478.44	182.19	2,658.10	2,609.26	48.84	54.426		
7,000.00	6,901.32	6,442.93	6,282.59	31.67	32.13	-170.28	1,499.54	185.01	2,697.45	2,647.88	49.56	54.424		
7,100.00	6,999.80	6,534.87	6,372.02	32.13	32.61	-170.28	1,520.65	187.82	2,736.79	2,686.50	50.29	54.421		
7,200.00	7,098.27	6,626.80	6,461.46	32.60	33.08	-170.28	1,541.76	190.63	2,776.14	2,725.12	51.01	54.419		
7,300.00	7,196.67	6,718.71	6,550.86	33.07	33.56	-148.58	1,562.86	193.45	2,815.47	2,763.73	51.74	54.414		
7,400.00	7,293.35	6,809.39	6,639.09	33.55	34.03	-117.19	1,583.68	196.22	2,854.33	2,801.85	52.48	54.390		
7,500.00	7,385.39	6,903.79	6,723.54	34.03	34.52	-102.94	1,603.61	198.88	2,891.86	2,838.62	53.24	54.318		
7,600.00	7,469.98	6,976.51	6,801.66	34.50	34.90	-94.80	1,622.04	201.33	2,927.44	2,873.51	53.93	54.283		
7,700.00	7,544.57	7,047.87	6,871.07	34.98	35.27	-89.38	1,638.42	203.52	2,960.70	2,906.05	54.65	54.174		
7,800.00	7,606.88	7,108.10	6,929.67	35.47	35.58	-85.43	1,652.25	205.36	2,991.44	2,936.04	55.40	53.993		
7,900.00	7,655.02	7,155.39	6,975.67	36.01	35.83	-82.37	1,663.11	206.81	3,019.53	2,963.32	56.22	53.714		
8,000.00	7,687.53	7,188.29	7,007.68	36.62	36.00	-79.87	1,670.66	207.81	3,044.83	2,987.73	57.10	53.323		
8,100.00	7,703.42	7,205.81	7,024.72	37.33	36.09	-77.79	1,674.68	208.35	3,067.12	3,009.06	58.06	52.829		
8,200.00	7,705.00	7,210.02	7,028.82	38.17	36.11	-77.04	1,675.65	208.48	3,087.16	3,028.09	59.07	52.263		
8,300.00	7,705.00	8,400.51	7,705.00	39.18	42.84	-89.98	1,825.71	955.63	3,102.01	3,030.91	71.11	43.625		
8,400.00	7,705.00	8,500.51	7,705.00	40.36	43.84	-89.98	1,824.40	1,055.62	3,102.11	3,027.90	74.21	41.804		
8,500.00	7,705.00	8,600.51	7,705.00	41.72	45.00	-89.98	1,823.09	1,155.61	3,102.20	3,024.64	77.56	39.999		
8,600.00	7,705.00	8,700.51	7,705.00	43.23	46.31	-89.98	1,821.78	1,255.60	3,102.30	3,021.17	81.13	38.239		
8,700.00	7,705.00	8,800.51	7,705.00	44.87	47.77	-89.98	1,820.47	1,355.59	3,102.39	3,017.50	84.89	36.545		
8,800.00	7,705.00	8,900.51	7,705.00	46.63	49.35	-89.98	1,819.16	1,455.58	3,102.49	3,013.66	88.82	34.928		
8,900.00	7,705.00	9,000.51	7,705.00	48.49	51.05	-89.98	1,817.84	1,555.58	3,102.58	3,009.68	92.90	33.396		
9,000.00	7,705.00	9,100.51	7,705.00	50.44	52.85	-89.98	1,816.53	1,655.57	3,102.68	3,005.57	97.11	31.950		
9,100.00	7,705.00	9,200.51	7,705.00	52.47	54.75	-89.98	1,815.22	1,755.56	3,102.77	3,001.34	101.43	30.591		
9,200.00	7,705.00	9,300.51	7,705.00	54.56	56.72	-89.98	1,813.91	1,855.55	3,102.87	2,997.02	105.85	29.315		
9,300.00	7,705.00	9,400.51	7,705.00	56.71	58.76	-89.98	1,812.60	1,955.54	3,102.96	2,992.61	110.35	28.119		
9,400.00	7,705.00	9,500.51	7,705.00	58.91	60.85	-89.98	1,811.29	2,055.53	3,103.06	2,988.13	114.93	27.000		
9,500.00	7,705.00	9,600.51	7,705.00	61.15	63.01	-89.98	1,809.98	2,155.52	3,103.15	2,983.58	119.58	25.951		
9,600.00	7,705.00	9,700.51	7,705.00	63.43	65.20	-89.98	1,808.67	2,255.52	3,103.25	2,978.96	124.29	24.969		
9,700.00	7,705.00	9,800.51	7,705.00	65.74	67.44	-89.98	1,807.36	2,355.51	3,103.34	2,974.30	129.05	24.048		
9,800.00	7,705.00	9,900.51	7,705.00	68.09	69.72	-89.98	1,806.05	2,455.50	3,103.44	2,969.58	133.86	23.185		
9,900.00	7,705.00	10,000.51	7,705.00	70.46	72.02	-89.98	1,804.73	2,555.49	3,103.53	2,964.82	138.71	22.374		
10,000.00	7,705.00	10,100.51	7,705.00	72.85	74.36	-89.98	1,803.42	2,655.48	3,103.63	2,960.03	143.60	21.613		
10,100.00	7,705.00	10,200.51	7,705.00	75.27	76.72	-89.98	1,802.11	2,755.47	3,103.72	2,955.20	148.53	20.897		
10,200.00	7,705.00	10,300.51	7,705.00	77.71	79.11	-89.98	1,800.80	2,855.46	3,103.82	2,950.34	153.48	20.222		
10,300.00	7,705.00	10,400.51	7,705.00	80.16	81.51	-89.98	1,799.49	2,955.45	3,103.91	2,945.44	158.47	19.587		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROSPER FARMS 4-65 11-12 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5708.00usft
<b>Reference Site:</b>	SEC 10-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5708.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROSPER FARMS 4-65 11-12 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 10-T4S-R65W - PROSPER FARMS 4-65 11-12 1BH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,400.00	7,705.00	10,500.51	7,705.00	82.63	83.94	-89.98	1,798.18	3,055.45	3,104.01	2,940.53	163.48	18.987		
10,500.00	7,705.00	10,600.51	7,705.00	85.11	86.38	-89.98	1,796.87	3,155.44	3,104.10	2,935.59	168.52	18.420		
10,600.00	7,705.00	10,700.51	7,705.00	87.61	88.84	-89.98	1,795.56	3,255.43	3,104.20	2,930.63	173.57	17.884		
10,700.00	7,705.00	10,800.51	7,705.00	90.12	91.31	-89.98	1,794.25	3,355.42	3,104.30	2,925.65	178.65	17.377		
10,800.00	7,705.00	10,900.51	7,705.00	92.64	93.80	-89.98	1,792.93	3,455.41	3,104.39	2,920.65	183.74	16.895		
10,900.00	7,705.00	11,000.51	7,705.00	95.17	96.29	-89.98	1,791.62	3,555.40	3,104.49	2,915.63	188.85	16.439		
11,000.00	7,705.00	11,100.51	7,705.00	97.71	98.80	-89.98	1,790.31	3,655.39	3,104.58	2,910.60	193.98	16.005		
11,100.00	7,705.00	11,200.51	7,705.00	100.25	101.32	-89.98	1,789.00	3,755.39	3,104.68	2,905.56	199.12	15.592		
11,200.00	7,705.00	11,300.51	7,705.00	102.81	103.85	-89.98	1,787.69	3,855.38	3,104.77	2,900.50	204.27	15.199		
11,300.00	7,705.00	11,400.51	7,705.00	105.37	106.38	-89.98	1,786.38	3,955.37	3,104.87	2,895.43	209.44	14.825		
11,400.00	7,705.00	11,500.51	7,705.00	107.94	108.93	-89.98	1,785.07	4,055.36	3,104.96	2,890.35	214.61	14.468		
11,500.00	7,705.00	11,600.51	7,705.00	110.52	111.48	-89.98	1,783.76	4,155.35	3,105.06	2,885.26	219.80	14.127		
11,600.00	7,705.00	11,700.51	7,705.00	113.10	114.04	-89.98	1,782.45	4,255.34	3,105.15	2,880.16	224.99	13.801		
11,700.00	7,705.00	11,800.51	7,705.00	115.68	116.61	-89.98	1,781.14	4,355.33	3,105.25	2,875.05	230.20	13.489		
11,800.00	7,705.00	11,900.51	7,705.00	118.27	119.18	-89.98	1,779.82	4,455.32	3,105.34	2,869.93	235.41	13.191		
11,900.00	7,705.00	12,000.51	7,705.00	120.87	121.75	-89.98	1,778.51	4,555.32	3,105.44	2,864.80	240.63	12.905		
12,000.00	7,705.00	12,100.51	7,705.00	123.47	124.34	-89.98	1,777.20	4,655.31	3,105.53	2,859.67	245.86	12.631		
12,100.00	7,705.00	12,200.51	7,705.00	126.08	126.92	-89.98	1,775.89	4,755.30	3,105.63	2,854.53	251.10	12.368		
12,200.00	7,705.00	12,300.51	7,705.00	128.68	129.51	-89.98	1,774.58	4,855.29	3,105.72	2,849.38	256.34	12.116		
12,300.00	7,705.00	12,400.51	7,705.00	131.30	132.11	-89.98	1,773.27	4,955.28	3,105.82	2,844.23	261.59	11.873		
12,400.00	7,705.00	12,500.51	7,705.00	133.91	134.71	-89.98	1,771.96	5,055.27	3,105.91	2,839.07	266.84	11.639		
12,500.00	7,705.00	12,600.51	7,705.00	136.53	137.31	-89.98	1,770.65	5,155.26	3,106.01	2,833.90	272.10	11.415		
12,600.00	7,705.00	12,700.51	7,705.00	139.15	139.92	-89.98	1,769.34	5,255.26	3,106.10	2,828.74	277.37	11.199		
12,700.00	7,705.00	12,800.51	7,705.00	141.78	142.53	-89.98	1,768.03	5,355.25	3,106.20	2,823.56	282.64	10.990		
12,800.00	7,705.00	12,900.51	7,705.00	144.40	145.14	-89.98	1,766.71	5,455.24	3,106.29	2,818.38	287.91	10.789		
12,900.00	7,705.00	13,000.51	7,705.00	147.03	147.76	-89.98	1,765.40	5,555.23	3,106.39	2,813.20	293.19	10.595		
13,000.00	7,705.00	13,100.51	7,705.00	149.67	150.38	-89.98	1,764.09	5,655.22	3,106.48	2,808.01	298.47	10.408		
13,100.00	7,705.00	13,200.51	7,705.00	152.30	153.00	-89.98	1,762.78	5,755.21	3,106.58	2,802.82	303.76	10.227		
13,200.00	7,705.00	13,300.51	7,705.00	154.94	155.63	-89.98	1,761.47	5,855.20	3,106.67	2,797.63	309.05	10.052		
13,300.00	7,705.00	13,400.51	7,705.00	157.58	158.26	-89.98	1,760.16	5,955.20	3,106.77	2,792.43	314.34	9.883		
13,400.00	7,705.00	13,500.51	7,705.00	160.22	160.89	-89.98	1,758.85	6,055.19	3,106.86	2,787.23	319.64	9.720		
13,500.00	7,705.00	13,600.51	7,705.00	162.86	163.52	-89.98	1,757.54	6,155.18	3,106.96	2,782.02	324.94	9.562		
13,600.00	7,705.00	13,700.51	7,705.00	165.50	166.15	-89.98	1,756.23	6,255.17	3,107.05	2,776.81	330.24	9.408		
13,700.00	7,705.00	13,800.51	7,705.00	168.15	168.79	-89.98	1,754.91	6,355.16	3,107.15	2,771.60	335.55	9.260		
13,800.00	7,705.00	13,900.51	7,705.00	170.80	171.43	-89.98	1,753.60	6,455.15	3,107.24	2,766.39	340.85	9.116		
13,900.00	7,705.00	14,000.51	7,705.00	173.44	174.07	-89.98	1,752.29	6,555.14	3,107.34	2,761.18	346.16	8.976		
14,000.00	7,705.00	14,100.51	7,705.00	176.10	176.71	-89.98	1,750.98	6,655.13	3,107.43	2,755.96	351.48	8.841		
14,100.00	7,705.00	14,200.51	7,705.00	178.75	179.35	-89.98	1,749.67	6,755.12	3,107.53	2,750.74	356.79	8.710		
14,200.00	7,705.00	14,300.51	7,705.00	181.40	182.00	-89.98	1,748.36	6,855.12	3,107.63	2,745.51	362.11	8.582		
14,300.00	7,705.00	14,400.51	7,705.00	184.05	184.64	-89.98	1,747.05	6,955.11	3,107.72	2,740.29	367.43	8.458		
14,400.00	7,705.00	14,500.51	7,705.00	186.71	187.29	-89.98	1,745.74	7,055.10	3,107.82	2,735.06	372.75	8.337		
14,500.00	7,705.00	14,600.51	7,705.00	189.37	189.94	-89.98	1,744.43	7,155.09	3,107.91	2,729.83	378.08	8.220		
14,600.00	7,705.00	14,700.51	7,705.00	192.02	192.59	-89.98	1,743.12	7,255.08	3,108.01	2,724.60	383.40	8.106		
14,700.00	7,705.00	14,800.51	7,705.00	194.68	195.24	-89.98	1,741.80	7,355.07	3,108.10	2,719.37	388.73	7.995		
14,800.00	7,705.00	14,900.51	7,705.00	197.34	197.89	-89.98	1,740.49	7,455.07	3,108.20	2,714.13	394.06	7.888		
14,900.00	7,705.00	15,000.51	7,705.00	200.00	200.55	-89.98	1,739.18	7,555.06	3,108.29	2,708.90	399.39	7.783		
15,000.00	7,705.00	15,100.51	7,705.00	202.67	203.20	-89.98	1,737.87	7,655.05	3,108.39	2,703.66	404.73	7.680		
15,100.00	7,705.00	15,200.51	7,705.00	205.33	205.86	-89.98	1,736.56	7,755.04	3,108.48	2,698.42	410.06	7.581		
15,200.00	7,705.00	15,300.51	7,705.00	207.99	208.52	-89.98	1,735.25	7,855.03	3,108.58	2,693.18	415.40	7.483		
15,300.00	7,705.00	15,400.51	7,705.00	210.66	211.18	-89.98	1,733.94	7,955.02	3,108.67	2,687.94	420.73	7.389		
15,400.00	7,705.00	15,500.51	7,705.00	213.32	213.83	-89.98	1,732.63	8,055.01	3,108.77	2,682.69	426.07	7.296		
15,500.00	7,705.00	15,600.51	7,705.00	215.99	216.49	-89.98	1,731.32	8,155.01	3,108.86	2,677.45	431.41	7.206		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROSPER FARMS 4-65 11-12 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5708.00usft
<b>Reference Site:</b>	SEC 10-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5708.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROSPER FARMS 4-65 11-12 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 10-T4S-R65W - PROSPER FARMS 4-65 11-12 1BH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
				(usft)	(usft)	(°)			(usft)	(usft)	(usft)			
15,600.00	7,705.00	15,700.51	7,705.00	218.66	219.16	-89.98	1,730.01	8,255.00	3,108.96	2,672.20	436.75	7.118		
15,700.00	7,705.00	15,800.51	7,705.00	221.32	221.82	-89.98	1,728.69	8,354.99	3,109.05	2,666.95	442.10	7.033		
15,800.00	7,705.00	15,900.51	7,705.00	223.99	224.48	-89.98	1,727.38	8,454.98	3,109.15	2,661.71	447.44	6.949		
15,900.00	7,705.00	16,000.51	7,705.00	226.66	227.14	-89.98	1,726.07	8,554.97	3,109.24	2,656.46	452.79	6.867		
16,000.00	7,705.00	16,100.51	7,705.00	229.33	229.81	-89.98	1,724.76	8,654.96	3,109.34	2,651.21	458.13	6.787		
16,100.00	7,705.00	16,200.51	7,705.00	232.00	232.47	-89.98	1,723.45	8,754.95	3,109.43	2,645.95	463.48	6.709		
16,200.00	7,705.00	16,300.51	7,705.00	234.67	235.14	-89.98	1,722.14	8,854.94	3,109.53	2,640.70	468.83	6.633		
16,300.00	7,705.00	16,400.51	7,705.00	237.34	237.81	-89.98	1,720.83	8,954.94	3,109.62	2,635.45	474.18	6.558		
16,400.00	7,705.00	16,500.51	7,705.00	240.01	240.47	-89.98	1,719.52	9,054.93	3,109.72	2,630.19	479.53	6.485		
16,500.00	7,705.00	16,600.51	7,705.00	242.69	243.14	-89.98	1,718.21	9,154.92	3,109.81	2,624.93	484.88	6.414		
16,600.00	7,705.00	16,700.51	7,705.00	245.36	245.81	-89.98	1,716.89	9,254.91	3,109.91	2,619.68	490.23	6.344		
16,700.00	7,705.00	16,800.51	7,705.00	248.03	248.48	-89.98	1,715.58	9,354.90	3,110.00	2,614.42	495.58	6.275		
16,800.00	7,705.00	16,900.51	7,705.00	250.71	251.15	-89.98	1,714.27	9,454.89	3,110.10	2,609.16	500.94	6.209		
16,900.00	7,705.00	17,000.51	7,705.00	253.38	253.82	-89.98	1,712.96	9,554.88	3,110.19	2,603.90	506.29	6.143		
17,000.00	7,705.00	17,100.51	7,705.00	256.06	256.49	-89.98	1,711.65	9,654.88	3,110.29	2,598.64	511.65	6.079		
17,100.00	7,705.00	17,200.51	7,705.00	258.73	259.16	-89.98	1,710.34	9,754.87	3,110.38	2,593.38	517.00	6.016		
17,200.00	7,705.00	17,300.51	7,705.00	261.41	261.83	-89.98	1,709.03	9,854.86	3,110.48	2,588.12	522.36	5.955		
17,300.00	7,705.00	17,400.51	7,705.00	264.08	264.50	-89.98	1,707.72	9,954.85	3,110.57	2,582.86	527.72	5.894		
17,400.00	7,705.00	17,500.51	7,705.00	266.76	267.18	-89.98	1,706.41	10,054.84	3,110.67	2,577.59	533.08	5.835		
17,500.00	7,705.00	17,600.51	7,705.00	269.44	269.85	-89.98	1,705.10	10,154.83	3,110.76	2,572.33	538.43	5.777		
17,600.00	7,705.00	17,700.51	7,705.00	272.11	272.52	-89.98	1,703.78	10,254.82	3,110.86	2,567.07	543.79	5.721		
17,700.00	7,705.00	17,800.51	7,705.00	274.79	275.20	-89.98	1,702.47	10,354.82	3,110.96	2,561.80	549.15	5.665		
17,800.00	7,705.00	17,900.51	7,705.00	277.47	277.87	-89.98	1,701.16	10,454.81	3,111.05	2,556.53	554.52	5.610		
17,900.00	7,705.00	18,000.51	7,705.00	280.15	280.55	-89.98	1,699.85	10,554.80	3,111.15	2,551.27	559.88	5.557		
18,000.00	7,705.00	18,100.51	7,705.00	282.83	283.22	-89.98	1,698.54	10,654.79	3,111.24	2,546.00	565.24	5.504		
18,062.20	7,705.00	18,120.90	7,705.00	284.49	283.77	-89.98	1,698.27	10,675.18	3,111.58	2,544.13	567.45	5.483 SF		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROSPER FARMS 4-65 11-12 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5708.00usft
<b>Reference Site:</b>	SEC 10-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5708.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROSPER FARMS 4-65 11-12 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 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	1.00	1.00	0.00	0.00	0.60	80.14	0.84	80.14					
100.00	100.00	101.00	101.00	0.13	0.14	0.60	80.14	0.84	80.14	79.87	0.27	294.171		
200.00	200.00	201.00	201.00	0.49	0.50	0.60	80.14	0.84	80.14	79.15	0.99	81.004	CC, ES	
300.00	299.98	300.98	300.98	0.84	0.85	-170.54	80.14	0.84	81.86	80.17	1.69	48.344		
400.00	399.84	397.87	397.86	1.19	1.20	-170.87	81.78	1.14	88.73	86.33	2.40	36.970		
500.00	499.45	493.80	493.65	1.55	1.55	-171.09	86.59	2.02	102.31	99.20	3.11	32.846		
600.00	598.70	588.10	587.62	1.94	1.90	-171.19	94.38	3.43	122.51	118.69	3.83	32.028		
700.00	697.47	680.19	679.07	2.36	2.24	-171.19	104.92	5.35	149.18	144.65	4.53	32.966		
800.00	795.94	770.08	767.97	2.80	2.60	-171.16	118.00	7.72	180.52	175.31	5.20	34.697		
900.00	894.41	862.53	859.05	3.24	2.98	-171.02	133.59	10.56	214.06	208.18	5.88	36.393		
1,000.00	992.89	956.68	951.79	3.70	3.38	-170.91	149.60	13.47	247.75	241.17	6.58	37.668		
1,100.00	1,091.36	1,050.84	1,044.53	4.15	3.79	-170.83	165.61	16.37	281.43	274.16	7.27	38.714		
1,200.00	1,189.83	1,144.99	1,137.27	4.61	4.20	-170.76	181.62	19.28	315.12	307.15	7.98	39.508		
1,300.00	1,288.31	1,239.15	1,230.01	5.07	4.61	-170.71	197.63	22.19	348.81	340.13	8.68	40.175		
1,400.00	1,386.78	1,333.30	1,322.74	5.53	5.03	-170.66	213.64	25.10	382.50	373.11	9.39	40.733		
1,500.00	1,485.26	1,427.46	1,415.48	5.99	5.45	-170.63	229.65	28.01	416.18	406.08	10.10	41.206		
1,600.00	1,583.73	1,521.61	1,508.22	6.45	5.87	-170.60	245.66	30.92	449.87	439.06	10.81	41.610		
1,700.00	1,682.20	1,615.77	1,600.96	6.92	6.29	-170.57	261.67	33.83	483.56	472.03	11.52	41.961		
1,800.00	1,780.68	1,709.92	1,693.70	7.38	6.71	-170.55	277.68	36.74	517.25	505.01	12.24	42.267		
1,900.00	1,879.15	1,804.08	1,786.43	7.85	7.13	-170.53	293.68	39.65	550.93	537.98	12.95	42.537		
2,000.00	1,977.63	1,898.23	1,879.17	8.31	7.55	-170.51	309.69	42.56	584.62	570.96	13.67	42.777		
2,100.00	2,076.10	2,007.62	1,971.91	8.78	8.04	-170.49	325.70	45.46	618.31	603.87	14.44	42.818		
2,200.00	2,174.57	2,086.54	2,064.65	9.24	8.40	-170.48	341.71	48.37	652.00	636.90	15.10	43.182		
2,300.00	2,273.05	2,180.69	2,157.39	9.71	8.82	-170.46	357.72	51.28	685.69	669.87	15.82	43.355		
2,400.00	2,371.52	2,274.85	2,250.12	10.17	9.25	-170.45	373.73	54.19	719.37	702.84	16.53	43.512		
2,500.00	2,470.00	2,369.00	2,342.86	10.64	9.67	-170.44	389.74	57.10	753.06	735.81	17.25	43.656		
2,600.00	2,568.47	2,463.16	2,435.60	11.11	10.10	-170.43	405.75	60.01	786.75	768.78	17.97	43.786		
2,700.00	2,666.94	2,557.31	2,528.34	11.57	10.52	-170.42	421.76	62.92	820.44	801.75	18.69	43.906		
2,800.00	2,765.42	2,651.47	2,621.08	12.04	10.95	-170.41	437.77	65.83	854.13	834.72	19.40	44.017		
2,900.00	2,863.89	2,745.62	2,713.81	12.51	11.37	-170.41	453.78	68.74	887.81	867.69	20.12	44.119		
3,000.00	2,962.37	2,839.78	2,806.55	12.97	11.80	-170.40	469.79	71.65	921.50	900.66	20.84	44.214		
3,100.00	3,060.84	2,933.93	2,899.29	13.44	12.22	-170.39	485.80	74.55	955.19	933.63	21.56	44.301		
3,200.00	3,159.31	3,028.09	2,992.03	13.91	12.65	-170.39	501.81	77.46	988.88	966.60	22.28	44.383		
3,300.00	3,257.79	3,122.24	3,084.77	14.37	13.07	-170.38	517.82	80.37	1,022.57	999.57	23.00	44.459		
3,400.00	3,356.26	3,216.40	3,177.50	14.84	13.50	-170.37	533.82	83.28	1,056.26	1,032.54	23.72	44.530		
3,500.00	3,454.73	3,310.55	3,270.24	15.31	13.92	-170.37	549.83	86.19	1,089.94	1,065.50	24.44	44.597		
3,600.00	3,553.21	3,404.70	3,362.98	15.77	14.35	-170.36	565.84	89.10	1,123.63	1,098.47	25.16	44.660		
3,700.00	3,651.68	3,501.14	3,455.72	16.24	14.79	-170.36	581.85	92.01	1,157.32	1,131.43	25.89	44.703		
3,800.00	3,750.16	3,593.01	3,548.46	16.71	15.20	-170.36	597.86	94.92	1,191.01	1,164.41	26.60	44.774		
3,900.00	3,848.63	3,687.17	3,641.19	17.18	15.63	-170.35	613.87	97.83	1,224.70	1,197.38	27.32	44.826		
4,000.00	3,947.10	3,781.32	3,733.93	17.64	16.06	-170.35	629.88	100.74	1,258.38	1,230.34	28.04	44.875		
4,100.00	4,045.58	3,875.48	3,826.67	18.11	16.48	-170.34	645.89	103.65	1,292.07	1,263.31	28.76	44.921		
4,200.00	4,144.05	3,969.63	3,919.41	18.58	16.91	-170.34	661.90	106.55	1,325.76	1,296.28	29.48	44.965		
4,300.00	4,242.53	4,063.79	4,012.15	19.04	17.33	-170.34	677.91	109.46	1,359.45	1,329.24	30.21	45.007		
4,400.00	4,341.00	4,157.94	4,104.88	19.51	17.76	-170.33	693.92	112.37	1,393.14	1,362.21	30.93	45.047		
4,500.00	4,439.47	4,252.10	4,197.62	19.98	18.19	-170.33	709.93	115.28	1,426.83	1,395.18	31.65	45.084		
4,600.00	4,537.95	4,346.25	4,290.36	20.45	18.61	-170.33	725.94	118.19	1,460.51	1,428.14	32.37	45.120		
4,700.00	4,636.42	4,440.41	4,383.10	20.91	19.04	-170.33	741.95	121.10	1,494.20	1,461.11	33.09	45.154		
4,800.00	4,734.90	4,534.56	4,475.84	21.38	19.47	-170.32	757.96	124.01	1,527.89	1,494.08	33.81	45.186		
4,900.00	4,833.37	4,628.71	4,568.57	21.85	19.89	-170.32	773.96	126.92	1,561.58	1,527.04	34.54	45.217		
5,000.00	4,931.84	4,722.87	4,661.31	22.32	20.32	-170.32	789.97	129.83	1,595.27	1,560.01	35.26	45.246		
5,100.00	5,030.32	4,817.02	4,754.05	22.78	20.75	-170.32	805.98	132.74	1,628.96	1,592.98	35.98	45.274		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROSPER FARMS 4-65 11-12 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5708.00usft
<b>Reference Site:</b>	SEC 10-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5708.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROSPER FARMS 4-65 11-12 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 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	5,128.79	4,911.18	4,846.79	23.25	21.17	-170.31	821.99	135.64	1,662.64	1,625.94	36.70	45.300		
5,300.00	5,227.27	5,005.33	4,939.53	23.72	21.60	-170.31	838.00	138.55	1,696.33	1,658.91	37.43	45.326		
5,400.00	5,325.74	5,100.51	5,032.26	24.19	22.03	-170.31	854.01	141.46	1,730.02	1,691.87	38.15	45.346		
5,500.00	5,424.21	5,206.36	5,125.00	24.65	22.51	-170.31	870.02	144.37	1,763.71	1,724.79	38.92	45.317		
5,600.00	5,522.69	5,287.80	5,217.74	25.12	22.88	-170.31	886.03	147.28	1,797.40	1,757.80	39.59	45.396		
5,700.00	5,621.16	5,381.95	5,310.48	25.59	23.31	-170.31	902.04	150.19	1,831.09	1,790.77	40.32	45.417		
5,800.00	5,719.63	5,476.11	5,403.22	26.06	23.73	-170.30	918.05	153.10	1,864.77	1,823.73	41.04	45.437		
5,900.00	5,818.11	5,570.26	5,495.95	26.52	24.16	-170.30	934.06	156.01	1,898.46	1,856.70	41.76	45.457		
6,000.00	5,916.58	5,664.42	5,588.69	26.99	24.59	-170.30	950.07	158.92	1,932.15	1,889.66	42.49	45.476		
6,100.00	6,015.06	5,758.57	5,681.43	27.46	25.02	-170.30	966.08	161.83	1,965.84	1,922.63	43.21	45.493		
6,200.00	6,113.53	5,852.73	5,774.17	27.93	25.44	-170.30	982.09	164.73	1,999.53	1,955.59	43.94	45.511		
6,300.00	6,212.00	5,946.88	5,866.91	28.39	25.87	-170.30	998.09	167.64	2,033.21	1,988.56	44.66	45.527		
6,400.00	6,310.48	6,041.03	5,959.64	28.86	26.30	-170.29	1,014.10	170.55	2,066.90	2,021.52	45.38	45.543		
6,500.00	6,408.95	6,135.19	6,052.38	29.33	26.72	-170.29	1,030.11	173.46	2,100.59	2,054.48	46.11	45.558		
6,600.00	6,507.43	6,229.34	6,145.12	29.80	27.15	-170.29	1,046.12	176.37	2,134.28	2,087.45	46.83	45.573		
6,700.00	6,605.90	6,323.50	6,237.86	30.26	27.58	-170.29	1,062.13	179.28	2,167.97	2,120.41	47.56	45.586		
6,800.00	6,704.37	6,417.65	6,330.60	30.73	28.00	-170.29	1,078.14	182.19	2,201.66	2,153.37	48.28	45.600		
6,900.00	6,802.85	6,511.81	6,423.33	31.20	28.43	-170.29	1,094.15	185.10	2,235.34	2,186.34	49.01	45.613		
7,000.00	6,901.32	6,605.96	6,516.07	31.67	28.86	-170.29	1,110.16	188.01	2,269.03	2,219.30	49.73	45.625		
7,100.00	6,999.80	6,700.12	6,608.81	32.13	29.29	-170.29	1,126.17	190.92	2,302.72	2,252.26	50.46	45.637		
7,200.00	7,098.27	6,805.73	6,701.55	32.60	29.76	-170.28	1,142.18	193.82	2,336.41	2,285.18	51.23	45.609		
7,300.00	7,196.67	6,888.40	6,794.26	33.07	30.14	-148.87	1,158.18	196.73	2,370.09	2,318.18	51.91	45.657		
7,400.00	7,293.35	6,981.28	6,885.74	33.55	30.56	-118.22	1,173.98	199.60	2,403.38	2,350.73	52.65	45.652		
7,500.00	7,385.39	7,070.21	6,973.33	34.03	30.96	-104.70	1,189.10	202.35	2,435.63	2,382.26	53.37	45.636		
7,600.00	7,469.98	7,152.47	7,054.36	34.50	31.34	-97.24	1,203.08	204.89	2,466.50	2,412.42	54.08	45.607		
7,700.00	7,544.57	7,225.58	7,126.37	34.98	31.67	-92.40	1,215.52	207.15	2,495.88	2,441.09	54.79	45.552		
7,800.00	7,606.88	7,312.69	7,212.00	35.47	32.07	-89.36	1,230.26	212.61	2,523.68	2,467.97	55.71	45.299		
7,900.00	7,655.02	7,448.21	7,341.23	36.01	32.70	-88.08	1,252.19	245.74	2,548.68	2,491.52	57.16	44.588		
8,000.00	7,687.53	7,656.11	7,515.44	36.62	33.67	-88.46	1,280.93	353.33	2,569.10	2,509.72	59.39	43.260		
8,100.00	7,703.42	7,999.05	7,688.04	37.33	35.58	-89.87	1,307.00	642.59	2,581.02	2,517.51	63.50	40.645		
8,200.00	7,705.00	8,206.66	7,705.00	38.17	37.35	-89.98	1,307.23	848.80	2,582.08	2,514.78	67.30	38.365		
8,300.00	7,705.00	8,306.66	7,705.00	39.18	38.46	-89.98	1,305.92	948.79	2,582.18	2,512.02	70.16	36.806		
8,400.00	7,705.00	8,406.66	7,705.00	40.36	39.75	-89.98	1,304.61	1,048.79	2,582.28	2,508.98	73.29	35.231		
8,500.00	7,705.00	8,506.66	7,705.00	41.72	41.20	-89.98	1,303.30	1,148.78	2,582.37	2,505.69	76.68	33.675		
8,600.00	7,705.00	8,606.66	7,705.00	43.23	42.78	-89.98	1,301.99	1,248.77	2,582.47	2,502.18	80.29	32.165		
8,700.00	7,705.00	8,706.66	7,705.00	44.87	44.50	-89.98	1,300.68	1,348.76	2,582.56	2,498.47	84.09	30.710		
8,800.00	7,705.00	8,806.66	7,705.00	46.63	46.31	-89.98	1,299.37	1,448.75	2,582.66	2,494.60	88.06	29.328		
8,900.00	7,705.00	8,906.66	7,705.00	48.49	48.22	-89.98	1,298.06	1,548.74	2,582.75	2,490.58	92.17	28.021		
9,000.00	7,705.00	9,006.66	7,705.00	50.44	50.21	-89.98	1,296.75	1,648.73	2,582.85	2,486.44	96.41	26.790		
9,100.00	7,705.00	9,106.66	7,705.00	52.47	52.27	-89.98	1,295.44	1,748.73	2,582.95	2,482.19	100.76	25.635		
9,200.00	7,705.00	9,206.66	7,705.00	54.56	54.39	-89.98	1,294.13	1,848.72	2,583.04	2,477.84	105.20	24.553		
9,300.00	7,705.00	9,306.66	7,705.00	56.71	56.56	-89.98	1,292.82	1,948.71	2,583.14	2,473.40	109.73	23.540		
9,400.00	7,705.00	9,406.66	7,705.00	58.91	58.78	-89.98	1,291.51	2,048.70	2,583.23	2,468.90	114.34	22.593		
9,500.00	7,705.00	9,506.66	7,705.00	61.15	61.04	-89.98	1,290.20	2,148.69	2,583.33	2,464.32	119.01	21.707		
9,600.00	7,705.00	9,606.66	7,705.00	63.43	63.33	-89.98	1,288.89	2,248.68	2,583.43	2,459.69	123.74	20.878		
9,700.00	7,705.00	9,706.66	7,705.00	65.74	65.66	-89.98	1,287.58	2,348.67	2,583.52	2,455.00	128.52	20.102		
9,800.00	7,705.00	9,806.66	7,705.00	68.09	68.01	-89.98	1,286.27	2,448.66	2,583.62	2,450.27	133.35	19.375		
9,900.00	7,705.00	9,906.66	7,705.00	70.46	70.40	-89.98	1,284.96	2,548.66	2,583.71	2,445.49	138.22	18.693		
10,000.00	7,705.00	10,006.66	7,705.00	72.85	72.80	-89.98	1,283.65	2,648.65	2,583.81	2,440.68	143.13	18.053		
10,100.00	7,705.00	10,106.66	7,705.00	75.27	75.22	-89.98	1,282.34	2,748.64	2,583.90	2,435.84	148.07	17.451		
10,200.00	7,705.00	10,206.66	7,705.00	77.71	77.67	-89.98	1,281.03	2,848.63	2,584.00	2,430.96	153.04	16.885		
10,300.00	7,705.00	10,306.66	7,705.00	80.16	80.13	-89.98	1,279.72	2,948.62	2,584.10	2,426.06	158.04	16.351		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROSPER FARMS 4-65 11-12 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5708.00usft
<b>Reference Site:</b>	SEC 10-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5708.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROSPER FARMS 4-65 11-12 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 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	10,406.66	7,705.00	82.63	82.60	-89.98	1,278.41	3,048.61	2,584.19	2,421.13	163.06	15.848		
10,500.00	7,705.00	10,506.66	7,705.00	85.11	85.09	-89.98	1,277.10	3,148.60	2,584.29	2,416.18	168.11	15.373		
10,600.00	7,705.00	10,606.66	7,705.00	87.61	87.59	-89.98	1,275.79	3,248.60	2,584.38	2,411.21	173.18	14.923		
10,700.00	7,705.00	10,706.66	7,705.00	90.12	90.10	-89.98	1,274.48	3,348.59	2,584.48	2,406.21	178.27	14.498		
10,800.00	7,705.00	10,806.66	7,705.00	92.64	92.63	-89.98	1,273.17	3,448.58	2,584.58	2,401.21	183.37	14.095		
10,900.00	7,705.00	10,906.66	7,705.00	95.17	95.16	-89.98	1,271.85	3,548.57	2,584.67	2,396.18	188.49	13.712		
11,000.00	7,705.00	11,006.66	7,705.00	97.71	97.70	-89.98	1,270.54	3,648.56	2,584.77	2,391.14	193.63	13.349		
11,100.00	7,705.00	11,106.66	7,705.00	100.25	100.25	-89.98	1,269.23	3,748.55	2,584.86	2,386.09	198.77	13.004		
11,200.00	7,705.00	11,206.66	7,705.00	102.81	102.81	-89.98	1,267.92	3,848.54	2,584.96	2,381.02	203.94	12.675		
11,300.00	7,705.00	11,306.66	7,705.00	105.37	105.37	-89.98	1,266.61	3,948.54	2,585.05	2,375.95	209.11	12.362		
11,400.00	7,705.00	11,406.66	7,705.00	107.94	107.95	-89.98	1,265.30	4,048.53	2,585.15	2,370.86	214.29	12.064		
11,500.00	7,705.00	11,506.66	7,705.00	110.52	110.52	-89.98	1,263.99	4,148.52	2,585.25	2,365.76	219.49	11.779		
11,600.00	7,705.00	11,606.66	7,705.00	113.10	113.11	-89.98	1,262.68	4,248.51	2,585.34	2,360.65	224.69	11.506		
11,700.00	7,705.00	11,706.66	7,705.00	115.68	115.69	-89.98	1,261.37	4,348.50	2,585.44	2,355.54	229.90	11.246		
11,800.00	7,705.00	11,806.66	7,705.00	118.27	118.29	-89.98	1,260.06	4,448.49	2,585.53	2,350.41	235.12	10.997		
11,900.00	7,705.00	11,906.66	7,705.00	120.87	120.89	-89.98	1,258.75	4,548.48	2,585.63	2,345.28	240.35	10.758		
12,000.00	7,705.00	12,006.66	7,705.00	123.47	123.49	-89.98	1,257.44	4,648.47	2,585.73	2,340.14	245.58	10.529		
12,100.00	7,705.00	12,106.66	7,705.00	126.08	126.09	-89.98	1,256.13	4,748.47	2,585.82	2,335.00	250.83	10.309		
12,200.00	7,705.00	12,206.66	7,705.00	128.68	128.70	-89.98	1,254.82	4,848.46	2,585.92	2,329.84	256.07	10.098		
12,300.00	7,705.00	12,306.66	7,705.00	131.30	131.32	-89.98	1,253.51	4,948.45	2,586.01	2,324.69	261.33	9.896		
12,400.00	7,705.00	12,406.66	7,705.00	133.91	133.93	-89.98	1,252.20	5,048.44	2,586.11	2,319.52	266.59	9.701		
12,500.00	7,705.00	12,506.66	7,705.00	136.53	136.55	-89.98	1,250.89	5,148.43	2,586.21	2,314.35	271.85	9.513		
12,600.00	7,705.00	12,606.66	7,705.00	139.15	139.18	-89.98	1,249.58	5,248.42	2,586.30	2,309.18	277.12	9.333		
12,700.00	7,705.00	12,706.66	7,705.00	141.78	141.80	-89.98	1,248.27	5,348.41	2,586.40	2,304.00	282.39	9.159		
12,800.00	7,705.00	12,806.66	7,705.00	144.40	144.43	-89.98	1,246.96	5,448.41	2,586.49	2,298.82	287.67	8.991		
12,900.00	7,705.00	12,906.65	7,705.00	147.03	147.06	-89.98	1,245.65	5,548.40	2,586.59	2,293.63	292.95	8.829		
13,000.00	7,705.00	13,006.65	7,705.00	149.67	149.69	-89.98	1,244.34	5,648.39	2,586.68	2,288.44	298.24	8.673		
13,100.00	7,705.00	13,106.65	7,705.00	152.30	152.33	-89.98	1,243.03	5,748.38	2,586.78	2,283.25	303.53	8.522		
13,200.00	7,705.00	13,206.65	7,705.00	154.94	154.96	-89.98	1,241.72	5,848.37	2,586.88	2,278.05	308.82	8.377		
13,300.00	7,705.00	13,306.65	7,705.00	157.58	157.60	-89.98	1,240.41	5,948.36	2,586.97	2,272.85	314.12	8.236		
13,400.00	7,705.00	13,406.65	7,705.00	160.22	160.24	-89.98	1,239.10	6,048.35	2,587.07	2,267.65	319.42	8.099		
13,500.00	7,705.00	13,506.65	7,705.00	162.86	162.89	-89.98	1,237.79	6,148.35	2,587.16	2,262.44	324.73	7.967		
13,600.00	7,705.00	13,606.65	7,705.00	165.50	165.53	-89.98	1,236.48	6,248.34	2,587.26	2,257.23	330.03	7.839		
13,700.00	7,705.00	13,706.65	7,705.00	168.15	168.18	-89.98	1,235.17	6,348.33	2,587.36	2,252.02	335.34	7.716		
13,800.00	7,705.00	13,806.65	7,705.00	170.80	170.83	-89.98	1,233.86	6,448.32	2,587.45	2,246.80	340.65	7.596		
13,900.00	7,705.00	13,906.65	7,705.00	173.44	173.48	-89.98	1,232.54	6,548.31	2,587.55	2,241.58	345.97	7.479		
14,000.00	7,705.00	14,006.65	7,705.00	176.10	176.13	-89.98	1,231.23	6,648.30	2,587.64	2,236.36	351.28	7.366		
14,100.00	7,705.00	14,106.65	7,705.00	178.75	178.78	-89.98	1,229.92	6,748.29	2,587.74	2,231.14	356.60	7.257		
14,200.00	7,705.00	14,206.65	7,705.00	181.40	181.43	-89.98	1,228.61	6,848.28	2,587.83	2,225.91	361.92	7.150		
14,300.00	7,705.00	14,306.65	7,705.00	184.05	184.09	-89.98	1,227.30	6,948.28	2,587.93	2,220.69	367.24	7.047		
14,400.00	7,705.00	14,406.65	7,705.00	186.71	186.74	-89.98	1,225.99	7,048.27	2,588.03	2,215.46	372.57	6.946		
14,500.00	7,705.00	14,506.65	7,705.00	189.37	189.40	-89.98	1,224.68	7,148.26	2,588.12	2,210.23	377.90	6.849		
14,600.00	7,705.00	14,606.65	7,705.00	192.02	192.06	-89.98	1,223.37	7,248.25	2,588.22	2,204.99	383.22	6.754		
14,700.00	7,705.00	14,706.65	7,705.00	194.68	194.72	-89.98	1,222.06	7,348.24	2,588.31	2,199.76	388.55	6.661		
14,800.00	7,705.00	14,806.65	7,705.00	197.34	197.38	-89.98	1,220.75	7,448.23	2,588.41	2,194.52	393.89	6.571		
14,900.00	7,705.00	14,906.65	7,705.00	200.00	200.04	-89.98	1,219.44	7,548.22	2,588.51	2,189.28	399.22	6.484		
15,000.00	7,705.00	15,006.65	7,705.00	202.67	202.70	-89.98	1,218.13	7,648.22	2,588.60	2,184.05	404.56	6.399		
15,100.00	7,705.00	15,106.65	7,705.00	205.33	205.36	-89.98	1,216.82	7,748.21	2,588.70	2,178.80	409.89	6.316		
15,200.00	7,705.00	15,206.65	7,705.00	207.99	208.03	-89.98	1,215.51	7,848.20	2,588.79	2,173.56	415.23	6.235		
15,300.00	7,705.00	15,306.65	7,705.00	210.66	210.69	-89.98	1,214.20	7,948.19	2,588.89	2,168.32	420.57	6.156		
15,400.00	7,705.00	15,406.65	7,705.00	213.32	213.36	-89.98	1,212.89	8,048.18	2,588.98	2,163.07	425.91	6.079		
15,500.00	7,705.00	15,506.65	7,705.00	215.99	216.02	-89.98	1,211.58	8,148.17	2,589.08	2,157.83	431.25	6.004		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROSPER FARMS 4-65 11-12 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5708.00usft
<b>Reference Site:</b>	SEC 10-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5708.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROSPER FARMS 4-65 11-12 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SEC 10-T4S-R65W - PROSPER FARMS 4-65 11-12 2AH - OWB - PROPOSAL 1												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 0-MWD OWSG												<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
15,600.00	7,705.00	15,606.65	7,705.00	218.66	218.69	-89.98	1,210.27	8,248.16	2,589.18	2,152.58	436.60	5.930	
15,700.00	7,705.00	15,706.65	7,705.00	221.32	221.36	-89.98	1,208.96	8,348.16	2,589.27	2,147.33	441.94	5.859	
15,800.00	7,705.00	15,806.65	7,705.00	223.99	224.03	-89.98	1,207.65	8,448.15	2,589.37	2,142.08	447.29	5.789	
15,900.00	7,705.00	15,906.65	7,705.00	226.66	226.70	-89.98	1,206.34	8,548.14	2,589.46	2,136.83	452.63	5.721	
16,000.00	7,705.00	16,006.65	7,705.00	229.33	229.37	-89.98	1,205.03	8,648.13	2,589.56	2,131.58	457.98	5.654	
16,100.00	7,705.00	16,106.65	7,705.00	232.00	232.04	-89.98	1,203.72	8,748.12	2,589.66	2,126.33	463.33	5.589	
16,200.00	7,705.00	16,206.65	7,705.00	234.67	234.71	-89.98	1,202.41	8,848.11	2,589.75	2,121.07	468.68	5.526	
16,300.00	7,705.00	16,306.65	7,705.00	237.34	237.38	-89.98	1,201.10	8,948.10	2,589.85	2,115.82	474.03	5.463	
16,400.00	7,705.00	16,406.65	7,705.00	240.01	240.05	-89.98	1,199.79	9,048.10	2,589.94	2,110.56	479.38	5.403	
16,500.00	7,705.00	16,506.65	7,705.00	242.69	242.72	-89.98	1,198.48	9,148.09	2,590.04	2,105.30	484.74	5.343	
16,600.00	7,705.00	16,606.65	7,705.00	245.36	245.40	-89.98	1,197.17	9,248.08	2,590.13	2,100.05	490.09	5.285	
16,700.00	7,705.00	16,706.65	7,705.00	248.03	248.07	-89.98	1,195.86	9,348.07	2,590.23	2,094.79	495.44	5.228	
16,800.00	7,705.00	16,806.65	7,705.00	250.71	250.74	-89.98	1,194.55	9,448.06	2,590.33	2,089.53	500.80	5.172	
16,900.00	7,705.00	16,906.65	7,705.00	253.38	253.42	-89.98	1,193.23	9,548.05	2,590.42	2,084.27	506.15	5.118	
17,000.00	7,705.00	17,006.65	7,705.00	256.06	256.09	-89.98	1,191.92	9,648.04	2,590.52	2,079.01	511.51	5.064	
17,100.00	7,705.00	17,106.65	7,705.00	258.73	258.77	-89.98	1,190.61	9,748.03	2,590.61	2,073.75	516.87	5.012	
17,200.00	7,705.00	17,206.65	7,705.00	261.41	261.45	-89.98	1,189.30	9,848.03	2,590.71	2,068.48	522.23	4.961	
17,300.00	7,705.00	17,306.65	7,705.00	264.08	264.12	-89.98	1,187.99	9,948.02	2,590.81	2,063.22	527.59	4.911	
17,400.00	7,705.00	17,406.65	7,705.00	266.76	266.80	-89.98	1,186.68	10,048.01	2,590.90	2,057.96	532.95	4.861	
17,500.00	7,705.00	17,506.65	7,705.00	269.44	269.48	-89.98	1,185.37	10,148.00	2,591.00	2,052.69	538.31	4.813	
17,600.00	7,705.00	17,606.65	7,705.00	272.11	272.15	-89.98	1,184.06	10,247.99	2,591.09	2,047.43	543.67	4.766	
17,700.00	7,705.00	17,706.65	7,705.00	274.79	274.83	-89.98	1,182.75	10,347.98	2,591.19	2,042.16	549.03	4.720	
17,800.00	7,705.00	17,806.65	7,705.00	277.47	277.51	-89.98	1,181.44	10,447.97	2,591.28	2,036.90	554.39	4.674	
17,900.00	7,705.00	17,906.65	7,705.00	280.15	280.19	-89.98	1,180.13	10,547.97	2,591.38	2,031.63	559.75	4.630	
18,000.00	7,705.00	18,006.65	7,705.00	282.83	282.87	-89.98	1,178.82	10,647.96	2,591.48	2,026.36	565.12	4.586	
18,062.20	7,705.00	18,034.09	7,705.00	284.49	283.60	-89.98	1,178.46	10,675.40	2,591.77	2,024.31	567.46	4.567 SF	

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROSPER FARMS 4-65 11-12 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5708.00usft
<b>Reference Site:</b>	SEC 10-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5708.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROSPER FARMS 4-65 11-12 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 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	1.00	1.00	0.00	0.00	0.54	60.10	0.56	60.11					
100.00	100.00	101.00	101.00	0.13	0.14	0.54	60.10	0.56	60.11	59.83	0.27	220.625		
200.00	200.00	201.00	201.00	0.49	0.50	0.54	60.10	0.56	60.11	59.12	0.99	60.752 CC, ES		
300.00	299.98	300.98	300.98	0.84	0.85	-170.67	60.10	0.56	61.83	60.13	1.69	36.512		
400.00	399.84	400.84	400.84	1.19	1.21	-171.38	60.10	0.56	67.00	64.60	2.40	27.904		
500.00	499.45	500.45	500.45	1.55	1.57	-172.35	60.10	0.56	75.63	72.51	3.12	24.262		
600.00	598.70	596.86	596.84	1.94	1.92	-173.00	61.67	1.03	89.31	85.48	3.83	23.289		
700.00	697.47	691.68	691.54	2.36	2.26	-173.09	66.24	2.40	109.53	104.99	4.55	24.086		
800.00	795.94	784.77	784.30	2.80	2.60	-172.84	73.65	4.63	134.50	129.26	5.24	25.657		
900.00	894.41	879.81	878.79	3.24	2.95	-172.40	83.39	7.55	161.68	155.74	5.94	27.240		
1,000.00	992.89	976.00	974.42	3.70	3.31	-172.06	93.37	10.54	188.97	182.33	6.64	28.465		
1,100.00	1,091.36	1,072.20	1,070.06	4.15	3.68	-171.81	103.35	13.53	216.27	208.92	7.35	29.438		
1,200.00	1,189.83	1,168.40	1,165.69	4.61	4.05	-171.62	113.33	16.52	243.57	235.52	8.06	30.238		
1,300.00	1,288.31	1,264.60	1,261.32	5.07	4.42	-171.46	123.30	19.52	270.88	262.11	8.77	30.893		
1,400.00	1,386.78	1,360.79	1,356.95	5.53	4.79	-171.34	133.28	22.51	298.19	288.70	9.48	31.446		
1,500.00	1,485.26	1,456.99	1,452.58	5.99	5.17	-171.23	143.26	25.50	325.49	315.30	10.20	31.917		
1,600.00	1,583.73	1,553.19	1,548.22	6.45	5.54	-171.14	153.24	28.49	352.80	341.89	10.91	32.323		
1,700.00	1,682.20	1,649.39	1,643.85	6.92	5.92	-171.07	163.21	31.49	380.11	368.48	11.63	32.677		
1,800.00	1,780.68	1,745.59	1,739.48	7.38	6.29	-171.00	173.19	34.48	407.42	395.07	12.35	32.987		
1,900.00	1,879.15	1,841.78	1,835.11	7.85	6.67	-170.94	183.17	37.47	434.73	421.66	13.07	33.262		
2,000.00	1,977.63	1,937.98	1,930.74	8.31	7.05	-170.89	193.15	40.46	462.04	448.25	13.79	33.507		
2,100.00	2,076.10	2,034.18	2,026.38	8.78	7.43	-170.85	203.12	43.45	489.36	474.85	14.51	33.726		
2,200.00	2,174.57	2,130.38	2,122.01	9.24	7.81	-170.81	213.10	46.45	516.67	501.44	15.23	33.924		
2,300.00	2,273.05	2,226.57	2,217.64	9.71	8.19	-170.77	223.08	49.44	543.98	528.03	15.95	34.104		
2,400.00	2,371.52	2,322.77	2,313.27	10.17	8.57	-170.74	233.06	52.43	571.29	554.62	16.67	34.267		
2,500.00	2,470.00	2,418.97	2,408.90	10.64	8.95	-170.71	243.03	55.42	598.60	581.21	17.39	34.416		
2,600.00	2,568.47	2,515.17	2,504.54	11.11	9.33	-170.68	253.01	58.42	625.91	607.80	18.11	34.552		
2,700.00	2,666.94	2,611.36	2,600.17	11.57	9.71	-170.65	262.99	61.41	653.23	634.39	18.84	34.678		
2,800.00	2,765.42	2,707.56	2,695.80	12.04	10.09	-170.63	272.97	64.40	680.54	660.98	19.56	34.794		
2,900.00	2,863.89	2,803.76	2,791.43	12.51	10.47	-170.61	282.94	67.39	707.85	687.57	20.28	34.902		
3,000.00	2,962.37	2,900.04	2,887.06	12.97	10.85	-170.59	292.92	70.39	735.16	714.16	21.00	35.001		
3,100.00	3,060.84	3,003.85	2,982.70	13.44	11.26	-170.57	302.90	73.38	762.48	740.72	21.75	35.049		
3,200.00	3,159.31	3,107.65	3,078.33	13.91	11.67	-170.56	312.87	76.37	789.79	767.28	22.51	35.093		
3,300.00	3,257.79	3,188.55	3,173.96	14.37	11.99	-170.54	322.85	79.36	817.10	793.93	23.17	35.262		
3,400.00	3,356.26	3,284.75	3,269.59	14.84	12.37	-170.52	332.83	82.35	844.41	820.52	23.90	35.338		
3,500.00	3,454.73	3,380.94	3,365.22	15.31	12.75	-170.51	342.81	85.35	871.73	847.11	24.62	35.410		
3,600.00	3,553.21	3,477.14	3,460.85	15.77	13.13	-170.50	352.78	88.34	899.04	873.70	25.34	35.477		
3,700.00	3,651.68	3,573.34	3,556.49	16.24	13.52	-170.49	362.76	91.33	926.35	900.29	26.07	35.540		
3,800.00	3,750.16	3,669.54	3,652.12	16.71	13.90	-170.47	372.74	94.32	953.67	926.88	26.79	35.599		
3,900.00	3,848.63	3,765.73	3,747.75	17.18	14.28	-170.46	382.72	97.32	980.98	953.47	27.51	35.656		
4,000.00	3,947.10	3,861.93	3,843.38	17.64	14.66	-170.45	392.69	100.31	1,008.29	980.05	28.24	35.709		
4,100.00	4,045.58	3,958.13	3,939.01	18.11	15.04	-170.44	402.67	103.30	1,035.60	1,006.64	28.96	35.760		
4,200.00	4,144.05	4,054.33	4,034.65	18.58	15.42	-170.43	412.65	106.29	1,062.92	1,033.23	29.68	35.808		
4,300.00	4,242.53	4,150.52	4,130.28	19.04	15.80	-170.42	422.63	109.28	1,090.23	1,059.82	30.41	35.853		
4,400.00	4,341.00	4,246.72	4,225.91	19.51	16.18	-170.42	432.60	112.28	1,117.54	1,086.41	31.13	35.896		
4,500.00	4,439.47	4,342.92	4,321.54	19.98	16.57	-170.41	442.58	115.27	1,144.86	1,113.00	31.86	35.938		
4,600.00	4,537.95	4,439.12	4,417.17	20.45	16.95	-170.40	452.56	118.26	1,172.17	1,139.59	32.58	35.977		
4,700.00	4,636.42	4,535.31	4,512.81	20.91	17.33	-170.39	462.54	121.25	1,199.48	1,166.18	33.31	36.014		
4,800.00	4,734.90	4,631.51	4,608.44	21.38	17.71	-170.39	472.51	124.25	1,226.80	1,192.77	34.03	36.050		
4,900.00	4,833.37	4,727.71	4,704.07	21.85	18.09	-170.38	482.49	127.24	1,254.11	1,219.35	34.75	36.084		
5,000.00	4,931.84	4,823.91	4,799.70	22.32	18.47	-170.37	492.47	130.23	1,281.42	1,245.94	35.48	36.117		
5,100.00	5,030.32	4,920.11	4,895.33	22.78	18.86	-170.37	502.45	133.22	1,308.74	1,272.53	36.20	36.148		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROSPER FARMS 4-65 11-12 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5708.00usft
<b>Reference Site:</b>	SEC 10-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5708.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROSPER FARMS 4-65 11-12 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 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	5,128.79	5,016.30	4,990.97	23.25	19.24	-170.36	512.42	136.21	1,336.05	1,299.12	36.93	36.178		
5,300.00	5,227.27	5,112.50	5,086.60	23.72	19.62	-170.36	522.40	139.21	1,363.36	1,325.71	37.65	36.207		
5,400.00	5,325.74	5,208.70	5,182.23	24.19	20.00	-170.35	532.38	142.20	1,390.67	1,352.29	38.38	36.235		
5,500.00	5,424.21	5,304.90	5,277.86	24.65	20.38	-170.35	542.35	145.19	1,417.99	1,378.88	39.10	36.261		
5,600.00	5,522.69	5,401.09	5,373.49	25.12	20.76	-170.34	552.33	148.18	1,445.30	1,405.47	39.83	36.286		
5,700.00	5,621.16	5,502.71	5,469.13	25.59	21.17	-170.34	562.31	151.18	1,472.61	1,432.04	40.58	36.293		
5,800.00	5,719.63	5,606.51	5,564.76	26.06	21.58	-170.33	572.29	154.17	1,499.93	1,458.60	41.33	36.292		
5,900.00	5,818.11	5,689.69	5,660.39	26.52	21.91	-170.33	582.26	157.16	1,527.24	1,485.23	42.01	36.357		
6,000.00	5,916.58	5,785.88	5,756.02	26.99	22.29	-170.32	592.24	160.15	1,554.55	1,511.82	42.73	36.379		
6,100.00	6,015.06	5,882.08	5,851.65	27.46	22.67	-170.32	602.22	163.15	1,581.87	1,538.41	43.46	36.399		
6,200.00	6,113.53	5,978.28	5,947.29	27.93	23.05	-170.31	612.20	166.14	1,609.18	1,565.00	44.18	36.420		
6,300.00	6,212.00	6,074.48	6,042.92	28.39	23.44	-170.31	622.17	169.13	1,636.49	1,591.58	44.91	36.439		
6,400.00	6,310.48	6,170.67	6,138.55	28.86	23.82	-170.31	632.15	172.12	1,663.81	1,618.17	45.64	36.458		
6,500.00	6,408.95	6,266.87	6,234.18	29.33	24.20	-170.30	642.13	175.11	1,691.12	1,644.76	46.36	36.476		
6,600.00	6,507.43	6,363.07	6,329.81	29.80	24.58	-170.30	652.11	178.11	1,718.43	1,671.34	47.09	36.493		
6,700.00	6,605.90	6,459.27	6,425.45	30.26	24.96	-170.30	662.08	181.10	1,745.75	1,697.93	47.82	36.510		
6,800.00	6,704.37	6,555.46	6,521.08	30.73	25.35	-170.29	672.06	184.09	1,773.06	1,724.52	48.54	36.526		
6,900.00	6,802.85	6,651.66	6,616.71	31.20	25.73	-170.29	682.04	187.08	1,800.37	1,751.11	49.27	36.542		
7,000.00	6,901.32	6,747.86	6,712.34	31.67	26.11	-170.29	692.02	190.08	1,827.69	1,777.69	50.00	36.557		
7,100.00	6,999.80	6,844.06	6,807.97	32.13	26.49	-170.28	701.99	193.07	1,855.00	1,804.28	50.72	36.572		
7,200.00	7,098.27	6,940.25	6,903.61	32.60	26.87	-170.28	711.97	196.06	1,882.31	1,830.86	51.45	36.586		
7,300.00	7,196.67	7,036.42	6,999.21	33.07	27.26	-149.17	721.95	199.05	1,909.62	1,857.44	52.18	36.598		
7,400.00	7,293.35	7,131.33	7,093.56	33.55	27.63	-119.32	731.79	202.00	1,936.63	1,883.72	52.91	36.603		
7,500.00	7,385.39	7,226.12	7,187.74	34.03	28.01	-106.65	741.60	206.07	1,962.94	1,909.28	53.66	36.584		
7,600.00	7,469.98	7,331.47	7,290.59	34.50	28.45	-99.95	752.12	225.50	1,987.85	1,933.32	54.53	36.453		
7,700.00	7,544.57	7,446.18	7,396.51	34.98	28.94	-95.83	762.66	267.73	2,010.50	1,954.93	55.57	36.179		
7,800.00	7,606.88	7,572.05	7,500.58	35.47	29.51	-93.18	772.65	337.37	2,030.06	1,973.19	56.86	35.700		
7,900.00	7,655.02	7,710.12	7,594.37	36.01	30.22	-91.51	781.16	437.88	2,045.64	1,987.09	58.55	34.940		
8,000.00	7,687.53	7,859.59	7,665.86	36.62	31.24	-90.52	786.93	568.54	2,056.41	1,995.61	60.80	33.821		
8,100.00	7,703.42	8,016.93	7,702.26	37.33	32.73	-90.04	788.75	721.08	2,061.70	1,997.98	63.72	32.357		
8,200.00	7,705.00	8,137.92	7,705.00	38.17	34.17	-89.97	787.45	841.98	2,062.25	1,995.67	66.58	30.972		
8,300.00	7,705.00	8,237.92	7,705.00	39.18	35.54	-89.97	786.14	941.97	2,062.35	1,992.89	69.47	29.689		
8,400.00	7,705.00	8,337.92	7,705.00	40.36	37.06	-89.97	784.83	1,041.96	2,062.45	1,989.82	72.63	28.396		
8,500.00	7,705.00	8,437.92	7,705.00	41.72	38.71	-89.97	783.52	1,141.95	2,062.54	1,986.49	76.05	27.121		
8,600.00	7,705.00	8,537.92	7,705.00	43.23	40.48	-89.97	782.21	1,241.94	2,062.64	1,982.95	79.69	25.884		
8,700.00	7,705.00	8,637.92	7,705.00	44.87	42.35	-89.97	780.90	1,341.93	2,062.74	1,979.22	83.52	24.699		
8,800.00	7,705.00	8,737.92	7,705.00	46.63	44.31	-89.97	779.59	1,441.93	2,062.83	1,975.33	87.51	23.573		
8,900.00	7,705.00	8,837.92	7,705.00	48.49	46.35	-89.97	778.28	1,541.92	2,062.93	1,971.29	91.64	22.510		
9,000.00	7,705.00	8,937.92	7,705.00	50.44	48.45	-89.97	776.97	1,641.91	2,063.03	1,967.12	95.90	21.511		
9,100.00	7,705.00	9,037.92	7,705.00	52.47	50.61	-89.97	775.66	1,741.90	2,063.12	1,962.85	100.27	20.575		
9,200.00	7,705.00	9,137.92	7,705.00	54.56	52.81	-89.97	774.35	1,841.89	2,063.22	1,958.48	104.74	19.699		
9,300.00	7,705.00	9,237.92	7,705.00	56.71	55.07	-89.97	773.04	1,941.88	2,063.32	1,954.03	109.29	18.880		
9,400.00	7,705.00	9,337.92	7,705.00	58.91	57.36	-89.97	771.73	2,041.87	2,063.41	1,949.50	113.91	18.114		
9,500.00	7,705.00	9,437.92	7,705.00	61.15	59.69	-89.97	770.42	2,141.87	2,063.51	1,944.91	118.60	17.399		
9,600.00	7,705.00	9,537.92	7,705.00	63.43	62.04	-89.97	769.11	2,241.86	2,063.61	1,940.26	123.34	16.731		
9,700.00	7,705.00	9,637.92	7,705.00	65.74	64.42	-89.97	767.80	2,341.85	2,063.70	1,935.56	128.14	16.105		
9,800.00	7,705.00	9,737.92	7,705.00	68.09	66.83	-89.97	766.49	2,441.84	2,063.80	1,930.82	132.98	15.520		
9,900.00	7,705.00	9,837.92	7,705.00	70.46	69.26	-89.97	765.19	2,541.83	2,063.90	1,926.03	137.86	14.971		
10,000.00	7,705.00	9,937.92	7,705.00	72.85	71.71	-89.97	763.88	2,641.82	2,063.99	1,921.21	142.78	14.455		
10,100.00	7,705.00	10,037.92	7,705.00	75.27	74.17	-89.97	762.57	2,741.81	2,064.09	1,916.35	147.74	13.971		
10,200.00	7,705.00	10,137.92	7,705.00	77.71	76.66	-89.97	761.26	2,841.81	2,064.19	1,911.47	152.72	13.516		
10,300.00	7,705.00	10,237.92	7,705.00	80.16	79.15	-89.97	759.95	2,941.80	2,064.28	1,906.55	157.73	13.088		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROSPER FARMS 4-65 11-12 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5708.00usft
<b>Reference Site:</b>	SEC 10-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5708.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROSPER FARMS 4-65 11-12 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 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	10,337.92	7,705.00	82.63	81.66	-89.97	758.64	3,041.79	2,064.38	1,901.62	162.76	12.683		
10,500.00	7,705.00	10,437.92	7,705.00	85.11	84.18	-89.97	757.33	3,141.78	2,064.47	1,896.66	167.82	12.302		
10,600.00	7,705.00	10,537.92	7,705.00	87.61	86.71	-89.97	756.02	3,241.77	2,064.57	1,891.68	172.89	11.941		
10,700.00	7,705.00	10,637.92	7,705.00	90.12	89.25	-89.97	754.71	3,341.76	2,064.67	1,886.68	177.99	11.600		
10,800.00	7,705.00	10,737.92	7,705.00	92.64	91.80	-89.97	753.40	3,441.75	2,064.76	1,881.66	183.10	11.277		
10,900.00	7,705.00	10,837.92	7,705.00	95.17	94.36	-89.97	752.09	3,541.74	2,064.86	1,876.63	188.23	10.970		
11,000.00	7,705.00	10,937.92	7,705.00	97.71	96.92	-89.97	750.78	3,641.74	2,064.96	1,871.59	193.37	10.679		
11,100.00	7,705.00	11,037.92	7,705.00	100.25	99.49	-89.97	749.47	3,741.73	2,065.05	1,866.53	198.53	10.402		
11,200.00	7,705.00	11,137.92	7,705.00	102.81	102.07	-89.97	748.16	3,841.72	2,065.15	1,861.46	203.69	10.139		
11,300.00	7,705.00	11,237.92	7,705.00	105.37	104.65	-89.97	746.85	3,941.71	2,065.25	1,856.37	208.87	9.888		
11,400.00	7,705.00	11,337.92	7,705.00	107.94	107.24	-89.97	745.54	4,041.70	2,065.34	1,851.28	214.06	9.648		
11,500.00	7,705.00	11,437.92	7,705.00	110.52	109.84	-89.97	744.23	4,141.69	2,065.44	1,846.18	219.26	9.420		
11,600.00	7,705.00	11,537.92	7,705.00	113.10	112.44	-89.97	742.92	4,241.68	2,065.54	1,841.07	224.47	9.202		
11,700.00	7,705.00	11,637.92	7,705.00	115.68	115.04	-89.97	741.61	4,341.68	2,065.63	1,835.95	229.69	8.993		
11,800.00	7,705.00	11,737.92	7,705.00	118.27	117.65	-89.97	740.30	4,441.67	2,065.73	1,830.82	234.91	8.794		
11,900.00	7,705.00	11,837.92	7,705.00	120.87	120.26	-89.97	738.99	4,541.66	2,065.83	1,825.68	240.14	8.602		
12,000.00	7,705.00	11,937.92	7,705.00	123.47	122.88	-89.97	737.68	4,641.65	2,065.92	1,820.54	245.38	8.419		
12,100.00	7,705.00	12,037.92	7,705.00	126.08	125.50	-89.97	736.37	4,741.64	2,066.02	1,815.39	250.63	8.243		
12,200.00	7,705.00	12,137.92	7,705.00	128.68	128.12	-89.97	735.06	4,841.63	2,066.12	1,810.24	255.88	8.075		
12,300.00	7,705.00	12,237.92	7,705.00	131.30	130.75	-89.97	733.75	4,941.62	2,066.21	1,805.07	261.14	7.912		
12,400.00	7,705.00	12,337.92	7,705.00	133.91	133.38	-89.97	732.44	5,041.62	2,066.31	1,799.91	266.40	7.756		
12,500.00	7,705.00	12,437.91	7,705.00	136.53	136.01	-89.97	731.13	5,141.61	2,066.40	1,794.74	271.67	7.606		
12,600.00	7,705.00	12,537.91	7,705.00	139.15	138.64	-89.97	729.82	5,241.60	2,066.50	1,789.56	276.94	7.462		
12,700.00	7,705.00	12,637.91	7,705.00	141.78	141.28	-89.97	728.51	5,341.59	2,066.60	1,784.38	282.22	7.323		
12,800.00	7,705.00	12,737.91	7,705.00	144.40	143.91	-89.97	727.20	5,441.58	2,066.69	1,779.19	287.50	7.189		
12,900.00	7,705.00	12,837.91	7,705.00	147.03	146.55	-89.97	725.90	5,541.57	2,066.79	1,774.01	292.78	7.059		
13,000.00	7,705.00	12,937.91	7,705.00	149.67	149.20	-89.97	724.59	5,641.56	2,066.89	1,768.81	298.07	6.934		
13,100.00	7,705.00	13,037.91	7,705.00	152.30	151.84	-89.97	723.28	5,741.56	2,066.98	1,763.62	303.37	6.813		
13,200.00	7,705.00	13,137.91	7,705.00	154.94	154.49	-89.97	721.97	5,841.55	2,067.08	1,758.42	308.66	6.697		
13,300.00	7,705.00	13,237.91	7,705.00	157.58	157.13	-89.97	720.66	5,941.54	2,067.18	1,753.21	313.96	6.584		
13,400.00	7,705.00	13,337.91	7,705.00	160.22	159.78	-89.97	719.35	6,041.53	2,067.27	1,748.01	319.27	6.475		
13,500.00	7,705.00	13,437.91	7,705.00	162.86	162.43	-89.97	718.04	6,141.52	2,067.37	1,742.80	324.57	6.370		
13,600.00	7,705.00	13,537.91	7,705.00	165.50	165.09	-89.97	716.73	6,241.51	2,067.47	1,737.59	329.88	6.267		
13,700.00	7,705.00	13,637.91	7,705.00	168.15	167.74	-89.97	715.42	6,341.50	2,067.56	1,732.37	335.19	6.168		
13,800.00	7,705.00	13,737.91	7,705.00	170.80	170.39	-89.97	714.11	6,441.49	2,067.66	1,727.15	340.50	6.072		
13,900.00	7,705.00	13,837.91	7,705.00	173.44	173.05	-89.97	712.80	6,541.49	2,067.76	1,721.93	345.82	5.979		
14,000.00	7,705.00	13,937.91	7,705.00	176.10	175.71	-89.97	711.49	6,641.48	2,067.85	1,716.71	351.14	5.889		
14,100.00	7,705.00	14,037.91	7,705.00	178.75	178.37	-89.97	710.18	6,741.47	2,067.95	1,711.49	356.46	5.801		
14,200.00	7,705.00	14,137.91	7,705.00	181.40	181.03	-89.97	708.87	6,841.46	2,068.05	1,706.26	361.78	5.716		
14,300.00	7,705.00	14,237.91	7,705.00	184.05	183.69	-89.97	707.56	6,941.45	2,068.14	1,701.03	367.11	5.634		
14,400.00	7,705.00	14,337.91	7,705.00	186.71	186.35	-89.97	706.25	7,041.44	2,068.24	1,695.80	372.43	5.553		
14,500.00	7,705.00	14,437.91	7,705.00	189.37	189.01	-89.97	704.94	7,141.43	2,068.33	1,690.57	377.76	5.475		
14,600.00	7,705.00	14,537.91	7,705.00	192.02	191.68	-89.97	703.63	7,241.43	2,068.43	1,685.34	383.09	5.399		
14,700.00	7,705.00	14,637.91	7,705.00	194.68	194.34	-89.97	702.32	7,341.42	2,068.53	1,680.10	388.43	5.325		
14,800.00	7,705.00	14,737.91	7,705.00	197.34	197.01	-89.97	701.01	7,441.41	2,068.62	1,674.86	393.76	5.254		
14,900.00	7,705.00	14,837.91	7,705.00	200.00	199.67	-89.97	699.70	7,541.40	2,068.72	1,669.63	399.09	5.184		
15,000.00	7,705.00	14,937.91	7,705.00	202.67	202.34	-89.97	698.39	7,641.39	2,068.82	1,664.39	404.43	5.115		
15,100.00	7,705.00	15,037.91	7,705.00	205.33	205.01	-89.97	697.08	7,741.38	2,068.91	1,659.14	409.77	5.049		
15,200.00	7,705.00	15,137.91	7,705.00	207.99	207.68	-89.97	695.77	7,841.37	2,069.01	1,653.90	415.11	4.984		
15,300.00	7,705.00	15,237.91	7,705.00	210.66	210.34	-89.97	694.46	7,941.37	2,069.11	1,648.66	420.45	4.921		
15,400.00	7,705.00	15,337.91	7,705.00	213.32	213.01	-89.97	693.15	8,041.36	2,069.20	1,643.41	425.79	4.860		
15,500.00	7,705.00	15,437.91	7,705.00	215.99	215.69	-89.97	691.84	8,141.35	2,069.30	1,638.16	431.14	4.800		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROSPER FARMS 4-65 11-12 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5708.00usft
<b>Reference Site:</b>	SEC 10-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5708.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROSPER FARMS 4-65 11-12 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 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		
				(usft)	(usft)									
15,600.00	7,705.00	15,537.91	7,705.00	218.66	218.36	-89.97	690.53	8,241.34	2,069.40	1,632.91	436.48	4.741		
15,700.00	7,705.00	15,637.91	7,705.00	221.32	221.03	-89.97	689.22	8,341.33	2,069.49	1,627.67	441.83	4.684		
15,800.00	7,705.00	15,737.91	7,705.00	223.99	223.70	-89.97	687.91	8,441.32	2,069.59	1,622.42	447.17	4.628		
15,900.00	7,705.00	15,837.91	7,705.00	226.66	226.37	-89.97	686.60	8,541.31	2,069.69	1,617.16	452.52	4.574		
16,000.00	7,705.00	15,937.91	7,705.00	229.33	229.05	-89.97	685.30	8,641.31	2,069.78	1,611.91	457.87	4.520		
16,100.00	7,705.00	16,037.91	7,705.00	232.00	231.72	-89.97	683.99	8,741.30	2,069.88	1,606.66	463.22	4.468		
16,200.00	7,705.00	16,137.91	7,705.00	234.67	234.40	-89.97	682.68	8,841.29	2,069.98	1,601.40	468.57	4.418		
16,300.00	7,705.00	16,237.91	7,705.00	237.34	237.07	-89.97	681.37	8,941.28	2,070.07	1,596.15	473.92	4.368		
16,400.00	7,705.00	16,337.91	7,705.00	240.01	239.75	-89.97	680.06	9,041.27	2,070.17	1,590.89	479.28	4.319		
16,500.00	7,705.00	16,437.91	7,705.00	242.69	242.42	-89.97	678.75	9,141.26	2,070.26	1,585.63	484.63	4.272		
16,600.00	7,705.00	16,537.91	7,705.00	245.36	245.10	-89.97	677.44	9,241.25	2,070.36	1,580.38	489.99	4.225		
16,700.00	7,705.00	16,637.91	7,705.00	248.03	247.78	-89.97	676.13	9,341.24	2,070.46	1,575.12	495.34	4.180		
16,800.00	7,705.00	16,737.91	7,705.00	250.71	250.45	-89.97	674.82	9,441.24	2,070.55	1,569.86	500.70	4.135		
16,900.00	7,705.00	16,837.91	7,705.00	253.38	253.13	-89.97	673.51	9,541.23	2,070.65	1,564.60	506.05	4.092		
17,000.00	7,705.00	16,937.91	7,705.00	256.06	255.81	-89.97	672.20	9,641.22	2,070.75	1,559.33	511.41	4.049		
17,100.00	7,705.00	17,037.91	7,705.00	258.73	258.49	-89.97	670.89	9,741.21	2,070.84	1,554.07	516.77	4.007		
17,200.00	7,705.00	17,137.91	7,705.00	261.41	261.17	-89.97	669.58	9,841.20	2,070.94	1,548.81	522.13	3.966		
17,300.00	7,705.00	17,237.91	7,705.00	264.08	263.84	-89.97	668.27	9,941.19	2,071.04	1,543.55	527.49	3.926		
17,400.00	7,705.00	17,337.91	7,705.00	266.76	266.52	-89.97	666.96	10,041.18	2,071.13	1,538.28	532.85	3.887		
17,500.00	7,705.00	17,437.91	7,705.00	269.44	269.20	-89.97	665.65	10,141.18	2,071.23	1,533.02	538.21	3.848		
17,600.00	7,705.00	17,537.91	7,705.00	272.11	271.88	-89.97	664.34	10,241.17	2,071.33	1,527.75	543.57	3.811		
17,700.00	7,705.00	17,637.91	7,705.00	274.79	274.56	-89.97	663.03	10,341.16	2,071.42	1,522.49	548.94	3.774		
17,800.00	7,705.00	17,737.91	7,705.00	277.47	277.25	-89.97	661.72	10,441.15	2,071.52	1,517.22	554.30	3.737		
17,900.00	7,705.00	17,837.91	7,705.00	280.15	279.93	-89.97	660.41	10,541.14	2,071.62	1,511.95	559.66	3.702		
18,000.00	7,705.00	17,937.91	7,705.00	282.83	282.61	-89.97	659.10	10,641.13	2,071.71	1,506.69	565.03	3.667		
18,062.20	7,705.00	17,972.40	7,705.00	284.49	283.53	-89.97	658.65	10,675.61	2,071.96	1,504.47	567.49	3.651 SF		

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROSPER FARMS 4-65 11-12 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5708.00usft
<b>Reference Site:</b>	SEC 10-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5708.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROSPER FARMS 4-65 11-12 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 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	1.00	-1.00	0.00	0.00	-179.20	-20.03	-0.28	20.04					
100.00	100.00	99.00	99.00	0.13	0.13	-179.20	-20.03	-0.28	20.04	19.77	0.27	74.901	CC, ES	
200.00	200.00	198.28	198.26	0.49	0.48	-179.73	-21.71	-0.10	21.72	20.75	0.98	22.231		
300.00	299.98	297.41	297.26	0.84	0.84	8.67	-26.80	0.44	25.13	23.46	1.67	15.028		
400.00	399.84	396.43	395.90	1.19	1.20	8.53	-35.27	1.34	28.53	26.17	2.37	12.055		
500.00	499.45	495.34	494.08	1.55	1.60	8.74	-47.12	2.60	31.92	28.85	3.07	10.389		
600.00	598.70	594.13	591.68	1.94	2.02	9.21	-62.30	4.22	35.29	31.50	3.79	9.322		
700.00	697.47	692.81	688.58	2.36	2.47	9.86	-80.81	6.19	38.65	34.14	4.51	8.574		
800.00	795.94	791.28	784.59	2.80	2.96	10.25	-102.57	8.50	43.66	38.42	5.24	8.337		
900.00	894.41	909.43	880.81	3.24	3.58	10.18	-126.95	11.10	51.19	45.13	6.06	8.443		
1,000.00	992.89	1,009.72	977.40	3.70	4.12	10.12	-151.56	13.72	58.85	52.02	6.83	8.620		
1,100.00	1,091.36	1,089.99	1,073.98	4.15	4.55	10.07	-176.16	16.34	66.50	58.99	7.52	8.847		
1,200.00	1,189.83	1,189.69	1,170.57	4.61	5.09	10.04	-200.77	18.96	74.16	65.88	8.29	8.950		
1,300.00	1,288.31	1,289.40	1,267.16	5.07	5.64	10.01	-225.38	21.58	81.82	72.76	9.06	9.033		
1,400.00	1,386.78	1,389.11	1,363.74	5.53	6.18	9.98	-249.99	24.20	89.48	79.65	9.83	9.102		
1,500.00	1,485.26	1,488.81	1,460.33	5.99	6.73	9.96	-274.60	26.82	97.14	86.53	10.61	9.159		
1,600.00	1,583.73	1,588.52	1,556.92	6.45	7.28	9.94	-299.20	29.44	104.79	93.41	11.38	9.208		
1,700.00	1,682.20	1,688.23	1,653.50	6.92	7.83	9.92	-323.81	32.06	112.45	100.30	12.16	9.251		
1,800.00	1,780.68	1,787.93	1,750.09	7.38	8.38	9.91	-348.42	34.68	120.11	107.18	12.93	9.287		
1,900.00	1,879.15	1,887.64	1,846.68	7.85	8.93	9.90	-373.03	37.30	127.77	114.06	13.71	9.319		
2,000.00	1,977.63	1,987.34	1,943.26	8.31	9.48	9.89	-397.63	39.92	135.43	120.94	14.49	9.348		
2,100.00	2,076.10	2,087.05	2,039.85	8.78	10.04	9.88	-422.24	42.54	143.09	127.82	15.27	9.373		
2,200.00	2,174.57	2,186.76	2,136.44	9.24	10.59	9.87	-446.85	45.16	150.74	134.70	16.04	9.396		
2,300.00	2,273.05	2,286.46	2,233.02	9.71	11.14	9.86	-471.46	47.78	158.40	141.58	16.82	9.416		
2,400.00	2,371.52	2,386.17	2,329.61	10.17	11.69	9.85	-496.07	50.39	166.06	148.46	17.60	9.435		
2,500.00	2,470.00	2,485.88	2,426.19	10.64	12.25	9.85	-520.67	53.01	173.72	155.34	18.38	9.451		
2,600.00	2,568.47	2,585.58	2,522.78	11.11	12.80	9.84	-545.28	55.63	181.38	162.22	19.16	9.467		
2,700.00	2,666.94	2,685.29	2,619.37	11.57	13.35	9.83	-569.89	58.25	189.03	169.10	19.94	9.481		
2,800.00	2,765.42	2,785.00	2,715.95	12.04	13.91	9.83	-594.50	60.87	196.69	175.97	20.72	9.494		
2,900.00	2,863.89	2,884.70	2,812.54	12.51	14.46	9.83	-619.10	63.49	204.35	182.85	21.50	9.506		
3,000.00	2,962.37	2,984.41	2,909.13	12.97	15.02	9.82	-643.71	66.11	212.01	189.73	22.28	9.517		
3,100.00	3,060.84	3,084.11	3,005.71	13.44	15.57	9.82	-668.32	68.73	219.67	196.61	23.06	9.527		
3,200.00	3,159.31	3,183.82	3,102.30	13.91	16.12	9.81	-692.93	71.35	227.33	203.49	23.84	9.537		
3,300.00	3,257.79	3,283.53	3,198.89	14.37	16.68	9.81	-717.53	73.97	234.98	210.37	24.62	9.546		
3,400.00	3,356.26	3,383.23	3,295.47	14.84	17.23	9.81	-742.14	76.59	242.64	217.25	25.40	9.554		
3,500.00	3,454.73	3,482.94	3,392.06	15.31	17.79	9.80	-766.75	79.21	250.30	224.12	26.18	9.562		
3,600.00	3,553.21	3,582.65	3,488.65	15.77	18.34	9.80	-791.36	81.83	257.96	231.00	26.96	9.569		
3,700.00	3,651.68	3,682.35	3,585.23	16.24	18.90	9.80	-815.97	84.45	265.62	237.88	27.74	9.576		
3,800.00	3,750.16	3,782.06	3,681.82	16.71	19.45	9.79	-840.57	87.07	273.28	244.76	28.52	9.582		
3,900.00	3,848.63	3,881.76	3,778.41	17.18	20.00	9.79	-865.18	89.69	280.93	251.63	29.30	9.589		
4,000.00	3,947.10	3,981.47	3,874.99	17.64	20.56	9.79	-889.79	92.31	288.59	258.51	30.08	9.594		
4,100.00	4,045.58	4,081.18	3,971.58	18.11	21.11	9.79	-914.40	94.93	296.25	265.39	30.86	9.600		
4,200.00	4,144.05	4,180.88	4,068.16	18.58	21.67	9.79	-939.00	97.55	303.91	272.27	31.64	9.605		
4,300.00	4,242.53	4,280.59	4,164.75	19.04	22.22	9.78	-963.61	100.17	311.57	279.15	32.42	9.610		
4,400.00	4,341.00	4,380.30	4,261.34	19.51	22.78	9.78	-988.22	102.79	319.22	286.02	33.20	9.615		
4,500.00	4,439.47	4,480.00	4,357.92	19.98	23.33	9.78	-1,012.83	105.41	326.88	292.90	33.98	9.619		
4,600.00	4,537.95	4,579.71	4,454.51	20.45	23.89	9.78	-1,037.43	108.03	334.54	299.78	34.76	9.624		
4,700.00	4,636.42	4,679.42	4,551.10	20.91	24.44	9.78	-1,062.04	110.65	342.20	306.66	35.54	9.628		
4,800.00	4,734.90	4,779.12	4,647.68	21.38	25.00	9.78	-1,086.65	113.27	349.86	313.53	36.32	9.632		
4,900.00	4,833.37	4,878.83	4,744.27	21.85	25.55	9.77	-1,111.26	115.89	357.52	320.41	37.10	9.635		
5,000.00	4,931.84	4,978.53	4,840.86	22.32	26.11	9.77	-1,135.87	118.51	365.17	327.29	37.89	9.639		
5,100.00	5,030.32	5,078.24	4,937.44	22.78	26.66	9.77	-1,160.47	121.13	372.83	334.17	38.67	9.642		

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



# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROSPER FARMS 4-65 11-12 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5708.00usft
<b>Reference Site:</b>	SEC 10-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5708.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROSPER FARMS 4-65 11-12 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 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	5,128.79	5,177.95	5,034.03	23.25	27.22	9.77	-1,185.08	123.74	380.49	341.04	39.45	9.646		
5,300.00	5,227.27	5,277.65	5,130.62	23.72	27.77	9.77	-1,209.69	126.36	388.15	347.92	40.23	9.649		
5,400.00	5,325.74	5,377.36	5,227.20	24.19	28.33	9.77	-1,234.30	128.98	395.81	354.80	41.01	9.652		
5,500.00	5,424.21	5,477.07	5,323.79	24.65	28.88	9.77	-1,258.90	131.60	403.47	361.68	41.79	9.655		
5,600.00	5,522.69	5,576.77	5,420.38	25.12	29.44	9.76	-1,283.51	134.22	411.12	368.55	42.57	9.657		
5,700.00	5,621.16	5,676.48	5,516.96	25.59	29.99	9.76	-1,308.12	136.84	418.78	375.43	43.35	9.660		
5,800.00	5,719.63	5,776.19	5,613.55	26.06	30.55	9.76	-1,332.73	139.46	426.44	382.31	44.13	9.663		
5,900.00	5,818.11	5,875.89	5,710.14	26.52	31.10	9.76	-1,357.33	142.08	434.10	389.18	44.91	9.665		
6,000.00	5,916.58	5,975.60	5,806.72	26.99	31.66	9.76	-1,381.94	144.70	441.76	396.06	45.69	9.668		
6,100.00	6,015.06	6,075.30	5,903.31	27.46	32.21	9.76	-1,406.55	147.32	449.41	402.94	46.48	9.670		
6,200.00	6,113.53	6,175.01	5,999.89	27.93	32.77	9.76	-1,431.16	149.94	457.07	409.82	47.26	9.672		
6,300.00	6,212.00	6,274.72	6,096.48	28.39	33.32	9.76	-1,455.77	152.56	464.73	416.69	48.04	9.674		
6,400.00	6,310.48	6,374.42	6,193.07	28.86	33.88	9.76	-1,480.37	155.18	472.39	423.57	48.82	9.676		
6,500.00	6,408.95	6,474.13	6,289.65	29.33	34.43	9.76	-1,504.98	157.80	480.05	430.45	49.60	9.678		
6,600.00	6,507.43	6,573.84	6,386.24	29.80	34.99	9.76	-1,529.59	160.42	487.71	437.32	50.38	9.680		
6,700.00	6,605.90	6,673.54	6,482.83	30.26	35.54	9.75	-1,554.20	163.04	495.36	444.20	51.16	9.682		
6,800.00	6,704.37	6,773.25	6,579.41	30.73	36.10	9.75	-1,578.80	165.66	503.02	451.08	51.94	9.684		
6,900.00	6,802.85	6,872.95	6,676.00	31.20	36.65	9.75	-1,603.41	168.28	510.68	457.96	52.72	9.686		
7,000.00	6,901.32	6,972.66	6,772.59	31.67	37.21	9.75	-1,628.02	170.90	518.34	464.83	53.51	9.687		
7,100.00	6,999.80	7,072.37	6,869.17	32.13	37.76	9.75	-1,652.63	173.52	526.00	471.71	54.29	9.689		
7,200.00	7,098.27	7,172.07	6,965.76	32.60	38.32	9.75	-1,677.24	176.14	533.66	478.59	55.07	9.691		
7,300.00	7,196.67	7,271.75	7,062.31	33.07	38.88	29.61	-1,701.83	178.76	541.31	485.45	55.86	9.690		
7,400.00	7,293.35	7,370.10	7,157.59	33.55	39.42	57.95	-1,726.11	181.34	549.14	492.32	56.82	9.665		
7,500.00	7,385.39	7,471.78	7,255.48	34.03	39.99	70.63	-1,751.16	191.49	557.74	499.71	58.03	9.612		
7,600.00	7,469.98	7,579.04	7,355.09	34.50	40.59	77.65	-1,776.91	221.27	566.80	507.41	59.39	9.544		
7,700.00	7,544.57	7,692.12	7,452.26	34.98	41.20	82.22	-1,802.36	272.80	575.83	515.04	60.79	9.472		
7,800.00	7,606.88	7,811.30	7,541.89	35.47	41.83	85.45	-1,826.21	347.29	584.24	522.10	62.14	9.402		
7,900.00	7,655.02	7,936.39	7,617.73	36.01	42.47	87.74	-1,846.87	444.28	591.36	527.95	63.41	9.326		
8,000.00	7,687.53	8,066.56	7,673.01	36.62	43.15	89.24	-1,862.57	560.77	596.54	531.85	64.69	9.221		
8,100.00	7,703.42	8,200.23	7,701.78	37.33	43.90	90.00	-1,871.72	690.67	599.27	533.10	66.17	9.056		
8,200.00	7,705.00	8,316.22	7,705.00	38.17	44.62	90.10	-1,874.17	806.52	599.61	531.25	68.35	8.772		
8,300.00	7,705.00	8,416.22	7,705.00	39.18	45.36	90.10	-1,875.58	906.51	599.61	528.45	71.16	8.427		
8,400.00	7,705.00	8,516.22	7,705.00	40.36	46.24	90.10	-1,876.99	1,006.50	599.61	525.36	74.25	8.076		
8,500.00	7,705.00	8,616.22	7,705.00	41.72	47.25	90.10	-1,878.40	1,106.49	599.62	522.02	77.59	7.728		
8,600.00	7,705.00	8,716.22	7,705.00	43.23	48.41	90.10	-1,879.81	1,206.48	599.62	518.46	81.16	7.388		
8,700.00	7,705.00	8,816.22	7,705.00	44.87	49.72	90.10	-1,881.22	1,306.47	599.62	514.71	84.91	7.062		
8,800.00	7,705.00	8,916.22	7,705.00	46.63	51.15	90.10	-1,882.63	1,406.46	599.62	510.78	88.84	6.750		
8,900.00	7,705.00	9,016.22	7,705.00	48.49	52.72	90.10	-1,884.04	1,506.45	599.63	506.71	92.91	6.454		
9,000.00	7,705.00	9,116.22	7,705.00	50.44	54.39	90.10	-1,885.45	1,606.44	599.63	502.52	97.11	6.175		
9,100.00	7,705.00	9,216.22	7,705.00	52.47	56.17	90.10	-1,886.86	1,706.43	599.63	498.20	101.43	5.912		
9,200.00	7,705.00	9,316.22	7,705.00	54.56	58.03	90.10	-1,888.26	1,806.42	599.64	493.79	105.84	5.665		
9,300.00	7,705.00	9,416.22	7,705.00	56.71	59.98	90.10	-1,889.67	1,906.41	599.64	489.30	110.34	5.434		
9,400.00	7,705.00	9,516.22	7,705.00	58.91	61.99	90.10	-1,891.08	2,006.40	599.64	484.72	114.92	5.218		
9,500.00	7,705.00	9,616.22	7,705.00	61.15	64.07	90.10	-1,892.49	2,106.39	599.64	480.08	119.56	5.015		
9,600.00	7,705.00	9,716.22	7,705.00	63.43	66.20	90.10	-1,893.90	2,206.38	599.65	475.38	124.27	4.825		
9,700.00	7,705.00	9,816.22	7,705.00	65.74	68.38	90.10	-1,895.31	2,306.37	599.65	470.62	129.03	4.647		
9,800.00	7,705.00	9,916.22	7,705.00	68.09	70.60	90.10	-1,896.72	2,406.36	599.65	465.82	133.84	4.481		
9,900.00	7,705.00	10,016.22	7,705.00	70.46	72.85	90.10	-1,898.13	2,506.35	599.66	460.97	138.69	4.324		
10,000.00	7,705.00	10,116.22	7,705.00	72.85	75.15	90.10	-1,899.54	2,606.34	599.66	456.08	143.58	4.177		
10,100.00	7,705.00	10,216.22	7,705.00	75.27	77.47	90.10	-1,900.95	2,706.33	599.66	451.16	148.50	4.038		
10,200.00	7,705.00	10,316.22	7,705.00	77.71	79.81	90.10	-1,902.35	2,806.32	599.66	446.21	153.45	3.908		
10,300.00	7,705.00	10,416.22	7,705.00	80.16	82.19	90.10	-1,903.76	2,906.31	599.67	441.23	158.44	3.785		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROSPER FARMS 4-65 11-12 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5708.00usft
<b>Reference Site:</b>	SEC 10-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5708.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROSPER FARMS 4-65 11-12 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 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	10,516.22	7,705.00	82.63	84.58	90.10	-1,905.17	3,006.30	599.67	436.22	163.45	3.669		
10,500.00	7,705.00	10,616.22	7,705.00	85.11	86.99	90.10	-1,906.58	3,106.29	599.67	431.19	168.48	3.559		
10,600.00	7,705.00	10,716.22	7,705.00	87.61	89.42	90.10	-1,907.99	3,206.28	599.67	426.14	173.54	3.456		
10,700.00	7,705.00	10,816.22	7,705.00	90.12	91.87	90.10	-1,909.40	3,306.27	599.68	421.07	178.61	3.357		
10,800.00	7,705.00	10,916.22	7,705.00	92.64	94.33	90.10	-1,910.81	3,406.26	599.68	415.98	183.70	3.264		
10,900.00	7,705.00	11,016.22	7,705.00	95.17	96.81	90.10	-1,912.22	3,506.25	599.68	410.87	188.81	3.176		
11,000.00	7,705.00	11,116.22	7,705.00	97.71	99.30	90.10	-1,913.63	3,606.24	599.69	405.75	193.94	3.092		
11,100.00	7,705.00	11,216.22	7,705.00	100.25	101.80	90.10	-1,915.04	3,706.23	599.69	400.61	199.08	3.012		
11,200.00	7,705.00	11,316.22	7,705.00	102.81	104.31	90.10	-1,916.44	3,806.22	599.69	395.46	204.23	2.936		
11,300.00	7,705.00	11,416.22	7,705.00	105.37	106.83	90.10	-1,917.85	3,906.21	599.69	390.30	209.39	2.864		
11,400.00	7,705.00	11,516.22	7,705.00	107.94	109.36	90.10	-1,919.26	4,006.20	599.70	385.13	214.57	2.795		
11,500.00	7,705.00	11,616.22	7,705.00	110.52	111.90	90.10	-1,920.67	4,106.19	599.70	379.95	219.75	2.729		
11,600.00	7,705.00	11,716.22	7,705.00	113.10	114.44	90.10	-1,922.08	4,206.18	599.70	374.75	224.95	2.666		
11,700.00	7,705.00	11,816.22	7,705.00	115.68	116.99	90.10	-1,923.49	4,306.17	599.71	369.55	230.15	2.606		
11,800.00	7,705.00	11,916.22	7,705.00	118.27	119.55	90.10	-1,924.90	4,406.16	599.71	364.34	235.37	2.548		
11,900.00	7,705.00	12,016.22	7,705.00	120.87	122.12	90.10	-1,926.31	4,506.15	599.71	359.12	240.59	2.493		
12,000.00	7,705.00	12,116.22	7,705.00	123.47	124.69	90.10	-1,927.72	4,606.14	599.71	353.90	245.82	2.440		
12,100.00	7,705.00	12,216.22	7,705.00	126.08	127.26	90.10	-1,929.13	4,706.13	599.72	348.67	251.05	2.389		
12,200.00	7,705.00	12,316.22	7,705.00	128.68	129.85	90.10	-1,930.53	4,806.12	599.72	343.43	256.29	2.340		
12,300.00	7,705.00	12,416.22	7,705.00	131.30	132.43	90.10	-1,931.94	4,906.11	599.72	338.18	261.54	2.293		
12,400.00	7,705.00	12,516.22	7,705.00	133.91	135.02	90.10	-1,933.35	5,006.10	599.73	332.93	266.80	2.248		
12,500.00	7,705.00	12,616.22	7,705.00	136.53	137.62	90.10	-1,934.76	5,106.09	599.73	327.67	272.05	2.204		
12,600.00	7,705.00	12,716.22	7,705.00	139.15	140.22	90.10	-1,936.17	5,206.08	599.73	322.41	277.32	2.163		
12,700.00	7,705.00	12,816.22	7,705.00	141.78	142.82	90.10	-1,937.58	5,306.07	599.73	317.15	282.59	2.122		
12,800.00	7,705.00	12,916.22	7,705.00	144.40	145.43	90.10	-1,938.99	5,406.06	599.74	311.88	287.86	2.083		
12,900.00	7,705.00	13,016.22	7,705.00	147.03	148.04	90.10	-1,940.40	5,506.05	599.74	306.60	293.14	2.046		
13,000.00	7,705.00	13,116.22	7,705.00	149.67	150.65	90.10	-1,941.81	5,606.04	599.74	301.32	298.42	2.010		
13,100.00	7,705.00	13,216.22	7,705.00	152.30	153.27	90.10	-1,943.22	5,706.03	599.75	296.04	303.71	1.975		
13,200.00	7,705.00	13,316.22	7,705.00	154.94	155.88	90.10	-1,944.62	5,806.02	599.75	290.75	309.00	1.941		
13,300.00	7,705.00	13,416.22	7,705.00	157.58	158.51	90.10	-1,946.03	5,906.01	599.75	285.46	314.29	1.908		
13,400.00	7,705.00	13,516.22	7,705.00	160.22	161.13	90.10	-1,947.44	6,006.00	599.75	280.17	319.59	1.877		
13,500.00	7,705.00	13,616.22	7,705.00	162.86	163.76	90.10	-1,948.85	6,105.99	599.76	274.87	324.89	1.846		
13,600.00	7,705.00	13,716.22	7,705.00	165.50	166.38	90.10	-1,950.26	6,205.98	599.76	269.57	330.19	1.816		
13,700.00	7,705.00	13,816.22	7,705.00	168.15	169.02	90.10	-1,951.67	6,305.97	599.76	264.27	335.49	1.788		
13,800.00	7,705.00	13,916.22	7,705.00	170.80	171.65	90.10	-1,953.08	6,405.96	599.77	258.96	340.80	1.760		
13,900.00	7,705.00	14,016.22	7,705.00	173.44	174.28	90.10	-1,954.49	6,505.95	599.77	253.66	346.11	1.733		
14,000.00	7,705.00	14,116.22	7,705.00	176.10	176.92	90.10	-1,955.90	6,605.94	599.77	248.35	351.43	1.707		
14,100.00	7,705.00	14,216.22	7,705.00	178.75	179.56	90.10	-1,957.31	6,705.93	599.77	243.03	356.74	1.681		
14,200.00	7,705.00	14,316.22	7,705.00	181.40	182.20	90.10	-1,958.71	6,805.92	599.78	237.72	362.06	1.657		
14,300.00	7,705.00	14,416.22	7,705.00	184.05	184.84	90.10	-1,960.12	6,905.91	599.78	232.40	367.38	1.633		
14,400.00	7,705.00	14,516.22	7,705.00	186.71	187.48	90.10	-1,961.53	7,005.90	599.78	227.08	372.70	1.609		
14,500.00	7,705.00	14,616.22	7,705.00	189.37	190.13	90.10	-1,962.94	7,105.90	599.79	221.76	378.03	1.587		
14,600.00	7,705.00	14,716.22	7,705.00	192.02	192.78	90.10	-1,964.35	7,205.89	599.79	216.44	383.35	1.565		
14,700.00	7,705.00	14,816.22	7,705.00	194.68	195.42	90.10	-1,965.76	7,305.88	599.79	211.11	388.68	1.543		
14,800.00	7,705.00	14,916.22	7,705.00	197.34	198.07	90.10	-1,967.17	7,405.87	599.79	205.78	394.01	1.522		
14,900.00	7,705.00	15,016.22	7,705.00	200.00	200.72	90.10	-1,968.58	7,505.86	599.80	200.46	399.34	1.502		
15,000.00	7,705.00	15,116.22	7,705.00	202.67	203.38	90.10	-1,969.99	7,605.85	599.80	195.13	404.67	1.482 Level 3		
15,100.00	7,705.00	15,216.22	7,705.00	205.33	206.03	90.10	-1,971.40	7,705.84	599.80	189.79	410.01	1.463 Level 3		
15,200.00	7,705.00	15,316.22	7,705.00	207.99	208.68	90.10	-1,972.80	7,805.83	599.81	184.46	415.34	1.444 Level 3		
15,300.00	7,705.00	15,416.22	7,705.00	210.66	211.34	90.10	-1,974.21	7,905.82	599.81	179.13	420.68	1.426 Level 3		
15,400.00	7,705.00	15,516.22	7,705.00	213.32	213.99	90.10	-1,975.62	8,005.81	599.81	173.79	426.02	1.408 Level 3		
15,500.00	7,705.00	15,616.22	7,705.00	215.99	216.65	90.10	-1,977.03	8,105.80	599.81	168.45	431.36	1.391 Level 3		

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

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROSPER FARMS 4-65 11-12 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5708.00usft
<b>Reference Site:</b>	SEC 10-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5708.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROSPER FARMS 4-65 11-12 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

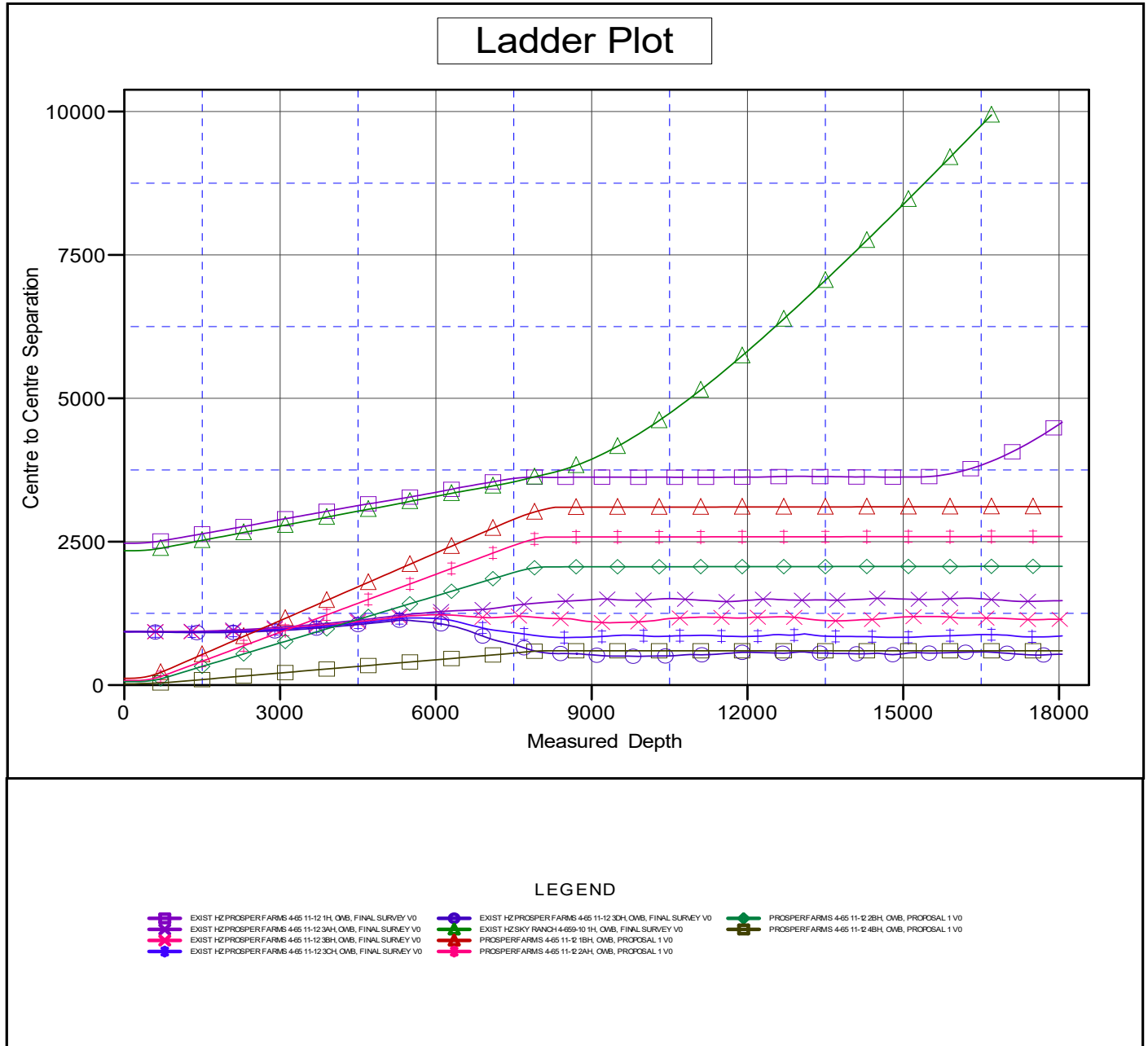
Offset Design SEC 10-T4S-R65W - PROSPER FARMS 4-65 11-12 4BH - OWB - PROPOSAL 1												Offset Site Error: 0.00 usft	
Survey Program: 0-MWD OWSG												Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis			Distance					Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured 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	15,716.22	7,705.00	218.66	219.31	90.10	-1,978.44	8,205.79	599.82	163.11	436.70	1.374 Level 3	
15,700.00	7,705.00	15,816.22	7,705.00	221.32	221.97	90.10	-1,979.85	8,305.78	599.82	157.77	442.04	1.357 Level 3	
15,800.00	7,705.00	15,916.22	7,705.00	223.99	224.63	90.10	-1,981.26	8,405.77	599.82	152.43	447.39	1.341 Level 3	
15,900.00	7,705.00	16,016.22	7,705.00	226.66	227.29	90.10	-1,982.67	8,505.76	599.83	147.09	452.73	1.325 Level 3	
16,000.00	7,705.00	16,116.22	7,705.00	229.33	229.95	90.10	-1,984.08	8,605.75	599.83	141.75	458.08	1.309 Level 3	
16,100.00	7,705.00	16,216.22	7,705.00	232.00	232.61	90.10	-1,985.49	8,705.74	599.83	136.40	463.43	1.294 Level 3	
16,200.00	7,705.00	16,316.22	7,705.00	234.67	235.28	90.10	-1,986.89	8,805.73	599.83	131.06	468.78	1.280 Level 3	
16,300.00	7,705.00	16,416.22	7,705.00	237.34	237.94	90.10	-1,988.30	8,905.72	599.84	125.71	474.12	1.265 Level 3	
16,400.00	7,705.00	16,516.22	7,705.00	240.01	240.61	90.10	-1,989.71	9,005.71	599.84	120.36	479.47	1.251 Level 3	
16,500.00	7,705.00	16,616.22	7,705.00	242.69	243.27	90.10	-1,991.12	9,105.70	599.84	115.02	484.83	1.237 Level 2	
16,600.00	7,705.00	16,716.22	7,705.00	245.36	245.94	90.10	-1,992.53	9,205.69	599.85	109.67	490.18	1.224 Level 2	
16,700.00	7,705.00	16,816.22	7,705.00	248.03	248.61	90.10	-1,993.94	9,305.68	599.85	104.32	495.53	1.211 Level 2	
16,800.00	7,705.00	16,916.22	7,705.00	250.71	251.27	90.10	-1,995.35	9,405.67	599.85	98.97	500.88	1.198 Level 2	
16,900.00	7,705.00	17,016.22	7,705.00	253.38	253.94	90.10	-1,996.76	9,505.66	599.85	93.61	506.24	1.185 Level 2	
17,000.00	7,705.00	17,116.22	7,705.00	256.06	256.61	90.10	-1,998.17	9,605.65	599.86	88.26	511.59	1.173 Level 2	
17,100.00	7,705.00	17,216.22	7,705.00	258.73	259.28	90.10	-1,999.58	9,705.64	599.86	82.91	516.95	1.160 Level 2	
17,200.00	7,705.00	17,316.22	7,705.00	261.41	261.95	90.10	-2,000.99	9,805.63	599.86	77.55	522.31	1.148 Level 2	
17,300.00	7,705.00	17,416.22	7,705.00	264.08	264.62	90.10	-2,002.39	9,905.62	599.87	72.20	527.66	1.137 Level 2	
17,400.00	7,705.00	17,516.22	7,705.00	266.76	267.29	90.10	-2,003.80	10,005.61	599.87	66.84	533.02	1.125 Level 2	
17,500.00	7,705.00	17,616.22	7,705.00	269.44	269.96	90.10	-2,005.21	10,105.60	599.87	61.49	538.38	1.114 Level 2	
17,600.00	7,705.00	17,716.22	7,705.00	272.11	272.63	90.10	-2,006.62	10,205.59	599.87	56.13	543.74	1.103 Level 2	
17,700.00	7,705.00	17,816.22	7,705.00	274.79	275.31	90.10	-2,008.03	10,305.58	599.88	50.77	549.10	1.092 Level 2	
17,800.00	7,705.00	17,916.22	7,705.00	277.47	277.98	90.10	-2,009.44	10,405.57	599.88	45.42	554.46	1.082 Level 2	
17,900.00	7,705.00	18,016.22	7,705.00	280.15	280.65	90.10	-2,010.85	10,505.56	599.88	40.06	559.82	1.072 Level 2	
18,000.00	7,705.00	18,116.22	7,705.00	282.83	283.33	90.10	-2,012.26	10,605.55	599.88	34.70	565.19	1.061 Level 2	
18,062.20	7,705.00	18,178.42	7,705.00	284.49	284.99	90.10	-2,013.13	10,667.75	599.89	31.36	568.52	1.055 Level 2, SF	

# Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROSPER FARMS 4-65 11-12 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5708.00usft
<b>Reference Site:</b>	SEC 10-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5708.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROSPER FARMS 4-65 11-12 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Reference Depths are relative to KB 25' @ 5708.00usft  
Offset Depths are relative to Offset Datum  
Central Meridian is 105.500000°W

Coordinates are relative to: PROSPER FARMS 4-65 11-12 4AH  
Coordinate System is US State Plane 1983, Colorado Central Zone  
Grid Convergence at Surface is: 0.54°



## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROSPER FARMS 4-65 11-12 4AH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5708.00usft
<b>Reference Site:</b>	SEC 10-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5708.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	PROSPER FARMS 4-65 11-12 4AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Reference Depths are relative to KB 25' @ 5708.00usft  
Offset Depths are relative to Offset Datum  
Central Meridian is 105.500000°W

Coordinates are relative to: PROSPER FARMS 4-65 11-12 4AH  
Coordinate System is US State Plane 1983, Colorado Central Zone  
Grid Convergence at Surface is: 0.54°

