

CRESTONE PEAK RESOURCES

ARAPAHOE COUNTY

SEC 15-T4S-R65W

PROSPER FARMS 4-65 14-13 4AH

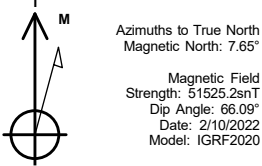
OWB

Plan: PROPOSAL 1

Standard Planning Report

11 February, 2022

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



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

+N/-S	+E/-W	Northing	Easting	5693.30 Latitude	Longitude	Slot
0.00	0.00	1683255.23	3241110.89	39.706215°N	104.643032°W	

ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect	Departure	Annotation
250.00	0.00	0.00	250.00	0.00	0.00	0.00	0.00	Start Build 2.00
1235.78	19.72	171.19	1216.44	-165.96	25.72	64.31	167.94	Start 6531.19 hold at 1235.78 MD
7766.97	19.72	171.19	7364.76	-2343.29	363.11	908.03	2371.25	Start DLS 10.00 TFO -81.08
8635.17	90.00	90.65	7875.00	-2530.17	933.08	1506.05	2998.94	Start 9905.26 hold at 8635.17 MD
18540.44	90.00	90.65	7875.00	-2643.37	10837.70	11155.41	12904.21	TD at 18540.44

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	250.00	0.00	0.00	250.00	0.00	0.00	0.00	0.00	0.00	
3	1235.78	19.72	171.19	1216.44	-165.96	25.72	2.00	171.19	64.31	
4	7766.97	19.72	171.19	7364.76	-2343.29	363.11	0.00	0.00	908.03	
5	8635.17	90.00	90.65	7875.00	-2530.17	933.08	10.00	-81.08	1506.05	LP-PF 4-65
6	18540.44	90.00	90.65	7875.00	-2643.37	10837.70	0.00	0.00	11155.41	PBHL-PF 4

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
LP-PF 4-65 4AH - plan hits target center	7875.00	-2530.17	933.08	1680733.99	3242067.79	39.699269°N	104.639716°W	Point
PBHL-PF 4-65 4AH - plan hits target center	7875.00	-2643.37	10837.70	1680714.24	3251972.95	39.698952°N	104.604517°W	Point

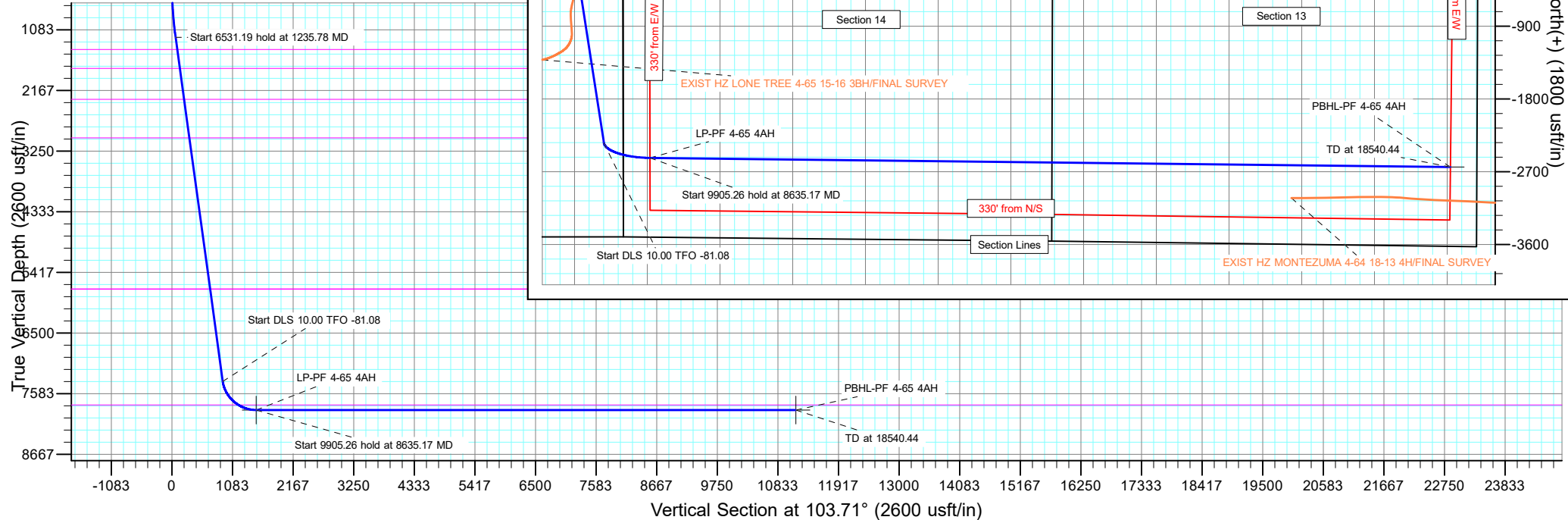
PROJECT DETAILS: ARAPAHOE COUNTY

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

SHL:
1794' FNL, 600' FEL
Sec 15-T4S-R65W

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

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



Planning Report

Database:	EDT_32Bit_ODBC	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Company:	CRESTONE PEAK RESOURCES	TVD Reference:	KB 25' @ 5718.30usft
Project:	ARAPAHOE COUNTY	MD Reference:	KB 25' @ 5718.30usft
Site:	SEC 15-T4S-R65W	North Reference:	True
Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PROPOSAL 1		

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

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

Well	PROSPER FARMS 4-65 14-13 4AH			
Well Position	+N/-S	-1,800.58 usft	Northing:	1,683,255.23 usft
	+E/-W	-597.05 usft	Easting:	3,241,110.89 usft
Position Uncertainty		0.00 usft	Wellhead Elevation:	
			Ground Level:	5,693.30 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	2/10/2022	7.65	66.09	51,525.20701522

Design	PROPOSAL 1			
Audit Notes:				
Version:		Phase:	PROTOTYPE	Tie On Depth: 0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	103.71

Plan Survey Tool Program	Date	2/11/2022		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	18,540.44	PROPOSAL 1 (OWB)	MWD OWSG
				OWSG MWD - Standard

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
250.00	0.00	0.00	250.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,235.78	19.72	171.19	1,216.44	-165.96	25.72	2.00	2.00	0.00	171.19	
7,766.97	19.72	171.19	7,364.76	-2,343.29	363.11	0.00	0.00	0.00	0.00	
8,635.17	90.00	90.65	7,875.00	-2,530.17	933.08	10.00	8.10	-9.28	-81.08	LP-PF 4-65 4AH
18,540.44	90.00	90.65	7,875.00	-2,643.37	10,837.70	0.00	0.00	0.00	0.00	PBHL-PF 4-65 4AH

Planning Report

Database:	EDT_32Bit_ODBC	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Company:	CRESTONE PEAK RESOURCES	TVD Reference:	KB 25' @ 5718.30usft
Project:	ARAPAHOE COUNTY	MD Reference:	KB 25' @ 5718.30usft
Site:	SEC 15-T4S-R65W	North Reference:	True
Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PROPOSAL 1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
250.00	0.00	0.00	250.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 2.00									
300.00	1.00	171.19	300.00	-0.43	0.07	0.17	2.00	2.00	0.00
400.00	3.00	171.19	399.93	-3.88	0.60	1.50	2.00	2.00	0.00
500.00	5.00	171.19	499.68	-10.77	1.67	4.17	2.00	2.00	0.00
600.00	7.00	171.19	599.13	-21.10	3.27	8.18	2.00	2.00	0.00
700.00	9.00	171.19	698.15	-34.85	5.40	13.51	2.00	2.00	0.00
800.00	11.00	171.19	796.63	-52.01	8.06	20.16	2.00	2.00	0.00
900.00	13.00	171.19	894.44	-72.56	11.24	28.12	2.00	2.00	0.00
1,000.00	15.00	171.19	991.46	-96.46	14.95	37.38	2.00	2.00	0.00
1,100.00	17.00	171.19	1,087.58	-123.70	19.17	47.93	2.00	2.00	0.00
1,200.00	19.00	171.19	1,182.68	-154.24	23.90	59.77	2.00	2.00	0.00
1,235.78	19.72	171.19	1,216.44	-165.96	25.72	64.31	2.00	2.00	0.00
Start 6531.19 hold at 1235.78 MD									
1,300.00	19.72	171.19	1,276.90	-187.37	29.03	72.60	0.00	0.00	0.00
1,400.00	19.72	171.19	1,371.03	-220.70	34.20	85.52	0.00	0.00	0.00
1,466.89	19.72	171.19	1,434.00	-243.00	37.65	94.16	0.00	0.00	0.00
Laramie									
1,500.00	19.72	171.19	1,465.17	-254.04	39.37	98.44	0.00	0.00	0.00
1,600.00	19.72	171.19	1,559.31	-287.38	44.53	111.36	0.00	0.00	0.00
1,700.00	19.72	171.19	1,653.45	-320.72	49.70	124.28	0.00	0.00	0.00
1,800.00	19.72	171.19	1,747.59	-354.05	54.86	137.20	0.00	0.00	0.00
1,825.93	19.72	171.19	1,772.00	-362.70	56.20	140.55	0.00	0.00	0.00
Fox Hills									
1,900.00	19.72	171.19	1,841.72	-387.39	60.03	150.11	0.00	0.00	0.00
2,000.00	19.72	171.19	1,935.86	-420.73	65.19	163.03	0.00	0.00	0.00
2,100.00	19.72	171.19	2,030.00	-454.07	70.36	175.95	0.00	0.00	0.00
2,200.00	19.72	171.19	2,124.14	-487.40	75.53	188.87	0.00	0.00	0.00
2,300.00	19.72	171.19	2,218.27	-520.74	80.69	201.79	0.00	0.00	0.00
2,400.00	19.72	171.19	2,312.41	-554.08	85.86	214.71	0.00	0.00	0.00
2,413.37	19.72	171.19	2,325.00	-558.54	86.55	216.43	0.00	0.00	0.00
Upper Pierre aquifer									
2,500.00	19.72	171.19	2,406.55	-587.42	91.02	227.62	0.00	0.00	0.00
2,600.00	19.72	171.19	2,500.69	-620.75	96.19	240.54	0.00	0.00	0.00
2,700.00	19.72	171.19	2,594.83	-654.09	101.36	253.46	0.00	0.00	0.00
2,800.00	19.72	171.19	2,688.96	-687.43	106.52	266.38	0.00	0.00	0.00
2,900.00	19.72	171.19	2,783.10	-720.77	111.69	279.30	0.00	0.00	0.00
3,000.00	19.72	171.19	2,877.24	-754.10	116.85	292.22	0.00	0.00	0.00
3,100.00	19.72	171.19	2,971.38	-787.44	122.02	305.13	0.00	0.00	0.00
3,144.21	19.72	171.19	3,013.00	-802.18	124.30	310.85	0.00	0.00	0.00
Base of Upper Pierre aquifer									
3,200.00	19.72	171.19	3,065.52	-820.78	127.18	318.05	0.00	0.00	0.00
3,300.00	19.72	171.19	3,159.65	-854.11	132.35	330.97	0.00	0.00	0.00
3,400.00	19.72	171.19	3,253.79	-887.45	137.52	343.89	0.00	0.00	0.00
3,500.00	19.72	171.19	3,347.93	-920.79	142.68	356.81	0.00	0.00	0.00
3,600.00	19.72	171.19	3,442.07	-954.13	147.85	369.73	0.00	0.00	0.00
3,700.00	19.72	171.19	3,536.20	-987.46	153.01	382.64	0.00	0.00	0.00
3,800.00	19.72	171.19	3,630.34	-1,020.80	158.18	395.56	0.00	0.00	0.00
3,900.00	19.72	171.19	3,724.48	-1,054.14	163.34	408.48	0.00	0.00	0.00
4,000.00	19.72	171.19	3,818.62	-1,087.48	168.51	421.40	0.00	0.00	0.00

Planning Report

Database:	EDT_32Bit_ODBC	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Company:	CRESTONE PEAK RESOURCES	TVD Reference:	KB 25' @ 5718.30usft
Project:	ARAPAHOE COUNTY	MD Reference:	KB 25' @ 5718.30usft
Site:	SEC 15-T4S-R65W	North Reference:	True
Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PROPOSAL 1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,100.00	19.72	171.19	3,912.76	-1,120.81	173.68	434.32	0.00	0.00	0.00
4,200.00	19.72	171.19	4,006.89	-1,154.15	178.84	447.23	0.00	0.00	0.00
4,300.00	19.72	171.19	4,101.03	-1,187.49	184.01	460.15	0.00	0.00	0.00
4,400.00	19.72	171.19	4,195.17	-1,220.83	189.17	473.07	0.00	0.00	0.00
4,500.00	19.72	171.19	4,289.31	-1,254.16	194.34	485.99	0.00	0.00	0.00
4,600.00	19.72	171.19	4,383.44	-1,287.50	199.51	498.91	0.00	0.00	0.00
4,700.00	19.72	171.19	4,477.58	-1,320.84	204.67	511.83	0.00	0.00	0.00
4,800.00	19.72	171.19	4,571.72	-1,354.18	209.84	524.74	0.00	0.00	0.00
4,900.00	19.72	171.19	4,665.86	-1,387.51	215.00	537.66	0.00	0.00	0.00
5,000.00	19.72	171.19	4,760.00	-1,420.85	220.17	550.58	0.00	0.00	0.00
5,100.00	19.72	171.19	4,854.13	-1,454.19	225.33	563.50	0.00	0.00	0.00
5,200.00	19.72	171.19	4,948.27	-1,487.53	230.50	576.42	0.00	0.00	0.00
5,300.00	19.72	171.19	5,042.41	-1,520.86	235.67	589.34	0.00	0.00	0.00
5,400.00	19.72	171.19	5,136.55	-1,554.20	240.83	602.25	0.00	0.00	0.00
5,500.00	19.72	171.19	5,230.69	-1,587.54	246.00	615.17	0.00	0.00	0.00
5,600.00	19.72	171.19	5,324.82	-1,620.88	251.16	628.09	0.00	0.00	0.00
5,700.00	19.72	171.19	5,418.96	-1,654.21	256.33	641.01	0.00	0.00	0.00
5,800.00	19.72	171.19	5,513.10	-1,687.55	261.50	653.93	0.00	0.00	0.00
5,900.00	19.72	171.19	5,607.24	-1,720.89	266.66	666.85	0.00	0.00	0.00
6,000.00	19.72	171.19	5,701.37	-1,754.23	271.83	679.76	0.00	0.00	0.00
6,015.54	19.72	171.19	5,716.00	-1,759.40	272.63	681.77	0.00	0.00	0.00
Terry ("Sussex") - Hygiene ("Shannon") - Mitten - Mitten Marker 1 - Teepee Buttes - Mitten Marker 2 - Sharon Springs									
6,100.00	19.72	171.19	5,795.51	-1,787.56	276.99	692.68	0.00	0.00	0.00
6,200.00	19.72	171.19	5,889.65	-1,820.90	282.16	705.60	0.00	0.00	0.00
6,300.00	19.72	171.19	5,983.79	-1,854.24	287.32	718.52	0.00	0.00	0.00
6,400.00	19.72	171.19	6,077.93	-1,887.57	292.49	731.44	0.00	0.00	0.00
6,500.00	19.72	171.19	6,172.06	-1,920.91	297.66	744.36	0.00	0.00	0.00
6,600.00	19.72	171.19	6,266.20	-1,954.25	302.82	757.27	0.00	0.00	0.00
6,700.00	19.72	171.19	6,360.34	-1,987.59	307.99	770.19	0.00	0.00	0.00
6,800.00	19.72	171.19	6,454.48	-2,020.92	313.15	783.11	0.00	0.00	0.00
6,900.00	19.72	171.19	6,548.61	-2,054.26	318.32	796.03	0.00	0.00	0.00
7,000.00	19.72	171.19	6,642.75	-2,087.60	323.49	808.95	0.00	0.00	0.00
7,100.00	19.72	171.19	6,736.89	-2,120.94	328.65	821.86	0.00	0.00	0.00
7,200.00	19.72	171.19	6,831.03	-2,154.27	333.82	834.78	0.00	0.00	0.00
7,300.00	19.72	171.19	6,925.17	-2,187.61	338.98	847.70	0.00	0.00	0.00
7,400.00	19.72	171.19	7,019.30	-2,220.95	344.15	860.62	0.00	0.00	0.00
7,500.00	19.72	171.19	7,113.44	-2,254.29	349.31	873.54	0.00	0.00	0.00
7,600.00	19.72	171.19	7,207.58	-2,287.62	354.48	886.46	0.00	0.00	0.00
7,700.00	19.72	171.19	7,301.72	-2,320.96	359.65	899.37	0.00	0.00	0.00
7,766.97	19.72	171.19	7,364.76	-2,343.29	363.11	908.03	0.00	0.00	0.00
Start DLS 10.00 TFO -81.08									
7,800.00	20.48	161.83	7,395.79	-2,354.29	365.76	913.21	10.00	2.31	-28.35
7,850.00	22.49	149.29	7,442.34	-2,370.83	373.38	924.53	10.00	4.02	-25.07
7,900.00	25.30	139.06	7,488.07	-2,387.13	385.27	939.95	10.00	5.62	-20.47
7,950.00	28.68	130.91	7,532.63	-2,403.07	401.35	959.34	10.00	6.76	-16.29
8,000.00	32.45	124.44	7,575.69	-2,418.52	421.49	982.57	10.00	7.54	-12.96
8,050.00	36.48	119.21	7,616.91	-2,433.37	445.54	1,009.46	10.00	8.07	-10.45
8,100.00	40.71	114.91	7,655.99	-2,447.50	473.32	1,039.79	10.00	8.45	-8.59
8,150.00	45.06	111.31	7,692.62	-2,460.81	504.61	1,073.35	10.00	8.72	-7.21
8,200.00	49.52	108.22	7,726.53	-2,473.19	539.18	1,109.87	10.00	8.91	-6.18
8,250.00	54.05	105.51	7,757.46	-2,484.55	576.77	1,149.08	10.00	9.05	-5.41
8,299.66	58.60	103.12	7,785.00	-2,494.74	616.81	1,190.39	10.00	9.16	-4.82
Niobrara									

Planning Report

Database:	EDT_32Bit_ODBC	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Company:	CRESTONE PEAK RESOURCES	TVD Reference:	KB 25' @ 5718.30usft
Project:	ARAPAHOE COUNTY	MD Reference:	KB 25' @ 5718.30usft
Site:	SEC 15-T4S-R65W	North Reference:	True
Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PROPOSAL 1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
8,300.00	58.63	103.10	7,785.17	-2,494.81	617.08	1,190.68	10.00	9.21	-4.57
8,350.00	63.25	100.92	7,809.46	-2,503.88	659.82	1,234.34	10.00	9.24	-4.37
8,400.00	67.90	98.91	7,830.13	-2,511.70	704.65	1,279.75	10.00	9.31	-4.02
8,450.00	72.58	97.02	7,847.03	-2,518.21	751.24	1,326.56	10.00	9.35	-3.77
8,500.00	77.27	95.24	7,860.04	-2,523.35	799.23	1,374.40	10.00	9.39	-3.58
8,550.00	81.97	93.51	7,869.04	-2,527.10	848.25	1,422.91	10.00	9.41	-3.45
8,600.00	86.68	91.83	7,873.98	-2,529.41	897.94	1,471.73	10.00	9.42	-3.37
8,635.17	90.00	90.65	7,875.00	-2,530.17	933.08	1,506.05	10.00	9.43	-3.34
Start 9905.26 hold at 8635.17 MD									
8,700.00	90.00	90.65	7,875.00	-2,530.91	997.90	1,569.21	0.00	0.00	0.00
8,800.00	90.00	90.65	7,875.00	-2,532.06	1,097.90	1,666.62	0.00	0.00	0.00
8,900.00	90.00	90.65	7,875.00	-2,533.20	1,197.89	1,764.04	0.00	0.00	0.00
9,000.00	90.00	90.65	7,875.00	-2,534.34	1,297.89	1,861.45	0.00	0.00	0.00
9,100.00	90.00	90.65	7,875.00	-2,535.49	1,397.88	1,958.87	0.00	0.00	0.00
9,200.00	90.00	90.65	7,875.00	-2,536.63	1,497.87	2,056.29	0.00	0.00	0.00
9,300.00	90.00	90.65	7,875.00	-2,537.77	1,597.87	2,153.70	0.00	0.00	0.00
9,400.00	90.00	90.65	7,875.00	-2,538.91	1,697.86	2,251.12	0.00	0.00	0.00
9,500.00	90.00	90.65	7,875.00	-2,540.06	1,797.85	2,348.54	0.00	0.00	0.00
9,600.00	90.00	90.65	7,875.00	-2,541.20	1,897.85	2,445.95	0.00	0.00	0.00
9,700.00	90.00	90.65	7,875.00	-2,542.34	1,997.84	2,543.37	0.00	0.00	0.00
9,800.00	90.00	90.65	7,875.00	-2,543.49	2,097.83	2,640.79	0.00	0.00	0.00
9,900.00	90.00	90.65	7,875.00	-2,544.63	2,197.83	2,738.20	0.00	0.00	0.00
10,000.00	90.00	90.65	7,875.00	-2,545.77	2,297.82	2,835.62	0.00	0.00	0.00
10,100.00	90.00	90.65	7,875.00	-2,546.91	2,397.81	2,933.04	0.00	0.00	0.00
10,200.00	90.00	90.65	7,875.00	-2,548.06	2,497.81	3,030.45	0.00	0.00	0.00
10,300.00	90.00	90.65	7,875.00	-2,549.20	2,597.80	3,127.87	0.00	0.00	0.00
10,400.00	90.00	90.65	7,875.00	-2,550.34	2,697.79	3,225.28	0.00	0.00	0.00
10,500.00	90.00	90.65	7,875.00	-2,551.48	2,797.79	3,322.70	0.00	0.00	0.00
10,600.00	90.00	90.65	7,875.00	-2,552.63	2,897.78	3,420.12	0.00	0.00	0.00
10,700.00	90.00	90.65	7,875.00	-2,553.77	2,997.77	3,517.53	0.00	0.00	0.00
10,800.00	90.00	90.65	7,875.00	-2,554.91	3,097.77	3,614.95	0.00	0.00	0.00
10,900.00	90.00	90.65	7,875.00	-2,556.06	3,197.76	3,712.37	0.00	0.00	0.00
11,000.00	90.00	90.65	7,875.00	-2,557.20	3,297.75	3,809.78	0.00	0.00	0.00
11,100.00	90.00	90.65	7,875.00	-2,558.34	3,397.75	3,907.20	0.00	0.00	0.00
11,200.00	90.00	90.65	7,875.00	-2,559.48	3,497.74	4,004.62	0.00	0.00	0.00
11,300.00	90.00	90.65	7,875.00	-2,560.63	3,597.74	4,102.03	0.00	0.00	0.00
11,400.00	90.00	90.65	7,875.00	-2,561.77	3,697.73	4,199.45	0.00	0.00	0.00
11,500.00	90.00	90.65	7,875.00	-2,562.91	3,797.72	4,296.87	0.00	0.00	0.00
11,600.00	90.00	90.65	7,875.00	-2,564.05	3,897.72	4,394.28	0.00	0.00	0.00
11,700.00	90.00	90.65	7,875.00	-2,565.20	3,997.71	4,491.70	0.00	0.00	0.00
11,800.00	90.00	90.65	7,875.00	-2,566.34	4,097.70	4,589.11	0.00	0.00	0.00
11,900.00	90.00	90.65	7,875.00	-2,567.48	4,197.70	4,686.53	0.00	0.00	0.00
12,000.00	90.00	90.65	7,875.00	-2,568.63	4,297.69	4,783.95	0.00	0.00	0.00
12,100.00	90.00	90.65	7,875.00	-2,569.77	4,397.68	4,881.36	0.00	0.00	0.00
12,200.00	90.00	90.65	7,875.00	-2,570.91	4,497.68	4,978.78	0.00	0.00	0.00
12,300.00	90.00	90.65	7,875.00	-2,572.05	4,597.67	5,076.20	0.00	0.00	0.00
12,400.00	90.00	90.65	7,875.00	-2,573.20	4,697.66	5,173.61	0.00	0.00	0.00
12,500.00	90.00	90.65	7,875.00	-2,574.34	4,797.66	5,271.03	0.00	0.00	0.00
12,600.00	90.00	90.65	7,875.00	-2,575.48	4,897.65	5,368.45	0.00	0.00	0.00
12,700.00	90.00	90.65	7,875.00	-2,576.62	4,997.64	5,465.86	0.00	0.00	0.00
12,800.00	90.00	90.65	7,875.00	-2,577.77	5,097.64	5,563.28	0.00	0.00	0.00
12,900.00	90.00	90.65	7,875.00	-2,578.91	5,197.63	5,660.70	0.00	0.00	0.00
13,000.00	90.00	90.65	7,875.00	-2,580.05	5,297.62	5,758.11	0.00	0.00	0.00
13,100.00	90.00	90.65	7,875.00	-2,581.20	5,397.62	5,855.53	0.00	0.00	0.00

Planning Report

Database:	EDT_32Bit_ODBC	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Company:	CRESTONE PEAK RESOURCES	TVD Reference:	KB 25' @ 5718.30usft
Project:	ARAPAHOE COUNTY	MD Reference:	KB 25' @ 5718.30usft
Site:	SEC 15-T4S-R65W	North Reference:	True
Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PROPOSAL 1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
13,200.00	90.00	90.65	7,875.00	-2,582.34	5,497.61	5,952.94	0.00	0.00	0.00
13,300.00	90.00	90.65	7,875.00	-2,583.48	5,597.60	6,050.36	0.00	0.00	0.00
13,400.00	90.00	90.65	7,875.00	-2,584.62	5,697.60	6,147.78	0.00	0.00	0.00
13,500.00	90.00	90.65	7,875.00	-2,585.77	5,797.59	6,245.19	0.00	0.00	0.00
13,600.00	90.00	90.65	7,875.00	-2,586.91	5,897.58	6,342.61	0.00	0.00	0.00
13,700.00	90.00	90.65	7,875.00	-2,588.05	5,997.58	6,440.03	0.00	0.00	0.00
13,800.00	90.00	90.65	7,875.00	-2,589.20	6,097.57	6,537.44	0.00	0.00	0.00
13,900.00	90.00	90.65	7,875.00	-2,590.34	6,197.57	6,634.86	0.00	0.00	0.00
14,000.00	90.00	90.65	7,875.00	-2,591.48	6,297.56	6,732.28	0.00	0.00	0.00
14,100.00	90.00	90.65	7,875.00	-2,592.62	6,397.55	6,829.69	0.00	0.00	0.00
14,200.00	90.00	90.65	7,875.00	-2,593.77	6,497.55	6,927.11	0.00	0.00	0.00
14,300.00	90.00	90.65	7,875.00	-2,594.91	6,597.54	7,024.53	0.00	0.00	0.00
14,400.00	90.00	90.65	7,875.00	-2,596.05	6,697.53	7,121.94	0.00	0.00	0.00
14,500.00	90.00	90.65	7,875.00	-2,597.19	6,797.53	7,219.36	0.00	0.00	0.00
14,600.00	90.00	90.65	7,875.00	-2,598.34	6,897.52	7,316.77	0.00	0.00	0.00
14,700.00	90.00	90.65	7,875.00	-2,599.48	6,997.51	7,414.19	0.00	0.00	0.00
14,800.00	90.00	90.65	7,875.00	-2,600.62	7,097.51	7,511.61	0.00	0.00	0.00
14,900.00	90.00	90.65	7,875.00	-2,601.77	7,197.50	7,609.02	0.00	0.00	0.00
15,000.00	90.00	90.65	7,875.00	-2,602.91	7,297.49	7,706.44	0.00	0.00	0.00
15,100.00	90.00	90.65	7,875.00	-2,604.05	7,397.49	7,803.86	0.00	0.00	0.00
15,200.00	90.00	90.65	7,875.00	-2,605.19	7,497.48	7,901.27	0.00	0.00	0.00
15,300.00	90.00	90.65	7,875.00	-2,606.34	7,597.47	7,998.69	0.00	0.00	0.00
15,400.00	90.00	90.65	7,875.00	-2,607.48	7,697.47	8,096.11	0.00	0.00	0.00
15,500.00	90.00	90.65	7,875.00	-2,608.62	7,797.46	8,193.52	0.00	0.00	0.00
15,600.00	90.00	90.65	7,875.00	-2,609.76	7,897.45	8,290.94	0.00	0.00	0.00
15,700.00	90.00	90.65	7,875.00	-2,610.91	7,997.45	8,388.36	0.00	0.00	0.00
15,800.00	90.00	90.65	7,875.00	-2,612.05	8,097.44	8,485.77	0.00	0.00	0.00
15,900.00	90.00	90.65	7,875.00	-2,613.19	8,197.43	8,583.19	0.00	0.00	0.00
16,000.00	90.00	90.65	7,875.00	-2,614.34	8,297.43	8,680.60	0.00	0.00	0.00
16,100.00	90.00	90.65	7,875.00	-2,615.48	8,397.42	8,778.02	0.00	0.00	0.00
16,200.00	90.00	90.65	7,875.00	-2,616.62	8,497.42	8,875.44	0.00	0.00	0.00
16,300.00	90.00	90.65	7,875.00	-2,617.76	8,597.41	8,972.85	0.00	0.00	0.00
16,400.00	90.00	90.65	7,875.00	-2,618.91	8,697.40	9,070.27	0.00	0.00	0.00
16,500.00	90.00	90.65	7,875.00	-2,620.05	8,797.40	9,167.69	0.00	0.00	0.00
16,600.00	90.00	90.65	7,875.00	-2,621.19	8,897.39	9,265.10	0.00	0.00	0.00
16,700.00	90.00	90.65	7,875.00	-2,622.33	8,997.38	9,362.52	0.00	0.00	0.00
16,800.00	90.00	90.65	7,875.00	-2,623.48	9,097.38	9,459.94	0.00	0.00	0.00
16,900.00	90.00	90.65	7,875.00	-2,624.62	9,197.37	9,557.35	0.00	0.00	0.00
17,000.00	90.00	90.65	7,875.00	-2,625.76	9,297.36	9,654.77	0.00	0.00	0.00
17,100.00	90.00	90.65	7,875.00	-2,626.91	9,397.36	9,752.19	0.00	0.00	0.00
17,200.00	90.00	90.65	7,875.00	-2,628.05	9,497.35	9,849.60	0.00	0.00	0.00
17,300.00	90.00	90.65	7,875.00	-2,629.19	9,597.34	9,947.02	0.00	0.00	0.00
17,400.00	90.00	90.65	7,875.00	-2,630.33	9,697.34	10,044.43	0.00	0.00	0.00
17,500.00	90.00	90.65	7,875.00	-2,631.48	9,797.33	10,141.85	0.00	0.00	0.00
17,600.00	90.00	90.65	7,875.00	-2,632.62	9,897.32	10,239.27	0.00	0.00	0.00
17,700.00	90.00	90.65	7,875.00	-2,633.76	9,997.32	10,336.68	0.00	0.00	0.00
17,800.00	90.00	90.65	7,875.00	-2,634.91	10,097.31	10,434.10	0.00	0.00	0.00
17,900.00	90.00	90.65	7,875.00	-2,636.05	10,197.30	10,531.52	0.00	0.00	0.00
18,000.00	90.00	90.65	7,875.00	-2,637.19	10,297.30	10,628.93	0.00	0.00	0.00
18,100.00	90.00	90.65	7,875.00	-2,638.33	10,397.29	10,726.35	0.00	0.00	0.00
18,200.00	90.00	90.65	7,875.00	-2,639.48	10,497.28	10,823.77	0.00	0.00	0.00
18,300.00	90.00	90.65	7,875.00	-2,640.62	10,597.28	10,921.18	0.00	0.00	0.00
18,400.00	90.00	90.65	7,875.00	-2,641.76	10,697.27	11,018.60	0.00	0.00	0.00
18,500.00	90.00	90.65	7,875.00	-2,642.90	10,797.27	11,116.02	0.00	0.00	0.00

Planning Report

Database:	EDT_32Bit_ODBC	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Company:	CRESTONE PEAK RESOURCES	TVD Reference:	KB 25' @ 5718.30usft
Project:	ARAPAHOE COUNTY	MD Reference:	KB 25' @ 5718.30usft
Site:	SEC 15-T4S-R65W	North Reference:	True
Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PROPOSAL 1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
18,540.44	90.00	90.65	7,875.00	-2,643.37	10,837.70	11,155.41	0.00	0.00	0.00
TD at 18540.44									

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 4AH - plan hits target center - Point	0.00	0.00	7,875.00	-2,643.37	10,837.70	1,680,714.23	3,251,972.95	39.698952°N	104.604517°W
LP-PF 4-65 4AH - plan hits target center - Point	0.00	0.00	7,875.00	-2,530.17	933.08	1,680,733.99	3,242,067.79	39.699269°N	104.639716°W

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
1,466.89	1,434.00	Laramie				
1,825.93	1,772.00	Fox Hills				
2,413.37	2,325.00	Upper Pierre aquifer				
3,144.21	3,013.00	Base of Upper Pierre aquifer				
6,015.54	5,716.00	Terry ("Sussex")				
6,015.54	5,716.00	Hygiene ("Shannon")				
6,015.54	5,716.00	Mitten				
6,015.54	5,716.00	Mitten Marker 1				
6,015.54	5,716.00	Tepee Buttes				
6,015.54	5,716.00	Mitten Marker 2				
6,015.54	5,716.00	Sharon Springs				
8,299.66	7,785.00	Niobrara				

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
250.00	250.00	0.00	0.00	Start Build 2.00
1,235.78	1,216.44	-165.96	25.72	Start 6531.19 hold at 1235.78 MD
7,766.97	7,364.76	-2,343.29	363.11	Start DLS 10.00 TFO -81.08
8,635.17	7,875.00	-2,530.17	933.08	Start 9905.26 hold at 8635.17 MD
18,540.44	7,875.00	-2,643.37	10,837.70	TD at 18540.44

CRESTONE PEAK RESOURCES

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

**OWB
PROPOSAL 1**

Anticollision Report

11 February, 2022

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

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

Survey Tool Program	Date	2/11/2022		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	18,540.44	PROPOSAL 1 (OWB)	MWD OWSG	OWSG MWD - Standard

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
SEC 15-T4S-R65W						
EXIST HZ LONE TREE 4-65 15-16 3BH - OWB - FINAL	890.29	884.64	14.68	8.58	2.405	CC, ES
EXIST HZ LONE TREE 4-65 15-16 3BH - OWB - FINAL	900.00	894.09	14.85	8.67	2.402	SF
EXIST HZ MONTEZUMA 4-64 18-13 4H - OWB - FINAL	17,739.89	13,680.86	382.67	-40.56	0.904	Level 1, CC, ES, SF
EXIST HZ PROSPER FARMS 4-65 13-14 1H - OWB - FI	2,298.43	2,218.00	882.47	870.44	73.373	CC
EXIST HZ PROSPER FARMS 4-65 13-14 1H - OWB - FI	2,300.00	2,218.00	882.47	870.43	73.309	ES
EXIST HZ PROSPER FARMS 4-65 13-14 1H - OWB - FI	15,900.00	14,719.00	2,339.51	1,935.36	5.789	SF
LONE TREE 4-65 15-16 1AH - OWB - PROPOSAL 1	206.19	211.89	275.02	273.97	261.777	CC
LONE TREE 4-65 15-16 1AH - OWB - PROPOSAL 1	250.00	255.31	275.03	273.66	201.745	ES
LONE TREE 4-65 15-16 1AH - OWB - PROPOSAL 1	10,900.00	7,450.00	4,567.04	4,472.36	48.236	SF
LONE TREE 4-65 15-16 1BH - OWB - PROPOSAL 1	250.00	254.90	225.12	223.76	165.308	CC, ES
LONE TREE 4-65 15-16 1BH - OWB - PROPOSAL 1	10,100.00	7,521.20	3,625.31	3,544.40	44.808	SF
LONE TREE 4-65 15-16 2AH - OWB - PROPOSAL 1	250.67	255.21	174.85	173.49	128.122	CC, ES
LONE TREE 4-65 15-16 2AH - OWB - PROPOSAL 1	1,100.00	1,106.49	295.00	287.20	37.834	SF
LONE TREE 4-65 15-16 2BH - OWB - PROPOSAL 1	250.19	250.29	124.95	123.60	92.834	CC
LONE TREE 4-65 15-16 2BH - OWB - PROPOSAL 1	300.00	301.51	125.10	123.40	73.877	ES
LONE TREE 4-65 15-16 2BH - OWB - PROPOSAL 1	1,100.00	1,105.80	196.16	188.30	24.939	SF
LONE TREE 4-65 15-16 3CH - OWB - PROPOSAL 1	251.61	251.75	75.04	73.69	55.351	CC
LONE TREE 4-65 15-16 3CH - OWB - PROPOSAL 1	500.00	506.15	75.73	72.64	24.545	ES
LONE TREE 4-65 15-16 3CH - OWB - PROPOSAL 1	8,150.00	8,325.03	603.90	534.69	8.727	SF
LONE TREE 4-65 15-16 4AH - OWB - PROPOSAL 1	8,277.45	8,333.65	18.66	-52.69	0.262	Level 1, CC, ES, SF
LONE TREE 4-65 15-16 4BH - OWB - PROPOSAL 1	797.51	792.88	24.12	18.96	4.677	CC
LONE TREE 4-65 15-16 4BH - OWB - PROPOSAL 1	1,000.00	993.59	24.89	18.20	3.717	ES
LONE TREE 4-65 15-16 4BH - OWB - PROPOSAL 1	1,300.00	1,290.81	31.01	21.28	3.185	SF
PROSPER FARMS 4-65 14-13 1AH - OWB - PROPOSA	206.36	211.66	249.89	248.84	237.908	CC
PROSPER FARMS 4-65 14-13 1AH - OWB - PROPOSA	250.00	254.89	249.90	248.54	183.498	ES
PROSPER FARMS 4-65 14-13 1AH - OWB - PROPOSA	18,540.44	18,226.33	3,900.25	3,328.44	6.821	SF
PROSPER FARMS 4-65 14-13 1BH - OWB - PROPOSA	250.00	254.40	199.99	198.63	147.046	CC, ES
PROSPER FARMS 4-65 14-13 1BH - OWB - PROPOSA	18,540.44	18,220.21	3,121.14	2,549.45	5.459	SF
PROSPER FARMS 4-65 14-13 2BH - OWB - PROPOSA	250.00	249.80	150.08	148.73	111.703	CC
PROSPER FARMS 4-65 14-13 2BH - OWB - PROPOSA	600.00	617.38	150.67	146.84	39.298	ES
PROSPER FARMS 4-65 14-13 2BH - OWB - PROPOSA	18,528.20	18,260.46	1,742.42	1,170.70	3.048	SF
PROSPER FARMS 4-65 14-13 3AH - OWB - PROPOSA	818.03	837.81	99.67	94.25	18.408	CC, ES
PROSPER FARMS 4-65 14-13 3AH - OWB - PROPOSA	18,540.44	18,265.67	1,159.84	588.12	2.029	SF
PROSPER FARMS 4-65 14-13 3BH - OWB - PROPOSA	1,018.82	1,032.02	49.00	42.12	7.116	CC
PROSPER FARMS 4-65 14-13 3BH - OWB - PROPOSA	18,540.44	18,461.31	584.72	15.33	1.027	Level 2, ES, SF
PROSPER FARMS 4-65 14-13 4BH - OWB - PROPOSA	1,246.21	1,229.59	47.90	39.38	5.626	CC, ES
PROSPER FARMS 4-65 14-13 4BH - OWB - PROPOSA	16,500.00	16,680.54	586.54	125.67	1.273	Level 3, SF

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						

Offset Design SEC 15-T4S-R65W - EXIST HZ LONE TREE 4-65 15-16 3BH - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 94-MWD OWSG												Offset Well Error:	0.00 usft
Reference Measured Depth (usft)	Vertical Depth (usft)	Offset Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	-179.79	-75.04	-0.28	75.04				
100.00	100.00	99.94	99.94	0.13	0.13	-179.73	-74.88	-0.35	74.88	74.61	0.27	281.345	
200.00	200.00	199.86	199.85	0.49	0.50	-179.49	-74.62	-0.66	74.63	73.63	0.99	75.040	
250.00	250.00	249.86	249.85	0.67	0.68	-179.32	-74.52	-0.88	74.52	73.17	1.35	55.101	
300.00	300.00	299.85	299.85	0.84	0.86	9.70	-74.41	-1.09	73.99	72.29	1.70	43.453	
400.00	399.93	399.74	399.74	1.18	1.22	10.57	-74.22	-1.54	70.37	67.97	2.40	29.303	
500.00	499.68	499.43	499.43	1.54	1.57	12.19	-74.08	-2.02	63.42	60.30	3.11	20.372	
600.00	599.13	598.91	598.91	1.91	1.93	15.14	-74.00	-2.50	53.21	49.38	3.83	13.895	
700.00	698.15	697.99	697.98	2.31	2.28	20.99	-73.64	-2.79	39.65	35.09	4.55	8.708	
800.00	796.63	796.38	796.37	2.74	2.63	37.22	-73.25	-3.18	24.03	18.73	5.31	4.530	
890.29	884.97	884.64	884.62	3.16	2.95	89.17	-72.87	-3.57	14.68	8.58	6.11	2.405 CC, ES	
900.00	894.44	894.09	894.08	3.20	2.98	97.51	-72.83	-3.60	14.85	8.67	6.18	2.402 SF	
1,000.00	991.46	991.10	991.09	3.70	3.33	149.61	-72.57	-3.93	30.45	23.66	6.79	4.483	
1,100.00	1,087.58	1,087.33	1,087.32	4.24	3.67	163.49	-72.69	-4.23	56.13	48.66	7.47	7.515	
1,200.00	1,182.68	1,182.59	1,182.58	4.82	4.00	168.97	-72.95	-4.51	86.11	77.94	8.17	10.539	
1,235.78	1,216.44	1,216.40	1,216.38	5.04	4.12	170.18	-73.07	-4.60	97.71	89.28	8.43	11.593	
1,300.00	1,276.90	1,276.82	1,276.80	5.44	4.33	171.83	-73.26	-4.79	119.01	110.14	8.88	13.403	
1,400.00	1,371.03	1,371.09	1,371.07	6.08	4.66	173.46	-73.54	-5.17	152.34	142.75	9.59	15.888	
1,500.00	1,465.17	1,465.08	1,465.06	6.73	4.99	174.47	-73.83	-5.63	185.74	175.44	10.30	18.028	
1,600.00	1,559.31	1,559.42	1,559.41	7.38	5.33	175.17	-74.08	-6.12	219.23	208.21	11.02	19.886	
1,700.00	1,653.45	1,653.54	1,653.52	8.04	5.66	175.67	-74.37	-6.68	252.71	240.96	11.75	21.510	
1,800.00	1,747.59	1,747.31	1,747.29	8.70	6.00	176.02	-74.61	-7.37	286.30	273.82	12.47	22.952	
1,900.00	1,841.72	1,841.68	1,841.65	9.36	6.33	176.30	-74.78	-8.08	319.94	306.74	13.21	24.227	
2,000.00	1,935.86	1,935.83	1,935.80	10.03	6.67	176.54	-74.99	-8.71	353.55	339.61	13.94	25.366	
2,100.00	2,030.00	2,029.94	2,029.91	10.70	7.01	176.74	-75.18	-9.33	387.18	372.50	14.67	26.391	
2,200.00	2,124.14	2,124.16	2,124.13	11.37	7.34	176.91	-75.36	-9.92	420.81	405.40	15.41	27.314	
2,300.00	2,218.27	2,218.47	2,218.44	12.04	7.68	177.07	-75.55	-10.46	454.42	438.28	16.14	28.150	
2,400.00	2,312.41	2,312.34	2,312.30	12.71	8.00	177.22	-75.70	-10.80	488.05	471.19	16.86	28.940	
2,500.00	2,406.55	2,406.16	2,406.12	13.39	8.32	177.40	-75.70	-10.78	521.75	504.17	17.58	29.682	
2,600.00	2,500.69	2,501.39	2,501.36	14.06	8.64	177.58	-75.69	-10.66	555.43	537.13	18.30	30.352	
2,700.00	2,594.83	2,595.24	2,595.21	14.73	8.96	177.73	-75.88	-10.49	588.92	569.90	19.02	30.962	
2,800.00	2,688.96	2,688.07	2,688.03	15.41	9.28	177.85	-75.87	-10.53	622.66	602.91	19.74	31.536	
2,900.00	2,783.10	2,782.11	2,782.08	16.09	9.61	177.95	-75.77	-10.63	656.49	636.02	20.48	32.062	
3,000.00	2,877.24	2,876.86	2,876.82	16.76	9.94	178.05	-75.70	-10.62	690.28	669.07	21.21	32.545	
3,100.00	2,971.38	2,970.99	2,970.96	17.44	10.27	178.14	-75.71	-10.65	723.99	702.05	21.94	32.995	
3,200.00	3,065.52	3,064.77	3,064.73	18.12	10.60	178.22	-75.67	-10.68	757.75	735.08	22.67	33.418	
3,300.00	3,159.65	3,159.01	3,158.98	18.80	10.94	178.29	-75.63	-10.78	791.54	768.12	23.41	33.806	
3,400.00	3,253.79	3,252.45	3,252.41	19.47	11.27	178.35	-75.60	-10.94	825.32	801.17	24.15	34.176	
3,500.00	3,347.93	3,346.63	3,346.59	20.15	11.60	178.40	-75.47	-11.11	859.20	834.31	24.88	34.528	
3,600.00	3,442.07	3,440.09	3,440.05	20.83	11.92	178.46	-75.37	-11.11	893.02	867.41	25.61	34.870	
3,700.00	3,536.20	3,535.64	3,535.61	21.51	12.26	178.51	-75.20	-11.31	926.94	900.59	26.35	35.171	
3,800.00	3,630.34	3,632.57	3,632.53	22.19	12.60	178.55	-75.39	-11.44	960.51	933.40	27.11	35.430	
3,900.00	3,724.48	3,725.95	3,725.91	22.87	12.92	178.60	-75.63	-11.42	994.00	966.16	27.83	35.712	
4,000.00	3,818.62	3,818.88	3,818.84	23.55	13.23	178.66	-75.68	-11.25	1,027.64	999.08	28.55	35.989	

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - EXIST HZ LONE TREE 4-65 15-16 3BH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 94-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,100.00	3,912.76	3,912.64	3,912.61	24.23	13.56	178.69	-75.73	-11.33	1,061.34	1,032.05	29.28	36.244		
4,200.00	4,006.89	4,006.79	4,006.75	24.91	13.88	178.73	-75.73	-11.33	1,095.06	1,065.05	30.01	36.489		
4,300.00	4,101.03	4,100.50	4,100.46	25.59	14.20	178.77	-75.74	-11.30	1,128.78	1,098.04	30.73	36.728		
4,400.00	4,195.17	4,194.40	4,194.36	26.27	14.52	178.81	-75.69	-11.28	1,162.55	1,131.09	31.46	36.952		
4,500.00	4,289.31	4,288.52	4,288.49	26.95	14.84	178.85	-75.65	-11.23	1,196.31	1,164.12	32.19	37.164		
4,600.00	4,383.44	4,382.52	4,382.48	27.63	15.16	178.88	-75.58	-11.16	1,230.09	1,197.17	32.92	37.367		
4,700.00	4,477.58	4,475.97	4,475.93	28.31	15.49	178.91	-75.51	-11.13	1,263.89	1,230.24	33.65	37.563		
4,800.00	4,571.72	4,568.64	4,568.61	28.99	15.81	178.95	-75.34	-11.03	1,297.77	1,263.40	34.37	37.758		
4,900.00	4,665.86	4,675.25	4,675.21	29.67	16.18	178.98	-75.34	-10.89	1,331.51	1,296.31	35.20	37.832		
5,000.00	4,760.00	4,825.77	4,825.65	30.35	16.70	179.00	-79.57	-10.78	1,362.62	1,326.31	36.31	37.529		
5,100.00	4,854.13	4,935.98	4,935.69	31.03	17.08	178.94	-85.74	-11.60	1,391.22	1,354.07	37.14	37.454		
5,200.00	4,948.27	5,052.84	5,052.28	31.71	17.49	178.90	-93.53	-12.18	1,418.80	1,380.78	38.02	37.319		
5,300.00	5,042.41	5,181.13	5,180.11	32.39	17.94	178.91	-104.30	-10.83	1,444.46	1,405.51	38.94	37.090		
5,400.00	5,136.55	5,298.34	5,296.71	33.07	18.34	179.03	-115.50	-6.67	1,468.63	1,428.83	39.80	36.901		
5,500.00	5,230.69	5,500.00	5,526.81	33.75	19.06	179.38	-150.21	7.14	1,486.89	1,445.91	40.98	36.285		
5,600.00	5,324.82	5,600.00	5,721.06	34.43	19.41	179.53	-197.56	18.33	1,495.75	1,454.14	41.61	35.944		
5,700.00	5,418.96	5,865.65	5,849.38	35.12	20.44	179.56	-234.69	24.83	1,501.39	1,458.51	42.88	35.016		
5,800.00	5,513.10	5,980.94	5,959.61	35.80	20.91	179.61	-267.86	31.21	1,506.05	1,462.39	43.67	34.491		
5,900.00	5,607.24	6,130.11	6,101.47	36.48	21.55	179.52	-313.66	35.74	1,509.37	1,464.91	44.46	33.949		
6,000.00	5,701.37	6,292.96	6,253.56	37.16	22.28	179.00	-371.53	30.88	1,508.35	1,463.14	45.22	33.359		
6,100.00	5,795.51	6,426.01	6,375.50	37.84	22.92	178.31	-423.77	20.79	1,504.10	1,458.11	45.98	32.710		
6,200.00	5,889.65	6,610.14	6,540.92	38.52	23.86	177.12	-502.43	2.29	1,497.07	1,450.42	46.65	32.090		
6,300.00	5,983.79	6,748.30	6,661.47	39.20	24.65	176.06	-567.79	-14.49	1,485.16	1,437.75	47.41	31.324		
6,400.00	6,077.93	6,860.30	6,758.01	39.88	25.31	175.14	-622.79	-28.57	1,471.63	1,423.36	48.27	30.487		
6,500.00	6,172.06	6,987.62	6,867.65	40.56	26.11	174.17	-686.21	-41.53	1,457.32	1,408.23	49.09	29.686		
6,600.00	6,266.20	7,149.33	7,005.46	41.25	27.18	173.34	-770.55	-46.21	1,438.72	1,389.00	49.71	28.939		
6,700.00	6,360.34	7,248.42	7,089.67	41.93	27.86	173.00	-822.72	-44.16	1,418.91	1,368.33	50.58	28.053		
6,800.00	6,454.48	7,353.01	7,178.53	42.61	28.59	172.65	-877.81	-41.38	1,398.96	1,347.54	51.42	27.206		
6,900.00	6,548.61	7,451.21	7,262.01	43.29	29.29	172.39	-929.34	-36.91	1,378.77	1,326.48	52.29	26.368		
7,000.00	6,642.75	7,545.45	7,342.20	43.97	29.98	172.15	-978.63	-32.40	1,358.72	1,305.53	53.19	25.545		
7,100.00	6,736.89	7,592.97	7,382.98	44.65	30.32	171.96	-1,003.01	-31.88	1,340.73	1,286.37	54.36	24.666		
7,200.00	6,831.03	7,729.87	7,498.99	45.33	31.34	170.73	-1,073.90	-45.88	1,325.88	1,270.61	55.27	23.989		
7,300.00	6,925.17	7,820.06	7,568.84	46.02	32.06	169.20	-1,125.56	-69.70	1,307.55	1,250.94	56.61	23.097		
7,400.00	7,019.30	7,855.54	7,594.83	46.70	32.32	168.42	-1,145.69	-83.04	1,292.38	1,234.33	58.05	22.263		
7,500.00	7,113.44	7,887.31	7,617.67	47.38	32.56	167.64	-1,162.75	-97.05	1,282.67	1,223.27	59.40	21.592		
7,600.00	7,207.58	7,918.00	7,639.23	48.06	32.80	166.82	-1,178.27	-112.39	1,278.76	1,218.12	60.64	21.088		
7,612.68	7,219.52	7,918.00	7,639.23	48.15	32.80	166.82	-1,178.27	-112.39	1,278.69	1,217.94	60.75	21.049		
7,700.00	7,301.72	7,946.87	7,659.06	48.74	32.99	166.01	-1,192.01	-128.25	1,280.81	1,219.09	61.72	20.751		
7,766.97	7,364.76	7,965.81	7,671.82	49.20	33.12	165.45	-1,200.57	-139.31	1,285.57	1,223.22	62.35	20.617		
7,800.00	7,395.79	7,974.60	7,677.67	49.43	33.18	174.33	-1,204.42	-144.62	1,289.30	1,226.67	62.63	20.584		
7,850.00	7,442.34	8,013.00	7,702.68	49.78	33.44	-174.55	-1,220.29	-169.05	1,298.42	1,234.94	63.48	20.455		
7,900.00	7,488.07	8,013.00	7,702.68	50.13	33.44	-164.13	-1,220.29	-169.05	1,309.57	1,245.90	63.67	20.569		
7,950.00	7,532.63	8,013.00	7,702.68	50.48	33.44	-155.46	-1,220.29	-169.05	1,324.13	1,260.32	63.82	20.748		
8,000.00	7,575.69	8,013.00	7,702.68	50.84	33.44	-148.10	-1,220.29	-169.05	1,341.90	1,277.96	63.93	20.988		
8,050.00	7,616.91	8,023.51	7,709.32	51.18	33.51	-142.10	-1,224.43	-176.07	1,362.55	1,298.29	64.26	21.205		
8,100.00	7,655.99	8,031.30	7,714.15	51.53	33.56	-136.58	-1,227.50	-181.34	1,385.78	1,321.27	64.52	21.479		
8,150.00	7,692.62	8,035.54	7,716.76	51.87	33.59	-131.25	-1,229.18	-184.25	1,411.39	1,346.69	64.70	21.813		
8,200.00	7,726.53	8,036.72	7,717.47	52.21	33.59	-125.94	-1,229.65	-185.06	1,439.10	1,374.27	64.82	22.200		
8,250.00	7,757.46	8,035.24	7,716.57	52.54	33.58	-120.58	-1,229.06	-184.04	1,468.58	1,403.69	64.89	22.631		
8,300.00	7,785.17	8,031.45	7,714.25	52.87	33.56	-115.14	-1,227.56	-181.45	1,499.52	1,434.59	64.93	23.096		
8,350.00	7,809.46	8,013.00	7,702.68	53.19	33.44	-109.04	-1,220.29	-169.05	1,531.66	1,467.04	64.62	23.703		
8,400.00	7,830.13	8,013.00	7,702.68	53.51	33.44	-103.89	-1,220.29	-169.05	1,564.37	1,499.57	64.80	24.140		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - EXIST HZ LONE TREE 4-65 15-16 3BH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 94-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
8,450.00	7,847.03	8,013.00	7,702.68	53.82	33.44	-98.88	-1,220.29	-169.05	1,597.59	1,532.56	65.03	24.569		
8,500.00	7,860.04	8,013.00	7,702.68	54.14	33.44	-94.04	-1,220.29	-169.05	1,631.01	1,565.73	65.29	24.982		
8,550.00	7,869.04	8,013.00	7,702.68	54.44	33.44	-89.47	-1,220.29	-169.05	1,664.40	1,598.81	65.59	25.377		
8,600.00	7,873.98	8,013.00	7,702.68	54.75	33.44	-85.22	-1,220.29	-169.05	1,697.50	1,631.58	65.92	25.750		
8,635.17	7,875.00	8,013.00	7,702.68	54.96	33.44	-82.45	-1,220.29	-169.05	1,720.49	1,654.31	66.18	25.998		
8,700.00	7,875.00	7,976.75	7,679.10	55.36	33.19	-81.52	-1,205.35	-145.93	1,761.74	1,695.94	65.80	26.775		
8,800.00	7,875.00	7,962.38	7,669.53	56.06	33.09	-81.16	-1,199.05	-137.27	1,828.84	1,762.63	66.21	27.621		
8,900.00	7,875.00	7,918.00	7,639.23	56.85	32.80	-80.03	-1,178.27	-112.39	1,899.50	1,833.56	65.95	28.803		
9,000.00	7,875.00	7,918.00	7,639.23	57.73	32.80	-80.03	-1,178.27	-112.39	1,970.60	1,903.94	66.66	29.562		
9,100.00	7,875.00	7,918.00	7,639.23	58.72	32.80	-80.03	-1,178.27	-112.39	2,044.11	1,976.78	67.33	30.359		
9,200.00	7,875.00	7,918.00	7,639.23	59.81	32.80	-80.03	-1,178.27	-112.39	2,119.79	2,051.83	67.96	31.192		
9,300.00	7,875.00	7,918.00	7,639.23	61.00	32.80	-80.03	-1,178.27	-112.39	2,197.42	2,128.87	68.55	32.056		
9,400.00	7,875.00	7,918.00	7,639.23	62.30	32.80	-80.03	-1,178.27	-112.39	2,276.80	2,207.70	69.10	32.950		
9,500.00	7,875.00	7,918.00	7,639.23	63.70	32.80	-80.03	-1,178.27	-112.39	2,357.74	2,288.13	69.61	33.871		
9,600.00	7,875.00	7,918.00	7,639.23	65.19	32.80	-80.03	-1,178.27	-112.39	2,440.10	2,370.01	70.08	34.816		
9,700.00	7,875.00	7,874.09	7,608.22	66.78	32.46	-78.93	-1,155.77	-90.99	2,521.27	2,451.49	69.78	36.131		
9,800.00	7,875.00	7,867.45	7,603.44	68.45	32.41	-78.77	-1,152.20	-88.06	2,605.27	2,535.16	70.11	37.160		
9,900.00	7,875.00	7,823.00	7,571.01	70.20	32.08	-77.69	-1,127.26	-70.71	2,692.10	2,622.28	69.82	38.558		
10,000.00	7,875.00	7,823.00	7,571.01	72.02	32.08	-77.69	-1,127.26	-70.71	2,777.47	2,707.25	70.22	39.552		
10,100.00	7,875.00	7,823.00	7,571.01	73.91	32.08	-77.69	-1,127.26	-70.71	2,863.78	2,793.18	70.60	40.563		
10,200.00	7,875.00	7,823.00	7,571.01	75.86	32.08	-77.69	-1,127.26	-70.71	2,950.96	2,880.01	70.95	41.590		
10,300.00	7,875.00	7,823.00	7,571.01	77.87	32.08	-77.69	-1,127.26	-70.71	3,038.93	2,967.65	71.28	42.631		
10,400.00	7,875.00	7,823.00	7,571.01	79.93	32.08	-77.69	-1,127.26	-70.71	3,127.62	3,056.03	71.59	43.685		
10,500.00	7,875.00	7,823.00	7,571.01	82.03	32.08	-77.69	-1,127.26	-70.71	3,216.98	3,145.09	71.89	44.751		
10,600.00	7,875.00	7,823.00	7,571.01	84.18	32.08	-77.69	-1,127.26	-70.71	3,306.94	3,234.78	72.16	45.828		
10,700.00	7,875.00	7,823.00	7,571.01	86.36	32.08	-77.69	-1,127.26	-70.71	3,397.46	3,325.05	72.42	46.914		
10,800.00	7,875.00	7,823.00	7,571.01	88.58	32.08	-77.69	-1,127.26	-70.71	3,488.51	3,415.85	72.66	48.010		
10,900.00	7,875.00	7,823.00	7,571.01	90.83	32.08	-77.69	-1,127.26	-70.71	3,580.03	3,507.14	72.89	49.114		
11,000.00	7,875.00	7,823.00	7,571.01	93.11	32.08	-77.69	-1,127.26	-70.71	3,671.99	3,598.88	73.11	50.225		
11,100.00	7,875.00	7,823.00	7,571.01	95.41	32.08	-77.69	-1,127.26	-70.71	3,764.36	3,691.05	73.32	51.344		
11,200.00	7,875.00	7,823.00	7,571.01	97.74	32.08	-77.69	-1,127.26	-70.71	3,857.12	3,783.60	73.51	52.468		
11,300.00	7,875.00	7,823.00	7,571.01	100.09	32.08	-77.69	-1,127.26	-70.71	3,950.22	3,876.52	73.70	53.598		
11,400.00	7,875.00	7,823.00	7,571.01	102.46	32.08	-77.69	-1,127.26	-70.71	4,043.66	3,969.78	73.88	54.734		
11,500.00	7,875.00	7,823.00	7,571.01	104.84	32.08	-77.69	-1,127.26	-70.71	4,137.40	4,063.35	74.05	55.874		
11,600.00	7,875.00	7,782.37	7,540.38	107.25	31.76	-76.71	-1,103.79	-58.04	4,229.91	4,156.11	73.80	57.319		
11,700.00	7,875.00	7,778.99	7,537.77	109.67	31.73	-76.62	-1,101.84	-57.11	4,323.94	4,250.02	73.93	58.490		
11,800.00	7,875.00	7,775.74	7,535.26	112.10	31.71	-76.55	-1,099.98	-56.24	4,418.22	4,344.17	74.05	59.665		
11,900.00	7,875.00	7,772.63	7,532.85	114.55	31.68	-76.47	-1,098.20	-55.42	4,512.72	4,438.55	74.17	60.841		
12,000.00	7,875.00	7,769.65	7,530.52	117.01	31.66	-76.40	-1,096.49	-54.65	4,607.44	4,533.15	74.29	62.020		
12,100.00	7,875.00	7,729.00	7,498.29	119.48	31.34	-75.40	-1,073.41	-45.72	4,703.68	4,629.62	74.05	63.516		
12,200.00	7,875.00	7,729.00	7,498.29	121.96	31.34	-75.40	-1,073.41	-45.72	4,798.61	4,724.41	74.20	64.675		
12,300.00	7,875.00	7,729.00	7,498.29	124.46	31.34	-75.40	-1,073.41	-45.72	4,893.74	4,819.41	74.33	65.835		
12,400.00	7,875.00	7,729.00	7,498.29	126.96	31.34	-75.40	-1,073.41	-45.72	4,989.06	4,914.59	74.47	66.999		
12,500.00	7,875.00	7,729.00	7,498.29	129.47	31.34	-75.40	-1,073.41	-45.72	5,084.56	5,009.97	74.59	68.164		
12,600.00	7,875.00	7,729.00	7,498.29	131.99	31.34	-75.40	-1,073.41	-45.72	5,180.23	5,105.51	74.72	69.331		
12,700.00	7,875.00	7,729.00	7,498.29	134.51	31.34	-75.40	-1,073.41	-45.72	5,276.06	5,201.23	74.84	70.500		
12,800.00	7,875.00	7,729.00	7,498.29	137.04	31.34	-75.40	-1,073.41	-45.72	5,372.05	5,297.09	74.95	71.671		
12,900.00	7,875.00	7,729.00	7,498.29	139.58	31.34	-75.40	-1,073.41	-45.72	5,468.17	5,393.11	75.07	72.843		
13,000.00	7,875.00	7,729.00	7,498.29	142.13	31.34	-75.40	-1,073.41	-45.72	5,564.44	5,489.26	75.18	74.016		
13,100.00	7,875.00	7,729.00	7,498.29	144.68	31.34	-75.40	-1,073.41	-45.72	5,660.83	5,585.55	75.29	75.191		
13,200.00	7,875.00	7,729.00	7,498.29	147.24	31.34	-75.40	-1,073.41	-45.72	5,757.35	5,681.96	75.39	76.366		
13,300.00	7,875.00	7,729.00	7,498.29	149.80	31.34	-75.40	-1,073.41	-45.72	5,853.98	5,778.49	75.49	77.542		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - EXIST HZ LONE TREE 4-65 15-16 3BH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 94-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
13,400.00	7,875.00	7,729.00	7,498.29	152.37	31.34	-75.40	-1,073.41	-45.72	5,950.73	5,875.13	75.60	78.718		
13,500.00	7,875.00	7,729.00	7,498.29	154.94	31.34	-75.40	-1,073.41	-45.72	6,047.58	5,971.88	75.69	79.895		
13,600.00	7,875.00	7,729.00	7,498.29	157.52	31.34	-75.40	-1,073.41	-45.72	6,144.53	6,068.74	75.79	81.073		
13,700.00	7,875.00	7,729.00	7,498.29	160.10	31.34	-75.40	-1,073.41	-45.72	6,241.58	6,165.69	75.89	82.250		
13,800.00	7,875.00	7,729.00	7,498.29	162.68	31.34	-75.40	-1,073.41	-45.72	6,338.72	6,262.74	75.98	83.428		
13,900.00	7,875.00	7,729.00	7,498.29	165.27	31.34	-75.40	-1,073.41	-45.72	6,435.94	6,359.87	76.07	84.606		
14,000.00	7,875.00	7,729.00	7,498.29	167.86	31.34	-75.40	-1,073.41	-45.72	6,533.25	6,457.09	76.16	85.783		
14,100.00	7,875.00	7,729.00	7,498.29	170.46	31.34	-75.40	-1,073.41	-45.72	6,630.64	6,554.40	76.25	86.961		
14,200.00	7,875.00	7,729.00	7,498.29	173.06	31.34	-75.40	-1,073.41	-45.72	6,728.11	6,651.78	76.34	88.138		
14,300.00	7,875.00	7,729.00	7,498.29	175.66	31.34	-75.40	-1,073.41	-45.72	6,825.65	6,749.23	76.42	89.315		
14,400.00	7,875.00	7,729.00	7,498.29	178.26	31.34	-75.40	-1,073.41	-45.72	6,923.26	6,846.76	76.51	90.491		
14,500.00	7,875.00	7,729.00	7,498.29	180.87	31.34	-75.40	-1,073.41	-45.72	7,020.94	6,944.35	76.59	91.667		
14,600.00	7,875.00	7,729.00	7,498.29	183.48	31.34	-75.40	-1,073.41	-45.72	7,118.68	7,042.01	76.67	92.842		
14,700.00	7,875.00	7,729.00	7,498.29	186.09	31.34	-75.40	-1,073.41	-45.72	7,216.49	7,139.73	76.76	94.017		
14,800.00	7,875.00	7,729.00	7,498.29	188.71	31.34	-75.40	-1,073.41	-45.72	7,314.35	7,237.51	76.84	95.191		
14,900.00	7,875.00	7,729.00	7,498.29	191.33	31.34	-75.40	-1,073.41	-45.72	7,412.27	7,335.35	76.92	96.364		
15,000.00	7,875.00	7,729.00	7,498.29	193.95	31.34	-75.40	-1,073.41	-45.72	7,510.25	7,433.25	77.00	97.537		
15,100.00	7,875.00	7,729.00	7,498.29	196.57	31.34	-75.40	-1,073.41	-45.72	7,608.28	7,531.20	77.08	98.708		
15,200.00	7,875.00	7,729.00	7,498.29	199.19	31.34	-75.40	-1,073.41	-45.72	7,706.35	7,629.20	77.16	99.878		
15,300.00	7,875.00	7,729.00	7,498.29	201.82	31.34	-75.40	-1,073.41	-45.72	7,804.48	7,727.25	77.24	101.048		
15,400.00	7,875.00	7,729.00	7,498.29	204.45	31.34	-75.40	-1,073.41	-45.72	7,902.66	7,825.34	77.31	102.216		
15,500.00	7,875.00	7,729.00	7,498.29	207.08	31.34	-75.40	-1,073.41	-45.72	8,000.88	7,923.49	77.39	103.383		
15,600.00	7,875.00	7,729.00	7,498.29	209.71	31.34	-75.40	-1,073.41	-45.72	8,099.14	8,021.67	77.47	104.549		
15,700.00	7,875.00	7,729.00	7,498.29	212.34	31.34	-75.40	-1,073.41	-45.72	8,197.45	8,119.90	77.54	105.714		
15,800.00	7,875.00	7,729.00	7,498.29	214.98	31.34	-75.40	-1,073.41	-45.72	8,295.79	8,218.17	77.62	106.878		
15,900.00	7,875.00	7,729.00	7,498.29	217.61	31.34	-75.40	-1,073.41	-45.72	8,394.18	8,316.48	77.70	108.040		
16,000.00	7,875.00	7,729.00	7,498.29	220.25	31.34	-75.40	-1,073.41	-45.72	8,492.60	8,414.83	77.77	109.201		
16,100.00	7,875.00	7,729.00	7,498.29	222.89	31.34	-75.40	-1,073.41	-45.72	8,591.06	8,513.21	77.85	110.360		
16,200.00	7,875.00	7,729.00	7,498.29	225.53	31.34	-75.40	-1,073.41	-45.72	8,689.55	8,611.63	77.92	111.518		
16,300.00	7,875.00	7,729.00	7,498.29	228.17	31.34	-75.40	-1,073.41	-45.72	8,788.08	8,710.09	78.00	112.674		
16,400.00	7,875.00	7,729.00	7,498.29	230.81	31.34	-75.40	-1,073.41	-45.72	8,886.64	8,808.57	78.07	113.829		
16,500.00	7,875.00	7,686.73	7,463.56	233.46	31.02	-74.36	-1,050.30	-39.01	8,984.17	8,906.27	77.90	115.329		
16,600.00	7,875.00	7,685.56	7,462.58	236.10	31.01	-74.33	-1,049.67	-38.86	9,082.73	9,004.76	77.97	116.492		
16,700.00	7,875.00	7,684.42	7,461.62	238.75	31.00	-74.30	-1,049.07	-38.71	9,181.33	9,103.29	78.04	117.653		
16,800.00	7,875.00	7,683.30	7,460.68	241.40	30.99	-74.28	-1,048.48	-38.56	9,279.95	9,201.84	78.11	118.812		
16,900.00	7,875.00	7,682.20	7,459.75	244.05	30.98	-74.25	-1,047.90	-38.42	9,378.60	9,300.42	78.18	119.969		
17,000.00	7,875.00	7,681.12	7,458.85	246.70	30.98	-74.22	-1,047.33	-38.28	9,477.27	9,399.03	78.24	121.124		
17,100.00	7,875.00	7,680.07	7,457.97	249.35	30.97	-74.19	-1,046.78	-38.15	9,575.98	9,497.66	78.31	122.278		
17,200.00	7,875.00	7,679.04	7,457.10	252.00	30.96	-74.17	-1,046.24	-38.02	9,674.70	9,596.32	78.38	123.429		
17,300.00	7,875.00	7,678.04	7,456.25	254.65	30.95	-74.14	-1,045.71	-37.90	9,773.46	9,695.00	78.45	124.579		
17,400.00	7,875.00	7,635.00	7,419.39	257.31	30.63	-73.06	-1,023.90	-33.74	9,873.29	9,795.00	78.29	126.119		
17,500.00	7,875.00	7,635.00	7,419.39	259.96	30.63	-73.06	-1,023.90	-33.74	9,972.04	9,893.68	78.36	127.258		

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - EXIST HZ MONTEZUMA 4-64 18-13 4H - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 2176-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
3,600.00	3,442.07	14,842.00	7,838.79	20.83	192.01	-78.41	-3,027.09	8,872.00	9,987.08	9,922.63	64.45	154.956		
3,700.00	3,536.20	14,842.00	7,838.79	21.51	192.01	-78.41	-3,027.09	8,872.00	9,934.57	9,869.98	64.59	153.818		
3,800.00	3,630.34	14,842.00	7,838.79	22.19	192.01	-78.41	-3,027.09	8,872.00	9,882.78	9,818.06	64.72	152.697		
3,900.00	3,724.48	14,842.00	7,838.79	22.87	192.01	-78.41	-3,027.09	8,872.00	9,831.75	9,766.89	64.86	151.593		
4,000.00	3,818.62	14,842.00	7,838.79	23.55	192.01	-78.41	-3,027.09	8,872.00	9,781.46	9,716.47	64.99	150.505		
4,100.00	3,912.76	14,842.00	7,838.79	24.23	192.01	-78.41	-3,027.09	8,872.00	9,731.95	9,666.82	65.13	149.434		
4,200.00	4,006.89	14,842.00	7,838.79	24.91	192.01	-78.41	-3,027.09	8,872.00	9,683.21	9,617.95	65.26	148.379		
4,300.00	4,101.03	14,842.00	7,838.79	25.59	192.01	-78.41	-3,027.09	8,872.00	9,635.27	9,569.88	65.39	147.340		
4,400.00	4,195.17	14,842.00	7,838.79	26.27	192.01	-78.41	-3,027.09	8,872.00	9,588.13	9,522.60	65.53	146.318		
4,500.00	4,289.31	14,842.00	7,838.79	26.95	192.01	-78.41	-3,027.09	8,872.00	9,541.80	9,476.14	65.66	145.312		
4,600.00	4,383.44	14,842.00	7,838.79	27.63	192.01	-78.41	-3,027.09	8,872.00	9,496.31	9,430.51	65.80	144.322		
4,700.00	4,477.58	14,842.00	7,838.79	28.31	192.01	-78.41	-3,027.09	8,872.00	9,451.65	9,385.71	65.93	143.348		
4,800.00	4,571.72	14,842.00	7,838.79	28.99	192.01	-78.41	-3,027.09	8,872.00	9,407.84	9,341.77	66.07	142.390		
4,900.00	4,665.86	14,842.00	7,838.79	29.67	192.01	-78.41	-3,027.09	8,872.00	9,364.89	9,298.68	66.21	141.446		
5,000.00	4,760.00	14,842.00	7,838.79	30.35	192.01	-78.41	-3,027.09	8,872.00	9,322.82	9,256.48	66.35	140.518		
5,100.00	4,854.13	14,842.00	7,838.79	31.03	192.01	-78.41	-3,027.09	8,872.00	9,281.64	9,215.15	66.49	139.604		
5,200.00	4,948.27	14,842.00	7,838.79	31.71	192.01	-78.41	-3,027.09	8,872.00	9,241.35	9,174.73	66.63	138.704		
5,300.00	5,042.41	14,842.00	7,838.79	32.39	192.01	-78.41	-3,027.09	8,872.00	9,201.98	9,135.21	66.77	137.817		
5,400.00	5,136.55	14,842.00	7,838.79	33.07	192.01	-78.41	-3,027.09	8,872.00	9,163.53	9,096.61	66.91	136.944		
5,500.00	5,230.69	14,842.00	7,838.79	33.75	192.01	-78.41	-3,027.09	8,872.00	9,126.01	9,058.94	67.06	136.083		
5,600.00	5,324.82	14,842.00	7,838.79	34.43	192.01	-78.41	-3,027.09	8,872.00	9,089.43	9,022.22	67.21	135.234		
5,700.00	5,418.96	14,842.00	7,838.79	35.12	192.01	-78.41	-3,027.09	8,872.00	9,053.82	8,986.45	67.37	134.396		
5,800.00	5,513.10	14,842.00	7,838.79	35.80	192.01	-78.41	-3,027.09	8,872.00	9,019.17	8,951.64	67.52	133.568		
5,900.00	5,607.24	14,842.00	7,838.79	36.48	192.01	-78.41	-3,027.09	8,872.00	8,985.50	8,917.81	67.69	132.750		
6,000.00	5,701.37	14,842.00	7,838.79	37.16	192.01	-78.41	-3,027.09	8,872.00	8,952.82	8,884.96	67.86	131.939		
6,100.00	5,795.51	14,842.00	7,838.79	37.84	192.01	-78.41	-3,027.09	8,872.00	8,921.14	8,853.11	68.03	131.137		
6,200.00	5,889.65	14,842.00	7,838.79	38.52	192.01	-78.41	-3,027.09	8,872.00	8,890.48	8,822.27	68.21	130.340		
6,300.00	5,983.79	14,842.00	7,838.79	39.20	192.01	-78.41	-3,027.09	8,872.00	8,860.83	8,792.44	68.40	129.548		
6,400.00	6,077.93	14,842.00	7,838.79	39.88	192.01	-78.41	-3,027.09	8,872.00	8,832.22	8,763.63	68.59	128.760		
6,500.00	6,172.06	14,842.00	7,838.79	40.56	192.01	-78.41	-3,027.09	8,872.00	8,804.66	8,735.86	68.80	127.975		
6,600.00	6,266.20	14,842.00	7,838.79	41.25	192.01	-78.41	-3,027.09	8,872.00	8,778.14	8,709.13	69.02	127.190		
6,700.00	6,360.34	14,842.00	7,838.79	41.93	192.01	-78.41	-3,027.09	8,872.00	8,752.69	8,683.45	69.24	126.405		
6,800.00	6,454.48	14,842.00	7,838.79	42.61	192.01	-78.41	-3,027.09	8,872.00	8,728.31	8,658.82	69.48	125.618		
6,900.00	6,548.61	14,842.00	7,838.79	43.29	192.01	-78.41	-3,027.09	8,872.00	8,705.01	8,635.27	69.74	124.826		
7,000.00	6,642.75	14,842.00	7,838.79	43.97	192.01	-78.41	-3,027.09	8,872.00	8,682.80	8,612.79	70.01	124.030		
7,100.00	6,736.89	14,842.00	7,838.79	44.65	192.01	-78.41	-3,027.09	8,872.00	8,661.68	8,591.39	70.29	123.226		
7,200.00	6,831.03	14,842.00	7,838.79	45.33	192.01	-78.41	-3,027.09	8,872.00	8,641.68	8,571.08	70.59	122.413		
7,300.00	6,925.17	14,842.00	7,838.79	46.02	192.01	-78.41	-3,027.09	8,872.00	8,622.78	8,551.86	70.92	121.590		
7,400.00	7,019.30	14,842.00	7,838.79	46.70	192.01	-78.41	-3,027.09	8,872.00	8,605.01	8,533.75	71.26	120.754		
7,500.00	7,113.44	14,842.00	7,838.79	47.38	192.01	-78.41	-3,027.09	8,872.00	8,588.36	8,516.73	71.63	119.905		
7,600.00	7,207.58	14,842.00	7,838.79	48.06	192.01	-78.41	-3,027.09	8,872.00	8,572.85	8,500.83	72.02	119.040		
7,700.00	7,301.72	14,842.00	7,838.79	48.74	192.01	-78.41	-3,027.09	8,872.00	8,558.48	8,486.05	72.43	118.159		
7,766.97	7,364.76	14,842.00	7,838.79	49.20	192.01	-78.41	-3,027.09	8,872.00	8,549.49	8,476.77	72.72	117.559		
7,800.00	7,395.79	14,842.00	7,838.79	49.43	192.01	-69.59	-3,027.09	8,872.00	8,544.31	8,471.44	72.87	117.247		
7,850.00	7,442.34	14,842.00	7,838.79	49.78	192.01	-57.86	-3,027.09	8,872.00	8,533.15	8,460.05	73.11	116.724		
7,900.00	7,488.07	14,842.00	7,838.79	50.13	192.01	-48.42	-3,027.09	8,872.00	8,518.06	8,444.72	73.34	116.148		
7,950.00	7,532.63	14,842.00	7,838.79	50.48	192.01	-41.06	-3,027.09	8,872.00	8,499.13	8,425.56	73.57	115.527		
8,000.00	7,575.69	14,842.00	7,838.79	50.84	192.01	-35.34	-3,027.09	8,872.00	8,476.49	8,402.69	73.80	114.865		
8,050.00	7,616.91	14,842.00	7,838.79	51.18	192.01	-30.86	-3,027.09	8,872.00	8,450.27	8,376.26	74.02	114.169		
8,100.00	7,655.99	14,842.00	7,838.79	51.53	192.01	-27.29	-3,027.09	8,872.00	8,420.65	8,346.42	74.23	113.445		
8,150.00	7,692.62	14,842.00	7,838.79	51.87	192.01	-24.37	-3,027.09	8,872.00	8,387.81	8,313.38	74.43	112.698		
8,200.00	7,726.53	14,842.00	7,838.79	52.21	192.01	-21.92	-3,027.09	8,872.00	8,351.96	8,277.35	74.61	111.935		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - EXIST HZ MONTEZUMA 4-64 18-13 4H - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 2176-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
8,250.00	7,757.46	14,842.00	7,838.79	52.54	192.01	-19.79	-3,027.09	8,872.00	8,313.35	8,238.57	74.78	111.163		
8,300.00	7,785.17	14,842.00	7,838.79	52.87	192.01	-17.84	-3,027.09	8,872.00	8,272.23	8,197.30	74.94	110.389		
8,350.00	7,809.46	14,842.00	7,838.79	53.19	192.01	-15.94	-3,027.09	8,872.00	8,228.88	8,153.81	75.07	109.618		
8,400.00	7,830.13	14,842.00	7,838.79	53.51	192.01	-13.88	-3,027.09	8,872.00	8,183.60	8,108.42	75.18	108.857		
8,450.00	7,847.03	14,842.00	7,838.79	53.82	192.01	-11.31	-3,027.09	8,872.00	8,136.69	8,061.43	75.26	108.111		
8,500.00	7,860.04	14,842.00	7,838.79	54.14	192.01	-7.43	-3,027.09	8,872.00	8,088.50	8,013.18	75.32	107.385		
8,550.00	7,869.04	14,842.00	7,838.79	54.44	192.01	0.37	-3,027.09	8,872.00	8,039.37	7,964.01	75.36	106.683		
8,600.00	7,873.98	14,842.00	7,838.79	54.75	192.01	26.07	-3,027.09	8,872.00	7,989.65	7,914.28	75.37	106.009		
8,635.17	7,875.00	14,842.00	7,838.79	54.96	192.01	84.95	-3,027.09	8,872.00	7,954.53	7,879.17	75.36	105.552		
8,700.00	7,875.00	14,842.00	7,838.79	55.36	192.01	84.95	-3,027.09	8,872.00	7,889.79	7,814.46	75.34	104.726		
8,800.00	7,875.00	14,842.00	7,838.79	56.06	192.01	84.95	-3,027.09	8,872.00	7,789.93	7,714.63	75.30	103.450		
8,900.00	7,875.00	14,842.00	7,838.79	56.85	192.01	84.95	-3,027.09	8,872.00	7,690.07	7,614.80	75.27	102.172		
9,000.00	7,875.00	14,842.00	7,838.79	57.73	192.01	84.95	-3,027.09	8,872.00	7,590.21	7,514.98	75.23	100.892		
9,100.00	7,875.00	14,842.00	7,838.79	58.72	192.01	84.95	-3,027.09	8,872.00	7,490.36	7,415.16	75.20	99.611		
9,200.00	7,875.00	14,842.00	7,838.79	59.81	192.01	84.95	-3,027.09	8,872.00	7,390.51	7,315.34	75.16	98.328		
9,300.00	7,875.00	14,842.00	7,838.79	61.00	192.01	84.95	-3,027.09	8,872.00	7,290.66	7,215.53	75.13	97.043		
9,400.00	7,875.00	14,842.00	7,838.79	62.30	192.01	84.95	-3,027.09	8,872.00	7,190.82	7,115.72	75.10	95.756		
9,500.00	7,875.00	14,842.00	7,838.79	63.70	192.01	84.95	-3,027.09	8,872.00	7,090.98	7,015.92	75.06	94.467		
9,600.00	7,875.00	14,842.00	7,838.79	65.19	192.01	84.95	-3,027.09	8,872.00	6,991.15	6,916.12	75.03	93.176		
9,700.00	7,875.00	14,842.00	7,838.79	66.78	192.01	84.95	-3,027.09	8,872.00	6,891.32	6,816.32	75.00	91.884		
9,800.00	7,875.00	14,842.00	7,838.79	68.45	192.01	84.95	-3,027.09	8,872.00	6,791.50	6,716.53	74.97	90.589		
9,900.00	7,875.00	14,842.00	7,838.79	70.20	192.01	84.95	-3,027.09	8,872.00	6,691.68	6,616.74	74.94	89.292		
10,000.00	7,875.00	14,842.00	7,838.79	72.02	192.01	84.95	-3,027.09	8,872.00	6,591.87	6,516.96	74.91	87.992		
10,100.00	7,875.00	14,842.00	7,838.79	73.91	192.01	84.95	-3,027.09	8,872.00	6,492.07	6,417.18	74.89	86.691		
10,200.00	7,875.00	14,842.00	7,838.79	75.86	192.01	84.95	-3,027.09	8,872.00	6,392.27	6,317.41	74.86	85.387		
10,300.00	7,875.00	14,842.00	7,838.79	77.87	192.01	84.95	-3,027.09	8,872.00	6,292.47	6,217.64	74.84	84.081		
10,400.00	7,875.00	14,842.00	7,838.79	79.93	192.01	84.95	-3,027.09	8,872.00	6,192.69	6,117.87	74.82	82.773		
10,500.00	7,875.00	14,842.00	7,838.79	82.03	192.01	84.95	-3,027.09	8,872.00	6,092.91	6,018.11	74.79	81.461		
10,600.00	7,875.00	14,842.00	7,838.79	84.18	192.01	84.95	-3,027.09	8,872.00	5,993.14	5,918.36	74.78	80.148		
10,700.00	7,875.00	14,842.00	7,838.79	86.36	192.01	84.95	-3,027.09	8,872.00	5,893.37	5,818.61	74.76	78.831		
10,800.00	7,875.00	14,842.00	7,838.79	88.58	192.01	84.95	-3,027.09	8,872.00	5,793.62	5,718.87	74.75	77.512		
10,900.00	7,875.00	14,842.00	7,838.79	90.83	192.01	84.95	-3,027.09	8,872.00	5,693.87	5,619.13	74.73	76.189		
11,000.00	7,875.00	14,842.00	7,838.79	93.11	192.01	84.95	-3,027.09	8,872.00	5,594.13	5,519.41	74.72	74.864		
11,100.00	7,875.00	14,842.00	7,838.79	95.41	192.01	84.95	-3,027.09	8,872.00	5,494.40	5,419.68	74.72	73.535		
11,200.00	7,875.00	14,842.00	7,838.79	97.74	192.01	84.95	-3,027.09	8,872.00	5,394.68	5,319.97	74.72	72.203		
11,300.00	7,875.00	14,842.00	7,838.79	100.09	192.01	84.95	-3,027.09	8,872.00	5,294.97	5,220.26	74.72	70.868		
11,400.00	7,875.00	14,842.00	7,838.79	102.46	192.01	84.95	-3,027.09	8,872.00	5,195.28	5,120.55	74.72	69.528		
11,500.00	7,875.00	14,842.00	7,838.79	104.84	192.01	84.95	-3,027.09	8,872.00	5,095.59	5,020.86	74.73	68.185		
11,600.00	7,875.00	14,842.00	7,838.79	107.25	192.01	84.95	-3,027.09	8,872.00	4,995.92	4,921.17	74.75	66.838		
11,700.00	7,875.00	14,842.00	7,838.79	109.67	192.01	84.95	-3,027.09	8,872.00	4,896.26	4,821.49	74.77	65.487		
11,800.00	7,875.00	14,842.00	7,838.79	112.10	192.01	84.95	-3,027.09	8,872.00	4,796.61	4,721.82	74.79	64.131		
11,900.00	7,875.00	14,842.00	7,838.79	114.55	192.01	84.95	-3,027.09	8,872.00	4,696.98	4,622.15	74.83	62.770		
12,000.00	7,875.00	14,842.00	7,838.79	117.01	192.01	84.95	-3,027.09	8,872.00	4,597.37	4,522.50	74.87	61.405		
12,100.00	7,875.00	14,842.00	7,838.79	119.48	192.01	84.95	-3,027.09	8,872.00	4,497.77	4,422.85	74.92	60.034		
12,200.00	7,875.00	14,842.00	7,838.79	121.96	192.01	84.95	-3,027.09	8,872.00	4,398.19	4,323.21	74.98	58.658		
12,300.00	7,875.00	14,842.00	7,838.79	124.46	192.01	84.95	-3,027.09	8,872.00	4,298.63	4,223.58	75.05	57.276		
12,400.00	7,875.00	14,842.00	7,838.79	126.96	192.01	84.95	-3,027.09	8,872.00	4,199.09	4,123.96	75.13	55.887		
12,500.00	7,875.00	14,842.00	7,838.79	129.47	192.01	84.95	-3,027.09	8,872.00	4,099.58	4,024.35	75.23	54.493		
12,600.00	7,875.00	14,842.00	7,838.79	131.99	192.01	84.95	-3,027.09	8,872.00	4,000.09	3,924.74	75.34	53.091		
12,700.00	7,875.00	14,842.00	7,838.79	134.51	192.01	84.95	-3,027.09	8,872.00	3,900.62	3,825.15	75.47	51.682		
12,800.00	7,875.00	14,842.00	7,838.79	137.04	192.01	84.95	-3,027.09	8,872.00	3,801.18	3,725.56	75.62	50.266		
12,900.00	7,875.00	14,842.00	7,838.79	139.58	192.01	84.95	-3,027.09	8,872.00	3,701.77	3,625.98	75.79	48.841		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - EXIST HZ MONTEZUMA 4-64 18-13 4H - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 2176-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
13,000.00	7,875.00	14,842.00	7,838.79	142.13	192.01	84.95	-3,027.09	8,872.00	3,602.40	3,526.41	75.99	47.408		
13,100.00	7,875.00	14,842.00	7,838.79	144.68	192.01	84.95	-3,027.09	8,872.00	3,503.06	3,426.85	76.21	45.966		
13,200.00	7,875.00	14,842.00	7,838.79	147.24	192.01	84.95	-3,027.09	8,872.00	3,403.76	3,327.29	76.47	44.514		
13,300.00	7,875.00	14,842.00	7,838.79	149.80	192.01	84.95	-3,027.09	8,872.00	3,304.50	3,227.75	76.76	43.052		
13,400.00	7,875.00	14,842.00	7,838.79	152.37	192.01	84.95	-3,027.09	8,872.00	3,205.29	3,128.20	77.09	41.579		
13,500.00	7,875.00	14,842.00	7,838.79	154.94	192.01	84.95	-3,027.09	8,872.00	3,106.13	3,028.66	77.47	40.095		
13,600.00	7,875.00	14,842.00	7,838.79	157.52	192.01	84.95	-3,027.09	8,872.00	3,007.02	2,929.12	77.91	38.598		
13,700.00	7,875.00	14,842.00	7,838.79	160.10	192.01	84.95	-3,027.09	8,872.00	2,907.98	2,829.57	78.40	37.090		
13,800.00	7,875.00	14,842.00	7,838.79	162.68	192.01	84.95	-3,027.09	8,872.00	2,809.00	2,730.03	78.98	35.568		
13,900.00	7,875.00	14,842.00	7,838.79	165.27	192.01	84.95	-3,027.09	8,872.00	2,710.10	2,630.47	79.63	34.033		
14,000.00	7,875.00	14,842.00	7,838.79	167.86	192.01	84.95	-3,027.09	8,872.00	2,611.28	2,530.89	80.39	32.484		
14,100.00	7,875.00	14,842.00	7,838.79	170.46	192.01	84.95	-3,027.09	8,872.00	2,512.56	2,431.30	81.26	30.921		
14,200.00	7,875.00	14,842.00	7,838.79	173.06	192.01	84.95	-3,027.09	8,872.00	2,413.94	2,331.67	82.26	29.344		
14,300.00	7,875.00	14,842.00	7,838.79	175.66	192.01	84.95	-3,027.09	8,872.00	2,315.43	2,232.00	83.43	27.753		
14,400.00	7,875.00	14,842.00	7,838.79	178.26	192.01	84.95	-3,027.09	8,872.00	2,217.07	2,132.28	84.79	26.148		
14,500.00	7,875.00	14,842.00	7,838.79	180.87	192.01	84.95	-3,027.09	8,872.00	2,118.85	2,032.48	86.37	24.531		
14,600.00	7,875.00	14,842.00	7,838.79	183.48	192.01	84.95	-3,027.09	8,872.00	2,020.81	1,932.58	88.23	22.904		
14,700.00	7,875.00	14,842.00	7,838.79	186.09	192.01	84.95	-3,027.09	8,872.00	1,922.98	1,832.57	90.41	21.270		
14,800.00	7,875.00	14,842.00	7,838.79	188.71	192.01	84.95	-3,027.09	8,872.00	1,825.37	1,732.39	92.98	19.632		
14,900.00	7,875.00	14,842.00	7,838.79	191.33	192.01	84.95	-3,027.09	8,872.00	1,728.04	1,632.02	96.03	17.996		
15,000.00	7,875.00	14,842.00	7,838.79	193.95	192.01	84.95	-3,027.09	8,872.00	1,631.04	1,531.39	99.65	16.368		
15,100.00	7,875.00	14,842.00	7,838.79	196.57	192.01	84.95	-3,027.09	8,872.00	1,534.42	1,430.45	103.97	14.758		
15,200.00	7,875.00	14,842.00	7,838.79	199.19	192.01	84.95	-3,027.09	8,872.00	1,438.26	1,329.11	109.15	13.177		
15,300.00	7,875.00	14,842.00	7,838.79	201.82	192.01	84.95	-3,027.09	8,872.00	1,342.66	1,227.28	115.38	11.637		
15,400.00	7,875.00	14,842.00	7,838.79	204.45	192.01	84.95	-3,027.09	8,872.00	1,247.75	1,124.84	122.91	10.152		
15,500.00	7,875.00	14,842.00	7,838.79	207.08	192.01	84.95	-3,027.09	8,872.00	1,153.70	1,021.67	132.04	8.738		
15,600.00	7,875.00	14,842.00	7,838.79	209.71	192.01	84.95	-3,027.09	8,872.00	1,060.75	917.59	143.15	7.410		
15,700.00	7,875.00	14,842.00	7,838.79	212.34	192.01	84.95	-3,027.09	8,872.00	969.19	812.45	156.74	6.183		
15,800.00	7,875.00	14,842.00	7,838.79	214.98	192.01	84.95	-3,027.09	8,872.00	879.48	706.06	173.42	5.071		
15,900.00	7,875.00	14,842.00	7,838.79	217.61	192.01	84.95	-3,027.09	8,872.00	792.23	598.28	193.95	4.085		
16,000.00	7,875.00	14,842.00	7,838.79	220.25	192.01	84.95	-3,027.09	8,872.00	708.37	489.14	219.23	3.231		
16,100.00	7,875.00	14,842.00	7,838.79	222.89	192.01	84.95	-3,027.09	8,872.00	629.23	379.07	250.16	2.515		
16,200.00	7,875.00	14,842.00	7,838.79	225.53	192.01	84.95	-3,027.09	8,872.00	556.85	269.57	287.29	1.938		
16,300.00	7,875.00	14,842.00	7,838.79	228.17	192.01	84.95	-3,027.09	8,872.00	494.20	164.47	329.74	1.499	Level 3	Level 2
16,400.00	7,875.00	14,842.00	7,838.79	230.81	192.01	84.95	-3,027.09	8,872.00	445.41	72.00	373.41	1.193	Level 2	
16,500.00	7,875.00	14,842.00	7,838.79	233.46	192.01	84.95	-3,027.09	8,872.00	415.37	6.04	409.33	1.015	Level 2	
16,600.00	7,875.00	14,814.15	7,838.31	236.10	191.26	84.87	-3,026.88	8,899.84	407.32	-16.62	423.95	0.961	Level 1	Level 1
16,700.00	7,875.00	14,714.91	7,836.54	238.75	188.61	84.60	-3,026.17	8,999.07	405.64	-18.24	423.88	0.957	Level 1	
16,800.00	7,875.00	14,614.81	7,834.41	241.40	185.94	84.28	-3,025.73	9,099.14	404.27	-19.42	423.69	0.954	Level 1	
16,900.00	7,875.00	14,512.34	7,834.06	244.05	183.21	84.20	-3,024.68	9,201.61	402.14	-21.19	423.34	0.950	Level 1	
17,000.00	7,875.00	14,406.98	7,832.79	246.70	180.40	83.97	-3,022.90	9,306.94	399.46	-23.03	422.49	0.945	Level 1	
17,100.00	7,875.00	14,304.66	7,832.15	249.35	177.68	83.82	-3,019.90	9,409.22	395.47	-26.58	422.06	0.937	Level 1	Level 1
17,200.00	7,875.00	14,211.12	7,831.18	252.00	175.19	83.63	-3,017.96	9,502.72	392.37	-30.46	422.83	0.928	Level 1	
17,300.00	7,875.00	14,109.49	7,831.15	254.65	172.48	83.58	-3,016.25	9,604.34	389.56	-33.02	422.58	0.922	Level 1	
17,400.00	7,875.00	14,011.25	7,831.15	257.31	169.86	83.53	-3,014.73	9,702.57	386.90	-35.89	422.78	0.915	Level 1	
17,500.00	7,875.00	13,914.40	7,830.70	259.96	167.29	83.43	-3,013.48	9,799.40	384.54	-38.58	423.12	0.909	Level 1	
17,600.00	7,875.00	13,817.90	7,829.38	262.62	164.71	83.22	-3,013.62	9,895.89	383.69	-39.71	423.40	0.906	Level 1	Level 1, CC, ES, SF
17,700.00	7,875.00	13,718.34	7,826.45	265.27	162.06	82.76	-3,013.53	9,995.41	382.83	-40.29	423.12	0.905	Level 1	
17,739.89	7,875.00	13,680.86	7,825.06	266.33	161.06	82.55	-3,013.63	10,032.87	382.67	-40.56	423.23	0.904	Level 1	
17,800.00	7,875.00	13,629.48	7,823.20	267.93	159.69	82.28	-3,014.51	10,084.20	383.31	-40.53	423.84	0.904	Level 1	
17,900.00	7,875.00	13,539.39	7,821.84	270.59	157.28	82.15	-3,019.10	10,174.16	387.37	-37.03	424.40	0.913	Level 1	
18,000.00	7,875.00	13,444.68	7,820.08	273.24	154.75	81.99	-3,024.97	10,268.67	392.65	-31.86	424.51	0.925	Level 1	

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - EXIST HZ MONTEZUMA 4-64 18-13 4H - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 2176-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
18,100.00	7,875.00	13,348.05	7,818.83	275.90	152.17	81.94	-3,032.25	10,365.01	399.17	-25.40	424.57	0.940	Level 1
18,200.00	7,875.00	13,247.57	7,818.53	278.56	149.48	82.02	-3,040.05	10,465.19	405.77	-18.86	424.63	0.956	Level 1
18,300.00	7,875.00	13,140.16	7,817.42	281.22	146.62	82.00	-3,048.10	10,572.29	412.25	-12.05	424.30	0.972	Level 1
18,400.00	7,875.00	13,035.37	7,816.41	283.89	143.82	81.94	-3,053.29	10,676.95	416.13	-7.85	423.98	0.981	Level 1
18,500.00	7,875.00	12,930.46	7,814.55	286.55	141.02	81.75	-3,057.79	10,781.74	419.51	-3.99	423.49	0.991	Level 1
18,540.44	7,875.00	12,889.71	7,814.10	287.62	139.94	81.71	-3,059.23	10,822.46	420.53	-2.90	423.44	0.993	Level 1

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - EXIST HZ PROSPER FARMS 4-65 13-14 1H - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 2310-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	2,218.00	2,217.98	0.00	0.00	111.41	-372.73	950.65	2,444.74					
100.00	100.00	2,218.00	2,217.98	0.13	0.00	111.41	-372.73	950.65	2,354.25	2,352.18	2.07	1,135.846		
200.00	200.00	2,218.00	2,217.98	0.49	0.00	111.41	-372.73	950.65	2,264.56	2,262.49	2.07	1,093.125		
250.00	250.00	2,218.00	2,217.98	0.67	0.00	111.41	-372.73	950.65	2,220.05	2,217.97	2.08	1,068.575		
300.00	300.00	2,218.00	2,217.98	0.84	0.00	-61.46	-372.73	950.65	2,175.67	2,173.58	2.09	1,040.028		
400.00	399.93	2,218.00	2,217.98	1.18	0.00	-64.87	-372.73	950.65	2,087.09	2,084.96	2.14	976.286		
500.00	499.68	2,218.00	2,217.98	1.54	0.00	-68.31	-372.73	950.65	1,998.87	1,996.66	2.21	905.326		
600.00	599.13	2,218.00	2,217.98	1.91	0.00	-71.74	-372.73	950.65	1,911.17	1,908.86	2.30	830.714		
700.00	698.15	2,218.00	2,217.98	2.31	0.00	-75.12	-372.73	950.65	1,824.17	1,821.75	2.42	753.602		
800.00	796.63	2,218.00	2,217.98	2.74	0.00	-78.41	-372.73	950.65	1,738.10	1,735.52	2.57	675.222		
900.00	894.44	2,218.00	2,217.98	3.20	0.00	-81.57	-372.73	950.65	1,653.21	1,650.44	2.77	596.988		
1,000.00	991.46	2,218.00	2,217.98	3.70	0.00	-84.57	-372.73	950.65	1,569.82	1,566.80	3.02	520.529		
1,100.00	1,087.58	2,218.00	2,217.98	4.24	0.00	-87.39	-372.73	950.65	1,488.27	1,484.95	3.33	447.591		
1,200.00	1,182.68	2,218.00	2,217.98	4.82	0.00	-89.99	-372.73	950.65	1,409.01	1,405.30	3.71	379.841		
1,235.78	1,216.44	2,218.00	2,217.98	5.04	0.00	-90.86	-372.73	950.65	1,381.29	1,377.42	3.87	357.167		
1,300.00	1,276.90	2,218.00	2,217.98	5.44	0.00	-90.86	-372.73	950.65	1,332.52	1,328.34	4.18	318.943		
1,400.00	1,371.03	2,218.00	2,217.98	6.08	0.00	-90.86	-372.73	950.65	1,259.33	1,254.60	4.73	266.274		
1,500.00	1,465.17	2,218.00	2,217.98	6.73	0.00	-90.86	-372.73	950.65	1,190.06	1,184.69	5.36	221.883		
1,600.00	1,559.31	2,218.00	2,217.98	7.38	0.00	-90.86	-372.73	950.65	1,125.41	1,119.33	6.08	185.137		
1,700.00	1,653.45	2,218.00	2,217.98	8.04	0.00	-90.86	-372.73	950.65	1,066.24	1,059.37	6.87	155.186		
1,800.00	1,747.59	2,218.00	2,217.98	8.70	0.00	-90.86	-372.73	950.65	1,013.50	1,005.77	7.73	131.137		
1,900.00	1,841.72	2,218.00	2,217.98	9.36	0.00	-90.86	-372.73	950.65	968.24	959.61	8.63	112.150		
2,000.00	1,935.86	2,218.00	2,217.98	10.03	0.00	-90.86	-372.73	950.65	931.56	922.01	9.56	97.475		
2,100.00	2,030.00	2,218.00	2,217.98	10.70	0.00	-90.86	-372.73	950.65	904.50	894.04	10.46	86.464		
2,200.00	2,124.14	2,218.00	2,217.98	11.37	0.00	-90.86	-372.73	950.65	887.94	876.64	11.30	78.564		
2,298.43	2,216.79	2,218.00	2,217.98	12.03	0.00	-90.86	-372.73	950.65	882.47	870.44	12.03	73.73 CC		
2,300.00	2,218.27	2,218.00	2,217.98	12.04	0.00	-90.86	-372.73	950.65	882.47	870.43	12.04	73.309 ES		
2,400.00	2,312.41	2,307.97	2,307.94	12.71	0.16	-92.80	-373.25	950.87	883.71	870.85	12.86	68.708		
2,500.00	2,406.55	2,394.11	2,394.08	13.39	0.46	-94.70	-372.80	951.25	886.64	872.83	13.81	64.207		
2,600.00	2,500.69	2,481.05	2,480.98	14.06	0.77	-96.72	-370.19	951.83	891.73	876.98	14.75	60.461		
2,700.00	2,594.83	2,570.29	2,570.12	14.73	1.08	-98.87	-365.96	952.50	898.85	883.17	15.68	57.314		
2,800.00	2,688.96	2,670.73	2,670.41	15.41	1.45	-101.28	-360.65	952.89	907.39	890.75	16.65	54.509		
2,900.00	2,783.10	2,768.32	2,767.85	16.09	1.80	-103.63	-355.15	952.15	916.62	899.04	17.58	52.137		
3,000.00	2,877.24	2,862.63	2,861.99	16.76	2.15	-105.87	-349.69	950.96	927.05	908.57	18.48	50.160		
3,100.00	2,971.38	2,953.90	2,953.10	17.44	2.48	-108.00	-344.39	949.71	938.94	919.59	19.35	48.526		
3,200.00	3,065.52	3,045.54	3,044.58	18.12	2.82	-110.08	-339.13	948.58	952.36	932.16	20.20	47.153		
3,300.00	3,159.65	3,136.00	3,134.89	18.80	3.15	-112.09	-333.88	947.51	967.26	946.24	21.02	46.017		
3,400.00	3,253.79	3,222.07	3,220.82	19.47	3.47	-113.92	-329.10	946.99	983.81	962.01	21.80	45.127		
3,500.00	3,347.93	3,311.81	3,310.46	20.15	3.79	-115.69	-325.01	947.71	1,002.10	979.51	22.58	44.370		
3,600.00	3,442.07	3,406.09	3,404.66	20.83	4.13	-117.47	-321.09	948.76	1,021.45	998.07	23.38	43.695		
3,700.00	3,536.20	3,502.96	3,501.44	21.51	4.48	-119.23	-317.40	949.75	1,041.52	1,017.35	24.17	43.092		
3,800.00	3,630.34	3,598.45	3,596.86	22.19	4.83	-120.92	-313.54	950.06	1,062.17	1,037.23	24.94	42.589		
3,900.00	3,724.48	3,693.68	3,692.01	22.87	5.18	-122.55	-309.87	950.28	1,083.54	1,057.84	25.70	42.165		
4,000.00	3,818.62	3,788.04	3,786.33	23.55	5.52	-124.08	-306.67	950.64	1,105.54	1,079.10	26.44	41.809		
4,100.00	3,912.76	3,879.27	3,877.50	24.23	5.84	-125.51	-303.61	951.02	1,128.32	1,101.16	27.16	41.542		
4,200.00	4,006.89	3,970.80	3,968.97	24.91	6.18	-126.89	-300.35	951.46	1,152.01	1,124.14	27.87	41.333		
4,300.00	4,101.03	4,065.31	4,063.41	25.59	6.52	-128.30	-296.48	951.36	1,176.40	1,147.81	28.59	41.152		
4,400.00	4,195.17	4,162.70	4,160.72	26.27	6.87	-129.69	-292.83	951.23	1,201.19	1,171.88	29.31	40.978		
4,500.00	4,289.31	4,251.72	4,249.70	26.95	7.19	-130.90	-289.81	951.19	1,226.43	1,196.44	29.99	40.898		
4,600.00	4,383.44	4,340.33	4,338.23	27.63	7.51	-132.07	-286.16	951.21	1,252.79	1,222.14	30.65	40.873		
4,700.00	4,477.58	4,439.39	4,437.21	28.31	7.87	-133.32	-282.41	951.46	1,279.61	1,248.24	31.37	40.785		
4,800.00	4,571.72	4,529.97	4,527.75	28.99	8.20	-134.39	-279.60	951.83	1,306.49	1,274.45	32.05	40.768		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - EXIST HZ PROSPER FARMS 4-65 13-14 1H - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 2310-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,900.00	4,665.86	4,615.08	4,612.79	29.67	8.51	-135.39	-276.09	952.04	1,334.53	1,301.85	32.68	40.838		
5,000.00	4,760.00	4,708.25	4,705.87	30.35	8.85	-136.45	-272.01	952.14	1,363.16	1,329.81	33.36	40.868		
5,100.00	4,854.13	4,803.70	4,801.22	31.03	9.19	-137.51	-267.77	952.00	1,392.15	1,358.11	34.04	40.894		
5,200.00	4,948.27	4,902.83	4,900.27	31.71	9.55	-138.55	-263.84	951.93	1,421.22	1,386.46	34.75	40.894		
5,300.00	5,042.41	5,004.76	5,002.15	32.39	9.92	-139.55	-260.52	952.05	1,450.18	1,414.70	35.48	40.868		
5,400.00	5,136.55	5,096.75	5,094.11	33.07	10.25	-140.40	-258.12	952.29	1,479.03	1,442.87	36.16	40.907		
5,500.00	5,230.69	5,193.22	5,190.53	33.75	10.60	-141.29	-255.02	952.29	1,508.58	1,471.73	36.85	40.938		
5,600.00	5,324.82	5,292.51	5,289.79	34.43	10.96	-142.16	-252.60	951.98	1,537.63	1,500.07	37.56	40.935		
5,700.00	5,418.96	5,377.07	5,374.31	35.12	11.26	-142.89	-250.16	951.49	1,567.26	1,529.08	38.18	41.050		
5,800.00	5,513.10	5,450.90	5,448.08	35.80	11.53	-143.52	-247.39	950.92	1,597.87	1,559.15	38.72	41.266		
5,900.00	5,607.24	5,510.07	5,507.17	36.48	11.75	-144.02	-244.09	950.72	1,630.41	1,591.25	39.15	41.640		
6,000.00	5,701.37	5,577.50	5,574.41	37.16	12.00	-144.58	-239.17	950.91	1,664.89	1,625.25	39.64	42.005		
6,100.00	5,795.51	5,652.99	5,649.63	37.84	12.28	-145.19	-232.79	951.47	1,700.75	1,660.58	40.17	42.337		
6,200.00	5,889.65	5,755.81	5,752.04	38.52	12.66	-146.00	-223.68	952.14	1,737.25	1,696.34	40.91	42.465		
6,300.00	5,983.79	5,897.74	5,893.61	39.20	13.19	-147.08	-213.68	951.14	1,771.90	1,729.98	41.92	42.268		
6,400.00	6,077.93	6,073.19	6,068.91	39.88	13.82	-148.30	-207.52	948.52	1,803.61	1,760.49	43.12	41.831		
6,500.00	6,172.06	6,181.57	6,177.28	40.56	14.19	-148.97	-207.35	947.33	1,832.61	1,788.73	43.87	41.770		
6,600.00	6,266.20	6,278.25	6,273.97	41.25	14.51	-149.53	-207.57	946.44	1,861.52	1,816.96	44.56	41.777		
6,700.00	6,360.34	6,360.85	6,356.56	41.93	14.79	-149.99	-207.70	946.10	1,890.82	1,845.66	45.17	41.864		
6,800.00	6,454.48	6,442.91	6,438.62	42.61	15.07	-150.42	-207.50	946.39	1,920.84	1,875.07	45.78	41.961		
6,900.00	6,548.61	6,527.69	6,523.40	43.29	15.36	-150.84	-206.94	947.14	1,951.54	1,905.12	46.41	42.050		
7,000.00	6,642.75	6,658.39	6,654.09	43.97	15.80	-151.45	-206.69	948.50	1,982.09	1,934.76	47.33	41.880		
7,100.00	6,736.89	6,731.77	6,727.46	44.65	16.05	-151.79	-206.94	948.85	2,011.98	1,964.10	47.88	42.018		
7,200.00	6,831.03	6,802.16	6,797.85	45.33	16.29	-152.11	-206.49	949.41	2,042.97	1,994.55	48.42	42.189		
7,300.00	6,925.17	6,898.70	6,894.38	46.02	16.63	-152.54	-204.98	950.43	2,074.96	2,025.82	49.14	42.225		
7,400.00	7,019.30	7,011.30	7,006.97	46.70	17.03	-153.03	-204.35	951.06	2,105.96	2,056.01	49.96	42.154		
7,500.00	7,113.44	7,108.92	7,104.59	47.38	17.36	-153.43	-204.24	951.82	2,136.76	2,086.08	50.68	42.164		
7,600.00	7,207.58	7,203.25	7,198.91	48.06	17.68	-153.80	-204.28	952.78	2,167.56	2,116.18	51.37	42.192		
7,700.00	7,301.72	7,271.81	7,267.29	48.74	17.91	-153.97	-204.93	956.73	2,198.88	2,146.96	51.92	42.349		
7,766.97	7,364.76	7,314.00	7,308.64	49.20	18.05	-153.92	-206.39	964.86	2,220.63	2,168.33	52.30	42.459		
7,800.00	7,395.79	7,341.62	7,335.24	49.43	18.15	-143.98	-207.76	972.15	2,231.27	2,178.72	52.55	42.458		
7,850.00	7,442.34	7,361.01	7,353.77	49.78	18.21	-130.76	-208.76	977.80	2,246.58	2,193.84	52.74	42.593		
7,900.00	7,488.07	7,377.00	7,368.99	50.13	18.26	-119.98	-209.41	982.67	2,261.14	2,208.24	52.90	42.743		
7,950.00	7,532.63	7,392.78	7,383.96	50.48	18.31	-111.44	-209.87	987.64	2,274.86	2,221.81	53.05	42.883		
8,000.00	7,575.69	7,409.00	7,399.29	50.84	18.36	-104.72	-210.13	992.92	2,287.67	2,234.48	53.19	43.007		
8,050.00	7,616.91	7,426.57	7,415.81	51.18	18.42	-99.41	-210.26	998.91	2,299.47	2,246.12	53.35	43.102		
8,100.00	7,655.99	7,451.24	7,438.78	51.53	18.50	-95.26	-210.29	1,007.89	2,310.12	2,256.54	53.58	43.113		
8,150.00	7,692.62	7,493.94	7,478.04	51.87	18.64	-92.15	-210.48	1,024.65	2,319.28	2,265.26	54.02	42.931		
8,200.00	7,726.53	7,518.59	7,500.43	52.21	18.73	-89.60	-210.69	1,034.97	2,326.87	2,272.59	54.29	42.862		
8,250.00	7,757.46	7,535.00	7,515.18	52.54	18.79	-87.53	-210.74	1,042.18	2,333.23	2,278.75	54.48	42.829		
8,300.00	7,785.17	7,549.75	7,528.28	52.87	18.85	-85.91	-210.67	1,048.94	2,338.40	2,283.73	54.67	42.774		
8,350.00	7,809.46	7,566.00	7,542.55	53.19	18.91	-84.71	-210.42	1,056.72	2,342.43	2,287.53	54.90	42.665		
8,400.00	7,830.13	7,575.91	7,551.16	53.51	18.95	-83.78	-210.19	1,061.63	2,345.29	2,290.20	55.09	42.572		
8,450.00	7,847.03	7,598.00	7,570.08	53.82	19.05	-83.34	-209.50	1,072.99	2,347.03	2,291.57	55.46	42.316		
8,500.00	7,860.04	7,607.76	7,578.33	54.14	19.09	-83.00	-209.14	1,078.20	2,347.54	2,291.82	55.72	42.131		
8,550.00	7,869.04	8,550.00	7,672.20	54.44	24.31	-84.76	-208.40	1,149.98	2,346.24	2,284.34	61.90	37.904		
8,600.00	7,873.98	7,755.00	7,692.79	54.75	19.85	-85.36	-209.25	1,170.23	2,342.85	2,284.66	58.19	40.260		
8,635.17	7,875.00	7,755.00	7,692.79	54.96	19.85	-85.60	-209.25	1,170.23	2,339.86	2,281.50	58.36	40.092		
8,700.00	7,875.00	7,786.00	7,713.58	55.36	20.05	-86.11	-209.95	1,193.21	2,334.53	2,275.33	59.20	39.435		
8,800.00	7,875.00	7,818.00	7,733.50	56.06	20.27	-86.60	-210.39	1,218.24	2,328.89	2,268.55	60.34	38.597		
8,900.00	7,875.00	7,859.63	7,757.04	56.85	20.60	-87.17	-210.51	1,252.56	2,326.16	2,264.39	61.76	37.663		
8,933.19	7,875.00	7,870.52	7,762.72	57.13	20.69	-87.31	-210.41	1,261.85	2,325.93	2,263.71	62.22	37.384		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - EXIST HZ PROSPER FARMS 4-65 13-14 1H - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 2310-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,000.00	7,875.00	7,892.80	7,773.71	57.73	20.89	-87.59	-209.98	1,281.22	2,326.49	2,263.35	63.14	36.849		
9,100.00	7,875.00	7,941.30	7,794.42	58.72	21.36	-88.10	-208.19	1,325.02	2,329.72	2,264.81	64.91	35.892		
9,200.00	7,875.00	8,024.20	7,819.10	59.81	22.30	-88.71	-204.57	1,403.99	2,334.54	2,266.97	67.57	34.550		
9,300.00	7,875.00	8,155.69	7,835.75	61.00	24.10	-89.12	-199.89	1,534.13	2,339.03	2,267.40	71.62	32.657		
9,400.00	7,875.00	8,228.00	7,836.02	62.30	25.22	-89.13	-197.55	1,606.39	2,343.43	2,268.99	74.43	31.484		
9,500.00	7,875.00	8,437.64	7,834.51	63.70	28.98	-89.09	-194.28	1,815.96	2,346.14	2,264.81	81.33	28.847		
9,600.00	7,875.00	8,534.74	7,832.91	65.19	30.91	-89.05	-195.10	1,913.05	2,346.47	2,261.14	85.33	27.497		
9,700.00	7,875.00	8,623.33	7,832.08	66.78	32.75	-89.03	-195.48	2,001.64	2,347.20	2,257.98	89.22	26.309		
9,800.00	7,875.00	8,730.08	7,829.76	68.45	35.06	-88.98	-195.68	2,108.36	2,348.20	2,254.42	93.79	25.038		
9,900.00	7,875.00	8,836.14	7,826.32	70.20	37.43	-88.89	-196.41	2,214.36	2,348.71	2,250.27	98.45	23.858		
10,000.00	7,875.00	8,986.19	7,823.98	72.02	40.89	-88.84	-199.23	2,364.36	2,347.97	2,243.28	104.69	22.427		
10,100.00	7,875.00	9,085.08	7,822.01	73.91	43.22	-88.79	-202.25	2,463.18	2,346.10	2,236.77	109.33	21.460		
10,200.00	7,875.00	9,173.96	7,821.01	75.86	45.35	-88.76	-204.46	2,552.03	2,344.77	2,231.09	113.68	20.626		
10,300.00	7,875.00	9,277.18	7,820.23	77.87	47.86	-88.74	-206.87	2,655.22	2,343.60	2,225.01	118.59	19.763		
10,400.00	7,875.00	9,386.55	7,819.39	79.93	50.54	-88.72	-209.79	2,764.55	2,342.08	2,218.33	123.75	18.925		
10,500.00	7,875.00	9,462.58	7,818.14	82.03	52.43	-88.69	-211.78	2,840.54	2,340.71	2,212.91	127.80	18.316		
10,545.67	7,875.00	9,492.25	7,817.48	83.01	53.17	-88.67	-212.23	2,870.20	2,340.55	2,211.09	129.47	18.078		
10,600.00	7,875.00	9,533.75	7,816.47	84.18	54.20	-88.65	-212.58	2,911.69	2,340.74	2,209.06	131.68	17.776		
10,700.00	7,875.00	9,621.63	7,815.07	86.36	56.41	-88.61	-212.89	2,999.55	2,341.56	2,205.38	136.18	17.194		
10,800.00	7,875.00	9,717.11	7,813.81	88.58	58.81	-88.58	-212.85	3,095.03	2,342.78	2,201.79	140.99	16.617		
10,900.00	7,875.00	9,827.60	7,812.72	90.83	61.62	-88.56	-212.99	3,205.51	2,343.82	2,197.44	146.38	16.012		
11,000.00	7,875.00	9,923.16	7,810.46	93.11	64.05	-88.50	-213.44	3,301.04	2,344.56	2,193.31	151.24	15.502		
11,100.00	7,875.00	10,009.93	7,809.61	95.41	66.27	-88.48	-213.21	3,387.80	2,345.97	2,190.17	155.80	15.057		
11,200.00	7,875.00	10,114.55	7,807.78	97.74	68.96	-88.44	-212.99	3,492.41	2,347.37	2,186.33	161.04	14.576		
11,300.00	7,875.00	10,221.67	7,806.72	100.09	71.73	-88.41	-212.81	3,599.52	2,348.72	2,182.31	166.40	14.115		
11,400.00	7,875.00	10,331.20	7,806.66	102.46	74.56	-88.41	-213.20	3,709.05	2,349.49	2,177.62	171.87	13.670		
11,500.00	7,875.00	10,468.31	7,805.25	104.84	78.12	-88.38	-215.01	3,846.14	2,349.34	2,170.97	178.37	13.171		
11,600.00	7,875.00	10,548.00	7,805.41	107.25	80.20	-88.38	-216.21	3,925.82	2,348.95	2,166.17	182.77	12.852		
11,700.00	7,875.00	10,683.99	7,806.02	109.67	83.75	-88.40	-218.97	4,061.77	2,348.02	2,158.76	189.26	12.406		
11,800.00	7,875.00	10,774.09	7,805.07	112.10	86.11	-88.37	-221.47	4,151.83	2,346.44	2,152.37	194.07	12.091		
11,895.29	7,875.00	10,842.07	7,803.56	114.43	87.89	-88.34	-222.69	4,219.79	2,345.88	2,147.88	198.00	11.848		
11,900.00	7,875.00	10,845.33	7,803.49	114.55	87.98	-88.33	-222.73	4,223.04	2,345.88	2,147.69	198.19	11.836		
12,000.00	7,875.00	10,914.58	7,802.12	117.01	89.79	-88.30	-223.06	4,292.28	2,346.60	2,144.38	202.22	11.604		
12,100.00	7,875.00	11,017.29	7,801.34	119.48	92.49	-88.28	-222.79	4,394.98	2,348.03	2,140.51	207.52	11.315		
12,200.00	7,875.00	11,131.98	7,800.61	121.96	95.51	-88.27	-222.94	4,509.67	2,349.08	2,135.79	213.29	11.014		
12,300.00	7,875.00	11,264.14	7,801.68	124.46	98.99	-88.29	-224.78	4,641.80	2,348.73	2,129.02	219.71	10.690		
12,400.00	7,875.00	11,364.59	7,802.26	126.96	101.64	-88.31	-226.70	4,742.24	2,347.94	2,122.98	224.97	10.437		
12,500.00	7,875.00	11,467.68	7,801.95	129.47	104.37	-88.30	-228.70	4,845.31	2,347.16	2,116.85	230.32	10.191		
12,600.00	7,875.00	11,580.38	7,800.19	131.99	107.35	-88.25	-231.31	4,957.96	2,346.04	2,110.02	236.02	9.940		
12,700.00	7,875.00	11,669.27	7,798.53	134.51	109.70	-88.21	-233.47	5,046.81	2,344.82	2,103.96	240.85	9.735		
12,800.00	7,875.00	11,796.83	7,795.70	137.04	113.08	-88.14	-237.00	5,174.28	2,343.26	2,096.17	247.09	9.483		
12,900.00	7,875.00	11,887.60	7,793.60	139.58	115.49	-88.09	-240.00	5,264.98	2,341.18	2,089.17	252.01	9.290		
13,000.00	7,875.00	11,953.44	7,792.09	142.13	117.24	-88.05	-241.46	5,330.78	2,340.18	2,084.16	256.02	9.141		
13,050.28	7,875.00	11,997.30	7,790.98	143.41	118.40	-88.02	-242.02	5,374.63	2,340.15	2,081.73	258.42	9.056		
13,100.00	7,875.00	12,046.40	7,789.97	144.68	119.70	-88.00	-242.61	5,423.71	2,340.16	2,079.15	261.01	8.966		
13,200.00	7,875.00	12,133.46	7,789.06	147.24	122.02	-87.98	-243.41	5,510.76	2,340.43	2,074.64	265.79	8.806		
13,300.00	7,875.00	12,253.43	7,788.12	149.80	125.20	-87.95	-244.46	5,630.73	2,340.75	2,068.94	271.81	8.612		
13,355.90	7,875.00	12,302.95	7,787.50	151.24	126.52	-87.94	-245.09	5,680.23	2,340.70	2,066.17	274.52	8.526		
13,400.00	7,875.00	12,343.91	7,787.31	152.37	127.61	-87.93	-245.53	5,721.19	2,340.73	2,064.00	276.73	8.458		
13,500.00	7,875.00	12,462.19	7,785.25	154.94	130.76	-87.88	-247.51	5,839.44	2,340.23	2,057.54	282.69	8.278		
13,580.22	7,875.00	12,527.31	7,783.73	157.01	132.49	-87.85	-248.52	5,904.53	2,339.97	2,053.61	286.36	8.171		
13,600.00	7,875.00	12,541.58	7,783.45	157.52	132.87	-87.84	-248.68	5,918.79	2,339.99	2,052.79	287.20	8.148		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - EXIST HZ PROSPER FARMS 4-65 13-14 1H - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 2310-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
13,700.00	7,875.00	12,611.03	7,782.74	160.10	134.72	-87.82	-248.88	5,988.24	2,340.88	2,049.58	291.30	8.036		
13,800.00	7,875.00	12,719.27	7,782.53	162.68	137.60	-87.82	-248.47	6,096.48	2,342.42	2,045.51	296.92	7.889		
13,900.00	7,875.00	12,816.41	7,781.26	165.27	140.19	-87.79	-248.41	6,193.61	2,343.68	2,041.59	302.09	7.758		
14,000.00	7,875.00	12,952.43	7,780.56	167.86	143.81	-87.77	-249.02	6,329.62	2,344.45	2,035.68	308.77	7.593		
14,100.00	7,875.00	13,076.02	7,779.44	170.46	147.11	-87.74	-251.72	6,453.18	2,343.38	2,028.44	314.94	7.441		
14,200.00	7,875.00	13,172.83	7,779.03	173.06	149.70	-87.73	-253.99	6,549.96	2,342.20	2,022.06	320.13	7.316		
14,300.00	7,875.00	13,265.42	7,779.14	175.66	152.17	-87.73	-255.93	6,642.53	2,341.25	2,016.07	325.17	7.200		
14,400.00	7,875.00	13,367.13	7,779.80	178.26	154.89	-87.75	-257.84	6,744.22	2,340.48	2,009.92	330.56	7.080		
14,500.00	7,875.00	13,451.06	7,779.49	180.87	157.13	-87.74	-259.31	6,828.13	2,339.91	2,004.63	335.27	6.979		
14,519.88	7,875.00	13,467.05	7,779.41	181.39	157.56	-87.74	-259.51	6,844.12	2,339.89	2,003.71	336.18	6.960		
14,600.00	7,875.00	13,540.44	7,779.31	183.48	159.52	-87.74	-260.22	6,917.51	2,340.03	1,999.84	340.19	6.879		
14,700.00	7,875.00	13,645.43	7,779.71	186.09	162.33	-87.75	-261.13	7,022.49	2,340.29	1,994.59	345.70	6.770		
14,800.00	7,875.00	13,743.93	7,779.81	188.71	164.96	-87.75	-262.20	7,120.98	2,340.35	1,989.38	350.96	6.668		
14,900.00	7,875.00	13,854.00	7,781.03	191.33	167.91	-87.78	-263.43	7,231.04	2,340.33	1,983.65	356.68	6.561		
15,000.00	7,875.00	13,968.58	7,780.30	193.95	170.97	-87.76	-265.45	7,345.59	2,339.73	1,977.20	362.54	6.454		
15,100.00	7,875.00	14,085.40	7,777.12	196.57	174.10	-87.68	-268.40	7,462.34	2,338.46	1,970.01	368.45	6.347		
15,200.00	7,875.00	14,173.90	7,775.03	199.19	176.47	-87.63	-271.01	7,550.77	2,336.79	1,963.44	373.35	6.259		
15,271.46	7,875.00	14,218.76	7,774.14	201.07	177.67	-87.61	-271.82	7,595.61	2,336.38	1,960.22	376.16	6.211		
15,300.00	7,875.00	14,237.10	7,773.80	201.82	178.16	-87.60	-272.00	7,613.95	2,336.45	1,959.16	377.29	6.193		
15,400.00	7,875.00	14,339.00	7,772.18	204.45	180.89	-87.56	-272.83	7,715.83	2,336.84	1,954.17	382.68	6.107		
15,500.00	7,875.00	14,444.90	7,770.02	207.08	183.72	-87.51	-273.84	7,821.71	2,337.12	1,948.91	388.22	6.020		
15,600.00	7,875.00	14,558.97	7,768.99	209.71	186.78	-87.48	-275.48	7,935.75	2,336.86	1,942.78	394.07	5.930		
15,700.00	7,875.00	14,658.61	7,767.56	212.34	189.45	-87.45	-277.23	8,035.37	2,336.30	1,936.92	399.38	5.850		
15,771.82	7,875.00	14,719.00	7,766.45	214.23	191.06	-87.42	-278.26	8,095.74	2,335.99	1,933.21	402.77	5.800		
15,800.00	7,875.00	14,719.00	7,766.45	214.98	191.06	-87.42	-278.26	8,095.74	2,336.16	1,932.98	403.18	5.794		
15,900.00	7,875.00	14,719.00	7,766.45	217.61	191.06	-87.42	-278.26	8,095.74	2,339.51	1,935.36	404.15	5.789 SF		
16,000.00	7,875.00	14,719.00	7,766.45	220.25	191.06	-87.42	-278.26	8,095.74	2,347.12	1,942.71	404.41	5.804		
16,100.00	7,875.00	14,719.00	7,766.45	222.89	191.06	-87.42	-278.26	8,095.74	2,358.95	1,954.98	403.97	5.839		
16,200.00	7,875.00	14,719.00	7,766.45	225.53	191.06	-87.42	-278.26	8,095.74	2,374.94	1,972.08	402.86	5.895		
16,300.00	7,875.00	14,719.00	7,766.45	228.17	191.06	-87.42	-278.26	8,095.74	2,395.00	1,993.90	401.09	5.971		
16,400.00	7,875.00	14,719.00	7,766.45	230.81	191.06	-87.42	-278.26	8,095.74	2,419.02	2,020.30	398.72	6.067		
16,500.00	7,875.00	14,719.00	7,766.45	233.46	191.06	-87.42	-278.26	8,095.74	2,446.91	2,051.10	395.80	6.182		
16,600.00	7,875.00	14,719.00	7,766.45	236.10	191.06	-87.42	-278.26	8,095.74	2,478.51	2,086.14	392.38	6.317		
16,700.00	7,875.00	14,719.00	7,766.45	238.75	191.06	-87.42	-278.26	8,095.74	2,513.70	2,125.20	388.50	6.470		
16,800.00	7,875.00	14,719.00	7,766.45	241.40	191.06	-87.42	-278.26	8,095.74	2,552.33	2,168.09	384.24	6.643		
16,900.00	7,875.00	14,719.00	7,766.45	244.05	191.06	-87.42	-278.26	8,095.74	2,594.23	2,214.59	379.64	6.833		
17,000.00	7,875.00	14,719.00	7,766.45	246.70	191.06	-87.42	-278.26	8,095.74	2,639.27	2,264.50	374.76	7.042		
17,100.00	7,875.00	14,719.00	7,766.45	249.35	191.06	-87.42	-278.26	8,095.74	2,687.27	2,317.61	369.66	7.270		
17,200.00	7,875.00	14,719.00	7,766.45	252.00	191.06	-87.42	-278.26	8,095.74	2,738.08	2,373.70	364.38	7.514		
17,300.00	7,875.00	14,719.00	7,766.45	254.65	191.06	-87.42	-278.26	8,095.74	2,791.55	2,432.58	358.97	7.777		
17,400.00	7,875.00	14,719.00	7,766.45	257.31	191.06	-87.42	-278.26	8,095.74	2,847.53	2,494.07	353.46	8.056		
17,500.00	7,875.00	14,719.00	7,766.45	259.96	191.06	-87.42	-278.26	8,095.74	2,905.87	2,557.97	347.90	8.353		
17,600.00	7,875.00	14,719.00	7,766.45	262.62	191.06	-87.42	-278.26	8,095.74	2,966.44	2,624.12	342.32	8.666		
17,700.00	7,875.00	14,719.00	7,766.45	265.27	191.06	-87.42	-278.26	8,095.74	3,029.10	2,692.35	336.75	8.995		
17,800.00	7,875.00	14,719.00	7,766.45	267.93	191.06	-87.42	-278.26	8,095.74	3,093.72	2,762.52	331.20	9.341		
17,900.00	7,875.00	14,719.00	7,766.45	270.59	191.06	-87.42	-278.26	8,095.74	3,160.19	2,834.48	325.71	9.702		
18,000.00	7,875.00	14,719.00	7,766.45	273.24	191.06	-87.42	-278.26	8,095.74	3,228.38	2,908.09	320.29	10.080		
18,100.00	7,875.00	14,719.00	7,766.45	275.90	191.06	-87.42	-278.26	8,095.74	3,298.20	2,983.25	314.95	10.472		
18,200.00	7,875.00	14,719.00	7,766.45	278.56	191.06	-87.42	-278.26	8,095.74	3,369.54	3,059.84	309.70	10.880		
18,300.00	7,875.00	14,719.00	7,766.45	281.22	191.06	-87.42	-278.26	8,095.74	3,442.31	3,137.75	304.56	11.303		
18,400.00	7,875.00	14,719.00	7,766.45	283.89	191.06	-87.42	-278.26	8,095.74	3,516.41	3,216.88	299.53	11.740		
18,500.00	7,875.00	14,719.00	7,766.45	286.55	191.06	-87.42	-278.26	8,095.74	3,591.77	3,297.15	294.62	12.191		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design		SEC 15-T4S-R65W - EXIST HZ PROSPER FARMS 4-65 13-14 1H - OWB - FINAL SURVEY										Offset Site Error:	0.00 usft
Survey Program:		2310-MWD OWSG										Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
18,540.44	7,875.00	14,719.00	7,766.45	287.62	191.06	-87.42	-278.26	8,095.74	3,622.58	3,329.92	292.66	12.378	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - LONE TREE 4-65 15-16 1AH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	5.70	5.70	0.00	0.01	-0.12	275.02	-0.56	275.02					
100.00	100.00	105.70	105.70	0.13	0.15	-0.12	275.02	-0.56	275.02	274.73	0.29	950.692		
200.00	200.00	205.70	205.70	0.49	0.51	-0.12	275.02	-0.56	275.02	274.02	1.01	273.320		
206.19	206.19	211.89	211.89	0.52	0.54	-0.12	275.02	-0.56	275.02	273.97	1.05	261.777 CC		
250.00	250.00	255.31	255.31	0.67	0.69	-0.12	275.03	-0.56	275.03	273.66	1.36	201.745 ES		
300.00	300.00	301.83	301.83	0.84	0.86	-171.26	275.39	-0.27	275.84	274.14	1.70	162.060		
400.00	399.93	394.62	394.56	1.18	1.19	-170.93	277.85	1.74	281.95	279.57	2.38	118.362		
500.00	499.68	486.62	486.35	1.54	1.53	-170.33	282.59	5.61	294.01	290.93	3.08	95.520		
600.00	599.13	577.33	576.62	1.91	1.86	-169.53	289.50	11.23	311.99	308.21	3.78	82.599		
700.00	698.15	666.29	664.82	2.31	2.21	-168.60	298.43	18.51	335.82	331.34	4.48	75.040		
800.00	796.63	753.07	750.49	2.74	2.57	-167.59	309.18	27.26	365.40	360.23	5.17	70.680		
900.00	894.44	840.52	836.38	3.20	2.94	-166.55	321.91	37.63	400.46	394.59	5.87	68.216		
1,000.00	991.46	932.56	926.68	3.70	3.35	-165.63	335.75	48.91	439.24	432.64	6.60	66.506		
1,100.00	1,087.58	1,023.28	1,015.67	4.24	3.77	-164.91	349.39	60.02	481.15	473.82	7.33	65.622		
1,200.00	1,182.68	1,112.57	1,103.26	4.82	4.18	-164.35	362.82	70.95	526.12	518.05	8.07	65.217		
1,235.78	1,216.44	1,144.14	1,134.24	5.04	4.32	-164.18	367.56	74.82	542.94	534.60	8.34	65.134		
1,300.00	1,276.90	1,200.64	1,189.66	5.44	4.58	-164.08	376.06	81.74	573.47	564.66	8.80	65.159		
1,400.00	1,371.03	1,288.61	1,275.96	6.08	4.99	-163.95	389.29	92.52	621.00	611.47	9.53	65.181		
1,500.00	1,465.17	1,376.58	1,362.26	6.73	5.40	-163.84	402.51	103.29	668.54	658.28	10.26	65.158		
1,600.00	1,559.31	1,464.55	1,448.56	7.38	5.82	-163.74	415.74	114.06	716.08	705.08	11.00	65.106		
1,700.00	1,653.45	1,552.52	1,534.86	8.04	6.23	-163.66	428.97	124.84	763.62	751.88	11.74	65.037		
1,800.00	1,747.59	1,640.49	1,621.16	8.70	6.65	-163.58	442.19	135.61	811.16	798.68	12.49	64.958		
1,900.00	1,841.72	1,728.46	1,707.47	9.36	7.06	-163.51	455.42	146.39	858.71	845.47	13.24	64.872		
2,000.00	1,935.86	1,816.43	1,793.77	10.03	7.48	-163.45	468.65	157.16	906.25	892.26	13.99	64.784		
2,100.00	2,030.00	1,904.40	1,880.07	10.70	7.90	-163.40	481.88	167.94	953.80	939.05	14.74	64.696		
2,200.00	2,124.14	1,992.37	1,968.37	11.37	8.31	-163.35	495.10	178.71	1,001.34	985.84	15.50	64.608		
2,300.00	2,218.27	2,080.34	2,052.67	12.04	8.73	-163.30	508.33	189.49	1,048.89	1,032.63	16.26	64.522		
2,400.00	2,312.41	2,168.32	2,138.97	12.71	9.15	-163.26	521.56	200.26	1,096.44	1,079.42	17.02	64.438		
2,500.00	2,406.55	2,256.29	2,225.27	13.39	9.57	-163.23	534.78	211.04	1,143.98	1,126.21	17.78	64.357		
2,600.00	2,500.69	2,344.26	2,311.57	14.06	9.99	-163.19	548.01	221.81	1,191.53	1,172.99	18.54	64.279		
2,700.00	2,594.83	2,432.23	2,397.87	14.73	10.41	-163.16	561.24	232.59	1,239.08	1,219.78	19.30	64.203		
2,800.00	2,688.96	2,520.20	2,484.17	15.41	10.82	-163.13	574.47	243.36	1,286.63	1,266.56	20.06	64.131		
2,900.00	2,783.10	2,608.17	2,570.47	16.09	11.24	-163.10	587.69	254.14	1,334.17	1,313.35	20.83	64.061		
3,000.00	2,877.24	2,696.14	2,656.77	16.76	11.66	-163.08	600.92	264.91	1,381.72	1,360.13	21.59	63.994		
3,100.00	2,971.38	2,784.11	2,743.07	17.44	12.08	-163.05	614.15	275.68	1,429.27	1,406.91	22.36	63.929		
3,200.00	3,065.52	2,872.08	2,829.37	18.12	12.50	-163.03	627.37	286.46	1,476.82	1,453.70	23.12	63.867		
3,300.00	3,159.65	2,960.05	2,915.67	18.80	12.92	-163.01	640.60	297.23	1,524.37	1,500.48	23.89	63.808		
3,400.00	3,253.79	3,048.02	3,001.98	19.47	13.34	-162.99	653.83	308.01	1,571.92	1,547.26	24.66	63.751		
3,500.00	3,347.93	3,135.99	3,088.28	20.15	13.76	-162.97	667.06	318.78	1,619.47	1,594.04	25.43	63.696		
3,600.00	3,442.07	3,223.97	3,174.58	20.83	14.18	-162.96	680.28	329.56	1,667.02	1,640.82	26.19	63.643		
3,700.00	3,536.20	3,311.94	3,260.88	21.51	14.60	-162.94	693.51	340.33	1,714.57	1,687.60	26.96	63.592		
3,800.00	3,630.34	3,400.09	3,347.18	22.19	15.03	-162.92	706.74	351.11	1,762.12	1,734.38	27.73	63.541		
3,900.00	3,724.48	3,487.88	3,433.48	22.87	15.45	-162.91	719.96	361.88	1,809.67	1,781.17	28.50	63.495		
4,000.00	3,818.62	3,575.85	3,519.78	23.55	15.87	-162.90	733.19	372.66	1,857.22	1,827.95	29.27	63.450		
4,100.00	3,912.76	3,663.82	3,606.08	24.23	16.29	-162.88	746.42	383.43	1,904.77	1,874.72	30.04	63.405		
4,200.00	4,006.89	3,751.79	3,692.38	24.91	16.71	-162.87	759.65	394.21	1,952.32	1,921.50	30.81	63.363		
4,300.00	4,101.03	3,839.76	3,778.68	25.59	17.13	-162.86	772.87	404.98	1,999.87	1,968.28	31.58	63.321		
4,400.00	4,195.17	3,927.73	3,864.98	26.27	17.55	-162.85	786.10	415.76	2,047.42	2,015.06	32.35	63.281		
4,500.00	4,289.31	4,015.70	3,951.28	26.95	17.97	-162.84	799.33	426.53	2,094.97	2,061.84	33.13	63.243		
4,600.00	4,383.44	4,103.67	4,037.58	27.63	18.39	-162.82	812.55	437.31	2,142.52	2,108.62	33.90	63.205		
4,700.00	4,477.58	4,208.36	4,123.88	28.31	18.89	-162.81	825.78	448.08	2,190.07	2,155.33	34.74	63.043		
4,800.00	4,571.72	4,279.61	4,210.19	28.99	19.23	-162.81	839.01	458.85	2,237.62	2,202.17	35.44	63.133		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - LONE TREE 4-65 15-16 1AH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,900.00	4,665.86	4,367.59	4,296.49	29.67	19.65	-162.80	852.24	469.63	2,285.17	2,248.95	36.22	63.099		
5,000.00	4,760.00	4,455.56	4,382.79	30.35	20.07	-162.79	865.46	480.40	2,332.72	2,295.73	36.99	63.065		
5,100.00	4,854.13	4,543.53	4,469.09	31.03	20.50	-162.78	878.69	491.18	2,380.27	2,342.51	37.76	63.033		
5,200.00	4,948.27	4,631.50	4,555.39	31.71	20.92	-162.77	891.92	501.95	2,427.82	2,389.28	38.54	63.001		
5,300.00	5,042.41	4,719.47	4,641.69	32.39	21.34	-162.76	905.14	512.73	2,475.37	2,436.06	39.31	62.970		
5,400.00	5,136.55	4,807.44	4,727.99	33.07	21.76	-162.76	918.37	523.50	2,522.92	2,482.84	40.08	62.940		
5,500.00	5,230.69	4,904.59	4,814.29	33.75	22.22	-162.75	931.60	534.28	2,570.47	2,529.57	40.90	62.852		
5,600.00	5,324.82	4,983.38	4,900.59	34.43	22.60	-162.74	944.83	545.05	2,618.02	2,576.39	41.63	62.882		
5,700.00	5,418.96	5,071.35	4,986.89	35.12	23.02	-162.73	958.05	555.83	2,665.57	2,623.16	42.41	62.854		
5,800.00	5,513.10	5,159.32	5,073.19	35.80	23.44	-162.73	971.28	566.60	2,713.12	2,669.94	43.18	62.826		
5,900.00	5,607.24	5,247.29	5,159.49	36.48	23.86	-162.72	984.51	577.38	2,760.67	2,716.71	43.96	62.799		
6,000.00	5,701.37	5,335.26	5,245.79	37.16	24.29	-162.72	997.73	588.15	2,808.22	2,763.49	44.74	62.773		
6,100.00	5,795.51	5,423.24	5,332.09	37.84	24.71	-162.71	1,010.96	598.93	2,855.77	2,810.26	45.51	62.747		
6,200.00	5,889.65	5,511.21	5,418.40	38.52	25.13	-162.70	1,024.19	609.70	2,903.32	2,857.04	46.29	62.721		
6,300.00	5,983.79	5,599.18	5,504.70	39.20	25.55	-162.70	1,037.42	620.47	2,950.88	2,903.81	47.07	62.697		
6,400.00	6,077.93	5,687.15	5,591.00	39.88	25.97	-162.69	1,050.64	631.25	2,998.43	2,950.58	47.84	62.672		
6,500.00	6,172.06	5,775.12	5,677.30	40.56	26.39	-162.69	1,063.87	642.02	3,045.98	2,997.36	48.62	62.648		
6,600.00	6,266.20	5,863.09	5,763.60	41.25	26.81	-162.68	1,077.10	652.80	3,093.53	3,044.13	49.40	62.624		
6,700.00	6,360.34	5,951.06	5,849.90	41.93	27.23	-162.68	1,090.32	663.57	3,141.08	3,090.90	50.18	62.601		
6,800.00	6,454.48	6,039.03	5,936.20	42.61	27.66	-162.67	1,103.55	674.35	3,188.63	3,137.68	50.95	62.578		
6,900.00	6,548.61	6,127.00	6,022.50	43.29	28.08	-162.67	1,116.78	685.12	3,236.18	3,184.45	51.73	62.556		
7,000.00	6,642.75	6,214.97	6,108.80	43.97	28.50	-162.66	1,130.01	695.90	3,283.73	3,231.22	52.51	62.534		
7,100.00	6,736.89	6,302.94	6,195.10	44.65	28.92	-162.66	1,143.23	706.67	3,331.28	3,277.99	53.29	62.512		
7,200.00	6,831.03	6,409.09	6,281.40	45.33	29.43	-162.66	1,156.46	717.45	3,378.83	3,324.69	54.15	62.403		
7,300.00	6,925.17	6,478.88	6,367.70	46.02	29.76	-162.65	1,169.69	728.22	3,426.38	3,371.54	54.85	62.469		
7,400.00	7,019.30	6,566.86	6,454.00	46.70	30.18	-162.65	1,182.91	739.00	3,473.94	3,418.31	55.63	62.448		
7,500.00	7,113.44	6,654.83	6,540.30	47.38	30.61	-162.64	1,196.14	749.77	3,521.49	3,465.08	56.41	62.427		
7,600.00	7,207.58	6,742.80	6,626.61	48.06	31.03	-162.64	1,209.37	760.55	3,569.04	3,511.85	57.19	62.407		
7,700.00	7,301.72	6,830.77	6,712.91	48.74	31.45	-162.64	1,222.60	771.32	3,616.59	3,558.62	57.97	62.386		
7,766.97	7,364.76	6,889.68	6,770.70	49.20	31.73	-162.63	1,231.45	778.54	3,648.43	3,589.94	58.49	62.373		
7,800.00	7,395.79	6,918.79	6,799.26	49.43	31.87	-152.11	1,235.83	782.10	3,664.01	3,605.25	58.76	62.361		
7,850.00	7,442.34	6,962.90	6,842.53	49.78	32.08	-137.98	1,242.46	787.50	3,687.01	3,627.84	59.16	62.320		
7,900.00	7,488.07	7,006.77	6,885.57	50.13	32.29	-126.37	1,249.06	792.88	3,709.17	3,649.59	59.58	62.256		
7,950.00	7,532.63	7,050.06	6,928.03	50.48	32.50	-117.08	1,255.57	798.18	3,730.35	3,670.35	60.00	62.169		
8,000.00	7,575.69	7,107.56	6,969.61	50.84	32.77	-109.67	1,261.94	803.37	3,750.45	3,689.96	60.49	61.998		
8,050.00	7,616.91	7,133.60	7,009.99	51.18	32.90	-103.74	1,268.13	808.41	3,769.36	3,708.50	60.86	61.935		
8,100.00	7,655.99	7,173.21	7,048.85	51.53	33.09	-98.97	1,274.08	813.26	3,786.99	3,725.70	61.29	61.787		
8,150.00	7,692.62	7,210.98	7,085.90	51.87	33.27	-95.09	1,279.76	817.89	3,803.30	3,741.57	61.72	61.619		
8,200.00	7,726.53	7,246.62	7,120.86	52.21	33.44	-91.93	1,285.12	822.25	3,818.22	3,756.06	62.16	61.427		
8,250.00	7,757.46	7,279.86	7,153.47	52.54	33.60	-89.35	1,290.12	826.33	3,831.73	3,769.13	62.60	61.211		
8,300.00	7,785.17	7,310.44	7,183.47	52.87	33.75	-87.25	1,294.72	830.07	3,843.80	3,780.76	63.04	60.970		
8,350.00	7,809.46	7,338.13	7,210.64	53.19	33.88	-85.56	1,298.88	833.46	3,854.43	3,790.93	63.50	60.701		
8,400.00	7,830.13	7,362.73	7,234.77	53.51	34.00	-84.22	1,302.58	836.47	3,863.60	3,799.64	63.96	60.405		
8,450.00	7,847.03	7,388.16	7,259.76	53.82	34.11	-83.23	1,306.41	839.19	3,871.31	3,806.85	64.46	60.054		
8,500.00	7,860.04	7,406.29	7,277.64	54.14	34.19	-82.46	1,309.14	840.45	3,877.58	3,812.64	64.94	59.711		
8,550.00	7,869.04	7,417.55	7,288.75	54.44	34.24	-81.88	1,310.84	840.95	3,882.42	3,817.03	65.39	59.371		
8,600.00	7,873.98	7,423.42	7,294.56	54.75	34.26	-81.50	1,311.73	841.12	3,885.87	3,820.03	65.84	59.020		
8,635.17	7,875.00	7,424.96	7,296.08	54.96	34.27	-81.35	1,311.96	841.16	3,887.44	3,821.29	66.15	58.764		
8,700.00	7,875.00	7,425.99	7,297.09	55.36	34.27	-81.36	1,312.11	841.18	3,890.25	3,823.49	66.76	58.276		
8,800.00	7,875.00	7,427.24	7,298.34	56.06	34.28	-81.38	1,312.30	841.20	3,896.69	3,828.92	67.76	57.505		
8,900.00	7,875.00	7,428.22	7,299.30	56.85	34.28	-81.39	1,312.45	841.22	3,905.67	3,836.82	68.85	56.723		
9,000.00	7,875.00	7,429.01	7,300.08	57.73	34.28	-81.41	1,312.57	841.23	3,917.19	3,847.17	70.02	55.943		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - LONE TREE 4-65 15-16 1AH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,100.00	7,875.00	7,429.65	7,300.72	58.72	34.29	-81.41	1,312.67	841.24	3,931.22	3,859.97	71.25	55.176		
9,200.00	7,875.00	7,430.19	7,301.25	59.81	34.29	-81.42	1,312.75	841.24	3,947.74	3,875.21	72.53	54.430		
9,300.00	7,875.00	7,430.64	7,301.70	61.00	34.29	-81.43	1,312.82	841.25	3,966.71	3,892.86	73.85	53.715		
9,400.00	7,875.00	7,431.03	7,302.08	62.30	34.29	-81.43	1,312.88	841.25	3,988.09	3,912.89	75.20	53.035		
9,500.00	7,875.00	7,431.37	7,302.42	63.70	34.29	-81.44	1,312.93	841.26	4,011.85	3,935.29	76.57	52.396		
9,600.00	7,875.00	7,431.67	7,302.71	65.19	34.29	-81.44	1,312.97	841.26	4,037.96	3,960.01	77.95	51.802		
9,700.00	7,875.00	7,431.93	7,302.97	66.78	34.30	-81.45	1,313.01	841.26	4,066.35	3,987.01	79.34	51.254		
9,800.00	7,875.00	7,432.16	7,303.20	68.45	34.30	-81.45	1,313.05	841.26	4,096.99	4,016.27	80.72	50.755		
9,900.00	7,875.00	7,432.37	7,303.41	70.20	34.30	-81.45	1,313.08	841.26	4,129.82	4,047.72	82.10	50.304		
10,000.00	7,875.00	7,432.56	7,303.59	72.02	34.30	-81.46	1,313.11	841.27	4,164.80	4,081.34	83.46	49.902		
10,100.00	7,875.00	7,432.73	7,303.76	73.91	34.30	-81.46	1,313.13	841.27	4,201.86	4,117.06	84.80	49.548		
10,200.00	7,875.00	7,450.00	7,320.83	75.86	34.37	-81.71	1,315.74	841.14	4,241.09	4,154.83	86.27	49.162		
10,300.00	7,875.00	7,450.00	7,320.83	77.87	34.37	-81.71	1,315.74	841.14	4,282.18	4,194.61	87.56	48.903		
10,400.00	7,875.00	7,450.00	7,320.83	79.93	34.37	-81.71	1,315.74	841.14	4,325.18	4,236.35	88.83	48.690		
10,500.00	7,875.00	7,450.00	7,320.83	82.03	34.37	-81.71	1,315.74	841.14	4,370.05	4,279.98	90.07	48.519		
10,600.00	7,875.00	7,450.00	7,320.83	84.18	34.37	-81.71	1,315.74	841.14	4,416.72	4,325.45	91.27	48.391		
10,700.00	7,875.00	7,450.00	7,320.83	86.36	34.37	-81.71	1,315.74	841.14	4,465.15	4,372.71	92.44	48.301		
10,800.00	7,875.00	7,450.00	7,320.83	88.58	34.37	-81.71	1,315.74	841.14	4,515.28	4,421.70	93.58	48.250		
10,900.00	7,875.00	7,450.00	7,320.83	90.83	34.37	-81.71	1,315.74	841.14	4,567.04	4,472.36	94.68	48.236 SF		
11,000.00	7,875.00	7,450.00	7,320.83	93.11	34.37	-81.71	1,315.74	841.14	4,620.39	4,524.64	95.75	48.256		
11,100.00	7,875.00	7,450.00	7,320.83	95.41	34.37	-81.71	1,315.74	841.14	4,675.27	4,578.49	96.78	48.309		
11,200.00	7,875.00	7,450.00	7,320.83	97.74	34.37	-81.71	1,315.74	841.14	4,731.63	4,633.86	97.77	48.394		
11,300.00	7,875.00	7,450.00	7,320.83	100.09	34.37	-81.71	1,315.74	841.14	4,789.41	4,690.68	98.73	48.509		
11,400.00	7,875.00	7,450.00	7,320.83	102.46	34.37	-81.71	1,315.74	841.14	4,848.57	4,748.91	99.66	48.652		
11,500.00	7,875.00	7,450.00	7,320.83	104.84	34.37	-81.71	1,315.74	841.14	4,909.05	4,808.50	100.55	48.823		
11,600.00	7,875.00	7,450.00	7,320.83	107.25	34.37	-81.71	1,315.74	841.14	4,970.80	4,869.40	101.41	49.019		
11,700.00	7,875.00	7,450.00	7,320.83	109.67	34.37	-81.71	1,315.74	841.14	5,033.79	4,931.56	102.23	49.239		
11,800.00	7,875.00	7,450.00	7,320.83	112.10	34.37	-81.71	1,315.74	841.14	5,097.96	4,994.93	103.02	49.483		
11,900.00	7,875.00	7,450.00	7,320.83	114.55	34.37	-81.71	1,315.74	841.14	5,163.27	5,059.48	103.79	49.749		
12,000.00	7,875.00	7,450.00	7,320.83	117.01	34.37	-81.71	1,315.74	841.14	5,229.67	5,125.15	104.52	50.036		
12,100.00	7,875.00	7,450.00	7,320.83	119.48	34.37	-81.71	1,315.74	841.14	5,297.13	5,191.91	105.22	50.342		
12,200.00	7,875.00	7,450.00	7,320.83	121.96	34.37	-81.71	1,315.74	841.14	5,365.61	5,259.71	105.90	50.668		
12,300.00	7,875.00	7,450.00	7,320.83	124.46	34.37	-81.71	1,315.74	841.14	5,435.06	5,328.51	106.55	51.011		
12,400.00	7,875.00	7,450.00	7,320.83	126.96	34.37	-81.71	1,315.74	841.14	5,505.45	5,398.29	107.17	51.372		
12,500.00	7,875.00	7,450.00	7,320.83	129.47	34.37	-81.71	1,315.74	841.14	5,576.75	5,468.99	107.77	51.749		
12,600.00	7,875.00	7,450.00	7,320.83	131.99	34.37	-81.71	1,315.74	841.14	5,648.92	5,540.58	108.34	52.142		
12,700.00	7,875.00	7,450.00	7,320.83	134.51	34.37	-81.71	1,315.74	841.14	5,721.93	5,613.04	108.89	52.549		
12,800.00	7,875.00	7,450.00	7,320.83	137.04	34.37	-81.71	1,315.74	841.14	5,795.74	5,686.32	109.42	52.970		
12,900.00	7,875.00	7,450.00	7,320.83	139.58	34.37	-81.71	1,315.74	841.14	5,870.33	5,760.40	109.92	53.404		
13,000.00	7,875.00	7,450.00	7,320.83	142.13	34.37	-81.71	1,315.74	841.14	5,945.66	5,835.25	110.41	53.852		
13,100.00	7,875.00	7,450.00	7,320.83	144.68	34.37	-81.71	1,315.74	841.14	6,021.71	5,910.84	110.87	54.311		
13,200.00	7,875.00	7,450.00	7,320.83	147.24	34.37	-81.71	1,315.74	841.14	6,098.46	5,987.13	111.32	54.782		
13,300.00	7,875.00	7,450.00	7,320.83	149.80	34.37	-81.71	1,315.74	841.14	6,175.86	6,064.11	111.75	55.264		
13,400.00	7,875.00	7,450.00	7,320.83	152.37	34.37	-81.71	1,315.74	841.14	6,253.91	6,141.75	112.17	55.756		
13,500.00	7,875.00	7,450.00	7,320.83	154.94	34.37	-81.71	1,315.74	841.14	6,332.58	6,220.02	112.56	56.259		
13,600.00	7,875.00	7,450.00	7,320.83	157.52	34.37	-81.71	1,315.74	841.14	6,411.84	6,298.90	112.94	56.771		
13,700.00	7,875.00	7,450.00	7,320.83	160.10	34.37	-81.71	1,315.74	841.14	6,491.68	6,378.37	113.31	57.292		
13,800.00	7,875.00	7,450.00	7,320.83	162.68	34.37	-81.71	1,315.74	841.14	6,572.06	6,458.40	113.66	57.822		
13,900.00	7,875.00	7,450.00	7,320.83	165.27	34.37	-81.71	1,315.74	841.14	6,652.98	6,538.98	114.00	58.360		
14,000.00	7,875.00	7,450.00	7,320.83	167.86	34.37	-81.71	1,315.74	841.14	6,734.41	6,620.09	114.32	58.906		
14,100.00	7,875.00	7,450.00	7,320.83	170.46	34.37	-81.71	1,315.74	841.14	6,816.34	6,701.70	114.64	59.460		
14,200.00	7,875.00	7,450.00	7,320.83	173.06	34.37	-81.71	1,315.74	841.14	6,898.74	6,783.80	114.94	60.021		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - LONE TREE 4-65 15-16 1AH - OWB - PROPOSAL 1												Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
14,300.00	7,875.00	7,450.00	7,320.83	175.66	34.37	-81.71	1,315.74	841.14	6,981.60	6,866.37	115.23	60.589	
14,400.00	7,875.00	7,450.00	7,320.83	178.26	34.37	-81.71	1,315.74	841.14	7,064.90	6,949.40	115.51	61.164	
14,500.00	7,875.00	7,450.00	7,320.83	180.87	34.37	-81.71	1,315.74	841.14	7,148.64	7,032.86	115.78	61.745	
14,600.00	7,875.00	7,450.00	7,320.83	183.48	34.37	-81.71	1,315.74	841.14	7,232.78	7,116.75	116.04	62.332	
14,700.00	7,875.00	7,450.00	7,320.83	186.09	34.37	-81.71	1,315.74	841.14	7,317.33	7,201.04	116.29	62.925	
14,800.00	7,875.00	7,450.00	7,320.83	188.71	34.37	-81.71	1,315.74	841.14	7,402.26	7,285.73	116.53	63.524	
14,900.00	7,875.00	7,450.00	7,320.83	191.33	34.37	-81.71	1,315.74	841.14	7,487.56	7,370.80	116.76	64.128	
15,000.00	7,875.00	7,450.00	7,320.83	193.95	34.37	-81.71	1,315.74	841.14	7,573.22	7,456.24	116.98	64.738	
15,100.00	7,875.00	7,450.00	7,320.83	196.57	34.37	-81.71	1,315.74	841.14	7,659.23	7,542.03	117.20	65.352	
15,200.00	7,875.00	7,450.00	7,320.83	199.19	34.37	-81.71	1,315.74	841.14	7,745.58	7,628.17	117.41	65.971	
15,300.00	7,875.00	7,450.00	7,320.83	201.82	34.37	-81.71	1,315.74	841.14	7,832.25	7,714.64	117.61	66.595	
15,400.00	7,875.00	7,450.00	7,320.83	204.45	34.37	-81.71	1,315.74	841.14	7,919.24	7,801.43	117.81	67.223	
15,500.00	7,875.00	7,450.00	7,320.83	207.08	34.37	-81.71	1,315.74	841.14	8,006.52	7,888.53	118.00	67.855	
15,600.00	7,875.00	7,450.00	7,320.83	209.71	34.37	-81.71	1,315.74	841.14	8,094.11	7,975.93	118.18	68.491	
15,700.00	7,875.00	7,450.00	7,320.83	212.34	34.37	-81.71	1,315.74	841.14	8,181.98	8,063.62	118.35	69.131	
15,800.00	7,875.00	7,450.00	7,320.83	214.98	34.37	-81.71	1,315.74	841.14	8,270.12	8,151.59	118.53	69.775	
15,900.00	7,875.00	7,450.00	7,320.83	217.61	34.37	-81.71	1,315.74	841.14	8,358.53	8,239.84	118.69	70.422	
16,000.00	7,875.00	7,450.00	7,320.83	220.25	34.37	-81.71	1,315.74	841.14	8,447.20	8,328.34	118.85	71.073	
16,100.00	7,875.00	7,450.00	7,320.83	222.89	34.37	-81.71	1,315.74	841.14	8,536.12	8,417.11	119.01	71.727	
16,200.00	7,875.00	7,450.00	7,320.83	225.53	34.37	-81.71	1,315.74	841.14	8,625.28	8,506.12	119.16	72.384	
16,300.00	7,875.00	7,450.00	7,320.83	228.17	34.37	-81.71	1,315.74	841.14	8,714.68	8,595.37	119.31	73.044	
16,400.00	7,875.00	7,450.00	7,320.83	230.81	34.37	-81.71	1,315.74	841.14	8,804.30	8,684.85	119.45	73.707	
16,500.00	7,875.00	7,450.00	7,320.83	233.46	34.37	-81.71	1,315.74	841.14	8,894.15	8,774.56	119.59	74.373	
16,600.00	7,875.00	7,450.00	7,320.83	236.10	34.37	-81.71	1,315.74	841.14	8,984.21	8,864.49	119.72	75.041	
16,700.00	7,875.00	7,450.00	7,320.83	238.75	34.37	-81.71	1,315.74	841.14	9,074.48	8,954.62	119.85	75.712	
16,800.00	7,875.00	7,450.00	7,320.83	241.40	34.37	-81.71	1,315.74	841.14	9,164.95	9,044.97	119.98	76.386	
16,900.00	7,875.00	7,450.00	7,320.83	244.05	34.37	-81.71	1,315.74	841.14	9,255.62	9,135.51	120.11	77.062	
17,000.00	7,875.00	7,450.00	7,320.83	246.70	34.37	-81.71	1,315.74	841.14	9,346.47	9,226.25	120.23	77.740	
17,100.00	7,875.00	7,450.00	7,320.83	249.35	34.37	-81.71	1,315.74	841.14	9,437.52	9,317.17	120.34	78.421	
17,200.00	7,875.00	7,450.00	7,320.83	252.00	34.37	-81.71	1,315.74	841.14	9,528.74	9,408.28	120.46	79.103	
17,300.00	7,875.00	7,450.00	7,320.83	254.65	34.37	-81.71	1,315.74	841.14	9,620.14	9,499.56	120.57	79.788	
17,400.00	7,875.00	7,450.00	7,320.83	257.31	34.37	-81.71	1,315.74	841.14	9,711.70	9,591.02	120.68	80.474	
17,500.00	7,875.00	7,450.00	7,320.83	259.96	34.37	-81.71	1,315.74	841.14	9,803.43	9,682.64	120.79	81.162	
17,600.00	7,875.00	7,450.00	7,320.83	262.62	34.37	-81.71	1,315.74	841.14	9,895.32	9,774.43	120.89	81.852	
17,700.00	7,875.00	7,450.00	7,320.83	265.27	34.37	-81.71	1,315.74	841.14	9,987.37	9,866.38	120.99	82.544	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - LONE TREE 4-65 15-16 1BH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	4.90	4.90	0.00	0.01	-0.14	225.12	-0.56	225.12					
100.00	100.00	104.90	104.90	0.13	0.15	-0.14	225.12	-0.56	225.12	224.84	0.29	785.990		
200.00	200.00	204.90	204.90	0.49	0.51	-0.14	225.12	-0.56	225.12	224.12	1.00	224.368		
250.00	250.00	254.90	254.90	0.67	0.69	-0.14	225.12	-0.56	225.12	223.76	1.36	165.308 CC, ES		
300.00	300.00	302.89	302.89	0.84	0.86	-171.24	225.36	-0.14	225.80	224.09	1.70	132.516		
400.00	399.93	398.99	398.92	1.18	1.20	-170.61	226.99	2.83	230.96	228.57	2.39	96.617		
500.00	499.68	494.41	494.11	1.54	1.55	-169.47	230.16	8.56	241.25	238.16	3.10	77.893		
600.00	599.13	588.71	587.92	1.91	1.90	-167.95	234.78	16.95	256.76	252.94	3.81	67.303		
700.00	698.15	683.34	681.72	2.31	2.28	-166.20	240.82	27.88	277.41	272.86	4.55	61.030		
800.00	796.63	780.05	777.50	2.74	2.67	-164.68	247.27	39.58	301.90	296.61	5.29	57.034		
900.00	894.44	875.93	872.46	3.20	3.06	-163.51	253.67	51.19	329.77	323.72	6.05	54.543		
1,000.00	991.46	970.88	966.50	3.70	3.45	-162.64	260.01	62.68	360.90	354.09	6.80	53.056		
1,100.00	1,087.58	1,064.77	1,059.49	4.24	3.84	-162.01	266.28	74.04	395.21	387.64	7.56	52.250		
1,200.00	1,182.68	1,157.49	1,151.32	4.82	4.23	-161.57	272.47	85.26	432.62	424.29	8.33	51.944		
1,235.78	1,216.44	1,209.64	1,183.88	5.04	4.45	-161.45	274.67	89.24	446.76	438.07	8.69	51.438		
1,300.00	1,276.90	1,249.21	1,242.16	5.44	4.61	-161.43	278.60	96.36	472.47	463.37	9.09	51.949		
1,400.00	1,371.03	1,340.84	1,332.91	6.08	5.00	-161.40	284.72	107.45	512.51	502.65	9.86	52.003		
1,500.00	1,465.17	1,432.47	1,423.66	6.73	5.38	-161.38	290.83	118.54	552.55	541.93	10.62	52.019		
1,600.00	1,559.31	1,524.11	1,514.42	7.38	5.77	-161.36	296.95	129.63	592.59	581.20	11.39	52.012		
1,700.00	1,653.45	1,615.74	1,605.17	8.04	6.15	-161.34	303.07	140.72	632.63	620.46	12.17	51.989		
1,800.00	1,747.59	1,707.37	1,695.93	8.70	6.54	-161.33	309.19	151.81	672.67	659.72	12.95	51.956		
1,900.00	1,841.72	1,800.99	1,786.68	9.36	6.93	-161.31	315.31	162.89	712.71	698.98	13.74	51.886		
2,000.00	1,935.86	1,909.36	1,877.44	10.03	7.39	-161.30	321.43	173.98	752.75	738.17	14.59	51.604		
2,100.00	2,030.00	1,982.27	1,968.19	10.70	7.70	-161.29	327.54	185.07	792.79	777.50	15.30	51.829		
2,200.00	2,124.14	2,073.91	2,058.94	11.37	8.09	-161.28	333.66	196.16	832.83	816.75	16.08	51.784		
2,300.00	2,218.27	2,165.54	2,149.70	12.04	8.47	-161.27	339.78	207.25	872.88	856.00	16.87	51.738		
2,400.00	2,312.41	2,257.18	2,240.45	12.71	8.86	-161.26	345.90	218.34	912.92	895.26	17.66	51.693		
2,500.00	2,406.55	2,348.81	2,331.21	13.39	9.25	-161.25	352.02	229.43	952.96	934.51	18.45	51.649		
2,600.00	2,500.69	2,440.44	2,421.96	14.06	9.64	-161.25	358.13	240.52	993.00	973.76	19.24	51.606		
2,700.00	2,594.83	2,532.08	2,512.71	14.73	10.03	-161.24	364.25	251.61	1,033.04	1,013.01	20.03	51.564		
2,800.00	2,688.96	2,623.71	2,603.47	15.41	10.41	-161.24	370.37	262.70	1,073.08	1,052.25	20.83	51.524		
2,900.00	2,783.10	2,715.34	2,694.22	16.09	10.80	-161.23	376.49	273.79	1,113.12	1,091.50	21.62	51.485		
3,000.00	2,877.24	2,806.98	2,784.98	16.76	11.19	-161.22	382.61	284.87	1,153.16	1,130.75	22.41	51.447		
3,100.00	2,971.38	2,901.39	2,875.73	17.44	11.59	-161.22	388.73	295.96	1,193.20	1,169.98	23.22	51.386		
3,200.00	3,065.52	3,009.76	2,966.49	18.12	12.05	-161.22	394.84	307.05	1,233.24	1,209.16	24.08	51.207		
3,300.00	3,159.65	3,081.88	3,057.24	18.80	12.36	-161.21	400.96	318.14	1,273.28	1,248.48	24.80	51.342		
3,400.00	3,253.79	3,173.51	3,147.99	19.47	12.74	-161.21	407.08	329.23	1,313.33	1,287.73	25.60	51.310		
3,500.00	3,347.93	3,265.15	3,238.75	20.15	13.13	-161.20	413.20	340.32	1,353.37	1,326.97	26.39	51.279		
3,600.00	3,442.07	3,356.78	3,329.50	20.83	13.52	-161.20	419.32	351.41	1,393.41	1,366.22	27.19	51.249		
3,700.00	3,536.20	3,448.41	3,420.26	21.51	13.91	-161.20	425.44	362.50	1,433.45	1,405.46	27.99	51.219		
3,800.00	3,630.34	3,540.05	3,511.01	22.19	14.30	-161.19	431.55	373.59	1,473.49	1,444.71	28.78	51.191		
3,900.00	3,724.48	3,631.68	3,601.76	22.87	14.69	-161.19	437.67	384.68	1,513.53	1,483.95	29.58	51.164		
4,000.00	3,818.62	3,723.31	3,692.52	23.55	15.08	-161.19	443.79	395.77	1,553.57	1,523.19	30.38	51.138		
4,100.00	3,912.76	3,814.95	3,783.27	24.23	15.46	-161.19	449.91	406.85	1,593.61	1,562.43	31.18	51.113		
4,200.00	4,006.89	3,906.58	3,874.03	24.91	15.85	-161.18	456.03	417.94	1,633.65	1,601.68	31.98	51.088		
4,300.00	4,101.03	4,001.79	3,964.78	25.59	16.26	-161.18	462.14	429.03	1,673.69	1,640.90	32.79	51.042		
4,400.00	4,195.17	4,089.85	4,055.54	26.27	16.63	-161.18	468.26	440.12	1,713.74	1,680.16	33.58	51.042		
4,500.00	4,289.31	4,181.48	4,146.29	26.95	17.02	-161.18	474.38	451.21	1,753.78	1,719.40	34.37	51.019		
4,600.00	4,383.44	4,273.11	4,237.04	27.63	17.41	-161.17	480.50	462.30	1,793.82	1,758.64	35.17	50.998		
4,700.00	4,477.58	4,364.75	4,327.80	28.31	17.80	-161.17	486.62	473.39	1,833.86	1,797.88	35.97	50.977		
4,800.00	4,571.72	4,456.38	4,418.55	28.99	18.19	-161.17	492.74	484.48	1,873.90	1,837.12	36.77	50.957		
4,900.00	4,665.86	4,548.02	4,509.31	29.67	18.57	-161.17	498.85	495.57	1,913.94	1,876.37	37.57	50.937		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - LONE TREE 4-65 15-16 1BH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	4,760.00	4,639.65	4,600.06	30.35	18.96	-161.17	504.97	506.66	1,953.98	1,915.61	38.38	50.918		
5,100.00	4,854.13	4,731.28	4,690.81	31.03	19.35	-161.16	511.09	517.75	1,994.02	1,954.85	39.18	50.899		
5,200.00	4,948.27	4,822.92	4,781.57	31.71	19.74	-161.16	517.21	528.83	2,034.06	1,994.09	39.98	50.881		
5,300.00	5,042.41	4,914.55	4,872.32	32.39	20.13	-161.16	523.33	539.92	2,074.10	2,033.33	40.78	50.863		
5,400.00	5,136.55	5,006.18	4,963.08	33.07	20.52	-161.16	529.45	551.01	2,114.14	2,072.56	41.58	50.845		
5,500.00	5,230.69	5,102.18	5,053.83	33.75	20.93	-161.16	535.56	562.10	2,154.19	2,111.79	42.40	50.807		
5,600.00	5,324.82	5,189.45	5,144.59	34.43	21.30	-161.16	541.68	573.19	2,194.23	2,151.04	43.18	50.812		
5,700.00	5,418.96	5,281.08	5,235.34	35.12	21.69	-161.16	547.80	584.28	2,234.27	2,190.28	43.99	50.796		
5,800.00	5,513.10	5,372.72	5,326.09	35.80	22.07	-161.15	553.92	595.37	2,274.31	2,229.52	44.79	50.780		
5,900.00	5,607.24	5,464.35	5,416.85	36.48	22.46	-161.15	560.04	606.46	2,314.35	2,268.76	45.59	50.764		
6,000.00	5,701.37	5,555.99	5,507.60	37.16	22.85	-161.15	566.15	617.55	2,354.39	2,308.00	46.39	50.749		
6,100.00	5,795.51	5,647.62	5,598.36	37.84	23.24	-161.15	572.27	628.64	2,394.43	2,347.24	47.20	50.734		
6,200.00	5,889.65	5,739.25	5,689.11	38.52	23.63	-161.15	578.39	639.73	2,434.47	2,386.47	48.00	50.720		
6,300.00	5,983.79	5,830.89	5,779.86	39.20	24.02	-161.15	584.51	650.81	2,474.51	2,425.71	48.80	50.706		
6,400.00	6,077.93	5,922.52	5,870.62	39.88	24.41	-161.15	590.63	661.90	2,514.55	2,464.95	49.60	50.692		
6,500.00	6,172.06	6,014.15	5,961.37	40.56	24.80	-161.15	596.75	672.99	2,554.60	2,504.19	50.41	50.678		
6,600.00	6,266.20	6,105.79	6,052.13	41.25	25.19	-161.15	602.86	684.08	2,594.64	2,543.42	51.21	50.664		
6,700.00	6,360.34	6,202.58	6,142.88	41.93	25.60	-161.14	608.98	695.17	2,634.68	2,582.64	52.04	50.631		
6,800.00	6,454.48	6,289.05	6,233.64	42.61	25.96	-161.14	615.10	706.26	2,674.72	2,621.90	52.82	50.638		
6,900.00	6,548.61	6,380.69	6,324.39	43.29	26.35	-161.14	621.22	717.35	2,714.76	2,661.13	53.62	50.625		
7,000.00	6,642.75	6,472.32	6,415.14	43.97	26.74	-161.14	627.34	728.44	2,754.80	2,700.37	54.43	50.612		
7,100.00	6,736.89	6,563.95	6,505.90	44.65	27.13	-161.14	633.46	739.53	2,794.84	2,739.61	55.23	50.600		
7,200.00	6,831.03	6,655.59	6,596.65	45.33	27.52	-161.14	639.57	750.62	2,834.88	2,778.84	56.04	50.588		
7,300.00	6,925.17	6,747.22	6,687.41	46.02	27.91	-161.14	645.69	761.71	2,874.92	2,818.08	56.84	50.575		
7,400.00	7,019.30	6,838.86	6,778.16	46.70	28.30	-161.14	651.81	772.79	2,914.96	2,857.32	57.65	50.563		
7,500.00	7,113.44	6,930.49	6,868.91	47.38	28.69	-161.14	657.93	783.88	2,955.01	2,896.55	58.46	50.552		
7,600.00	7,207.58	7,022.12	6,959.67	48.06	29.08	-161.14	664.05	794.97	2,995.05	2,935.79	59.26	50.540		
7,700.00	7,301.72	7,113.76	7,050.42	48.74	29.47	-161.14	670.16	806.06	3,035.09	2,975.02	60.07	50.528		
7,766.97	7,364.76	7,175.12	7,111.20	49.20	29.73	-161.14	674.26	813.49	3,061.90	3,001.30	60.61	50.521		
7,800.00	7,395.79	7,205.44	7,141.23	49.43	29.86	-150.96	676.29	817.16	3,074.97	3,014.10	60.88	50.512		
7,850.00	7,442.34	7,251.36	7,186.70	49.78	30.05	-137.36	679.35	822.71	3,094.09	3,032.80	61.29	50.482		
7,900.00	7,488.07	7,297.00	7,231.91	50.13	30.24	-126.28	682.40	828.24	3,112.30	3,050.58	61.71	50.432		
7,950.00	7,532.63	7,342.02	7,276.49	50.48	30.43	-117.50	685.41	833.69	3,129.49	3,067.35	62.14	50.364		
8,000.00	7,575.69	7,422.91	7,356.80	50.84	30.76	-110.93	690.81	841.46	3,145.53	3,082.71	62.82	50.073		
8,050.00	7,616.91	8,050.00	7,470.66	51.18	32.24	-106.51	698.36	833.88	3,159.33	3,094.62	64.71	48.825		
8,100.00	7,655.99	7,658.65	7,587.07	51.53	31.27	-103.73	705.94	802.21	3,171.41	3,107.32	64.09	49.483		
8,150.00	7,692.62	7,710.05	7,633.91	51.87	31.31	-100.87	708.95	781.31	3,182.44	3,118.11	64.34	49.464		
8,200.00	7,726.53	7,737.97	7,658.52	52.21	31.33	-98.26	710.51	768.21	3,192.76	3,128.22	64.54	49.471		
8,250.00	7,757.46	7,751.31	7,670.04	52.54	31.34	-95.89	711.25	761.53	3,202.46	3,137.74	64.73	49.478		
8,300.00	7,785.17	7,755.23	7,673.40	52.87	31.34	-93.75	711.46	759.52	3,211.55	3,146.64	64.91	49.476		
8,350.00	7,809.46	7,752.84	7,671.35	53.19	31.34	-91.84	711.33	760.75	3,219.97	3,154.87	65.11	49.457		
8,400.00	7,830.13	7,746.07	7,665.53	53.51	31.34	-90.15	710.96	764.19	3,227.67	3,162.35	65.31	49.417		
8,450.00	7,847.03	7,736.15	7,656.93	53.82	31.33	-88.69	710.41	769.10	3,234.56	3,169.02	65.54	49.352		
8,500.00	7,860.04	7,723.93	7,646.22	54.14	31.32	-87.46	709.73	774.95	3,240.57	3,174.78	65.79	49.258		
8,550.00	7,869.04	7,709.98	7,633.85	54.44	31.31	-86.44	708.94	781.34	3,245.63	3,179.57	66.06	49.134		
8,600.00	7,873.98	7,694.72	7,620.13	54.75	31.30	-85.65	708.07	787.98	3,249.66	3,183.32	66.35	48.979		
8,635.17	7,875.00	7,683.35	7,609.81	54.96	31.29	-85.23	707.41	792.69	3,251.86	3,185.30	66.56	48.854		
8,700.00	7,875.00	7,663.66	7,591.72	55.36	31.27	-84.91	706.24	800.36	3,255.96	3,188.97	66.99	48.604		
8,800.00	7,875.00	7,638.70	7,568.41	56.06	31.25	-84.50	704.74	809.18	3,264.54	3,196.82	67.73	48.202		
8,900.00	7,875.00	7,618.67	7,549.45	56.85	31.22	-84.16	703.51	815.52	3,275.93	3,207.38	68.54	47.792		
9,000.00	7,875.00	7,600.00	7,531.59	57.73	31.19	-83.85	702.35	820.82	3,290.15	3,220.72	69.43	47.390		
9,100.00	7,875.00	7,588.63	7,520.63	58.72	31.17	-83.65	701.64	823.77	3,307.21	3,236.82	70.39	46.987		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - LONE TREE 4-65 15-16 1BH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,875.00	7,577.11	7,509.47	59.81	31.15	-83.46	700.91	826.53	3,327.09	3,255.71	71.38	46.609		
9,300.00	7,875.00	7,567.26	7,499.89	61.00	31.14	-83.29	700.28	828.71	3,349.78	3,277.36	72.42	46.257		
9,400.00	7,875.00	7,550.00	7,483.01	62.30	31.11	-82.99	699.17	832.13	3,375.24	3,301.81	73.43	45.967		
9,500.00	7,875.00	7,550.00	7,483.01	63.70	31.11	-82.99	699.17	832.13	3,403.35	3,328.80	74.55	45.654		
9,600.00	7,875.00	7,550.00	7,483.01	65.19	31.11	-82.99	699.17	832.13	3,434.14	3,358.47	75.67	45.385		
9,700.00	7,875.00	7,550.00	7,483.01	66.78	31.11	-82.99	699.17	832.13	3,467.54	3,390.76	76.78	45.161		
9,800.00	7,875.00	7,533.83	7,467.10	68.45	31.07	-82.71	698.13	834.87	3,503.36	3,425.57	77.79	45.037		
9,900.00	7,875.00	7,529.19	7,462.53	70.20	31.06	-82.63	697.83	835.58	3,541.67	3,462.83	78.85	44.918		
10,000.00	7,875.00	7,525.00	7,458.39	72.02	31.05	-82.56	697.55	836.18	3,582.35	3,502.46	79.89	44.842		
10,100.00	7,875.00	7,521.20	7,454.64	73.91	31.04	-82.49	697.31	836.70	3,625.31	3,544.40	80.91	44.808 SF		
10,200.00	7,875.00	7,517.74	7,451.21	75.86	31.03	-82.43	697.08	837.15	3,670.49	3,588.58	81.90	44.815		
10,300.00	7,875.00	7,500.00	7,433.63	77.87	30.99	-82.12	695.92	839.15	3,717.90	3,635.13	82.77	44.917		
10,400.00	7,875.00	7,500.00	7,433.63	79.93	30.99	-82.12	695.92	839.15	3,767.22	3,683.49	83.73	44.994		
10,500.00	7,875.00	7,500.00	7,433.63	82.03	30.99	-82.12	695.92	839.15	3,818.52	3,733.86	84.65	45.109		
10,600.00	7,875.00	7,500.00	7,433.63	84.18	30.99	-82.12	695.92	839.15	3,871.72	3,786.18	85.54	45.263		
10,700.00	7,875.00	7,500.00	7,433.63	86.36	30.99	-82.12	695.92	839.15	3,926.74	3,840.35	86.39	45.452		
10,800.00	7,875.00	7,500.00	7,433.63	88.58	30.99	-82.12	695.92	839.15	3,983.52	3,896.31	87.21	45.675		
10,900.00	7,875.00	7,500.00	7,433.63	90.83	30.99	-82.12	695.92	839.15	4,041.97	3,953.97	88.00	45.932		
11,000.00	7,875.00	7,500.00	7,433.63	93.11	30.99	-82.12	695.92	839.15	4,102.03	4,013.28	88.75	46.219		
11,100.00	7,875.00	7,500.00	7,433.63	95.41	30.99	-82.12	695.92	839.15	4,163.63	4,074.16	89.47	46.535		
11,200.00	7,875.00	7,500.00	7,433.63	97.74	30.99	-82.12	695.92	839.15	4,226.69	4,136.53	90.16	46.880		
11,300.00	7,875.00	7,500.00	7,433.63	100.09	30.99	-82.12	695.92	839.15	4,291.16	4,200.34	90.82	47.250		
11,400.00	7,875.00	7,500.00	7,433.63	102.46	30.99	-82.12	695.92	839.15	4,356.97	4,265.52	91.44	47.646		
11,500.00	7,875.00	7,500.00	7,433.63	104.84	30.99	-82.12	695.92	839.15	4,424.06	4,332.02	92.04	48.066		
11,600.00	7,875.00	7,500.00	7,433.63	107.25	30.99	-82.12	695.92	839.15	4,492.37	4,399.76	92.61	48.507		
11,700.00	7,875.00	7,500.00	7,433.63	109.67	30.99	-82.12	695.92	839.15	4,561.86	4,468.70	93.15	48.971		
11,800.00	7,875.00	7,500.00	7,433.63	112.10	30.99	-82.12	695.92	839.15	4,632.46	4,538.79	93.67	49.454		
11,900.00	7,875.00	7,500.00	7,433.63	114.55	30.99	-82.12	695.92	839.15	4,704.13	4,609.96	94.17	49.956		
12,000.00	7,875.00	7,500.00	7,433.63	117.01	30.99	-82.12	695.92	839.15	4,776.81	4,682.18	94.63	50.476		
12,100.00	7,875.00	7,500.00	7,433.63	119.48	30.99	-82.12	695.92	839.15	4,850.47	4,755.39	95.08	51.014		
12,200.00	7,875.00	7,500.00	7,433.63	121.96	30.99	-82.12	695.92	839.15	4,925.06	4,829.55	95.51	51.567		
12,300.00	7,875.00	7,500.00	7,433.63	124.46	30.99	-82.12	695.92	839.15	5,000.53	4,904.62	95.91	52.136		
12,400.00	7,875.00	7,500.00	7,433.63	126.96	30.99	-82.12	695.92	839.15	5,076.85	4,980.55	96.30	52.719		
12,500.00	7,875.00	7,500.00	7,433.63	129.47	30.99	-82.12	695.92	839.15	5,153.98	5,057.32	96.67	53.316		
12,600.00	7,875.00	7,500.00	7,433.63	131.99	30.99	-82.12	695.92	839.15	5,231.89	5,134.87	97.02	53.926		
12,700.00	7,875.00	7,500.00	7,433.63	134.51	30.99	-82.12	695.92	839.15	5,310.54	5,213.18	97.35	54.549		
12,800.00	7,875.00	7,477.94	7,411.68	137.04	30.93	-81.74	694.47	840.87	5,389.51	5,291.97	97.54	55.256		
12,900.00	7,875.00	7,477.24	7,410.99	139.58	30.93	-81.72	694.42	840.91	5,469.51	5,371.68	97.84	55.903		
13,000.00	7,875.00	7,476.58	7,410.32	142.13	30.93	-81.71	694.38	840.95	5,550.17	5,452.04	98.13	56.562		
13,100.00	7,875.00	7,475.94	7,409.69	144.68	30.93	-81.70	694.33	840.98	5,631.44	5,533.04	98.40	57.230		
13,200.00	7,875.00	7,475.32	7,409.07	147.24	30.92	-81.69	694.29	841.02	5,713.31	5,614.64	98.66	57.907		
13,300.00	7,875.00	7,474.73	7,408.48	149.80	30.92	-81.68	694.25	841.05	5,795.74	5,696.83	98.91	58.594		
13,400.00	7,875.00	7,474.16	7,407.92	152.37	30.92	-81.67	694.22	841.08	5,878.72	5,779.57	99.15	59.289		
13,500.00	7,875.00	7,473.61	7,407.37	154.94	30.92	-81.66	694.18	841.11	5,962.22	5,862.84	99.38	59.992		
13,600.00	7,875.00	7,473.08	7,406.84	157.52	30.92	-81.65	694.14	841.13	6,046.22	5,946.62	99.60	60.703		
13,700.00	7,875.00	7,472.57	7,406.33	160.10	30.92	-81.64	694.11	841.16	6,130.70	6,030.89	99.81	61.421		
13,800.00	7,875.00	7,472.08	7,405.84	162.68	30.91	-81.63	694.08	841.18	6,215.64	6,115.63	100.02	62.147		
13,900.00	7,875.00	7,450.00	7,383.82	165.27	30.85	-81.25	692.61	841.83	6,301.41	6,201.34	100.07	62.968		
14,000.00	7,875.00	7,450.00	7,383.82	167.86	30.85	-81.25	692.61	841.83	6,387.20	6,286.94	100.26	63.705		
14,100.00	7,875.00	7,450.00	7,383.82	170.46	30.85	-81.25	692.61	841.83	6,473.40	6,372.96	100.44	64.448		
14,200.00	7,875.00	7,450.00	7,383.82	173.06	30.85	-81.25	692.61	841.83	6,559.99	6,459.37	100.62	65.197		
14,300.00	7,875.00	7,450.00	7,383.82	175.66	30.85	-81.25	692.61	841.83	6,646.96	6,546.17	100.79	65.951		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - LONE TREE 4-65 15-16 1BH - OWB - PROPOSAL 1												Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
14,400.00	7,875.00	7,450.00	7,383.82	178.26	30.85	-81.25	692.61	841.83	6,734.29	6,633.34	100.95	66.711	
14,500.00	7,875.00	7,450.00	7,383.82	180.87	30.85	-81.25	692.61	841.83	6,821.97	6,720.86	101.10	67.475	
14,600.00	7,875.00	7,450.00	7,383.82	183.48	30.85	-81.25	692.61	841.83	6,909.98	6,808.73	101.25	68.245	
14,700.00	7,875.00	7,450.00	7,383.82	186.09	30.85	-81.25	692.61	841.83	6,998.31	6,896.92	101.40	69.018	
14,800.00	7,875.00	7,450.00	7,383.82	188.71	30.85	-81.25	692.61	841.83	7,086.96	6,985.42	101.54	69.797	
14,900.00	7,875.00	7,450.00	7,383.82	191.33	30.85	-81.25	692.61	841.83	7,175.90	7,074.23	101.67	70.579	
15,000.00	7,875.00	7,450.00	7,383.82	193.95	30.85	-81.25	692.61	841.83	7,265.13	7,163.33	101.80	71.365	
15,100.00	7,875.00	7,450.00	7,383.82	196.57	30.85	-81.25	692.61	841.83	7,354.64	7,252.71	101.93	72.155	
15,200.00	7,875.00	7,450.00	7,383.82	199.19	30.85	-81.25	692.61	841.83	7,444.42	7,342.37	102.05	72.949	
15,300.00	7,875.00	7,450.00	7,383.82	201.82	30.85	-81.25	692.61	841.83	7,534.45	7,432.28	102.17	73.746	
15,400.00	7,875.00	7,450.00	7,383.82	204.45	30.85	-81.25	692.61	841.83	7,624.73	7,522.45	102.28	74.546	
15,500.00	7,875.00	7,450.00	7,383.82	207.08	30.85	-81.25	692.61	841.83	7,715.25	7,612.86	102.39	75.350	
15,600.00	7,875.00	7,450.00	7,383.82	209.71	30.85	-81.25	692.61	841.83	7,806.00	7,703.50	102.50	76.156	
15,700.00	7,875.00	7,450.00	7,383.82	212.34	30.85	-81.25	692.61	841.83	7,896.98	7,794.37	102.60	76.965	
15,800.00	7,875.00	7,450.00	7,383.82	214.98	30.85	-81.25	692.61	841.83	7,988.17	7,885.46	102.71	77.777	
15,900.00	7,875.00	7,450.00	7,383.82	217.61	30.85	-81.25	692.61	841.83	8,079.57	7,976.76	102.80	78.592	
16,000.00	7,875.00	7,450.00	7,383.82	220.25	30.85	-81.25	692.61	841.83	8,171.17	8,068.27	102.90	79.408	
16,100.00	7,875.00	7,450.00	7,383.82	222.89	30.85	-81.25	692.61	841.83	8,262.96	8,159.97	102.99	80.227	
16,200.00	7,875.00	7,450.00	7,383.82	225.53	30.85	-81.25	692.61	841.83	8,354.95	8,251.86	103.09	81.049	
16,300.00	7,875.00	7,450.00	7,383.82	228.17	30.85	-81.25	692.61	841.83	8,447.11	8,343.94	103.17	81.872	
16,400.00	7,875.00	7,450.00	7,383.82	230.81	30.85	-81.25	692.61	841.83	8,539.45	8,436.19	103.26	82.697	
16,500.00	7,875.00	7,450.00	7,383.82	233.46	30.85	-81.25	692.61	841.83	8,631.97	8,528.62	103.35	83.525	
16,600.00	7,875.00	7,450.00	7,383.82	236.10	30.85	-81.25	692.61	841.83	8,724.65	8,621.22	103.43	84.354	
16,700.00	7,875.00	7,450.00	7,383.82	238.75	30.85	-81.25	692.61	841.83	8,817.48	8,713.97	103.51	85.184	
16,800.00	7,875.00	7,450.00	7,383.82	241.40	30.85	-81.25	692.61	841.83	8,910.48	8,806.89	103.59	86.017	
16,900.00	7,875.00	7,450.00	7,383.82	244.05	30.85	-81.25	692.61	841.83	9,003.62	8,899.95	103.67	86.851	
17,000.00	7,875.00	7,450.00	7,383.82	246.70	30.85	-81.25	692.61	841.83	9,096.91	8,993.17	103.74	87.686	
17,100.00	7,875.00	7,450.00	7,383.82	249.35	30.85	-81.25	692.61	841.83	9,190.34	9,086.52	103.82	88.522	
17,200.00	7,875.00	7,450.00	7,383.82	252.00	30.85	-81.25	692.61	841.83	9,283.91	9,180.01	103.89	89.360	
17,300.00	7,875.00	7,450.00	7,383.82	254.65	30.85	-81.25	692.61	841.83	9,377.61	9,273.64	103.97	90.199	
17,400.00	7,875.00	7,450.00	7,383.82	257.31	30.85	-81.25	692.61	841.83	9,471.44	9,367.40	104.04	91.039	
17,500.00	7,875.00	7,450.00	7,383.82	259.96	30.85	-81.25	692.61	841.83	9,565.39	9,461.28	104.11	91.881	
17,600.00	7,875.00	7,450.00	7,383.82	262.62	30.85	-81.25	692.61	841.83	9,659.46	9,555.29	104.18	92.723	
17,700.00	7,875.00	7,450.00	7,383.82	265.27	30.85	-81.25	692.61	841.83	9,753.66	9,649.41	104.24	93.566	
17,800.00	7,875.00	7,450.00	7,383.82	267.93	30.85	-81.25	692.61	841.83	9,847.96	9,743.65	104.31	94.410	
17,900.00	7,875.00	7,450.00	7,383.82	270.59	30.85	-81.25	692.61	841.83	9,942.38	9,838.01	104.38	95.255	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - LONE TREE 4-65 15-16 2AH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	4.50	4.50	0.00	0.01	-0.18	174.85	-0.56	174.85					
100.00	100.00	104.50	104.50	0.13	0.15	-0.18	174.85	-0.56	174.85	174.57	0.28	613.554		
200.00	200.00	204.50	204.50	0.49	0.51	-0.18	174.85	-0.56	174.85	173.85	1.00	174.517		
250.00	250.00	254.53	254.53	0.67	0.69	-0.18	174.85	-0.56	174.85	173.49	1.36	128.557		
250.67	250.67	255.21	255.21	0.67	0.69	-171.37	174.85	-0.56	174.85	173.49	1.36	128.122 CC, ES		
300.00	300.00	304.92	304.91	0.84	0.86	-171.23	174.79	-0.04	175.22	173.51	1.71	102.619		
400.00	399.93	405.54	405.46	1.18	1.22	-170.21	174.33	3.63	178.24	175.84	2.40	74.266		
500.00	499.68	505.75	505.41	1.54	1.58	-168.33	173.45	10.76	184.45	181.33	3.12	59.157		
600.00	599.13	605.28	604.37	1.91	1.96	-165.77	172.14	21.27	194.08	190.23	3.86	50.320		
700.00	698.15	704.01	702.35	2.31	2.35	-163.25	170.64	33.35	207.39	202.78	4.62	44.938		
800.00	796.63	802.32	799.91	2.74	2.74	-161.28	169.15	45.37	224.29	218.91	5.38	41.660		
900.00	894.44	900.09	896.93	3.20	3.13	-159.82	167.67	57.33	244.62	238.45	6.16	39.694		
1,000.00	991.46	1,002.81	993.29	3.70	3.55	-158.81	166.19	69.21	268.22	261.24	6.97	38.469		
1,100.00	1,087.58	1,106.49	1,088.88	4.24	3.97	-158.16	164.73	80.99	295.00	287.20	7.80	37.834 SF		
1,200.00	1,182.68	1,188.93	1,183.57	4.82	4.31	-157.79	163.28	92.66	324.90	316.35	8.55	38.019		
1,235.78	1,216.44	1,222.83	1,217.21	5.04	4.45	-157.72	162.77	96.80	336.35	327.51	8.84	38.058		
1,300.00	1,276.90	1,283.55	1,277.47	5.44	4.70	-157.77	161.85	104.23	357.24	347.89	9.35	38.203		
1,400.00	1,371.03	1,378.11	1,371.31	6.08	5.09	-157.84	160.41	115.80	389.78	379.62	10.15	38.388		
1,500.00	1,465.17	1,472.67	1,465.14	6.73	5.48	-157.91	158.98	127.36	422.31	411.35	10.96	38.525		
1,600.00	1,559.31	1,567.23	1,558.98	7.38	5.87	-157.96	157.54	138.93	454.85	443.07	11.77	38.629		
1,700.00	1,653.45	1,661.78	1,652.82	8.04	6.26	-158.00	156.10	150.49	487.39	474.79	12.59	38.709		
1,800.00	1,747.59	1,756.34	1,746.66	8.70	6.65	-158.04	154.67	162.06	519.92	506.51	13.41	38.770		
1,900.00	1,841.72	1,850.90	1,840.49	9.36	7.04	-158.08	153.23	173.62	552.46	538.23	14.23	38.817		
2,000.00	1,935.86	1,945.46	1,934.33	10.03	7.43	-158.11	151.80	185.19	585.00	569.94	15.06	38.854		
2,100.00	2,030.00	2,040.02	2,028.17	10.70	7.82	-158.14	150.36	196.75	617.54	601.65	15.88	38.883		
2,200.00	2,124.14	2,134.57	2,122.00	11.37	8.21	-158.16	148.93	208.32	650.07	633.36	16.71	38.906		
2,300.00	2,218.27	2,229.13	2,215.84	12.04	8.60	-158.18	147.49	219.88	682.61	665.07	17.54	38.924		
2,400.00	2,312.41	2,323.69	2,309.68	12.71	8.99	-158.20	146.06	231.45	715.15	696.78	18.37	38.938		
2,500.00	2,406.55	2,418.25	2,403.52	13.39	9.38	-158.22	144.62	243.02	747.69	728.49	19.20	38.949		
2,600.00	2,500.69	2,512.81	2,497.35	14.06	9.77	-158.24	143.19	254.58	780.23	760.20	20.03	38.958		
2,700.00	2,594.83	2,607.36	2,591.19	14.73	10.17	-158.26	141.75	266.15	812.76	791.90	20.86	38.964		
2,800.00	2,688.96	2,701.92	2,685.03	15.41	10.56	-158.27	140.32	277.71	845.30	823.61	21.69	38.969		
2,900.00	2,783.10	2,803.52	2,778.86	16.09	10.98	-158.28	138.88	289.28	877.84	855.29	22.55	38.922		
3,000.00	2,877.24	2,908.96	2,872.70	16.76	11.41	-158.30	137.44	300.84	910.38	886.95	23.43	38.851		
3,100.00	2,971.38	2,985.60	2,966.54	17.44	11.73	-158.31	136.01	312.41	942.92	918.72	24.19	38.976		
3,200.00	3,065.52	3,080.15	3,060.38	18.12	12.12	-158.32	134.57	323.97	975.46	950.43	25.03	38.976		
3,300.00	3,159.65	3,174.71	3,154.21	18.80	12.51	-158.33	133.14	335.54	1,007.99	982.13	25.86	38.976		
3,400.00	3,253.79	3,269.27	3,248.05	19.47	12.91	-158.34	131.70	347.10	1,040.53	1,013.84	26.70	38.976		
3,500.00	3,347.93	3,363.83	3,341.89	20.15	13.30	-158.35	130.27	358.67	1,073.07	1,045.54	27.53	38.975		
3,600.00	3,442.07	3,458.39	3,435.72	20.83	13.69	-158.36	128.83	370.23	1,105.61	1,077.24	28.37	38.973		
3,700.00	3,536.20	3,552.94	3,529.56	21.51	14.08	-158.36	127.40	381.80	1,138.15	1,108.94	29.20	38.972		
3,800.00	3,630.34	3,647.50	3,623.40	22.19	14.47	-158.37	125.96	393.36	1,170.69	1,140.65	30.04	38.970		
3,900.00	3,724.48	3,742.06	3,717.23	22.87	14.87	-158.38	124.53	404.93	1,203.23	1,172.35	30.88	38.968		
4,000.00	3,818.62	3,836.62	3,811.07	23.55	15.26	-158.39	123.09	416.50	1,235.76	1,204.05	31.71	38.965		
4,100.00	3,912.76	3,931.18	3,904.91	24.23	15.65	-158.39	121.65	428.06	1,268.30	1,235.75	32.55	38.963		
4,200.00	4,006.89	4,025.73	3,998.75	24.91	16.04	-158.40	120.22	439.63	1,300.84	1,267.45	33.39	38.960		
4,300.00	4,101.03	4,120.29	4,092.58	25.59	16.43	-158.40	118.78	451.19	1,333.38	1,299.15	34.23	38.958		
4,400.00	4,195.17	4,214.85	4,186.42	26.27	16.82	-158.41	117.35	462.76	1,365.92	1,330.85	35.06	38.955		
4,500.00	4,289.31	4,309.41	4,280.26	26.95	17.22	-158.41	115.91	474.32	1,398.46	1,362.56	35.90	38.952		
4,600.00	4,383.44	4,403.97	4,374.09	27.63	17.61	-158.42	114.48	485.89	1,431.00	1,394.26	36.74	38.949		
4,700.00	4,477.58	4,501.48	4,467.93	28.31	18.01	-158.42	113.04	497.45	1,463.54	1,425.94	37.59	38.933		
4,800.00	4,571.72	4,606.92	4,561.77	28.99	18.45	-158.43	111.61	509.02	1,496.07	1,457.60	38.47	38.885		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - LONE TREE 4-65 15-16 2AH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,900.00	4,665.86	4,687.64	4,655.61	29.67	18.78	-158.43	110.17	520.58	1,528.61	1,489.36	39.26	38.940		
5,000.00	4,760.00	4,782.20	4,749.44	30.35	19.18	-158.44	108.74	532.15	1,561.15	1,521.06	40.09	38.937		
5,100.00	4,854.13	4,876.76	4,843.28	31.03	19.57	-158.44	107.30	543.71	1,593.69	1,552.76	40.93	38.934		
5,200.00	4,948.27	4,971.31	4,937.12	31.71	19.96	-158.45	105.86	555.28	1,626.23	1,584.46	41.77	38.931		
5,300.00	5,042.41	5,065.87	5,030.95	32.39	20.35	-158.45	104.43	566.85	1,658.77	1,616.16	42.61	38.928		
5,400.00	5,136.55	5,160.43	5,124.79	33.07	20.74	-158.45	102.99	578.41	1,691.31	1,647.86	43.45	38.924		
5,500.00	5,230.69	5,254.99	5,218.63	33.75	21.14	-158.46	101.56	589.98	1,723.85	1,679.55	44.29	38.921		
5,600.00	5,324.82	5,349.55	5,312.47	34.43	21.53	-158.46	100.12	601.54	1,756.38	1,711.25	45.13	38.918		
5,700.00	5,418.96	5,444.10	5,406.30	35.12	21.92	-158.46	98.69	613.11	1,788.92	1,742.95	45.97	38.915		
5,800.00	5,513.10	5,538.66	5,500.14	35.80	22.31	-158.47	97.25	624.67	1,821.46	1,774.65	46.81	38.912		
5,900.00	5,607.24	5,633.22	5,593.98	36.48	22.70	-158.47	95.82	636.24	1,854.00	1,806.35	47.65	38.909		
6,000.00	5,701.37	5,727.78	5,687.81	37.16	23.10	-158.47	94.38	647.80	1,886.54	1,838.05	48.49	38.906		
6,100.00	5,795.51	5,822.34	5,781.65	37.84	23.49	-158.47	92.95	659.37	1,919.08	1,869.75	49.33	38.902		
6,200.00	5,889.65	5,916.89	5,875.49	38.52	23.88	-158.48	91.51	670.93	1,951.62	1,901.45	50.17	38.899		
6,300.00	5,983.79	6,011.45	5,969.33	39.20	24.27	-158.48	90.08	682.50	1,984.16	1,933.14	51.01	38.896		
6,400.00	6,077.93	6,106.01	6,063.16	39.88	24.67	-158.48	88.64	694.06	2,016.69	1,964.84	51.85	38.893		
6,500.00	6,172.06	6,200.57	6,157.00	40.56	25.06	-158.48	87.20	705.63	2,049.23	1,996.54	52.69	38.890		
6,600.00	6,266.20	6,304.87	6,250.84	41.25	25.49	-158.49	85.77	717.19	2,081.77	2,028.20	53.57	38.857		
6,700.00	6,360.34	6,389.68	6,344.67	41.93	25.84	-158.49	84.33	728.76	2,114.31	2,059.94	54.38	38.883		
6,800.00	6,454.48	6,484.24	6,438.51	42.61	26.23	-158.49	82.90	740.33	2,146.85	2,091.63	55.22	38.880		
6,900.00	6,548.61	6,578.80	6,532.35	43.29	26.63	-158.49	81.46	751.89	2,179.39	2,123.33	56.06	38.877		
7,000.00	6,642.75	6,673.36	6,626.18	43.97	27.02	-158.50	80.03	763.46	2,211.93	2,155.03	56.90	38.874		
7,100.00	6,736.89	6,767.92	6,720.02	44.65	27.41	-158.50	78.59	775.02	2,244.47	2,186.72	57.74	38.871		
7,200.00	6,831.03	6,862.47	6,813.86	45.33	27.80	-158.50	77.16	786.59	2,277.01	2,218.42	58.58	38.868		
7,300.00	6,925.17	6,957.03	6,907.70	46.02	28.19	-158.50	75.72	798.15	2,309.54	2,250.12	59.43	38.865		
7,400.00	7,019.30	7,051.59	7,001.53	46.70	28.59	-158.50	74.29	809.72	2,342.08	2,281.82	60.27	38.861		
7,500.00	7,113.44	7,146.15	7,095.37	47.38	28.98	-158.51	72.85	821.28	2,374.62	2,313.51	61.11	38.858		
7,600.00	7,207.58	7,240.71	7,189.21	48.06	29.37	-158.51	71.41	832.85	2,407.16	2,345.21	61.95	38.855		
7,700.00	7,301.72	7,334.82	7,279.58	48.74	30.27	-161.09	64.81	770.78	2,436.32	2,372.86	63.46	38.390		
7,766.97	7,364.76	7,393.76	7,342.42	49.20	30.43	-165.19	61.03	714.64	2,448.72	2,385.53	63.20	38.746		
7,800.00	7,395.79	7,424.84	7,373.02	49.43	30.51	-157.08	60.21	724.64	2,454.32	2,391.10	63.22	38.824		
7,850.00	7,442.34	7,471.44	7,416.72	49.78	30.61	-145.65	59.58	731.32	2,462.84	2,399.48	63.36	38.873		
7,900.00	7,488.07	7,517.37	7,462.97	50.13	30.67	-135.89	59.32	738.04	2,471.79	2,408.26	63.53	38.908		
7,950.00	7,532.63	7,562.12	7,507.67	50.48	30.69	-127.83	59.24	744.75	2,481.28	2,417.59	63.69	38.959		
8,000.00	7,575.69	7,605.85	7,550.77	50.84	30.68	-121.18	59.27	751.46	2,491.28	2,427.45	63.83	39.031		
8,050.00	7,616.91	7,647.15	7,592.54	51.18	30.66	-115.62	59.36	758.17	2,501.69	2,437.74	63.94	39.124		
8,100.00	7,655.99	7,686.44	7,631.56	51.53	30.63	-110.91	59.50	764.88	2,512.39	2,448.36	64.04	39.234		
8,150.00	7,692.62	7,723.27	7,668.16	51.87	30.60	-106.84	59.68	771.59	2,523.27	2,459.15	64.12	39.351		
8,200.00	7,726.53	7,757.38	7,701.50	52.21	30.56	-103.28	59.88	778.30	2,534.17	2,469.98	64.19	39.477		
8,250.00	7,757.46	7,788.41	7,732.71	52.54	30.52	-100.15	60.11	785.01	2,544.97	2,480.71	64.26	39.604		
8,300.00	7,785.17	7,816.22	7,760.87	52.87	30.50	-97.37	60.37	791.72	2,555.52	2,491.19	64.33	39.723		
8,350.00	7,809.46	7,840.61	7,784.03	53.19	30.47	-94.91	60.63	798.43	2,565.71	2,501.29	64.41	39.831		
8,400.00	7,830.13	7,861.38	7,804.25	53.51	30.44	-92.73	60.92	805.14	2,575.39	2,510.88	64.51	39.923		
8,450.00	7,847.03	7,878.28	7,820.58	53.82	30.42	-90.83	61.22	811.85	2,584.46	2,519.83	64.63	39.991		
8,500.00	7,860.04	7,891.29	7,832.31	54.14	30.40	-89.18	61.52	818.56	2,592.79	2,528.03	64.76	40.035		
8,550.00	7,869.04	7,900.29	7,841.31	54.44	30.38	-87.78	61.85	825.27	2,600.29	2,535.36	64.93	40.049		
8,600.00	7,873.98	7,905.16	7,845.64	54.75	30.36	-86.64	62.18	831.98	2,606.86	2,541.74	65.12	40.033		
8,635.17	7,875.00	7,906.19	7,846.66	54.96	30.35	-85.98	62.42	838.69	2,610.87	2,545.61	65.27	40.004		
8,700.00	7,875.00	7,906.19	7,846.66	55.36	30.34	-85.54	62.85	845.40	2,618.35	2,552.79	65.56	39.935		
8,800.00	7,875.00	7,906.19	7,846.66	56.06	30.32	-84.92	63.44	852.11	2,632.19	2,566.11	66.08	39.834		
8,900.00	7,875.00	7,906.19	7,846.66	56.85	30.31	-84.44	63.88	858.82	2,648.95	2,582.30	66.66	39.740		
9,000.00	7,875.00	7,906.19	7,846.66	57.73	30.29	-83.86	64.40	865.53	2,668.73	2,601.47	67.27	39.674		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - LONE TREE 4-65 15-16 2AH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,100.00	7,875.00	7,650.00	7,584.98	58.72	30.28	-83.52	64.71	767.75	2,691.62	2,623.68	67.94	39.617		
9,200.00	7,875.00	7,624.44	7,562.47	59.81	30.26	-83.03	65.14	779.87	2,717.57	2,648.95	68.62	39.604		
9,300.00	7,875.00	7,600.00	7,540.48	61.00	30.24	-82.55	65.55	790.51	2,746.64	2,677.33	69.32	39.625		
9,400.00	7,875.00	7,600.00	7,540.48	62.30	30.24	-82.55	65.55	790.51	2,778.75	2,708.64	70.11	39.632		
9,500.00	7,875.00	7,576.64	7,519.05	63.70	30.21	-82.09	65.95	799.79	2,813.77	2,742.95	70.82	39.731		
9,600.00	7,875.00	7,550.00	7,494.17	65.19	30.19	-81.55	66.40	809.30	2,851.84	2,780.33	71.50	39.884		
9,700.00	7,875.00	7,550.00	7,494.17	66.78	30.19	-81.55	66.40	809.30	2,892.51	2,820.21	72.30	40.006		
9,800.00	7,875.00	7,550.00	7,494.17	68.45	30.19	-81.55	66.40	809.30	2,936.03	2,862.95	73.09	40.172		
9,900.00	7,875.00	7,533.48	7,478.53	70.20	30.17	-81.22	66.68	814.61	2,982.11	2,908.34	73.77	40.423		
10,000.00	7,875.00	7,525.11	7,470.55	72.02	30.15	-81.05	66.82	817.13	3,030.73	2,956.25	74.48	40.694		
10,100.00	7,875.00	7,517.47	7,463.23	73.91	30.14	-80.89	66.95	819.33	3,081.75	3,006.59	75.16	41.002		
10,200.00	7,875.00	7,500.00	7,446.40	75.86	30.12	-80.53	67.25	823.98	3,135.14	3,059.37	75.77	41.378		
10,300.00	7,875.00	7,500.00	7,446.40	77.87	30.12	-80.53	67.25	823.98	3,190.58	3,114.14	76.44	41.738		
10,400.00	7,875.00	7,500.00	7,446.40	79.93	30.12	-80.53	67.25	823.98	3,248.16	3,171.07	77.09	42.135		
10,500.00	7,875.00	7,500.00	7,446.40	82.03	30.12	-80.53	67.25	823.98	3,307.75	3,230.05	77.71	42.567		
10,600.00	7,875.00	7,500.00	7,446.40	84.18	30.12	-80.53	67.25	823.98	3,369.27	3,290.97	78.30	43.033		
10,700.00	7,875.00	7,500.00	7,446.40	86.36	30.12	-80.53	67.25	823.98	3,432.59	3,353.73	78.86	43.529		
10,800.00	7,875.00	7,478.32	7,425.33	88.58	30.08	-80.08	67.61	829.04	3,497.29	3,418.01	79.28	44.114		
10,900.00	7,875.00	7,474.19	7,421.29	90.83	30.08	-79.99	67.68	829.91	3,563.80	3,484.03	79.77	44.678		
11,000.00	7,875.00	7,470.32	7,417.50	93.11	30.07	-79.91	67.75	830.71	3,631.82	3,551.59	80.23	45.268		
11,100.00	7,875.00	7,450.00	7,397.53	95.41	30.03	-79.49	68.09	834.44	3,701.48	3,620.90	80.58	45.936		
11,200.00	7,875.00	7,450.00	7,397.53	97.74	30.03	-79.49	68.09	834.44	3,772.21	3,691.19	81.02	46.560		
11,300.00	7,875.00	7,450.00	7,397.53	100.09	30.03	-79.49	68.09	834.44	3,844.25	3,762.81	81.44	47.206		
11,400.00	7,875.00	7,450.00	7,397.53	102.46	30.03	-79.49	68.09	834.44	3,917.51	3,835.68	81.83	47.873		
11,500.00	7,875.00	7,450.00	7,397.53	104.84	30.03	-79.49	68.09	834.44	3,991.93	3,909.72	82.21	48.560		
11,600.00	7,875.00	7,450.00	7,397.53	107.25	30.03	-79.49	68.09	834.44	4,067.45	3,984.88	82.56	49.266		
11,700.00	7,875.00	7,450.00	7,397.53	109.67	30.03	-79.49	68.09	834.44	4,144.00	4,061.10	82.90	49.989		
11,800.00	7,875.00	7,450.00	7,397.53	112.10	30.03	-79.49	68.09	834.44	4,221.54	4,138.32	83.22	50.729		
11,900.00	7,875.00	7,450.00	7,397.53	114.55	30.03	-79.49	68.09	834.44	4,300.00	4,216.48	83.52	51.484		
12,000.00	7,875.00	7,450.00	7,397.53	117.01	30.03	-79.49	68.09	834.44	4,379.34	4,295.53	83.81	52.253		
12,100.00	7,875.00	7,450.00	7,397.53	119.48	30.03	-79.49	68.09	834.44	4,459.51	4,375.43	84.08	53.037		
12,200.00	7,875.00	7,450.00	7,397.53	121.96	30.03	-79.49	68.09	834.44	4,540.47	4,456.13	84.34	53.833		
12,300.00	7,875.00	7,450.00	7,397.53	124.46	30.03	-79.49	68.09	834.44	4,622.18	4,537.59	84.59	54.641		
12,400.00	7,875.00	7,450.00	7,397.53	126.96	30.03	-79.49	68.09	834.44	4,704.59	4,619.76	84.83	55.461		
12,500.00	7,875.00	7,450.00	7,397.53	129.47	30.03	-79.49	68.09	834.44	4,787.67	4,702.62	85.05	56.291		
12,600.00	7,875.00	7,450.00	7,397.53	131.99	30.03	-79.49	68.09	834.44	4,871.39	4,786.12	85.27	57.132		
12,700.00	7,875.00	7,450.00	7,397.53	134.51	30.03	-79.49	68.09	834.44	4,955.71	4,870.24	85.47	57.982		
12,800.00	7,875.00	7,427.54	7,375.32	137.04	29.99	-79.01	68.46	837.75	5,040.18	4,954.62	85.56	58.905		
12,900.00	7,875.00	7,426.07	7,373.86	139.58	29.98	-78.98	68.49	837.93	5,125.56	5,039.81	85.75	59.777		
13,000.00	7,875.00	7,424.65	7,372.45	142.13	29.98	-78.95	68.51	838.11	5,211.46	5,125.54	85.92	60.656		
13,100.00	7,875.00	7,423.29	7,371.10	144.68	29.98	-78.93	68.53	838.27	5,297.84	5,211.76	86.08	61.542		
13,200.00	7,875.00	7,421.98	7,369.80	147.24	29.97	-78.90	68.56	838.43	5,384.70	5,298.46	86.24	62.436		
13,300.00	7,875.00	7,400.00	7,347.93	149.80	29.93	-78.44	68.92	840.61	5,472.37	5,386.07	86.30	63.411		
13,400.00	7,875.00	7,400.00	7,347.93	152.37	29.93	-78.44	68.92	840.61	5,560.06	5,473.60	86.45	64.312		
13,500.00	7,875.00	7,400.00	7,347.93	154.94	29.93	-78.44	68.92	840.61	5,648.15	5,561.55	86.60	65.220		
13,600.00	7,875.00	7,400.00	7,347.93	157.52	29.93	-78.44	68.92	840.61	5,736.64	5,649.89	86.74	66.133		
13,700.00	7,875.00	7,400.00	7,347.93	160.10	29.93	-78.44	68.92	840.61	5,825.50	5,738.62	86.88	67.051		
13,800.00	7,875.00	7,400.00	7,347.93	162.68	29.93	-78.44	68.92	840.61	5,914.71	5,827.70	87.01	67.975		
13,900.00	7,875.00	7,400.00	7,347.93	165.27	29.93	-78.44	68.92	840.61	6,004.27	5,917.13	87.14	68.903		
14,000.00	7,875.00	7,400.00	7,347.93	167.86	29.93	-78.44	68.92	840.61	6,094.15	6,006.88	87.26	69.836		
14,100.00	7,875.00	7,400.00	7,347.93	170.46	29.93	-78.44	68.92	840.61	6,184.34	6,096.95	87.38	70.773		
14,200.00	7,875.00	7,400.00	7,347.93	173.06	29.93	-78.44	68.92	840.61	6,274.82	6,187.33	87.50	71.714		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - LONE TREE 4-65 15-16 2AH - OWB - PROPOSAL 1												Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
14,300.00	7,875.00	7,400.00	7,347.93	175.66	29.93	-78.44	68.92	840.61	6,365.60	6,277.99	87.61	72.659	
14,400.00	7,875.00	7,400.00	7,347.93	178.26	29.93	-78.44	68.92	840.61	6,456.64	6,368.92	87.72	73.608	
14,500.00	7,875.00	7,400.00	7,347.93	180.87	29.93	-78.44	68.92	840.61	6,547.95	6,460.13	87.82	74.559	
14,600.00	7,875.00	7,400.00	7,347.93	183.48	29.93	-78.44	68.92	840.61	6,639.50	6,551.58	87.92	75.514	
14,700.00	7,875.00	7,400.00	7,347.93	186.09	29.93	-78.44	68.92	840.61	6,731.30	6,643.28	88.02	76.472	
14,800.00	7,875.00	7,400.00	7,347.93	188.71	29.93	-78.44	68.92	840.61	6,823.33	6,735.21	88.12	77.432	
14,900.00	7,875.00	7,400.00	7,347.93	191.33	29.93	-78.44	68.92	840.61	6,915.58	6,827.36	88.21	78.396	
15,000.00	7,875.00	7,400.00	7,347.93	193.95	29.93	-78.44	68.92	840.61	7,008.04	6,919.73	88.31	79.361	
15,100.00	7,875.00	7,400.00	7,347.93	196.57	29.93	-78.44	68.92	840.61	7,100.71	7,012.31	88.40	80.329	
15,200.00	7,875.00	7,400.00	7,347.93	199.19	29.93	-78.44	68.92	840.61	7,193.57	7,105.09	88.48	81.299	
15,300.00	7,875.00	7,400.00	7,347.93	201.82	29.93	-78.44	68.92	840.61	7,286.62	7,198.05	88.57	82.271	
15,400.00	7,875.00	7,400.00	7,347.93	204.45	29.93	-78.44	68.92	840.61	7,379.85	7,291.20	88.65	83.245	
15,500.00	7,875.00	7,400.00	7,347.93	207.08	29.93	-78.44	68.92	840.61	7,473.26	7,384.53	88.73	84.221	
15,600.00	7,875.00	7,400.00	7,347.93	209.71	29.93	-78.44	68.92	840.61	7,566.84	7,478.02	88.81	85.198	
15,700.00	7,875.00	7,400.00	7,347.93	212.34	29.93	-78.44	68.92	840.61	7,660.58	7,571.68	88.89	86.177	
15,800.00	7,875.00	7,400.00	7,347.93	214.98	29.93	-78.44	68.92	840.61	7,754.47	7,665.50	88.97	87.157	
15,900.00	7,875.00	7,400.00	7,347.93	217.61	29.93	-78.44	68.92	840.61	7,848.52	7,759.47	89.05	88.138	
16,000.00	7,875.00	7,400.00	7,347.93	220.25	29.93	-78.44	68.92	840.61	7,942.71	7,853.59	89.12	89.121	
16,100.00	7,875.00	7,400.00	7,347.93	222.89	29.93	-78.44	68.92	840.61	8,037.04	7,947.84	89.20	90.105	
16,200.00	7,875.00	7,400.00	7,347.93	225.53	29.93	-78.44	68.92	840.61	8,131.51	8,042.24	89.27	91.090	
16,300.00	7,875.00	7,400.00	7,347.93	228.17	29.93	-78.44	68.92	840.61	8,226.11	8,136.76	89.34	92.075	
16,400.00	7,875.00	7,400.00	7,347.93	230.81	29.93	-78.44	68.92	840.61	8,320.83	8,231.42	89.41	93.062	
16,500.00	7,875.00	7,400.00	7,347.93	233.46	29.93	-78.44	68.92	840.61	8,415.68	8,326.19	89.48	94.049	
16,600.00	7,875.00	7,400.00	7,347.93	236.10	29.93	-78.44	68.92	840.61	8,510.64	8,421.09	89.55	95.037	
16,700.00	7,875.00	7,400.00	7,347.93	238.75	29.93	-78.44	68.92	840.61	8,605.72	8,516.10	89.62	96.025	
16,800.00	7,875.00	7,400.00	7,347.93	241.40	29.93	-78.44	68.92	840.61	8,700.91	8,611.22	89.69	97.014	
16,900.00	7,875.00	7,400.00	7,347.93	244.05	29.93	-78.44	68.92	840.61	8,796.20	8,706.45	89.75	98.003	
17,000.00	7,875.00	7,400.00	7,347.93	246.70	29.93	-78.44	68.92	840.61	8,891.60	8,801.78	89.82	98.993	
17,100.00	7,875.00	7,400.00	7,347.93	249.35	29.93	-78.44	68.92	840.61	8,987.10	8,897.22	89.89	99.983	
17,200.00	7,875.00	7,400.00	7,347.93	252.00	29.93	-78.44	68.92	840.61	9,082.70	8,992.75	89.95	100.973	
17,300.00	7,875.00	7,400.00	7,347.93	254.65	29.93	-78.44	68.92	840.61	9,178.39	9,088.37	90.02	101.964	
17,400.00	7,875.00	7,400.00	7,347.93	257.31	29.93	-78.44	68.92	840.61	9,274.17	9,184.09	90.08	102.954	
17,500.00	7,875.00	7,400.00	7,347.93	259.96	29.93	-78.44	68.92	840.61	9,370.04	9,279.89	90.14	103.945	
17,600.00	7,875.00	7,400.00	7,347.93	262.62	29.93	-78.44	68.92	840.61	9,465.99	9,375.78	90.21	104.935	
17,700.00	7,875.00	7,400.00	7,347.93	265.27	29.93	-78.44	68.92	840.61	9,562.03	9,471.76	90.27	105.926	
17,800.00	7,875.00	7,400.00	7,347.93	267.93	29.93	-78.44	68.92	840.61	9,658.15	9,567.81	90.33	106.916	
17,900.00	7,875.00	7,400.00	7,347.93	270.59	29.93	-78.44	68.92	840.61	9,754.34	9,663.95	90.40	107.907	
18,000.00	7,875.00	7,400.00	7,347.93	273.24	29.93	-78.44	68.92	840.61	9,850.61	9,760.16	90.46	108.897	
18,100.00	7,875.00	7,400.00	7,347.93	275.90	29.93	-78.44	68.92	840.61	9,946.96	9,856.44	90.52	109.887	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - LONE TREE 4-65 15-16 2BH - OWB - PROPOSAL 1												Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	0.10	0.10	0.00	0.00	-0.13	124.95	-0.28	124.95				
100.00	100.00	100.10	100.10	0.13	0.13	-0.13	124.95	-0.28	124.95	124.68	0.27	464.126	
200.00	200.00	200.10	200.10	0.49	0.49	-0.13	124.95	-0.28	124.95	123.96	0.99	126.703	
250.00	250.00	250.10	250.10	0.67	0.67	-0.13	124.95	-0.28	124.95	123.60	1.34	92.924	
250.19	250.19	250.29	250.29	0.67	0.67	-0.13	124.95	-0.28	124.95	123.60	1.35	92.834 CC	
300.00	300.00	301.51	301.50	0.84	0.85	-171.19	124.66	0.08	125.10	123.40	1.69	73.877 ES	
400.00	399.93	404.26	404.18	1.18	1.21	-170.12	122.35	2.96	126.32	123.94	2.39	52.960	
500.00	499.68	506.85	506.51	1.54	1.57	-168.07	117.76	8.70	128.90	125.80	3.10	41.565	
600.00	599.13	609.18	608.24	1.91	1.96	-165.15	110.90	17.28	133.05	129.21	3.84	34.661	
700.00	698.15	710.81	708.83	2.31	2.37	-161.58	101.87	28.57	139.08	134.47	4.60	30.209	
800.00	796.63	810.08	806.89	2.74	2.79	-158.39	92.24	40.60	148.23	142.84	5.39	27.486	
900.00	894.44	909.08	904.70	3.20	3.21	-156.05	82.64	52.61	160.94	154.74	6.20	25.948	
1,000.00	991.46	1,007.70	1,002.12	3.70	3.64	-154.50	73.08	64.56	176.97	169.94	7.03	25.183	
1,100.00	1,087.58	1,105.80	1,099.04	4.24	4.06	-153.61	63.56	76.46	196.16	188.30	7.87	24.939 SF	
1,200.00	1,182.68	1,203.29	1,195.34	4.82	4.49	-153.24	54.11	88.27	218.43	209.71	8.71	25.066	
1,235.78	1,216.44	1,237.99	1,229.62	5.04	4.64	-153.21	50.74	92.48	227.13	218.11	9.02	25.175	
1,300.00	1,276.90	1,300.19	1,291.07	5.44	4.92	-153.33	44.71	100.02	243.10	233.53	9.57	25.408	
1,400.00	1,371.03	1,402.95	1,386.75	6.08	5.37	-153.49	35.32	111.76	267.97	257.52	10.45	25.650	
1,500.00	1,465.17	1,493.90	1,482.43	6.73	5.77	-153.62	25.93	123.51	292.84	281.56	11.28	25.956	
1,600.00	1,559.31	1,609.24	1,578.11	7.38	6.28	-153.73	16.54	135.25	317.72	305.49	12.23	25.985	
1,700.00	1,653.45	1,687.61	1,673.79	8.04	6.63	-153.83	7.14	146.99	342.59	329.57	13.02	26.321	
1,800.00	1,747.59	1,784.47	1,769.47	8.70	7.06	-153.91	-2.25	158.73	367.46	353.58	13.89	26.461	
1,900.00	1,841.72	1,881.33	1,865.16	9.36	7.49	-153.98	-11.64	170.47	392.34	377.58	14.76	26.579	
2,000.00	1,935.86	1,978.18	1,960.84	10.03	7.92	-154.05	-21.04	182.22	417.21	401.58	15.64	26.681	
2,100.00	2,030.00	2,075.04	2,056.52	10.70	8.35	-154.10	-30.43	193.96	442.09	425.57	16.52	26.769	
2,200.00	2,124.14	2,171.89	2,152.20	11.37	8.78	-154.15	-39.82	205.70	466.97	449.57	17.39	26.846	
2,300.00	2,218.27	2,268.75	2,247.88	12.04	9.22	-154.20	-49.21	217.44	491.84	473.57	18.27	26.914	
2,400.00	2,312.41	2,365.60	2,343.56	12.71	9.65	-154.24	-58.61	229.18	516.72	497.56	19.16	26.974	
2,500.00	2,406.55	2,462.46	2,439.24	13.39	10.08	-154.28	-68.00	240.93	541.60	521.56	20.04	27.028	
2,600.00	2,500.69	2,559.32	2,534.92	14.06	10.51	-154.31	-77.39	252.67	566.47	545.55	20.92	27.076	
2,700.00	2,594.83	2,656.17	2,630.61	14.73	10.94	-154.34	-86.78	264.41	591.35	569.55	21.81	27.119	
2,800.00	2,688.96	2,753.03	2,726.29	15.41	11.38	-154.37	-96.18	276.15	616.23	593.54	22.69	27.159	
2,900.00	2,783.10	2,849.88	2,821.97	16.09	11.81	-154.40	-105.57	287.89	641.11	617.53	23.57	27.194	
3,000.00	2,877.24	2,946.74	2,917.65	16.76	12.24	-154.42	-114.96	299.64	665.98	641.52	24.46	27.227	
3,100.00	2,971.38	3,043.59	3,013.33	17.44	12.67	-154.44	-124.36	311.38	690.86	665.52	25.35	27.257	
3,200.00	3,065.52	3,140.45	3,109.01	18.12	13.11	-154.46	-133.75	323.12	715.74	689.51	26.23	27.284	
3,300.00	3,159.65	3,237.31	3,204.69	18.80	13.54	-154.48	-143.14	334.86	740.62	713.50	27.12	27.310	
3,400.00	3,253.79	3,334.16	3,300.38	19.47	13.97	-154.50	-152.53	346.60	765.50	737.49	28.01	27.333	
3,500.00	3,347.93	3,431.02	3,396.06	20.15	14.40	-154.52	-161.93	358.35	790.37	761.48	28.89	27.355	
3,600.00	3,442.07	3,527.87	3,491.74	20.83	14.84	-154.54	-171.32	370.09	815.25	785.47	29.78	27.375	
3,700.00	3,536.20	3,624.73	3,587.42	21.51	15.27	-154.55	-180.71	381.83	840.13	809.46	30.67	27.393	
3,800.00	3,630.34	3,721.58	3,683.10	22.19	15.70	-154.57	-190.10	393.57	865.01	833.45	31.56	27.411	
3,900.00	3,724.48	3,818.44	3,778.78	22.87	16.14	-154.58	-199.50	405.31	889.89	857.44	32.45	27.427	
4,000.00	3,818.62	3,915.30	3,874.46	23.55	16.57	-154.59	-208.89	417.06	914.77	881.43	33.33	27.442	
4,100.00	3,912.76	4,012.15	3,970.15	24.23	17.00	-154.60	-218.28	428.80	939.65	905.42	34.22	27.457	
4,200.00	4,006.89	4,109.01	4,065.83	24.91	17.44	-154.62	-227.68	440.54	964.52	929.41	35.11	27.470	
4,300.00	4,101.03	4,205.86	4,161.51	25.59	17.87	-154.63	-237.07	452.28	989.40	953.40	36.00	27.483	
4,400.00	4,195.17	4,302.72	4,257.19	26.27	18.30	-154.64	-246.46	464.02	1,014.28	977.39	36.89	27.494	
4,500.00	4,289.31	4,400.43	4,352.87	26.95	18.74	-154.65	-255.85	475.77	1,039.16	1,001.38	37.78	27.503	
4,600.00	4,383.44	4,503.57	4,448.55	27.63	19.20	-154.66	-265.25	487.51	1,064.04	1,025.34	38.70	27.494	
4,700.00	4,477.58	4,606.72	4,544.23	28.31	19.66	-154.67	-274.64	499.25	1,088.92	1,049.30	39.62	27.486	
4,800.00	4,571.72	4,709.86	4,639.91	28.99	20.12	-154.67	-284.03	510.99	1,113.80	1,073.26	40.53	27.478	

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - LONE TREE 4-65 15-16 2BH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,900.00	4,665.86	4,787.00	4,735.60	29.67	20.47	-154.68	-293.42	522.73	1,138.67	1,097.34	41.34	27.545		
5,000.00	4,760.00	4,883.85	4,831.28	30.35	20.90	-154.69	-302.82	534.48	1,163.55	1,121.32	42.23	27.553		
5,100.00	4,854.13	4,980.71	4,926.96	31.03	21.34	-154.70	-312.21	546.22	1,188.43	1,145.31	43.12	27.562		
5,200.00	4,948.27	5,077.56	5,022.64	31.71	21.77	-154.70	-321.60	557.96	1,213.31	1,169.30	44.01	27.569		
5,300.00	5,042.41	5,174.42	5,118.32	32.39	22.20	-154.71	-330.99	569.70	1,238.19	1,193.29	44.90	27.577		
5,400.00	5,136.55	5,271.27	5,214.00	33.07	22.64	-154.72	-340.39	581.44	1,263.07	1,217.28	45.79	27.584		
5,500.00	5,230.69	5,368.13	5,309.68	33.75	23.07	-154.72	-349.78	593.19	1,287.95	1,241.27	46.68	27.590		
5,600.00	5,324.82	5,464.99	5,405.37	34.43	23.50	-154.73	-359.17	604.93	1,312.83	1,265.25	47.57	27.597		
5,700.00	5,418.96	5,561.84	5,501.05	35.12	23.94	-154.74	-368.57	616.67	1,337.71	1,289.24	48.46	27.603		
5,800.00	5,513.10	5,658.70	5,596.73	35.80	24.37	-154.74	-377.96	628.41	1,362.58	1,313.23	49.35	27.608		
5,900.00	5,607.24	5,755.55	5,692.41	36.48	24.80	-154.75	-387.35	640.15	1,387.46	1,337.22	50.24	27.614		
6,000.00	5,701.37	5,852.41	5,788.09	37.16	25.24	-154.75	-396.74	651.90	1,412.34	1,361.21	51.14	27.619		
6,100.00	5,795.51	5,949.26	5,883.77	37.84	25.67	-154.76	-406.14	663.64	1,437.22	1,385.19	52.03	27.624		
6,200.00	5,889.65	6,046.12	5,979.45	38.52	26.10	-154.76	-415.53	675.38	1,462.10	1,409.18	52.92	27.629		
6,300.00	5,983.79	6,142.98	6,075.14	39.20	26.54	-154.77	-424.92	687.12	1,486.98	1,433.17	53.81	27.634		
6,400.00	6,077.93	6,239.83	6,170.82	39.88	26.97	-154.77	-434.31	698.87	1,511.86	1,457.16	54.70	27.638		
6,500.00	6,172.06	6,336.69	6,266.50	40.56	27.40	-154.78	-443.71	710.61	1,536.74	1,481.14	55.59	27.642		
6,600.00	6,266.20	6,433.54	6,362.18	41.25	27.84	-154.78	-453.10	722.35	1,561.62	1,505.13	56.49	27.647		
6,700.00	6,360.34	6,530.40	6,457.86	41.93	28.27	-154.79	-462.49	734.09	1,586.50	1,529.12	57.38	27.650		
6,800.00	6,454.48	6,627.25	6,553.54	42.61	28.70	-154.79	-471.89	745.83	1,611.37	1,553.11	58.27	27.654		
6,900.00	6,548.61	6,724.11	6,649.22	43.29	29.14	-154.79	-481.28	757.58	1,636.25	1,577.09	59.16	27.658		
7,000.00	6,642.75	6,820.97	6,744.91	43.97	29.57	-154.80	-490.67	769.32	1,661.13	1,601.08	60.05	27.661		
7,100.00	6,736.89	6,917.82	6,840.59	44.65	30.00	-154.80	-500.06	781.06	1,686.01	1,625.07	60.94	27.665		
7,200.00	6,831.03	7,014.68	6,936.27	45.33	30.44	-154.80	-509.46	792.80	1,710.89	1,649.05	61.84	27.668		
7,300.00	6,925.17	7,111.53	7,031.95	46.02	30.87	-154.81	-518.85	804.54	1,735.77	1,673.04	62.73	27.671		
7,400.00	7,019.30	7,208.39	7,127.63	46.70	31.31	-154.81	-528.24	816.29	1,760.65	1,697.03	63.62	27.674		
7,500.00	7,113.44	7,305.24	7,223.31	47.38	31.74	-154.81	-537.63	828.03	1,785.53	1,721.01	64.51	27.676		
7,600.00	7,207.58	7,402.09	7,321.18	48.06	32.18	-154.82	-547.02	839.77	1,810.41	1,745.89	65.40	27.678		
7,700.00	7,301.72	7,500.00	7,419.08	48.74	32.61	-162.02	-556.41	851.51	1,835.29	1,770.77	66.29	27.680		
7,766.97	7,364.76	8,091.24	7,886.91	49.20	32.88	-166.23	-604.94	532.33	1,822.91	1,758.72	64.19	28.399		
7,800.00	7,395.79	8,124.69	7,901.25	49.43	32.87	-158.27	-606.54	502.17	1,824.45	1,760.21	64.24	28.399		
7,850.00	7,442.34	8,152.49	7,911.83	49.78	32.87	-147.15	-607.73	476.48	1,827.42	1,763.00	64.42	28.366		
7,900.00	7,488.07	8,163.60	7,915.71	50.13	32.87	-137.73	-608.17	466.08	1,831.40	1,766.76	64.63	28.335		
7,950.00	7,532.63	8,164.67	7,916.07	50.48	32.87	-130.00	-608.21	465.08	1,836.44	1,771.62	64.82	28.330		
8,000.00	7,575.69	8,159.31	7,914.23	50.84	32.87	-123.64	-608.00	470.11	1,842.52	1,777.55	64.97	28.361		
8,050.00	7,616.91	8,149.62	7,910.79	51.18	32.87	-118.32	-607.61	479.17	1,849.55	1,784.47	65.08	28.419		
8,100.00	7,655.99	8,136.88	7,906.04	51.53	32.87	-113.78	-607.07	490.97	1,857.40	1,792.25	65.15	28.508		
8,150.00	7,692.62	8,121.93	7,900.13	51.87	32.87	-109.82	-606.41	504.69	1,865.96	1,800.77	65.19	28.624		
8,200.00	7,726.53	8,105.33	7,893.16	52.21	32.88	-106.32	-605.64	519.73	1,875.06	1,809.88	65.19	28.764		
8,250.00	7,757.46	8,087.48	7,885.18	52.54	32.88	-103.18	-604.75	535.68	1,884.57	1,819.40	65.17	28.917		
8,300.00	7,785.17	8,068.65	7,876.23	52.87	32.89	-100.35	-603.77	552.21	1,894.33	1,829.19	65.14	29.082		
8,350.00	7,809.46	8,050.00	7,866.84	53.19	32.90	-97.81	-602.75	568.29	1,904.19	1,839.10	65.09	29.253		
8,400.00	7,830.13	8,028.85	7,855.57	53.51	32.90	-95.47	-601.54	586.14	1,914.01	1,848.94	65.06	29.418		
8,450.00	7,847.03	8,008.16	7,843.91	53.82	32.91	-93.37	-600.29	603.18	1,923.63	1,858.60	65.04	29.578		
8,500.00	7,860.04	7,987.08	7,831.41	54.14	32.92	-91.51	-598.95	620.11	1,932.93	1,867.91	65.03	29.725		
8,550.00	7,869.04	7,965.68	7,818.10	54.44	32.93	-89.86	-597.54	636.81	1,941.78	1,876.74	65.04	29.855		
8,600.00	7,873.98	7,950.00	7,807.96	54.75	32.94	-88.57	-596.47	648.71	1,950.07	1,884.99	65.07	29.968		
8,635.17	7,875.00	7,928.65	7,793.63	54.96	32.94	-87.59	-594.96	664.47	1,955.46	1,890.34	65.12	30.029		
8,700.00	7,875.00	7,900.00	7,773.51	55.36	32.95	-86.99	-592.86	684.75	1,965.82	1,900.61	65.22	30.143		
8,800.00	7,875.00	7,864.42	7,747.15	56.06	32.95	-86.22	-590.11	708.48	1,984.73	1,919.32	65.41	30.344		
8,900.00	7,875.00	7,832.26	7,722.11	56.85	32.95	-85.49	-587.52	728.49	2,007.34	1,941.70	65.64	30.579		
9,000.00	7,875.00	7,800.00	7,695.91	57.73	32.95	-84.73	-584.83	747.10	2,033.74	1,967.83	65.91	30.856		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - LONE TREE 4-65 15-16 2BH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,100.00	7,875.00	7,779.86	7,679.03	58.72	32.94	-84.24	-583.09	757.96	2,063.92	1,997.68	66.25	31.156		
9,200.00	7,875.00	7,750.00	7,653.34	59.81	32.93	-83.50	-580.47	772.94	2,097.92	2,031.35	66.57	31.516		
9,300.00	7,875.00	7,750.00	7,653.34	61.00	32.93	-83.50	-580.47	772.94	2,135.58	2,068.53	67.05	31.850		
9,400.00	7,875.00	7,722.66	7,629.17	62.30	32.91	-82.81	-578.01	785.47	2,176.72	2,109.30	67.42	32.286		
9,500.00	7,875.00	7,700.00	7,608.70	63.70	32.89	-82.23	-575.93	794.96	2,221.39	2,153.57	67.81	32.757		
9,600.00	7,875.00	7,700.00	7,608.70	65.19	32.89	-82.23	-575.93	794.96	2,269.28	2,200.93	68.35	33.201		
9,700.00	7,875.00	7,682.13	7,592.31	66.78	32.87	-81.77	-574.27	801.87	2,320.27	2,251.49	68.77	33.738		
9,800.00	7,875.00	7,671.19	7,582.16	68.45	32.86	-81.48	-573.24	805.84	2,374.22	2,304.98	69.24	34.291		
9,900.00	7,875.00	7,650.00	7,562.31	70.20	32.83	-80.92	-571.24	812.98	2,431.03	2,361.40	69.62	34.917		
10,000.00	7,875.00	7,650.00	7,562.31	72.02	32.83	-80.92	-571.24	812.98	2,490.25	2,420.11	70.14	35.503		
10,100.00	7,875.00	7,650.00	7,562.31	73.91	32.83	-80.92	-571.24	812.98	2,552.02	2,481.38	70.65	36.124		
10,200.00	7,875.00	7,650.00	7,562.31	75.86	32.83	-80.92	-571.24	812.98	2,616.16	2,545.02	71.13	36.778		
10,300.00	7,875.00	7,629.28	7,542.67	77.87	32.80	-80.37	-569.26	819.25	2,682.15	2,610.69	71.46	37.531		
10,400.00	7,875.00	7,622.81	7,536.48	79.93	32.79	-80.20	-568.64	821.06	2,750.27	2,678.39	71.88	38.264		
10,500.00	7,875.00	7,600.00	7,514.54	82.03	32.75	-79.59	-566.43	826.87	2,820.45	2,748.29	72.16	39.088		
10,600.00	7,875.00	7,600.00	7,514.54	84.18	32.75	-79.59	-566.43	826.87	2,891.99	2,819.42	72.58	39.847		
10,700.00	7,875.00	7,600.00	7,514.54	86.36	32.75	-79.59	-566.43	826.87	2,965.19	2,892.21	72.98	40.631		
10,800.00	7,875.00	7,600.00	7,514.54	88.58	32.75	-79.59	-566.43	826.87	3,039.90	2,966.54	73.36	41.438		
10,900.00	7,875.00	7,600.00	7,514.54	90.83	32.75	-79.59	-566.43	826.87	3,116.04	3,042.32	73.73	42.266		
11,000.00	7,875.00	7,600.00	7,514.54	93.11	32.75	-79.59	-566.43	826.87	3,193.49	3,119.42	74.07	43.114		
11,100.00	7,875.00	7,600.00	7,514.54	95.41	32.75	-79.59	-566.43	826.87	3,272.17	3,197.77	74.40	43.980		
11,200.00	7,875.00	7,600.00	7,514.54	97.74	32.75	-79.59	-566.43	826.87	3,351.98	3,277.27	74.71	44.864		
11,300.00	7,875.00	7,600.00	7,514.54	100.09	32.75	-79.59	-566.43	826.87	3,432.85	3,357.84	75.01	45.764		
11,400.00	7,875.00	7,577.87	7,493.05	102.46	32.71	-79.00	-564.28	831.67	3,514.29	3,439.12	75.17	46.752		
11,500.00	7,875.00	7,574.72	7,489.97	104.84	32.70	-78.91	-563.98	832.29	3,596.93	3,521.50	75.42	47.689		
11,600.00	7,875.00	7,571.74	7,487.06	107.25	32.70	-78.83	-563.68	832.85	3,680.41	3,604.75	75.67	48.639		
11,700.00	7,875.00	7,550.00	7,465.74	109.67	32.65	-78.25	-561.55	836.52	3,765.00	3,689.21	75.79	49.674		
11,800.00	7,875.00	7,550.00	7,465.74	112.10	32.65	-78.25	-561.55	836.52	3,849.94	3,773.90	76.03	50.634		
11,900.00	7,875.00	7,550.00	7,465.74	114.55	32.65	-78.25	-561.55	836.52	3,935.58	3,859.32	76.26	51.605		
12,000.00	7,875.00	7,550.00	7,465.74	117.01	32.65	-78.25	-561.55	836.52	4,021.89	3,945.40	76.48	52.586		
12,100.00	7,875.00	7,550.00	7,465.74	119.48	32.65	-78.25	-561.55	836.52	4,108.81	4,032.12	76.69	53.575		
12,200.00	7,875.00	7,550.00	7,465.74	121.96	32.65	-78.25	-561.55	836.52	4,196.32	4,119.43	76.89	54.574		
12,300.00	7,875.00	7,550.00	7,465.74	124.46	32.65	-78.25	-561.55	836.52	4,284.38	4,207.29	77.08	55.580		
12,400.00	7,875.00	7,550.00	7,465.74	126.96	32.65	-78.25	-561.55	836.52	4,372.95	4,295.68	77.27	56.594		
12,500.00	7,875.00	7,550.00	7,465.74	129.47	32.65	-78.25	-561.55	836.52	4,462.00	4,384.56	77.45	57.615		
12,600.00	7,875.00	7,550.00	7,465.74	131.99	32.65	-78.25	-561.55	836.52	4,551.51	4,473.89	77.61	58.642		
12,700.00	7,875.00	7,550.00	7,465.74	134.51	32.65	-78.25	-561.55	836.52	4,641.44	4,563.67	77.78	59.676		
12,800.00	7,875.00	7,550.00	7,465.74	137.04	32.65	-78.25	-561.55	836.52	4,731.78	4,653.85	77.93	60.715		
12,900.00	7,875.00	7,550.00	7,465.74	139.58	32.65	-78.25	-561.55	836.52	4,822.51	4,744.42	78.09	61.759		
13,000.00	7,875.00	7,550.00	7,465.74	142.13	32.65	-78.25	-561.55	836.52	4,913.59	4,835.35	78.23	62.808		
13,100.00	7,875.00	7,550.00	7,465.74	144.68	32.65	-78.25	-561.55	836.52	5,005.01	4,926.63	78.37	63.861		
13,200.00	7,875.00	7,550.00	7,465.74	147.24	32.65	-78.25	-561.55	836.52	5,096.75	5,018.24	78.51	64.919		
13,300.00	7,875.00	7,550.00	7,465.74	149.80	32.65	-78.25	-561.55	836.52	5,188.80	5,110.16	78.64	65.980		
13,400.00	7,875.00	7,550.00	7,465.74	152.37	32.65	-78.25	-561.55	836.52	5,281.14	5,202.37	78.77	67.046		
13,500.00	7,875.00	7,550.00	7,465.74	154.94	32.65	-78.25	-561.55	836.52	5,373.75	5,294.86	78.89	68.114		
13,600.00	7,875.00	7,550.00	7,465.74	157.52	32.65	-78.25	-561.55	836.52	5,466.62	5,387.61	79.01	69.185		
13,700.00	7,875.00	7,550.00	7,465.74	160.10	32.65	-78.25	-561.55	836.52	5,559.74	5,480.61	79.13	70.260		
13,800.00	7,875.00	7,550.00	7,465.74	162.68	32.65	-78.25	-561.55	836.52	5,653.10	5,573.85	79.25	71.337		
13,900.00	7,875.00	7,550.00	7,465.74	165.27	32.65	-78.25	-561.55	836.52	5,746.68	5,667.32	79.36	72.416		
14,000.00	7,875.00	7,550.00	7,465.74	167.86	32.65	-78.25	-561.55	836.52	5,840.47	5,761.00	79.46	73.498		
14,100.00	7,875.00	7,550.00	7,465.74	170.46	32.65	-78.25	-561.55	836.52	5,934.46	5,854.89	79.57	74.582		
14,200.00	7,875.00	7,527.31	7,443.35	173.06	32.60	-77.64	-559.32	839.49	6,028.18	5,948.60	79.59	75.745		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - LONE TREE 4-65 15-16 2BH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,875.00	7,526.32	7,442.37	175.66	32.59	-77.61	-559.23	839.59	6,122.51	6,042.83	79.68	76.835		
14,400.00	7,875.00	7,525.36	7,441.42	178.26	32.59	-77.58	-559.13	839.70	6,217.02	6,137.24	79.78	77.927		
14,500.00	7,875.00	7,524.43	7,440.50	180.87	32.59	-77.56	-559.04	839.80	6,311.69	6,231.82	79.87	79.020		
14,600.00	7,875.00	7,523.53	7,439.61	183.48	32.59	-77.53	-558.95	839.89	6,406.53	6,326.56	79.97	80.114		
14,700.00	7,875.00	7,522.65	7,438.74	186.09	32.58	-77.51	-558.87	839.98	6,501.51	6,421.46	80.06	81.210		
14,800.00	7,875.00	7,500.00	7,416.28	188.71	32.53	-76.90	-556.63	841.86	6,597.08	6,517.01	80.07	82.397		
14,900.00	7,875.00	7,500.00	7,416.28	191.33	32.53	-76.90	-556.63	841.86	6,692.32	6,612.16	80.16	83.490		
15,000.00	7,875.00	7,500.00	7,416.28	193.95	32.53	-76.90	-556.63	841.86	6,787.70	6,707.45	80.25	84.584		
15,100.00	7,875.00	7,500.00	7,416.28	196.57	32.53	-76.90	-556.63	841.86	6,883.21	6,802.88	80.34	85.679		
15,200.00	7,875.00	7,500.00	7,416.28	199.19	32.53	-76.90	-556.63	841.86	6,978.85	6,898.42	80.42	86.775		
15,300.00	7,875.00	7,500.00	7,416.28	201.82	32.53	-76.90	-556.63	841.86	7,074.61	6,994.09	80.51	87.871		
15,400.00	7,875.00	7,500.00	7,416.28	204.45	32.53	-76.90	-556.63	841.86	7,170.48	7,089.88	80.60	88.967		
15,500.00	7,875.00	7,500.00	7,416.28	207.08	32.53	-76.90	-556.63	841.86	7,266.46	7,185.78	80.68	90.064		
15,600.00	7,875.00	7,500.00	7,416.28	209.71	32.53	-76.90	-556.63	841.86	7,362.55	7,281.79	80.76	91.161		
15,700.00	7,875.00	7,500.00	7,416.28	212.34	32.53	-76.90	-556.63	841.86	7,458.75	7,377.90	80.85	92.258		
15,800.00	7,875.00	7,500.00	7,416.28	214.98	32.53	-76.90	-556.63	841.86	7,555.04	7,474.11	80.93	93.355		
15,900.00	7,875.00	7,500.00	7,416.28	217.61	32.53	-76.90	-556.63	841.86	7,651.43	7,570.42	81.01	94.452		
16,000.00	7,875.00	7,500.00	7,416.28	220.25	32.53	-76.90	-556.63	841.86	7,747.91	7,666.82	81.09	95.548		
16,100.00	7,875.00	7,500.00	7,416.28	222.89	32.53	-76.90	-556.63	841.86	7,844.48	7,763.31	81.17	96.645		
16,200.00	7,875.00	7,500.00	7,416.28	225.53	32.53	-76.90	-556.63	841.86	7,941.13	7,859.88	81.25	97.741		
16,300.00	7,875.00	7,500.00	7,416.28	228.17	32.53	-76.90	-556.63	841.86	8,037.86	7,956.54	81.32	98.837		
16,400.00	7,875.00	7,500.00	7,416.28	230.81	32.53	-76.90	-556.63	841.86	8,134.68	8,053.27	81.40	99.933		
16,500.00	7,875.00	7,500.00	7,416.28	233.46	32.53	-76.90	-556.63	841.86	8,231.57	8,150.09	81.48	101.028		
16,600.00	7,875.00	7,500.00	7,416.28	236.10	32.53	-76.90	-556.63	841.86	8,328.53	8,246.97	81.55	102.122		
16,700.00	7,875.00	7,500.00	7,416.28	238.75	32.53	-76.90	-556.63	841.86	8,425.56	8,343.93	81.63	103.216		
16,800.00	7,875.00	7,500.00	7,416.28	241.40	32.53	-76.90	-556.63	841.86	8,522.67	8,440.96	81.71	104.310		
16,900.00	7,875.00	7,500.00	7,416.28	244.05	32.53	-76.90	-556.63	841.86	8,619.83	8,538.05	81.78	105.402		
17,000.00	7,875.00	7,500.00	7,416.28	246.70	32.53	-76.90	-556.63	841.86	8,717.07	8,635.21	81.86	106.494		
17,100.00	7,875.00	7,500.00	7,416.28	249.35	32.53	-76.90	-556.63	841.86	8,814.36	8,732.43	81.93	107.585		
17,200.00	7,875.00	7,500.00	7,416.28	252.00	32.53	-76.90	-556.63	841.86	8,911.72	8,829.71	82.00	108.675		
17,300.00	7,875.00	7,500.00	7,416.28	254.65	32.53	-76.90	-556.63	841.86	9,009.13	8,927.05	82.08	109.764		
17,400.00	7,875.00	7,500.00	7,416.28	257.31	32.53	-76.90	-556.63	841.86	9,106.60	9,024.45	82.15	110.853		
17,500.00	7,875.00	7,500.00	7,416.28	259.96	32.53	-76.90	-556.63	841.86	9,204.12	9,121.90	82.22	111.940		
17,600.00	7,875.00	7,500.00	7,416.28	262.62	32.53	-76.90	-556.63	841.86	9,301.70	9,219.40	82.30	113.026		
17,700.00	7,875.00	7,500.00	7,416.28	265.27	32.53	-76.90	-556.63	841.86	9,399.32	9,316.95	82.37	114.112		
17,800.00	7,875.00	7,500.00	7,416.28	267.93	32.53	-76.90	-556.63	841.86	9,497.00	9,414.56	82.44	115.196		
17,900.00	7,875.00	7,500.00	7,416.28	270.59	32.53	-76.90	-556.63	841.86	9,594.72	9,512.21	82.51	116.279		
18,000.00	7,875.00	7,500.00	7,416.28	273.24	32.53	-76.90	-556.63	841.86	9,692.49	9,609.91	82.59	117.361		
18,100.00	7,875.00	7,500.00	7,416.28	275.90	32.53	-76.90	-556.63	841.86	9,790.31	9,707.65	82.66	118.441		
18,200.00	7,875.00	7,500.00	7,416.28	278.56	32.53	-76.90	-556.63	841.86	9,888.17	9,805.44	82.73	119.520		
18,300.00	7,875.00	7,500.00	7,416.28	281.22	32.53	-76.90	-556.63	841.86	9,986.07	9,903.27	82.80	120.599		

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - LONE TREE 4-65 15-16 3CH - OWB - PROPOSAL 1												Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	0.10	0.10	0.00	0.00	-0.21	75.04	-0.28	75.04				
100.00	100.00	100.10	100.10	0.13	0.13	-0.21	75.04	-0.28	75.04	74.77	0.27	278.754	
200.00	200.00	200.10	200.10	0.49	0.49	-0.21	75.04	-0.28	75.04	74.06	0.99	76.098	
250.00	250.00	250.10	250.10	0.67	0.67	-0.21	75.04	-0.28	75.04	73.70	1.34	55.811	
251.61	251.61	251.75	251.75	0.68	0.68	-171.41	75.04	-0.28	75.04	73.69	1.36	55.351 CC	
300.00	300.00	301.32	301.32	0.84	0.85	-171.31	74.63	-0.09	75.07	73.38	1.69	44.375	
400.00	399.93	403.75	403.68	1.18	1.20	-170.55	71.30	1.45	75.27	72.90	2.38	31.648	
500.00	499.68	506.15	505.81	1.54	1.56	-169.05	64.66	4.54	75.73	72.64	3.09	24.545 ES	
600.00	599.13	608.51	607.57	1.91	1.95	-166.84	54.72	9.15	76.51	72.70	3.81	20.106	
700.00	698.15	710.80	708.81	2.31	2.36	-163.97	41.50	15.28	77.71	73.17	4.54	17.100	
800.00	796.63	813.01	809.39	2.74	2.81	-160.52	25.02	22.93	79.47	74.16	5.31	14.963	
900.00	894.44	915.13	909.17	3.20	3.28	-156.61	5.32	32.07	81.93	75.81	6.12	13.384	
1,000.00	991.46	1,017.13	1,007.99	3.70	3.80	-152.37	-17.57	42.69	85.23	78.23	7.00	12.180	
1,100.00	1,087.58	1,118.29	1,105.11	4.24	4.35	-148.06	-43.24	54.60	89.63	81.68	7.95	11.269	
1,200.00	1,182.68	1,217.91	1,200.53	4.82	4.92	-145.03	-69.22	66.66	96.81	87.84	8.97	10.793	
1,235.78	1,216.44	1,253.52	1,234.63	5.04	5.12	-144.33	-78.50	70.97	100.12	90.78	9.34	10.721	
1,300.00	1,276.90	1,317.40	1,295.82	5.44	5.49	-143.36	-95.16	78.69	106.41	96.40	10.01	10.635	
1,400.00	1,371.03	1,416.89	1,391.11	6.08	6.08	-142.07	-121.10	90.73	116.26	105.20	11.07	10.507	
1,500.00	1,465.17	1,516.37	1,486.39	6.73	6.66	-140.98	-147.03	102.77	126.16	114.02	12.14	10.389	
1,600.00	1,559.31	1,615.85	1,581.68	7.38	7.26	-140.05	-172.97	114.80	136.10	122.86	13.24	10.281	
1,700.00	1,653.45	1,715.33	1,676.96	8.04	7.85	-139.24	-198.91	126.84	146.07	131.72	14.34	10.183	
1,800.00	1,747.59	1,814.82	1,772.25	8.70	8.45	-138.54	-224.85	138.87	156.06	140.60	15.46	10.094	
1,900.00	1,841.72	1,914.30	1,867.53	9.36	9.05	-137.93	-250.79	150.91	166.07	149.49	16.58	10.014	
2,000.00	1,935.86	2,013.78	1,962.81	10.03	9.65	-137.38	-276.72	162.94	176.11	158.39	17.72	9.941	
2,100.00	2,030.00	2,113.26	2,058.10	10.70	10.25	-136.89	-302.66	174.98	186.15	167.30	18.85	9.874	
2,200.00	2,124.14	2,212.75	2,153.38	11.37	10.86	-136.45	-328.60	187.02	196.21	176.22	19.99	9.814	
2,300.00	2,218.27	2,312.23	2,248.67	12.04	11.46	-136.06	-354.54	199.05	206.28	185.14	21.14	9.759	
2,400.00	2,312.41	2,411.71	2,343.95	12.71	12.07	-135.70	-380.48	211.09	216.35	194.07	22.29	9.708	
2,500.00	2,406.55	2,511.19	2,439.24	13.39	12.67	-135.37	-406.42	223.12	226.44	203.00	23.44	9.662	
2,600.00	2,500.69	2,610.68	2,534.52	14.06	13.28	-135.07	-432.35	235.16	236.53	211.94	24.59	9.619	
2,700.00	2,594.83	2,710.16	2,629.80	14.73	13.89	-134.80	-458.29	247.19	246.62	220.88	25.74	9.580	
2,800.00	2,688.96	2,809.64	2,725.09	15.41	14.49	-134.55	-484.23	259.23	256.72	229.82	26.90	9.543	
2,900.00	2,783.10	2,909.12	2,820.37	16.09	15.10	-134.31	-510.17	271.27	266.83	238.77	28.06	9.509	
3,000.00	2,877.24	3,008.61	2,915.66	16.76	15.71	-134.10	-536.11	283.30	276.94	247.72	29.22	9.477	
3,100.00	2,971.38	3,108.09	3,010.94	17.44	16.32	-133.90	-562.05	295.34	287.05	256.67	30.38	9.448	
3,200.00	3,065.52	3,207.57	3,106.23	18.12	16.93	-133.71	-587.98	307.37	297.17	265.62	31.55	9.420	
3,300.00	3,159.65	3,307.05	3,201.51	18.80	17.53	-133.53	-613.92	319.41	307.29	274.58	32.71	9.395	
3,400.00	3,253.79	3,406.53	3,296.79	19.47	18.14	-133.37	-639.86	331.44	317.41	283.54	33.87	9.370	
3,500.00	3,347.93	3,506.02	3,392.08	20.15	18.75	-133.22	-665.80	343.48	327.54	292.50	35.04	9.348	
3,600.00	3,442.07	3,605.50	3,487.36	20.83	19.36	-133.07	-691.74	355.52	337.66	301.46	36.21	9.326	
3,700.00	3,536.20	3,704.98	3,582.65	21.51	19.97	-132.93	-717.68	367.55	347.79	310.42	37.37	9.306	
3,800.00	3,630.34	3,804.46	3,677.93	22.19	20.58	-132.81	-743.61	379.59	357.93	319.39	38.54	9.287	
3,900.00	3,724.48	3,903.95	3,773.22	22.87	21.19	-132.68	-769.55	391.62	368.06	328.35	39.71	9.269	
4,000.00	3,818.62	4,003.43	3,868.50	23.55	21.80	-132.57	-795.49	403.66	378.19	337.32	40.88	9.252	
4,100.00	3,912.76	4,102.91	3,963.78	24.23	22.41	-132.46	-821.43	415.69	388.33	346.28	42.05	9.236	
4,200.00	4,006.89	4,202.39	4,059.07	24.91	23.02	-132.36	-847.37	427.73	398.46	355.25	43.22	9.220	
4,300.00	4,101.03	4,301.88	4,154.35	25.59	23.63	-132.26	-873.30	439.77	408.60	364.22	44.39	9.206	
4,400.00	4,195.17	4,401.36	4,249.64	26.27	24.24	-132.17	-899.24	451.80	418.74	373.19	45.56	9.192	
4,500.00	4,289.31	4,500.84	4,344.92	26.95	24.85	-132.08	-925.18	463.84	428.88	382.16	46.73	9.179	
4,600.00	4,383.44	4,600.32	4,440.21	27.63	25.46	-131.99	-951.12	475.87	439.02	391.13	47.90	9.166	
4,700.00	4,477.58	4,700.19	4,535.49	28.31	26.08	-131.91	-977.06	487.91	449.17	400.09	49.07	9.153	
4,800.00	4,571.72	4,800.71	4,630.77	28.99	26.69	-131.83	-1,003.00	499.94	459.31	409.06	50.25	9.141	

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - LONE TREE 4-65 15-16 3CH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,900.00	4,665.86	4,901.23	4,726.06	29.67	27.31	-131.76	-1,028.93	511.98	469.45	418.03	51.43	9.129		
5,000.00	4,760.00	5,001.75	4,821.34	30.35	27.93	-131.69	-1,054.87	524.02	479.60	426.99	52.61	9.117		
5,100.00	4,854.13	5,102.27	4,916.63	31.03	28.55	-131.62	-1,080.81	536.05	489.74	435.96	53.78	9.106		
5,200.00	4,948.27	5,197.22	5,011.91	31.71	29.13	-131.55	-1,106.75	548.09	499.89	444.96	54.93	9.100		
5,300.00	5,042.41	5,303.30	5,107.20	32.39	29.78	-131.49	-1,132.69	560.12	510.04	453.90	56.14	9.085		
5,400.00	5,136.55	5,396.18	5,202.48	33.07	30.35	-131.43	-1,158.63	572.16	520.18	462.91	57.28	9.082		
5,500.00	5,230.69	5,504.34	5,297.76	33.75	31.01	-131.37	-1,184.56	584.19	530.33	471.83	58.50	9.066		
5,600.00	5,324.82	5,604.85	5,393.05	34.43	31.63	-131.32	-1,210.50	596.23	540.48	480.80	59.68	9.057		
5,700.00	5,418.96	5,705.37	5,488.33	35.12	32.25	-131.26	-1,236.44	608.27	550.63	489.77	60.86	9.048		
5,800.00	5,513.10	5,794.11	5,583.62	35.80	32.79	-131.21	-1,262.38	620.30	560.78	498.81	61.97	9.049		
5,900.00	5,607.24	5,893.59	5,678.90	36.48	33.41	-131.16	-1,288.32	632.34	570.93	507.78	63.14	9.042		
6,000.00	5,701.37	6,006.92	5,774.19	37.16	34.10	-131.11	-1,314.25	644.37	581.08	516.68	64.40	9.023		
6,100.00	5,795.51	6,107.44	5,869.47	37.84	34.72	-131.07	-1,340.19	656.41	591.23	525.65	65.58	9.016		
6,200.00	5,889.65	6,192.04	5,964.75	38.52	35.24	-131.02	-1,366.13	668.44	601.38	534.71	66.67	9.021		
6,300.00	5,983.79	6,308.48	6,060.04	39.20	35.96	-130.98	-1,392.07	680.48	611.53	543.59	67.94	9.001		
6,400.00	6,077.93	6,391.01	6,155.32	39.88	36.46	-130.94	-1,418.01	692.52	621.68	552.67	69.01	9.008		
6,500.00	6,172.06	6,509.51	6,250.61	40.56	37.19	-130.90	-1,443.95	704.55	631.83	561.53	70.30	8.988		
6,600.00	6,266.20	6,589.97	6,345.89	41.25	37.69	-130.86	-1,469.88	716.59	641.99	570.62	71.36	8.996		
6,700.00	6,360.34	6,689.45	6,441.18	41.93	38.30	-130.82	-1,495.82	728.62	652.14	579.60	72.54	8.990		
6,800.00	6,454.48	6,788.94	6,536.46	42.61	38.91	-130.78	-1,521.76	740.66	662.29	588.58	73.71	8.985		
6,900.00	6,548.61	6,888.42	6,631.74	43.29	39.52	-130.75	-1,547.70	752.69	672.44	597.56	74.89	8.979		
7,000.00	6,642.75	6,987.90	6,727.03	43.97	40.13	-130.71	-1,573.64	764.73	682.60	606.53	76.06	8.974		
7,100.00	6,736.89	7,087.38	6,822.31	44.65	40.74	-130.68	-1,599.58	776.77	692.75	615.51	77.24	8.969		
7,200.00	6,831.03	7,186.87	6,917.60	45.33	41.35	-130.64	-1,625.51	788.80	702.90	624.49	78.41	8.964		
7,300.00	6,925.17	7,286.35	7,012.88	46.02	41.97	-130.61	-1,651.45	800.84	713.06	633.47	79.59	8.959		
7,400.00	7,019.30	7,385.83	7,108.17	46.70	42.58	-130.58	-1,677.39	812.87	723.21	642.45	80.76	8.955		
7,500.00	7,113.44	7,485.31	7,203.45	47.38	43.19	-130.55	-1,703.33	824.91	733.37	651.43	81.94	8.950		
7,600.00	7,207.58	7,584.79	7,298.73	48.06	43.80	-130.52	-1,729.27	836.94	743.52	660.41	83.12	8.946		
7,700.00	7,301.72	7,684.27	7,394.07	48.74	44.42	-130.49	-1,755.21	849.00	753.67	669.49	84.30	8.941		
7,766.97	7,364.76	8,224.58	7,842.91	49.20	45.57	-150.46	-1,877.74	611.27	711.93	644.78	67.15	10.602		
7,800.00	7,395.79	8,279.26	7,872.04	49.43	45.55	-147.38	-1,885.73	565.71	697.32	631.82	65.49	10.647		
7,850.00	7,442.34	8,326.23	7,893.62	49.78	45.52	-142.15	-1,891.65	524.44	675.28	610.27	65.01	10.387		
7,900.00	7,488.07	8,348.21	7,902.59	50.13	45.50	-137.01	-1,894.11	504.52	655.00	589.35	65.66	9.976		
7,950.00	7,532.63	8,355.99	7,905.58	50.48	45.49	-132.34	-1,894.94	497.38	637.52	570.84	66.68	9.561		
8,000.00	7,575.69	8,355.09	7,905.24	50.84	45.49	-128.14	-1,894.84	498.21	623.43	555.72	67.71	9.208		
8,050.00	7,616.91	8,348.55	7,902.72	51.18	45.50	-124.28	-1,894.15	504.21	613.04	544.51	68.54	8.945		
8,100.00	7,655.99	8,338.16	7,898.58	51.53	45.51	-120.60	-1,893.01	513.67	606.53	537.48	69.05	8.784		
8,150.00	7,692.62	8,325.03	7,893.11	51.87	45.52	-117.01	-1,891.51	525.51	603.90	534.69	69.20	8.727 SF		
8,159.86	7,699.53	8,322.19	7,891.90	51.94	45.52	-116.30	-1,891.18	528.05	603.82	534.63	69.19	8.727		
8,200.00	7,726.53	8,309.90	7,886.49	52.21	45.53	-113.43	-1,889.69	538.99	605.00	536.01	68.99	8.769		
8,250.00	7,757.46	8,293.25	7,878.81	52.54	45.54	-109.81	-1,887.58	553.61	609.60	541.13	68.46	8.904		
8,300.00	7,785.17	8,275.44	7,870.14	52.87	45.55	-106.15	-1,885.20	568.99	617.36	549.66	67.70	9.119		
8,350.00	7,809.46	8,256.70	7,860.53	53.19	45.56	-102.46	-1,882.57	584.85	627.89	561.11	66.78	9.403		
8,400.00	7,830.13	8,237.23	7,850.02	53.51	45.57	-98.75	-1,879.69	600.98	640.77	574.97	65.80	9.738		
8,450.00	7,847.03	8,217.17	7,838.64	53.82	45.57	-95.09	-1,876.57	617.21	655.54	590.70	64.85	10.109		
8,500.00	7,860.04	8,200.00	7,828.47	54.14	45.58	-91.74	-1,873.78	630.76	671.81	607.78	64.03	10.492		
8,550.00	7,869.04	8,175.66	7,813.40	54.44	45.57	-88.06	-1,869.66	649.41	689.11	625.82	63.29	10.889		
8,600.00	7,873.98	8,150.00	7,796.69	54.75	45.57	-84.54	-1,865.09	668.35	707.13	644.47	62.66	11.285		
8,635.17	7,875.00	8,139.22	7,789.43	54.96	45.56	-82.65	-1,863.10	676.06	719.99	657.47	62.52	11.571		
8,700.00	7,875.00	8,112.50	7,770.85	55.36	45.55	-81.15	-1,858.02	694.57	745.43	683.16	62.27	11.970		
8,800.00	7,875.00	8,076.06	7,744.20	56.06	45.52	-79.06	-1,850.73	718.32	790.83	728.47	62.37	12.680		
8,900.00	7,875.00	8,050.00	7,724.27	56.85	45.50	-77.54	-1,845.29	734.21	843.19	780.03	63.17	13.348		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - LONE TREE 4-65 15-16 3CH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,000.00	7,875.00	8,017.35	7,698.35	57.73	45.45	-75.63	-1,838.21	752.76	901.67	837.74	63.93	14.104		
9,100.00	7,875.00	8,000.00	7,684.18	58.72	45.43	-74.62	-1,834.34	761.99	965.62	900.23	65.39	14.768		
9,200.00	7,875.00	7,972.76	7,661.41	59.81	45.38	-73.03	-1,828.12	775.56	1,034.11	967.66	66.45	15.562		
9,300.00	7,875.00	7,950.00	7,641.91	61.00	45.34	-71.71	-1,822.79	786.03	1,106.63	1,039.00	67.63	16.362		
9,400.00	7,875.00	7,950.00	7,641.91	62.30	45.34	-71.71	-1,822.79	786.03	1,182.64	1,113.12	69.51	17.013		
9,500.00	7,875.00	7,923.64	7,618.86	63.70	45.28	-70.21	-1,816.50	797.15	1,261.19	1,190.84	70.35	17.927		
9,600.00	7,875.00	7,900.00	7,597.78	65.19	45.23	-68.88	-1,810.75	806.17	1,342.47	1,271.28	71.19	18.859		
9,700.00	7,875.00	7,900.00	7,597.78	66.78	45.23	-68.88	-1,810.75	806.17	1,425.55	1,352.94	72.62	19.632		
9,800.00	7,875.00	7,900.00	7,597.78	68.45	45.23	-68.88	-1,810.75	806.17	1,510.69	1,436.81	73.88	20.447		
9,900.00	7,875.00	7,878.84	7,578.62	70.20	45.16	-67.71	-1,805.52	813.48	1,597.06	1,522.59	74.47	21.446		
10,000.00	7,875.00	7,870.11	7,570.64	72.02	45.14	-67.23	-1,803.35	816.28	1,684.89	1,609.60	75.29	22.378		
10,100.00	7,875.00	7,850.00	7,552.12	73.91	45.08	-66.15	-1,798.30	822.25	1,774.02	1,698.26	75.77	23.414		
10,200.00	7,875.00	7,850.00	7,552.12	75.86	45.08	-66.15	-1,798.30	822.25	1,863.86	1,787.23	76.62	24.325		
10,300.00	7,875.00	7,850.00	7,552.12	77.87	45.08	-66.15	-1,798.30	822.25	1,954.68	1,877.28	77.39	25.256		
10,400.00	7,875.00	7,850.00	7,552.12	79.93	45.08	-66.15	-1,798.30	822.25	2,046.35	1,968.27	78.09	26.206		
10,500.00	7,875.00	7,850.00	7,552.12	82.03	45.08	-66.15	-1,798.30	822.25	2,138.78	2,060.06	78.71	27.172		
10,600.00	7,875.00	7,830.66	7,534.12	84.18	45.02	-65.13	-1,793.39	827.35	2,231.46	2,152.52	78.94	28.269		
10,700.00	7,875.00	7,825.67	7,529.45	86.36	45.00	-64.87	-1,792.11	828.56	2,324.88	2,245.50	79.38	29.287		
10,800.00	7,875.00	7,821.01	7,525.08	88.58	44.98	-64.63	-1,790.92	829.66	2,418.79	2,338.99	79.79	30.313		
10,900.00	7,875.00	7,800.00	7,505.28	90.83	44.91	-63.55	-1,785.53	834.13	2,513.41	2,433.50	79.91	31.452		
11,000.00	7,875.00	7,800.00	7,505.28	93.11	44.91	-63.55	-1,785.53	834.13	2,608.00	2,527.66	80.34	32.462		
11,100.00	7,875.00	7,800.00	7,505.28	95.41	44.91	-63.55	-1,785.53	834.13	2,702.98	2,622.25	80.73	33.480		
11,200.00	7,875.00	7,800.00	7,505.28	97.74	44.91	-63.55	-1,785.53	834.13	2,798.32	2,717.22	81.10	34.505		
11,300.00	7,875.00	7,800.00	7,505.28	100.09	44.91	-63.55	-1,785.53	834.13	2,893.97	2,812.53	81.44	35.535		
11,400.00	7,875.00	7,800.00	7,505.28	102.46	44.91	-63.55	-1,785.53	834.13	2,989.90	2,908.14	81.75	36.572		
11,500.00	7,875.00	7,800.00	7,505.28	104.84	44.91	-63.55	-1,785.53	834.13	3,086.09	3,004.04	82.05	37.612		
11,600.00	7,875.00	7,800.00	7,505.28	107.25	44.91	-63.55	-1,785.53	834.13	3,182.52	3,100.19	82.33	38.657		
11,700.00	7,875.00	7,800.00	7,505.28	109.67	44.91	-63.55	-1,785.53	834.13	3,279.16	3,196.57	82.59	39.706		
11,800.00	7,875.00	7,800.00	7,505.28	112.10	44.91	-63.55	-1,785.53	834.13	3,375.99	3,293.16	82.83	40.758		
11,900.00	7,875.00	7,800.00	7,505.28	114.55	44.91	-63.55	-1,785.53	834.13	3,473.01	3,389.95	83.06	41.813		
12,000.00	7,875.00	7,800.00	7,505.28	117.01	44.91	-63.55	-1,785.53	834.13	3,570.19	3,486.91	83.28	42.871		
12,100.00	7,875.00	7,800.00	7,505.28	119.48	44.91	-63.55	-1,785.53	834.13	3,667.52	3,584.03	83.48	43.930		
12,200.00	7,875.00	7,778.20	7,484.57	121.96	44.82	-62.47	-1,779.88	837.98	3,764.52	3,681.09	83.43	45.121		
12,300.00	7,875.00	7,776.17	7,482.64	124.46	44.81	-62.37	-1,779.36	838.30	3,862.03	3,778.43	83.60	46.196		
12,400.00	7,875.00	7,774.23	7,480.80	126.96	44.81	-62.27	-1,778.85	838.60	3,959.65	3,875.89	83.76	47.273		
12,500.00	7,875.00	7,772.38	7,479.03	129.47	44.80	-62.18	-1,778.37	838.87	4,057.39	3,973.47	83.92	48.350		
12,600.00	7,875.00	7,750.00	7,457.61	131.99	44.71	-61.11	-1,772.53	841.75	4,155.64	4,071.80	83.85	49.562		
12,700.00	7,875.00	7,750.00	7,457.61	134.51	44.71	-61.11	-1,772.53	841.75	4,253.51	4,169.50	84.01	50.630		
12,800.00	7,875.00	7,750.00	7,457.61	137.04	44.71	-61.11	-1,772.53	841.75	4,351.47	4,267.30	84.17	51.698		
12,900.00	7,875.00	7,750.00	7,457.61	139.58	44.71	-61.11	-1,772.53	841.75	4,449.52	4,365.20	84.32	52.767		
13,000.00	7,875.00	7,750.00	7,457.61	142.13	44.71	-61.11	-1,772.53	841.75	4,547.66	4,463.19	84.47	53.837		
13,100.00	7,875.00	7,750.00	7,457.61	144.68	44.71	-61.11	-1,772.53	841.75	4,645.88	4,561.27	84.61	54.908		
13,200.00	7,875.00	7,750.00	7,457.61	147.24	44.71	-61.11	-1,772.53	841.75	4,744.17	4,659.42	84.75	55.979		
13,300.00	7,875.00	7,750.00	7,457.61	149.80	44.71	-61.11	-1,772.53	841.75	4,842.53	4,757.65	84.88	57.050		
13,400.00	7,875.00	7,750.00	7,457.61	152.37	44.71	-61.11	-1,772.53	841.75	4,940.96	4,855.95	85.01	58.122		
13,500.00	7,875.00	7,750.00	7,457.61	154.94	44.71	-61.11	-1,772.53	841.75	5,039.45	4,954.31	85.14	59.193		
13,600.00	7,875.00	7,750.00	7,457.61	157.52	44.71	-61.11	-1,772.53	841.75	5,138.00	5,052.74	85.26	60.265		
13,700.00	7,875.00	7,750.00	7,457.61	160.10	44.71	-61.11	-1,772.53	841.75	5,236.60	5,151.22	85.38	61.336		
13,800.00	7,875.00	7,750.00	7,457.61	162.68	44.71	-61.11	-1,772.53	841.75	5,335.25	5,249.76	85.49	62.407		
13,900.00	7,875.00	7,750.00	7,457.61	165.27	44.71	-61.11	-1,772.53	841.75	5,433.96	5,348.35	85.60	63.478		
14,000.00	7,875.00	7,750.00	7,457.61	167.86	44.71	-61.11	-1,772.53	841.75	5,532.71	5,446.99	85.71	64.548		
14,100.00	7,875.00	7,750.00	7,457.61	170.46	44.71	-61.11	-1,772.53	841.75	5,631.50	5,545.68	85.82	65.619		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - LONE TREE 4-65 15-16 3CH - OWB - PROPOSAL 1													Offset Site Error: 0.00 usft	
Survey Program: 0-MWD OWSG													Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,875.00	7,750.00	7,457.61	173.06	44.71	-61.11	-1,772.53	841.75	5,730.34	5,644.41	85.93	66.688		
14,300.00	7,875.00	7,750.00	7,457.61	175.66	44.71	-61.11	-1,772.53	841.75	5,829.22	5,743.18	86.03	67.757		
14,400.00	7,875.00	7,750.00	7,457.61	178.26	44.71	-61.11	-1,772.53	841.75	5,928.13	5,842.00	86.13	68.826		
14,500.00	7,875.00	7,750.00	7,457.61	180.87	44.71	-61.11	-1,772.53	841.75	6,027.08	5,940.85	86.23	69.894		
14,600.00	7,875.00	7,750.00	7,457.61	183.48	44.71	-61.11	-1,772.53	841.75	6,126.06	6,039.73	86.33	70.961		
14,700.00	7,875.00	7,750.00	7,457.61	186.09	44.71	-61.11	-1,772.53	841.75	6,225.08	6,138.65	86.43	72.027		
14,800.00	7,875.00	7,750.00	7,457.61	188.71	44.71	-61.11	-1,772.53	841.75	6,324.13	6,237.60	86.52	73.093		
14,900.00	7,875.00	7,750.00	7,457.61	191.33	44.71	-61.11	-1,772.53	841.75	6,423.20	6,336.59	86.62	74.157		
15,000.00	7,875.00	7,750.00	7,457.61	193.95	44.71	-61.11	-1,772.53	841.75	6,522.31	6,435.60	86.71	75.221		
15,100.00	7,875.00	7,750.00	7,457.61	196.57	44.71	-61.11	-1,772.53	841.75	6,621.44	6,534.64	86.80	76.284		
15,200.00	7,875.00	7,750.00	7,457.61	199.19	44.71	-61.11	-1,772.53	841.75	6,720.60	6,633.71	86.89	77.346		
15,300.00	7,875.00	7,750.00	7,457.61	201.82	44.71	-61.11	-1,772.53	841.75	6,819.78	6,732.80	86.98	78.407		
15,400.00	7,875.00	7,750.00	7,457.61	204.45	44.71	-61.11	-1,772.53	841.75	6,918.98	6,831.92	87.07	79.466		
15,500.00	7,875.00	7,750.00	7,457.61	207.08	44.71	-61.11	-1,772.53	841.75	7,018.21	6,931.06	87.16	80.525		
15,600.00	7,875.00	7,750.00	7,457.61	209.71	44.71	-61.11	-1,772.53	841.75	7,117.46	7,030.22	87.24	81.583		
15,700.00	7,875.00	7,750.00	7,457.61	212.34	44.71	-61.11	-1,772.53	841.75	7,216.73	7,129.40	87.33	82.639		
15,800.00	7,875.00	7,750.00	7,457.61	214.98	44.71	-61.11	-1,772.53	841.75	7,316.02	7,228.61	87.41	83.694		
15,900.00	7,875.00	7,750.00	7,457.61	217.61	44.71	-61.11	-1,772.53	841.75	7,415.33	7,327.83	87.50	84.748		
16,000.00	7,875.00	7,750.00	7,457.61	220.25	44.71	-61.11	-1,772.53	841.75	7,514.66	7,427.08	87.58	85.801		
16,100.00	7,875.00	7,750.00	7,457.61	222.89	44.71	-61.11	-1,772.53	841.75	7,614.01	7,526.34	87.67	86.852		
16,200.00	7,875.00	7,750.00	7,457.61	225.53	44.71	-61.11	-1,772.53	841.75	7,713.37	7,625.62	87.75	87.902		
16,300.00	7,875.00	7,750.00	7,457.61	228.17	44.71	-61.11	-1,772.53	841.75	7,812.75	7,724.91	87.83	88.951		
16,400.00	7,875.00	7,750.00	7,457.61	230.81	44.71	-61.11	-1,772.53	841.75	7,912.14	7,824.23	87.91	89.998		
16,500.00	7,875.00	7,750.00	7,457.61	233.46	44.71	-61.11	-1,772.53	841.75	8,011.55	7,923.55	88.00	91.044		
16,600.00	7,875.00	7,750.00	7,457.61	236.10	44.71	-61.11	-1,772.53	841.75	8,110.97	8,022.90	88.08	92.089		
16,700.00	7,875.00	7,750.00	7,457.61	238.75	44.71	-61.11	-1,772.53	841.75	8,210.41	8,122.25	88.16	93.132		
16,800.00	7,875.00	7,750.00	7,457.61	241.40	44.71	-61.11	-1,772.53	841.75	8,309.86	8,221.62	88.24	94.173		
16,900.00	7,875.00	7,750.00	7,457.61	244.05	44.71	-61.11	-1,772.53	841.75	8,409.33	8,321.01	88.32	95.213		
17,000.00	7,875.00	7,750.00	7,457.61	246.70	44.71	-61.11	-1,772.53	841.75	8,508.80	8,420.40	88.40	96.252		
17,100.00	7,875.00	7,750.00	7,457.61	249.35	44.71	-61.11	-1,772.53	841.75	8,608.29	8,519.81	88.48	97.289		
17,200.00	7,875.00	7,750.00	7,457.61	252.00	44.71	-61.11	-1,772.53	841.75	8,707.79	8,619.23	88.56	98.324		
17,300.00	7,875.00	7,750.00	7,457.61	254.65	44.71	-61.11	-1,772.53	841.75	8,807.31	8,718.66	88.64	99.358		
17,400.00	7,875.00	7,750.00	7,457.61	257.31	44.71	-61.11	-1,772.53	841.75	8,906.83	8,818.11	88.72	100.391		
17,500.00	7,875.00	7,750.00	7,457.61	259.96	44.71	-61.11	-1,772.53	841.75	9,006.36	8,917.56	88.80	101.421		
17,600.00	7,875.00	7,750.00	7,457.61	262.62	44.71	-61.11	-1,772.53	841.75	9,105.91	9,017.03	88.88	102.450		
17,700.00	7,875.00	7,750.00	7,457.61	265.27	44.71	-61.11	-1,772.53	841.75	9,205.46	9,116.50	88.96	103.478		
17,800.00	7,875.00	7,750.00	7,457.61	267.93	44.71	-61.11	-1,772.53	841.75	9,305.02	9,215.98	89.04	104.504		
17,900.00	7,875.00	7,750.00	7,457.61	270.59	44.71	-61.11	-1,772.53	841.75	9,404.60	9,315.48	89.12	105.528		
18,000.00	7,875.00	7,750.00	7,457.61	273.24	44.71	-61.11	-1,772.53	841.75	9,504.18	9,414.98	89.20	106.550		
18,100.00	7,875.00	7,726.56	7,435.09	275.90	44.59	-60.02	-1,766.40	843.82	9,603.26	9,514.16	89.10	107.777		
18,200.00	7,875.00	7,726.19	7,434.74	278.56	44.59	-60.00	-1,766.30	843.85	9,702.84	9,613.66	89.18	108.801		
18,300.00	7,875.00	7,725.84	7,434.39	281.22	44.59	-59.99	-1,766.21	843.87	9,802.43	9,713.18	89.26	109.822		
18,400.00	7,875.00	7,725.48	7,434.05	283.89	44.59	-59.97	-1,766.12	843.90	9,902.03	9,812.70	89.33	110.842		

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - LONE TREE 4-65 15-16 4AH - OWB - PROPOSAL 1												Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	0.00	0.00	0.00	0.00	-0.64	25.14	-0.28	25.14				
100.00	100.00	100.00	100.00	0.13	0.13	-0.64	25.14	-0.28	25.14	24.87	0.27	93.509	
200.00	200.00	200.00	200.00	0.49	0.49	-0.64	25.14	-0.28	25.14	24.15	0.99	25.503	
250.00	250.00	250.00	250.00	0.67	0.67	-0.64	25.14	-0.28	25.14	23.80	1.34	18.702	
300.00	300.00	300.42	300.41	0.84	0.85	-171.64	24.72	-0.13	25.16	23.47	1.69	14.899	
400.00	399.93	401.25	401.18	1.18	1.19	-170.11	21.39	1.08	25.30	22.93	2.37	10.680	
500.00	499.68	502.07	501.74	1.54	1.55	-167.12	14.72	3.51	25.65	22.58	3.07	8.355	
600.00	599.13	602.86	601.97	1.91	1.93	-162.79	4.74	7.13	26.28	22.50	3.78	6.945	
700.00	698.15	703.64	701.74	2.31	2.33	-157.39	-8.55	11.97	27.35	22.83	4.52	6.047	
800.00	796.63	804.37	800.92	2.74	2.76	-151.27	-25.11	17.99	28.99	23.69	5.30	5.465	
900.00	894.44	905.06	899.37	3.20	3.23	-144.88	-44.94	25.20	31.33	25.18	6.15	5.094	
1,000.00	991.46	1,005.70	996.97	3.70	3.73	-138.62	-67.99	33.58	34.47	27.38	7.09	4.864	
1,100.00	1,087.58	1,106.29	1,093.59	4.24	4.28	-132.80	-94.24	43.12	38.44	30.31	8.13	4.729	
1,200.00	1,182.68	1,206.81	1,189.12	4.82	4.87	-127.59	-123.64	53.81	43.27	33.99	9.28	4.662	
1,235.78	1,216.44	1,242.76	1,223.01	5.04	5.10	-125.89	-134.91	57.91	45.20	35.48	9.72	4.648	
1,300.00	1,276.90	1,307.13	1,283.32	5.44	5.51	-122.46	-156.05	65.59	48.57	38.01	10.56	4.600	
1,400.00	1,371.03	1,406.89	1,376.59	6.08	6.17	-117.45	-189.30	77.68	53.92	42.01	11.91	4.527	
1,500.00	1,465.17	1,506.64	1,469.86	6.73	6.84	-113.36	-222.56	89.78	59.62	46.33	13.29	4.487	
1,600.00	1,559.31	1,606.40	1,563.13	7.38	7.52	-110.00	-255.82	101.87	65.56	50.89	14.67	4.470	
1,700.00	1,653.45	1,706.16	1,656.40	8.04	8.20	-107.21	-289.08	113.96	71.69	55.64	16.05	4.466	
1,800.00	1,747.59	1,805.91	1,749.67	8.70	8.89	-104.86	-322.33	126.05	77.96	60.52	17.44	4.471	
1,900.00	1,841.72	1,905.67	1,842.94	9.36	9.59	-102.86	-355.59	138.14	84.35	65.53	18.82	4.481	
2,000.00	1,935.86	2,005.43	1,936.20	10.03	10.28	-101.14	-388.85	150.23	90.82	70.62	20.20	4.495	
2,100.00	2,030.00	2,105.18	2,029.47	10.70	10.98	-99.66	-422.11	162.33	97.36	75.78	21.58	4.511	
2,200.00	2,124.14	2,204.94	2,122.74	11.37	11.68	-98.36	-455.36	174.42	103.96	81.00	22.96	4.527	
2,300.00	2,218.27	2,304.69	2,216.01	12.04	12.38	-97.22	-488.62	186.51	110.61	86.27	24.34	4.544	
2,400.00	2,312.41	2,404.45	2,309.28	12.71	13.08	-96.20	-521.88	198.60	117.29	91.58	25.71	4.561	
2,500.00	2,406.55	2,504.21	2,402.55	13.39	13.78	-95.30	-555.14	210.69	124.01	96.92	27.09	4.578	
2,600.00	2,500.69	2,603.96	2,495.81	14.06	14.49	-94.49	-588.40	222.78	130.75	102.29	28.46	4.594	
2,700.00	2,594.83	2,703.72	2,589.08	14.73	15.19	-93.76	-621.65	234.87	137.52	107.69	29.83	4.610	
2,800.00	2,688.96	2,803.47	2,682.35	15.41	15.90	-93.10	-654.91	246.97	144.31	113.11	31.20	4.625	
2,900.00	2,783.10	2,903.23	2,775.62	16.09	16.61	-92.49	-688.17	259.06	151.12	118.54	32.57	4.639	
3,000.00	2,877.24	3,002.99	2,868.89	16.76	17.31	-91.94	-721.43	271.15	157.94	124.00	33.94	4.653	
3,100.00	2,971.38	3,102.74	2,962.16	17.44	18.02	-91.44	-754.68	283.24	164.77	129.46	35.31	4.666	
3,200.00	3,065.52	3,202.50	3,055.42	18.12	18.73	-90.97	-787.94	295.33	171.62	134.94	36.68	4.679	
3,300.00	3,159.65	3,302.25	3,148.69	18.80	19.44	-90.54	-821.20	307.42	178.48	140.43	38.05	4.691	
3,400.00	3,253.79	3,402.01	3,241.96	19.47	20.14	-90.15	-854.46	319.52	185.34	145.93	39.41	4.703	
3,500.00	3,347.93	3,501.77	3,335.23	20.15	20.85	-89.78	-887.71	331.61	192.22	151.44	40.78	4.714	
3,600.00	3,442.07	3,601.52	3,428.50	20.83	21.56	-89.43	-920.97	343.70	199.10	156.95	42.15	4.724	
3,700.00	3,536.20	3,701.28	3,521.77	21.51	22.27	-89.11	-954.23	355.79	205.99	162.48	43.51	4.734	
3,800.00	3,630.34	3,801.03	3,615.04	22.19	22.98	-88.81	-987.49	367.88	212.88	168.01	44.88	4.744	
3,900.00	3,724.48	3,900.79	3,708.30	22.87	23.69	-88.53	-1,020.74	379.97	219.78	173.54	46.24	4.753	
4,000.00	3,818.62	4,000.55	3,801.57	23.55	24.40	-88.27	-1,054.00	392.06	226.69	179.08	47.61	4.762	
4,100.00	3,912.76	4,100.30	3,894.84	24.23	25.11	-88.02	-1,087.26	404.16	233.60	184.62	48.97	4.770	
4,200.00	4,006.89	4,200.06	3,988.11	24.91	25.82	-87.79	-1,120.52	416.25	240.51	190.17	50.34	4.778	
4,300.00	4,101.03	4,300.19	4,081.38	25.59	26.54	-87.57	-1,153.77	428.34	247.43	195.72	51.70	4.785	
4,400.00	4,195.17	4,400.43	4,174.65	26.27	27.25	-87.36	-1,187.03	440.43	254.35	201.28	53.07	4.792	
4,500.00	4,289.31	4,500.67	4,267.91	26.95	27.96	-87.16	-1,220.29	452.52	261.27	206.83	54.44	4.799	
4,600.00	4,383.44	4,600.92	4,361.18	27.63	28.68	-86.97	-1,253.55	464.61	268.20	212.39	55.81	4.806	
4,700.00	4,477.58	4,701.16	4,454.45	28.31	29.39	-86.79	-1,286.80	476.71	275.13	217.95	57.17	4.812	
4,800.00	4,571.72	4,801.41	4,547.72	28.99	30.11	-86.62	-1,320.06	488.80	282.06	223.52	58.54	4.818	
4,900.00	4,665.86	4,898.35	4,640.99	29.67	30.80	-86.46	-1,353.32	500.89	289.00	229.11	59.89	4.826	

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - LONE TREE 4-65 15-16 4AH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	4,760.00	4,998.11	4,734.26	30.35	31.51	-86.31	-1,386.58	512.98	295.93	234.68	61.25	4.832		
5,100.00	4,854.13	5,102.14	4,827.53	31.03	32.25	-86.16	-1,419.84	525.07	302.87	240.23	62.64	4.835		
5,200.00	4,948.27	5,202.38	4,920.79	31.71	32.97	-86.02	-1,453.09	537.16	309.81	245.80	64.01	4.840		
5,300.00	5,042.41	5,302.62	5,014.06	32.39	33.68	-85.89	-1,486.35	549.25	316.75	251.38	65.38	4.845		
5,400.00	5,136.55	5,402.87	5,107.33	33.07	34.40	-85.76	-1,519.61	561.35	323.70	256.96	66.74	4.850		
5,500.00	5,230.69	5,503.11	5,200.60	33.75	35.11	-85.64	-1,552.87	573.44	330.64	262.53	68.11	4.855		
5,600.00	5,324.82	5,603.36	5,293.87	34.43	35.83	-85.52	-1,586.12	585.53	337.59	268.11	69.47	4.859		
5,700.00	5,418.96	5,703.60	5,387.14	35.12	36.54	-85.41	-1,619.38	597.62	344.54	273.70	70.84	4.864		
5,800.00	5,513.10	5,796.16	5,480.40	35.80	37.20	-85.30	-1,652.64	609.71	351.49	279.33	72.15	4.871		
5,900.00	5,607.24	5,904.09	5,573.67	36.48	37.97	-85.19	-1,685.90	621.80	358.44	284.86	73.57	4.872		
6,000.00	5,701.37	6,004.33	5,666.94	37.16	38.69	-85.09	-1,719.15	633.90	365.39	290.45	74.94	4.876		
6,100.00	5,795.51	6,104.58	5,760.21	37.84	39.40	-85.00	-1,752.41	645.99	372.34	296.04	76.30	4.880		
6,200.00	5,889.65	6,204.82	5,853.48	38.52	40.12	-84.90	-1,785.67	658.08	379.30	301.63	77.67	4.883		
6,300.00	5,983.79	6,305.06	5,946.75	39.20	40.83	-84.81	-1,818.93	670.17	386.25	307.21	79.04	4.887		
6,400.00	6,077.93	6,405.31	6,040.01	39.88	41.55	-84.73	-1,852.18	682.26	393.21	312.80	80.40	4.890		
6,500.00	6,172.06	6,505.55	6,133.28	40.56	42.26	-84.64	-1,885.44	694.35	400.16	318.39	81.77	4.894		
6,600.00	6,266.20	6,605.80	6,226.55	41.25	42.98	-84.56	-1,918.70	706.44	407.12	323.99	83.13	4.897		
6,700.00	6,360.34	6,693.96	6,319.82	41.93	43.61	-84.48	-1,951.96	718.54	414.08	329.66	84.42	4.905		
6,800.00	6,454.48	6,806.28	6,413.09	42.61	44.41	-84.41	-1,985.21	730.63	421.04	335.17	85.87	4.903		
6,900.00	6,548.61	6,906.53	6,506.36	43.29	45.13	-84.34	-2,018.47	742.72	428.00	340.77	87.23	4.906		
7,000.00	6,642.75	7,006.77	6,599.63	43.97	45.84	-84.27	-2,051.73	754.81	434.96	346.36	88.60	4.909		
7,100.00	6,736.89	7,092.98	6,692.89	44.65	46.46	-84.20	-2,084.99	766.90	441.92	352.05	89.86	4.918		
7,200.00	6,831.03	7,207.26	6,786.16	45.33	47.27	-84.13	-2,118.24	778.99	448.88	357.55	91.33	4.915		
7,300.00	6,925.17	7,307.50	6,879.43	46.02	47.99	-84.07	-2,151.50	791.09	455.84	363.15	92.69	4.918		
7,400.00	7,019.30	7,392.25	6,972.70	46.70	48.59	-84.00	-2,184.76	803.18	462.81	368.85	93.95	4.926		
7,500.00	7,113.44	7,507.99	7,065.97	47.38	49.42	-83.94	-2,218.02	815.27	469.77	374.34	95.43	4.923		
7,600.00	7,207.58	7,608.24	7,159.24	48.06	50.14	-83.88	-2,251.28	827.36	476.73	379.94	96.79	4.925		
7,700.00	7,301.72	7,691.52	7,252.50	48.74	50.73	-83.83	-2,284.53	839.45	483.70	385.66	98.04	4.934		
7,766.97	7,364.76	8,004.91	7,541.97	49.20	52.43	-83.99	-2,387.84	802.39	475.77	385.65	90.12	5.279		
7,800.00	7,395.79	8,151.31	7,661.26	49.43	52.81	-75.84	-2,430.47	729.81	456.96	379.28	77.68	5.883		
7,850.00	7,442.34	8,280.05	7,748.91	49.78	52.97	-66.11	-2,461.84	641.26	417.17	353.83	63.34	6.586		
7,900.00	7,488.07	8,342.79	7,784.31	50.13	53.00	-60.74	-2,474.53	591.09	371.17	315.47	55.69	6.665		
7,950.00	7,532.63	8,372.28	7,799.12	50.48	53.00	-62.95	-2,479.84	566.16	322.60	270.48	52.12	6.189		
8,000.00	7,575.69	8,383.91	7,804.63	50.84	53.00	-87.44	-2,481.81	556.10	273.02	222.18	50.84	5.370		
8,050.00	7,616.91	8,385.12	7,805.19	51.18	53.00	-145.54	-2,482.02	555.05	223.18	172.22	50.95	4.380		
8,100.00	7,655.99	8,379.79	7,802.70	51.53	53.00	-167.04	-2,481.12	559.68	173.53	121.51	52.02	3.336		
8,150.00	7,692.62	8,370.11	7,798.08	51.87	53.00	-168.63	-2,479.46	568.01	124.45	70.50	53.95	2.307		
8,200.00	7,726.53	8,357.41	7,791.81	52.21	53.00	-160.65	-2,477.22	578.82	76.48	19.23	57.25	1.336 Level 3		
8,250.00	7,757.46	8,342.54	7,784.18	52.54	53.00	-137.80	-2,474.48	591.30	32.04	-34.00	66.04	0.485 Level 1		
8,277.45	7,773.09	8,333.65	7,779.48	52.72	53.00	-114.23	-2,472.79	598.65	18.66	-52.69	71.35	0.262 Level 1, CC, ES, SF		
8,300.00	7,785.17	8,326.03	7,775.37	52.87	52.99	-91.65	-2,471.32	604.89	28.22	-30.07	58.29	0.484 Level 1		
8,350.00	7,809.46	8,308.29	7,765.48	53.19	52.99	-56.70	-2,467.78	619.19	69.91	12.60	57.31	1.220 Level 2		
8,400.00	7,830.13	8,289.58	7,754.61	53.51	52.98	-41.59	-2,463.88	633.91	113.99	53.88	60.11	1.896		
8,450.00	7,847.03	8,270.10	7,742.82	53.82	52.96	-34.29	-2,459.66	648.83	157.40	94.58	62.82	2.506		
8,500.00	7,860.04	8,250.00	7,730.16	54.14	52.95	-30.18	-2,455.13	663.77	199.68	134.24	65.44	3.052		
8,550.00	7,869.04	8,229.41	7,716.69	54.44	52.92	-27.63	-2,450.30	678.57	240.63	172.64	67.99	3.539		
8,600.00	7,873.98	8,208.39	7,702.43	54.75	52.90	-25.99	-2,445.20	693.14	280.11	209.63	70.48	3.974		
8,635.17	7,875.00	8,193.40	7,691.95	54.96	52.88	-25.19	-2,441.45	703.19	306.97	234.76	72.20	4.251		
8,700.00	7,875.00	8,167.09	7,672.99	55.36	52.83	-24.74	-2,434.67	720.11	356.71	281.59	75.12	4.748		
8,800.00	7,875.00	8,131.74	7,646.38	56.06	52.77	-24.22	-2,425.15	741.35	436.83	357.98	78.85	5.540		
8,900.00	7,875.00	8,100.00	7,621.49	56.85	52.70	-23.82	-2,416.25	758.91	520.24	438.63	81.61	6.375		
9,000.00	7,875.00	8,075.95	7,602.04	57.73	52.64	-23.56	-2,409.30	771.22	606.24	522.04	84.19	7.201		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - LONE TREE 4-65 15-16 4AH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,100.00	7,875.00	8,050.00	7,580.52	58.72	52.57	-23.30	-2,401.61	783.52	694.32	608.51	85.81	8.091		
9,200.00	7,875.00	8,034.48	7,567.41	59.81	52.52	-23.16	-2,396.93	790.38	784.01	696.31	87.71	8.939		
9,300.00	7,875.00	8,017.61	7,552.97	61.00	52.47	-23.02	-2,391.76	797.40	875.08	786.06	89.02	9.831		
9,400.00	7,875.00	8,000.00	7,537.69	62.30	52.41	-22.89	-2,386.31	804.25	967.27	877.31	89.96	10.752		
9,500.00	7,875.00	8,000.00	7,537.69	63.70	52.41	-22.89	-2,386.31	804.25	1,060.50	968.95	91.55	11.584		
9,600.00	7,875.00	7,977.82	7,518.18	65.19	52.33	-22.73	-2,379.34	812.15	1,154.23	1,062.40	91.83	12.570		
9,700.00	7,875.00	7,967.29	7,508.82	66.78	52.29	-22.65	-2,375.99	815.63	1,248.75	1,156.25	92.51	13.499		
9,800.00	7,875.00	7,950.00	7,493.32	68.45	52.22	-22.54	-2,370.46	820.93	1,343.91	1,251.11	92.80	14.482		
9,900.00	7,875.00	7,950.00	7,493.32	70.20	52.22	-22.54	-2,370.46	820.93	1,439.39	1,345.76	93.63	15.372		
10,000.00	7,875.00	7,950.00	7,493.32	72.02	52.22	-22.54	-2,370.46	820.93	1,535.45	1,441.12	94.33	16.277		
10,100.00	7,875.00	7,950.00	7,493.32	73.91	52.22	-22.54	-2,370.46	820.93	1,631.98	1,537.05	94.93	17.191		
10,200.00	7,875.00	7,927.74	7,473.15	75.86	52.12	-22.41	-2,363.26	827.02	1,728.34	1,633.53	94.81	18.230		
10,300.00	7,875.00	7,921.73	7,467.68	77.87	52.10	-22.37	-2,361.30	828.53	1,825.25	1,730.13	95.12	19.188		
10,400.00	7,875.00	7,900.00	7,447.74	79.93	52.00	-22.25	-2,354.19	833.45	1,922.71	1,827.72	94.99	20.242		
10,500.00	7,875.00	7,900.00	7,447.74	82.03	52.00	-22.25	-2,354.19	833.45	2,019.93	1,924.54	95.39	21.175		
10,600.00	7,875.00	7,900.00	7,447.74	84.18	52.00	-22.25	-2,354.19	833.45	2,117.41	2,021.65	95.75	22.114		
10,700.00	7,875.00	7,900.00	7,447.74	86.36	52.00	-22.25	-2,354.19	833.45	2,215.11	2,119.04	96.07	23.057		
10,800.00	7,875.00	7,900.00	7,447.74	88.58	52.00	-22.25	-2,354.19	833.45	2,313.01	2,216.65	96.36	24.004		
10,900.00	7,875.00	7,900.00	7,447.74	90.83	52.00	-22.25	-2,354.19	833.45	2,411.08	2,314.46	96.62	24.954		
11,000.00	7,875.00	7,900.00	7,447.74	93.11	52.00	-22.25	-2,354.19	833.45	2,509.30	2,412.44	96.86	25.907		
11,100.00	7,875.00	7,900.00	7,447.74	95.41	52.00	-22.25	-2,354.19	833.45	2,607.66	2,510.58	97.07	26.863		
11,200.00	7,875.00	7,900.00	7,447.74	97.74	52.00	-22.25	-2,354.19	833.45	2,706.14	2,608.86	97.27	27.820		
11,300.00	7,875.00	7,900.00	7,447.74	100.09	52.00	-22.25	-2,354.19	833.45	2,804.72	2,707.27	97.45	28.780		
11,400.00	7,875.00	7,877.97	7,427.37	102.46	51.89	-22.14	-2,346.91	837.61	2,902.90	2,805.68	97.22	29.860		
11,500.00	7,875.00	7,875.30	7,424.89	104.84	51.88	-22.13	-2,346.03	838.06	3,001.54	2,904.20	97.34	30.837		
11,600.00	7,875.00	7,872.78	7,422.55	107.25	51.86	-22.12	-2,345.19	838.47	3,100.26	3,002.81	97.45	31.814		
11,700.00	7,875.00	7,850.00	7,401.31	109.67	51.75	-22.01	-2,337.62	841.69	3,199.47	3,102.27	97.20	32.916		
11,800.00	7,875.00	7,850.00	7,401.31	112.10	51.75	-22.01	-2,337.62	841.69	3,298.22	3,200.88	97.35	33.880		
11,900.00	7,875.00	7,850.00	7,401.31	114.55	51.75	-22.01	-2,337.62	841.69	3,397.05	3,299.56	97.49	34.846		
12,000.00	7,875.00	7,850.00	7,401.31	117.01	51.75	-22.01	-2,337.62	841.69	3,495.95	3,398.33	97.62	35.812		
12,100.00	7,875.00	7,850.00	7,401.31	119.48	51.75	-22.01	-2,337.62	841.69	3,594.90	3,497.16	97.74	36.779		
12,200.00	7,875.00	7,850.00	7,401.31	121.96	51.75	-22.01	-2,337.62	841.69	3,693.92	3,596.05	97.86	37.747		
12,300.00	7,875.00	7,850.00	7,401.31	124.46	51.75	-22.01	-2,337.62	841.69	3,792.98	3,695.01	97.97	38.715		
12,400.00	7,875.00	7,850.00	7,401.31	126.96	51.75	-22.01	-2,337.62	841.69	3,892.09	3,794.01	98.08	39.683		
12,500.00	7,875.00	7,850.00	7,401.31	129.47	51.75	-22.01	-2,337.62	841.69	3,991.25	3,893.06	98.18	40.651		
12,600.00	7,875.00	7,850.00	7,401.31	131.99	51.75	-22.01	-2,337.62	841.69	4,090.44	3,992.16	98.28	41.619		
12,700.00	7,875.00	7,850.00	7,401.31	134.51	51.75	-22.01	-2,337.62	841.69	4,189.68	4,091.30	98.38	42.588		
12,800.00	7,875.00	7,850.00	7,401.31	137.04	51.75	-22.01	-2,337.62	841.69	4,288.95	4,190.48	98.47	43.556		
12,900.00	7,875.00	7,850.00	7,401.31	139.58	51.75	-22.01	-2,337.62	841.69	4,388.26	4,289.70	98.56	44.525		
13,000.00	7,875.00	7,850.00	7,401.31	142.13	51.75	-22.01	-2,337.62	841.69	4,487.59	4,388.95	98.64	45.493		
13,100.00	7,875.00	7,850.00	7,401.31	144.68	51.75	-22.01	-2,337.62	841.69	4,586.95	4,488.23	98.73	46.461		
13,200.00	7,875.00	7,850.00	7,401.31	147.24	51.75	-22.01	-2,337.62	841.69	4,686.34	4,587.54	98.81	47.429		
13,300.00	7,875.00	7,850.00	7,401.31	149.80	51.75	-22.01	-2,337.62	841.69	4,785.76	4,686.87	98.89	48.396		
13,400.00	7,875.00	7,850.00	7,401.31	152.37	51.75	-22.01	-2,337.62	841.69	4,885.20	4,786.24	98.96	49.363		
13,500.00	7,875.00	7,850.00	7,401.31	154.94	51.75	-22.01	-2,337.62	841.69	4,984.66	4,885.62	99.04	50.330		
13,600.00	7,875.00	7,850.00	7,401.31	157.52	51.75	-22.01	-2,337.62	841.69	5,084.15	4,985.03	99.11	51.296		
13,700.00	7,875.00	7,850.00	7,401.31	160.10	51.75	-22.01	-2,337.62	841.69	5,183.65	5,084.47	99.19	52.262		
13,800.00	7,875.00	7,850.00	7,401.31	162.68	51.75	-22.01	-2,337.62	841.69	5,283.17	5,183.92	99.26	53.228		
13,900.00	7,875.00	7,850.00	7,401.31	165.27	51.75	-22.01	-2,337.62	841.69	5,382.71	5,283.39	99.33	54.192		
14,000.00	7,875.00	7,850.00	7,401.31	167.86	51.75	-22.01	-2,337.62	841.69	5,482.27	5,382.88	99.39	55.156		
14,100.00	7,875.00	7,850.00	7,401.31	170.46	51.75	-22.01	-2,337.62	841.69	5,581.84	5,482.38	99.46	56.120		
14,200.00	7,875.00	7,850.00	7,401.31	173.06	51.75	-22.01	-2,337.62	841.69	5,681.43	5,581.90	99.53	57.083		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - LONE TREE 4-65 15-16 4AH - OWB - PROPOSAL 1												Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
14,300.00	7,875.00	7,850.00	7,401.31	175.66	51.75	-22.01	-2,337.62	841.69	5,781.03	5,681.44	99.60	58.045	
14,400.00	7,875.00	7,850.00	7,401.31	178.26	51.75	-22.01	-2,337.62	841.69	5,880.65	5,780.99	99.66	59.007	
14,500.00	7,875.00	7,850.00	7,401.31	180.87	51.75	-22.01	-2,337.62	841.69	5,980.28	5,880.55	99.73	59.967	
14,600.00	7,875.00	7,850.00	7,401.31	183.48	51.75	-22.01	-2,337.62	841.69	6,079.92	5,980.13	99.79	60.927	
14,700.00	7,875.00	7,850.00	7,401.31	186.09	51.75	-22.01	-2,337.62	841.69	6,179.57	6,079.71	99.85	61.887	
14,800.00	7,875.00	7,850.00	7,401.31	188.71	51.75	-22.01	-2,337.62	841.69	6,279.23	6,179.31	99.92	62.845	
14,900.00	7,875.00	7,850.00	7,401.31	191.33	51.75	-22.01	-2,337.62	841.69	6,378.90	6,278.93	99.98	63.803	
15,000.00	7,875.00	7,850.00	7,401.31	193.95	51.75	-22.01	-2,337.62	841.69	6,478.59	6,378.55	100.04	64.759	
15,100.00	7,875.00	7,850.00	7,401.31	196.57	51.75	-22.01	-2,337.62	841.69	6,578.28	6,478.18	100.10	65.715	
15,200.00	7,875.00	7,850.00	7,401.31	199.19	51.75	-22.01	-2,337.62	841.69	6,677.98	6,577.82	100.16	66.670	
15,300.00	7,875.00	7,827.33	7,380.07	201.82	51.62	-21.91	-2,330.04	844.01	6,777.21	6,677.27	99.94	67.811	
15,400.00	7,875.00	7,826.72	7,379.51	204.45	51.61	-21.91	-2,329.83	844.06	6,876.90	6,776.91	100.00	68.771	
15,500.00	7,875.00	7,826.13	7,378.95	207.08	51.61	-21.91	-2,329.64	844.11	6,976.60	6,876.55	100.05	69.730	
15,600.00	7,875.00	7,825.56	7,378.41	209.71	51.61	-21.91	-2,329.44	844.15	7,076.31	6,976.21	100.11	70.687	
15,700.00	7,875.00	7,825.00	7,377.89	212.34	51.60	-21.91	-2,329.26	844.20	7,176.03	7,075.87	100.16	71.644	
15,800.00	7,875.00	7,824.46	7,377.38	214.98	51.60	-21.90	-2,329.07	844.24	7,275.76	7,175.54	100.22	72.600	
15,900.00	7,875.00	7,823.92	7,376.88	217.61	51.60	-21.90	-2,328.90	844.28	7,375.49	7,275.21	100.27	73.555	
16,000.00	7,875.00	7,823.41	7,376.39	220.25	51.60	-21.90	-2,328.72	844.32	7,475.23	7,374.90	100.33	74.508	
16,100.00	7,875.00	7,822.90	7,375.92	222.89	51.59	-21.90	-2,328.55	844.36	7,574.97	7,474.59	100.38	75.461	
16,200.00	7,875.00	7,800.00	7,354.38	225.53	51.46	-21.81	-2,320.87	845.62	7,675.19	7,575.02	100.17	76.622	
16,300.00	7,875.00	7,800.00	7,354.38	228.17	51.46	-21.81	-2,320.87	845.62	7,774.93	7,674.70	100.23	77.570	
16,400.00	7,875.00	7,800.00	7,354.38	230.81	51.46	-21.81	-2,320.87	845.62	7,874.67	7,774.38	100.29	78.516	
16,500.00	7,875.00	7,800.00	7,354.38	233.46	51.46	-21.81	-2,320.87	845.62	7,974.42	7,874.06	100.36	79.461	
16,600.00	7,875.00	7,800.00	7,354.38	236.10	51.46	-21.81	-2,320.87	845.62	8,074.17	7,973.76	100.42	80.405	
16,700.00	7,875.00	7,800.00	7,354.38	238.75	51.46	-21.81	-2,320.87	845.62	8,173.94	8,073.46	100.48	81.348	
16,800.00	7,875.00	7,800.00	7,354.38	241.40	51.46	-21.81	-2,320.87	845.62	8,273.70	8,173.16	100.54	82.289	
16,900.00	7,875.00	7,800.00	7,354.38	244.05	51.46	-21.81	-2,320.87	845.62	8,373.48	8,272.87	100.61	83.230	
17,000.00	7,875.00	7,800.00	7,354.38	246.70	51.46	-21.81	-2,320.87	845.62	8,473.25	8,372.59	100.67	84.169	
17,100.00	7,875.00	7,800.00	7,354.38	249.35	51.46	-21.81	-2,320.87	845.62	8,573.04	8,472.31	100.73	85.107	
17,200.00	7,875.00	7,800.00	7,354.38	252.00	51.46	-21.81	-2,320.87	845.62	8,672.83	8,572.03	100.79	86.044	
17,300.00	7,875.00	7,800.00	7,354.38	254.65	51.46	-21.81	-2,320.87	845.62	8,772.62	8,671.76	100.86	86.980	
17,400.00	7,875.00	7,800.00	7,354.38	257.31	51.46	-21.81	-2,320.87	845.62	8,872.42	8,771.50	100.92	87.914	
17,500.00	7,875.00	7,800.00	7,354.38	259.96	51.46	-21.81	-2,320.87	845.62	8,972.22	8,871.24	100.98	88.848	
17,600.00	7,875.00	7,800.00	7,354.38	262.62	51.46	-21.81	-2,320.87	845.62	9,072.03	8,970.98	101.05	89.780	
17,700.00	7,875.00	7,800.00	7,354.38	265.27	51.46	-21.81	-2,320.87	845.62	9,171.84	9,070.73	101.11	90.710	
17,800.00	7,875.00	7,800.00	7,354.38	267.93	51.46	-21.81	-2,320.87	845.62	9,271.65	9,170.48	101.18	91.640	
17,900.00	7,875.00	7,800.00	7,354.38	270.59	51.46	-21.81	-2,320.87	845.62	9,371.47	9,270.23	101.24	92.568	
18,000.00	7,875.00	7,800.00	7,354.38	273.24	51.46	-21.81	-2,320.87	845.62	9,471.29	9,369.99	101.30	93.495	
18,100.00	7,875.00	7,800.00	7,354.38	275.90	51.46	-21.81	-2,320.87	845.62	9,571.12	9,469.75	101.37	94.420	
18,200.00	7,875.00	7,800.00	7,354.38	278.56	51.46	-21.81	-2,320.87	845.62	9,670.95	9,569.52	101.43	95.344	
18,300.00	7,875.00	7,800.00	7,354.38	281.22	51.46	-21.81	-2,320.87	845.62	9,770.78	9,669.29	101.50	96.267	
18,400.00	7,875.00	7,800.00	7,354.38	283.89	51.46	-21.81	-2,320.87	845.62	9,870.62	9,769.06	101.56	97.188	
18,500.00	7,875.00	7,800.00	7,354.38	286.55	51.46	-21.81	-2,320.87	845.62	9,970.46	9,868.83	101.63	98.108	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - LONE TREE 4-65 15-16 4BH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	-180.00	-25.13	0.00	25.13					
100.00	100.00	100.00	100.00	0.13	0.13	-180.00	-25.13	0.00	25.13	24.86	0.27	93.471		
200.00	200.00	200.00	200.00	0.49	0.49	-180.00	-25.13	0.00	25.13	24.14	0.99	25.492		
250.00	250.00	250.00	250.00	0.67	0.67	-180.00	-25.13	0.00	25.13	23.79	1.34	18.694		
300.00	300.00	299.58	299.58	0.84	0.84	8.68	-25.54	0.12	25.11	23.43	1.69	14.899		
400.00	399.93	398.75	398.68	1.18	1.18	7.65	-28.83	1.10	24.99	22.63	2.36	10.587		
500.00	499.68	497.91	497.60	1.54	1.53	5.55	-35.40	3.06	24.76	21.70	3.05	8.109		
600.00	599.13	597.07	596.22	1.91	1.90	2.34	-45.25	6.00	24.48	20.72	3.75	6.520		
700.00	698.15	696.21	694.41	2.31	2.30	-2.03	-58.36	9.91	24.23	19.77	4.46	5.432		
797.51	794.18	792.88	789.64	2.73	2.71	-7.41	-74.28	14.66	24.12	18.96	5.16	4.677 CC		
800.00	796.63	795.35	792.06	2.74	2.72	-7.56	-74.72	14.79	24.12	18.95	5.17	4.661		
900.00	894.44	894.48	889.05	3.20	3.18	-14.18	-94.31	20.63	24.29	18.38	5.91	4.110		
1,000.00	991.46	993.59	985.27	3.70	3.67	-21.63	-117.09	27.43	24.89	18.20	6.70	3.717 ES		
1,100.00	1,087.58	1,092.68	1,080.58	4.24	4.20	-29.55	-143.04	35.17	26.06	18.49	7.57	3.441		
1,200.00	1,182.68	1,191.76	1,174.89	4.82	4.78	-37.46	-172.14	43.85	27.91	19.32	8.59	3.248		
1,235.78	1,216.44	1,227.21	1,208.37	5.04	5.00	-40.20	-183.30	47.18	28.75	19.75	9.00	3.196		
1,300.00	1,276.90	1,290.81	1,268.06	5.44	5.40	-44.02	-204.33	53.45	31.01	21.28	9.74	3.185 SF		
1,400.00	1,371.03	1,389.71	1,359.88	6.08	6.07	-46.05	-239.53	63.95	36.93	26.10	10.83	3.409		
1,500.00	1,465.17	1,488.43	1,450.24	6.73	6.78	-44.78	-277.63	75.31	45.52	33.69	11.82	3.849		
1,600.00	1,559.31	1,587.97	1,540.87	7.38	7.53	-43.17	-317.07	87.08	55.06	42.23	12.83	4.291		
1,700.00	1,653.45	1,687.50	1,631.49	8.04	8.29	-42.04	-356.51	98.84	64.64	50.78	13.85	4.666		
1,800.00	1,747.59	1,787.03	1,722.12	8.70	9.05	-41.20	-395.94	110.60	74.23	59.34	14.89	4.987		
1,900.00	1,841.72	1,886.57	1,812.75	9.36	9.82	-40.55	-435.38	122.37	83.84	67.91	15.93	5.264		
2,000.00	1,935.86	1,986.10	1,903.38	10.03	10.60	-40.04	-474.82	134.13	93.45	76.48	16.98	5.505		
2,100.00	2,030.00	2,085.63	1,994.00	10.70	11.38	-39.62	-514.25	145.89	103.07	85.04	18.03	5.717		
2,200.00	2,124.14	2,185.17	2,084.63	11.37	12.16	-39.28	-553.69	157.66	112.70	93.61	19.09	5.904		
2,300.00	2,218.27	2,284.70	2,175.26	12.04	12.95	-38.98	-593.13	169.42	122.32	102.18	20.15	6.071		
2,400.00	2,312.41	2,384.24	2,268.88	12.71	13.73	-38.73	-632.57	181.18	131.96	110.74	21.21	6.221		
2,500.00	2,406.55	2,483.77	2,356.51	13.39	14.52	-38.52	-672.00	192.95	141.59	119.31	22.28	6.355		
2,600.00	2,500.69	2,583.30	2,447.14	14.06	15.31	-38.33	-711.44	204.71	151.22	127.88	23.35	6.477		
2,700.00	2,594.83	2,682.84	2,537.77	14.73	16.10	-38.17	-750.88	216.47	160.86	136.44	24.42	6.588		
2,800.00	2,688.96	2,782.37	2,628.39	15.41	16.89	-38.02	-790.32	228.24	170.50	145.01	25.49	6.689		
2,900.00	2,783.10	2,881.90	2,719.02	16.09	17.69	-37.89	-829.75	240.00	180.14	153.57	26.56	6.782		
3,000.00	2,877.24	2,981.44	2,809.65	16.76	18.48	-37.77	-869.19	251.76	189.77	162.14	27.64	6.867		
3,100.00	2,971.38	3,080.97	2,900.27	17.44	19.28	-37.66	-908.63	263.52	199.41	170.70	28.71	6.945		
3,200.00	3,065.52	3,180.50	2,990.90	18.12	20.07	-37.57	-948.06	275.29	209.05	179.27	29.79	7.018		
3,300.00	3,159.65	3,280.04	3,081.53	18.80	20.87	-37.48	-987.50	287.05	218.70	187.83	30.87	7.085		
3,400.00	3,253.79	3,379.57	3,172.16	19.47	21.66	-37.40	-1,026.94	298.81	228.34	196.39	31.94	7.148		
3,500.00	3,347.93	3,479.11	3,262.78	20.15	22.46	-37.32	-1,066.38	310.58	237.98	204.96	33.02	7.207		
3,600.00	3,442.07	3,578.64	3,353.41	20.83	23.26	-37.26	-1,105.81	322.34	247.62	213.52	34.10	7.261		
3,700.00	3,536.20	3,678.17	3,444.04	21.51	24.05	-37.19	-1,145.25	334.10	257.26	222.08	35.18	7.312		
3,800.00	3,630.34	3,777.71	3,534.66	22.19	24.85	-37.13	-1,184.69	345.87	266.91	230.65	36.26	7.361		
3,900.00	3,724.48	3,877.24	3,625.29	22.87	25.65	-37.08	-1,224.13	357.63	276.55	239.21	37.34	7.406		
4,000.00	3,818.62	3,976.77	3,715.92	23.55	26.45	-37.03	-1,263.56	369.39	286.19	247.77	38.42	7.448		
4,100.00	3,912.76	4,076.31	3,806.55	24.23	27.24	-36.98	-1,303.00	381.16	295.84	256.33	39.50	7.489		
4,200.00	4,006.89	4,175.84	3,897.17	24.91	28.04	-36.94	-1,342.44	392.92	305.48	264.89	40.59	7.527		
4,300.00	4,101.03	4,275.37	3,987.80	25.59	28.84	-36.90	-1,381.87	404.68	315.13	273.46	41.67	7.563		
4,400.00	4,195.17	4,374.91	4,078.43	26.27	29.64	-36.86	-1,421.31	416.45	324.77	282.02	42.75	7.597		
4,500.00	4,289.31	4,474.44	4,169.05	26.95	30.44	-36.82	-1,460.75	428.21	334.41	290.58	43.83	7.629		
4,600.00	4,383.44	4,573.98	4,259.68	27.63	31.24	-36.78	-1,500.19	439.97	344.06	299.14	44.92	7.660		
4,700.00	4,477.58	4,673.51	4,350.31	28.31	32.04	-36.75	-1,539.62	451.73	353.70	307.70	46.00	7.689		
4,800.00	4,571.72	4,773.04	4,440.94	28.99	32.84	-36.72	-1,579.06	463.50	363.35	316.26	47.08	7.717		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - LONE TREE 4-65 15-16 4BH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,900.00	4,665.86	4,872.58	4,531.56	29.67	33.64	-36.69	-1,618.50	475.26	372.99	324.83	48.17	7.744		
5,000.00	4,760.00	4,972.11	4,622.19	30.35	34.44	-36.66	-1,657.94	487.02	382.64	333.39	49.25	7.769		
5,100.00	4,854.13	5,071.64	4,712.82	31.03	35.24	-36.63	-1,697.37	498.79	392.28	341.95	50.33	7.793		
5,200.00	4,948.27	5,171.18	4,803.44	31.71	36.04	-36.61	-1,736.81	510.55	401.93	350.51	51.42	7.817		
5,300.00	5,042.41	5,270.71	4,894.07	32.39	36.84	-36.59	-1,776.25	522.31	411.57	359.07	52.50	7.839		
5,400.00	5,136.55	5,370.24	4,984.70	33.07	37.64	-36.56	-1,815.68	534.08	421.22	367.63	53.59	7.860		
5,500.00	5,230.69	5,469.78	5,075.33	33.75	38.44	-36.54	-1,855.12	545.84	430.86	376.19	54.67	7.881		
5,600.00	5,324.82	5,569.31	5,165.95	34.43	39.24	-36.52	-1,894.56	557.60	440.51	384.75	55.76	7.900		
5,700.00	5,418.96	5,668.85	5,256.58	35.12	40.04	-36.50	-1,934.00	569.37	450.15	393.31	56.84	7.919		
5,800.00	5,513.10	5,768.38	5,347.21	35.80	40.84	-36.48	-1,973.43	581.13	459.80	401.87	57.93	7.938		
5,900.00	5,607.24	5,867.91	5,437.83	36.48	41.64	-36.46	-2,012.87	592.89	469.44	410.43	59.01	7.955		
6,000.00	5,701.37	5,967.45	5,528.46	37.16	42.44	-36.44	-2,052.31	604.66	479.09	418.99	60.10	7.972		
6,100.00	5,795.51	6,066.98	5,619.09	37.84	43.24	-36.43	-2,091.75	616.42	488.74	427.55	61.18	7.988		
6,200.00	5,889.65	6,166.51	5,709.72	38.52	44.04	-36.41	-2,131.18	628.18	498.38	436.11	62.27	8.004		
6,300.00	5,983.79	6,266.05	5,800.34	39.20	44.84	-36.39	-2,170.62	639.94	508.03	444.67	63.35	8.019		
6,400.00	6,077.93	6,365.58	5,890.97	39.88	45.64	-36.38	-2,210.06	651.71	517.67	453.23	64.44	8.034		
6,500.00	6,172.06	6,465.11	5,981.60	40.56	46.44	-36.36	-2,249.49	663.47	527.32	461.79	65.52	8.048		
6,600.00	6,266.20	6,564.65	6,072.22	41.25	47.24	-36.35	-2,288.93	675.23	536.96	470.35	66.61	8.061		
6,700.00	6,360.34	6,664.18	6,162.85	41.93	48.04	-36.33	-2,328.37	687.00	546.61	478.91	67.70	8.074		
6,800.00	6,454.48	6,763.72	6,253.48	42.61	48.85	-36.32	-2,367.81	698.76	556.25	487.47	68.78	8.087		
6,900.00	6,548.61	6,863.25	6,344.11	43.29	49.65	-36.31	-2,407.24	710.52	565.90	496.03	69.87	8.100		
7,000.00	6,642.75	6,962.78	6,434.73	43.97	50.45	-36.30	-2,446.68	722.29	575.55	504.59	70.95	8.112		
7,100.00	6,736.89	7,062.32	6,525.36	44.65	51.25	-36.28	-2,486.12	734.05	585.19	513.15	72.04	8.123		
7,200.00	6,831.03	7,161.85	6,615.99	45.33	52.05	-36.27	-2,525.55	745.81	594.84	521.71	73.13	8.134		
7,300.00	6,925.17	7,261.38	6,706.61	46.02	52.85	-36.26	-2,564.99	757.58	604.48	530.27	74.21	8.145		
7,400.00	7,019.30	7,360.92	6,797.24	46.70	53.65	-36.25	-2,604.43	769.34	614.13	538.83	75.30	8.156		
7,500.00	7,113.44	7,460.45	6,887.87	47.38	54.45	-36.24	-2,643.87	781.10	623.78	547.39	76.38	8.166		
7,600.00	7,207.58	7,559.98	6,978.49	48.06	55.25	-36.23	-2,683.30	792.87	633.42	555.95	77.47	8.176		
7,700.00	7,301.72	7,659.52	7,069.12	48.74	56.06	-36.22	-2,722.74	804.63	643.07	564.51	78.56	8.186		
7,766.97	7,364.76	7,726.18	7,129.81	49.20	56.59	-36.21	-2,749.15	812.51	649.53	570.24	79.28	8.192		
7,800.00	7,395.79	7,759.10	7,159.79	49.43	56.86	-27.53	-2,762.20	816.40	652.04	572.44	79.60	8.192		
7,850.00	7,442.34	7,808.94	7,205.17	49.78	57.26	-15.63	-2,781.94	822.29	653.29	573.39	79.90	8.176		
7,900.00	7,488.07	7,858.44	7,250.24	50.13	57.66	-5.56	-2,801.56	828.14	651.49	571.50	79.99	8.145		
7,950.00	7,532.63	7,907.23	7,294.67	50.48	58.05	2.90	-2,820.89	833.90	646.77	566.92	79.85	8.100		
8,000.00	7,575.69	7,954.94	7,338.11	50.84	58.43	10.16	-2,839.79	839.54	639.28	559.80	79.48	8.043		
8,050.00	7,616.91	8,045.80	7,421.10	51.18	59.14	18.43	-2,875.91	846.75	628.62	549.52	79.09	7.948		
8,100.00	7,655.99	8,100.00	7,505.95	51.53	59.53	28.26	-2,912.86	839.52	610.88	533.69	77.19	7.914		
8,150.00	7,692.62	8,238.77	7,594.91	51.87	60.32	40.71	-2,951.61	815.93	589.37	515.13	74.24	7.939		
8,200.00	7,726.53	8,284.11	7,633.66	52.21	60.53	49.55	-2,968.50	799.58	567.24	495.10	72.14	7.863		
8,250.00	7,757.46	8,309.99	7,655.21	52.54	60.63	56.21	-2,977.89	788.76	546.61	475.75	70.85	7.715		
8,300.00	7,785.17	8,323.08	7,665.93	52.87	60.68	60.90	-2,982.57	782.89	528.79	458.44	70.35	7.517		
8,350.00	7,809.46	8,327.53	7,669.55	53.19	60.70	63.94	-2,984.14	780.83	514.65	444.06	70.59	7.291		
8,400.00	7,830.13	8,325.94	7,668.26	53.51	60.69	65.60	-2,983.58	781.57	504.76	433.18	71.58	7.052		
8,450.00	7,847.03	8,320.02	7,663.44	53.82	60.67	66.10	-2,981.48	784.29	499.42	426.12	73.30	6.813		
8,483.20	7,856.11	8,314.26	7,658.72	54.03	60.65	65.88	-2,979.42	786.88	498.41	423.59	74.82	6.661		
8,500.00	7,860.04	8,310.88	7,655.94	54.14	60.64	65.61	-2,978.21	788.37	498.66	422.98	75.68	6.589		
8,550.00	7,869.04	8,299.31	7,646.37	54.44	60.59	64.26	-2,974.04	793.35	502.35	423.74	78.61	6.391		
8,600.00	7,873.98	8,285.86	7,635.13	54.75	60.53	62.18	-2,969.14	798.88	510.12	428.22	81.90	6.229		
8,635.17	7,875.00	8,275.49	7,626.38	54.96	60.49	60.34	-2,965.33	802.95	517.79	433.45	84.33	6.140		
8,700.00	7,875.00	8,257.30	7,610.89	55.36	60.41	58.43	-2,958.57	809.65	536.74	447.81	88.92	6.036		
8,800.00	7,875.00	8,234.24	7,590.97	56.06	60.30	56.00	-2,949.89	817.38	577.88	482.27	95.62	6.044		
8,900.00	7,875.00	8,215.72	7,574.78	56.85	60.21	54.04	-2,942.84	822.95	631.28	530.08	101.21	6.238		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - LONE TREE 4-65 15-16 4BH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,000.00	7,875.00	8,200.00	7,560.91	57.73	60.13	52.40	-2,936.80	827.23	694.36	588.86	105.50	6.581		
9,100.00	7,875.00	8,187.91	7,550.18	58.72	60.06	51.14	-2,932.12	830.24	764.88	656.13	108.75	7.033		
9,200.00	7,875.00	8,177.23	7,540.65	59.81	60.00	50.03	-2,927.97	832.69	841.08	729.97	111.10	7.570		
9,300.00	7,875.00	8,168.09	7,532.46	61.00	59.95	49.09	-2,924.40	834.63	921.60	808.78	112.82	8.169		
9,400.00	7,875.00	8,150.00	7,516.17	62.30	59.84	47.25	-2,917.31	838.05	1,005.59	891.93	113.65	8.848		
9,500.00	7,875.00	8,150.00	7,516.17	63.70	59.84	47.25	-2,917.31	838.05	1,091.92	977.05	114.88	9.505		
9,600.00	7,875.00	8,150.00	7,516.17	65.19	59.84	47.25	-2,917.31	838.05	1,180.41	1,064.63	115.78	10.195		
9,700.00	7,875.00	8,150.00	7,516.17	66.78	59.84	47.25	-2,917.31	838.05	1,270.62	1,154.15	116.47	10.910		
9,800.00	7,875.00	8,150.00	7,516.17	68.45	59.84	47.25	-2,917.31	838.05	1,362.19	1,245.21	116.98	11.645		
9,900.00	7,875.00	8,132.67	7,500.49	70.20	59.73	45.52	-2,910.48	840.80	1,454.52	1,337.67	116.85	12.448		
10,000.00	7,875.00	8,128.76	7,496.94	72.02	59.71	45.13	-2,908.93	841.35	1,547.94	1,430.87	117.06	13.223		
10,100.00	7,875.00	8,125.22	7,493.72	73.91	59.69	44.78	-2,907.53	841.83	1,642.11	1,524.88	117.22	14.008		
10,200.00	7,875.00	8,121.99	7,490.78	75.86	59.67	44.46	-2,906.25	842.24	1,736.90	1,619.55	117.35	14.802		
10,300.00	7,875.00	8,119.03	7,488.09	77.87	59.65	44.17	-2,905.08	842.61	1,832.23	1,714.79	117.44	15.602		
10,400.00	7,875.00	8,100.00	7,470.74	79.93	59.53	42.34	-2,897.52	844.58	1,928.31	1,811.22	117.09	16.469		
10,500.00	7,875.00	8,100.00	7,470.74	82.03	59.53	42.34	-2,897.52	844.58	2,024.40	1,907.19	117.21	17.271		
10,600.00	7,875.00	8,100.00	7,470.74	84.18	59.53	42.34	-2,897.52	844.58	2,120.85	2,003.54	117.31	18.079		
10,700.00	7,875.00	8,100.00	7,470.74	86.36	59.53	42.34	-2,897.52	844.58	2,217.62	2,100.23	117.39	18.890		
10,800.00	7,875.00	8,100.00	7,470.74	88.58	59.53	42.34	-2,897.52	844.58	2,314.66	2,197.20	117.46	19.706		
10,900.00	7,875.00	8,100.00	7,470.74	90.83	59.53	42.34	-2,897.52	844.58	2,411.95	2,294.43	117.52	20.524		
11,000.00	7,875.00	8,100.00	7,470.74	93.11	59.53	42.34	-2,897.52	844.58	2,509.44	2,391.88	117.56	21.346		
11,100.00	7,875.00	8,100.00	7,470.74	95.41	59.53	42.34	-2,897.52	844.58	2,607.13	2,489.53	117.60	22.169		
11,200.00	7,875.00	8,100.00	7,470.74	97.74	59.53	42.34	-2,897.52	844.58	2,704.99	2,587.36	117.63	22.995		
11,300.00	7,875.00	8,100.00	7,470.74	100.09	59.53	42.34	-2,897.52	844.58	2,803.00	2,685.34	117.66	23.823		
11,400.00	7,875.00	8,100.00	7,470.74	102.46	59.53	42.34	-2,897.52	844.58	2,901.14	2,783.46	117.68	24.652		
11,500.00	7,875.00	8,100.00	7,470.74	104.84	59.53	42.34	-2,897.52	844.58	2,999.41	2,881.70	117.70	25.483		
11,600.00	7,875.00	8,100.00	7,470.74	107.25	59.53	42.34	-2,897.52	844.58	3,097.78	2,980.06	117.72	26.315		
11,700.00	7,875.00	8,100.00	7,470.74	109.67	59.53	42.34	-2,897.52	844.58	3,196.26	3,078.53	117.74	27.148		
11,800.00	7,875.00	8,100.00	7,470.74	112.10	59.53	42.34	-2,897.52	844.58	3,294.83	3,177.08	117.75	27.982		
11,900.00	7,875.00	8,100.00	7,470.74	114.55	59.53	42.34	-2,897.52	844.58	3,393.48	3,275.72	117.76	28.817		
12,000.00	7,875.00	8,100.00	7,470.74	117.01	59.53	42.34	-2,897.52	844.58	3,492.21	3,374.44	117.77	29.652		
12,100.00	7,875.00	8,100.00	7,470.74	119.48	59.53	42.34	-2,897.52	844.58	3,591.02	3,473.23	117.78	30.488		
12,200.00	7,875.00	8,100.00	7,470.74	121.96	59.53	42.34	-2,897.52	844.58	3,689.88	3,572.09	117.79	31.325		
12,300.00	7,875.00	8,100.00	7,470.74	124.46	59.53	42.34	-2,897.52	844.58	3,788.80	3,671.00	117.80	32.162		
12,400.00	7,875.00	8,100.00	7,470.74	126.96	59.53	42.34	-2,897.52	844.58	3,887.78	3,769.97	117.81	33.000		
12,500.00	7,875.00	8,100.00	7,470.74	129.47	59.53	42.34	-2,897.52	844.58	3,986.81	3,868.99	117.82	33.837		
12,600.00	7,875.00	8,100.00	7,470.74	131.99	59.53	42.34	-2,897.52	844.58	4,085.89	3,968.06	117.83	34.675		
12,700.00	7,875.00	8,100.00	7,470.74	134.51	59.53	42.34	-2,897.52	844.58	4,185.01	4,067.17	117.84	35.513		
12,800.00	7,875.00	8,100.00	7,470.74	137.04	59.53	42.34	-2,897.52	844.58	4,284.18	4,166.32	117.85	36.352		
12,900.00	7,875.00	8,100.00	7,470.74	139.58	59.53	42.34	-2,897.52	844.58	4,383.38	4,265.51	117.86	37.190		
13,000.00	7,875.00	8,100.00	7,470.74	142.13	59.53	42.34	-2,897.52	844.58	4,482.61	4,364.74	117.88	38.028		
13,100.00	7,875.00	8,100.00	7,470.74	144.68	59.53	42.34	-2,897.52	844.58	4,581.88	4,463.99	117.89	38.867		
13,200.00	7,875.00	8,100.00	7,470.74	147.24	59.53	42.34	-2,897.52	844.58	4,681.18	4,563.28	117.90	39.705		
13,300.00	7,875.00	8,100.00	7,470.74	149.80	59.53	42.34	-2,897.52	844.58	4,780.51	4,662.60	117.91	40.543		
13,400.00	7,875.00	8,100.00	7,470.74	152.37	59.53	42.34	-2,897.52	844.58	4,879.87	4,761.94	117.93	41.381		
13,500.00	7,875.00	8,100.00	7,470.74	154.94	59.53	42.34	-2,897.52	844.58	4,979.25	4,861.31	117.94	42.219		
13,600.00	7,875.00	8,100.00	7,470.74	157.52	59.53	42.34	-2,897.52	844.58	5,078.66	4,960.70	117.95	43.056		
13,700.00	7,875.00	8,100.00	7,470.74	160.10	59.53	42.34	-2,897.52	844.58	5,178.09	5,060.12	117.97	43.894		
13,800.00	7,875.00	8,100.00	7,470.74	162.68	59.53	42.34	-2,897.52	844.58	5,277.54	5,159.56	117.98	44.731		
13,900.00	7,875.00	8,100.00	7,470.74	165.27	59.53	42.34	-2,897.52	844.58	5,377.01	5,259.01	118.00	45.568		
14,000.00	7,875.00	8,100.00	7,470.74	167.86	59.53	42.34	-2,897.52	844.58	5,476.50	5,358.48	118.02	46.404		
14,100.00	7,875.00	8,100.00	7,470.74	170.46	59.53	42.34	-2,897.52	844.58	5,576.01	5,457.98	118.03	47.241		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - LONE TREE 4-65 15-16 4BH - OWB - PROPOSAL 1												Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
14,200.00	7,875.00	8,077.49	7,450.15	173.06	59.37	40.23	-2,888.56	846.10	5,675.05	5,557.38	117.67	48.227	
14,300.00	7,875.00	8,077.10	7,449.79	175.66	59.37	40.19	-2,888.40	846.12	5,774.58	5,656.89	117.69	49.067	
14,400.00	7,875.00	8,076.72	7,449.44	178.26	59.36	40.15	-2,888.25	846.14	5,874.12	5,756.42	117.70	49.907	
14,500.00	7,875.00	8,076.35	7,449.10	180.87	59.36	40.12	-2,888.10	846.16	5,973.68	5,855.96	117.72	50.746	
14,600.00	7,875.00	8,075.99	7,448.77	183.48	59.36	40.09	-2,887.96	846.17	6,073.25	5,955.52	117.73	51.585	
14,700.00	7,875.00	8,075.64	7,448.45	186.09	59.36	40.06	-2,887.82	846.19	6,172.83	6,055.08	117.75	52.424	
14,800.00	7,875.00	8,075.30	7,448.14	188.71	59.35	40.02	-2,887.69	846.20	6,272.43	6,154.67	117.77	53.262	
14,900.00	7,875.00	8,074.98	7,447.84	191.33	59.35	39.99	-2,887.55	846.22	6,372.04	6,254.26	117.78	54.099	
15,000.00	7,875.00	8,074.66	7,447.55	193.95	59.35	39.96	-2,887.43	846.23	6,471.66	6,353.86	117.80	54.936	
15,100.00	7,875.00	8,074.35	7,447.27	196.57	59.35	39.94	-2,887.30	846.25	6,571.30	6,453.47	117.82	55.772	
15,200.00	7,875.00	8,074.05	7,446.99	199.19	59.34	39.91	-2,887.18	846.26	6,670.94	6,553.10	117.84	56.608	
15,300.00	7,875.00	8,073.75	7,446.72	201.82	59.34	39.88	-2,887.07	846.27	6,770.60	6,652.73	117.87	57.444	
15,400.00	7,875.00	8,073.47	7,446.46	204.45	59.34	39.86	-2,886.95	846.28	6,870.26	6,752.37	117.89	58.278	
15,500.00	7,875.00	8,073.19	7,446.21	207.08	59.34	39.83	-2,886.84	846.29	6,969.94	6,852.03	117.91	59.112	
15,600.00	7,875.00	8,072.92	7,445.96	209.71	59.34	39.81	-2,886.73	846.30	7,069.62	6,951.69	117.93	59.946	
15,700.00	7,875.00	8,050.00	7,424.95	212.34	59.18	37.74	-2,877.59	846.76	7,169.79	7,052.20	117.59	60.971	
15,800.00	7,875.00	8,050.00	7,424.95	214.98	59.18	37.74	-2,877.59	846.76	7,269.48	7,151.86	117.62	61.803	
15,900.00	7,875.00	8,050.00	7,424.95	217.61	59.18	37.74	-2,877.59	846.76	7,369.18	7,251.53	117.65	62.635	
16,000.00	7,875.00	8,050.00	7,424.95	220.25	59.18	37.74	-2,877.59	846.76	7,468.88	7,351.20	117.68	63.466	
16,100.00	7,875.00	8,050.00	7,424.95	222.89	59.18	37.74	-2,877.59	846.76	7,568.60	7,450.88	117.72	64.296	
16,200.00	7,875.00	8,050.00	7,424.95	225.53	59.18	37.74	-2,877.59	846.76	7,668.32	7,550.57	117.75	65.125	
16,300.00	7,875.00	8,050.00	7,424.95	228.17	59.18	37.74	-2,877.59	846.76	7,768.05	7,650.27	117.78	65.954	
16,400.00	7,875.00	8,050.00	7,424.95	230.81	59.18	37.74	-2,877.59	846.76	7,867.78	7,749.97	117.81	66.782	
16,500.00	7,875.00	8,050.00	7,424.95	233.46	59.18	37.74	-2,877.59	846.76	7,967.52	7,849.68	117.85	67.609	
16,600.00	7,875.00	8,050.00	7,424.95	236.10	59.18	37.74	-2,877.59	846.76	8,067.27	7,949.39	117.88	68.436	
16,700.00	7,875.00	8,050.00	7,424.95	238.75	59.18	37.74	-2,877.59	846.76	8,167.02	8,049.11	117.91	69.262	
16,800.00	7,875.00	8,050.00	7,424.95	241.40	59.18	37.74	-2,877.59	846.76	8,266.78	8,148.83	117.95	70.087	
16,900.00	7,875.00	8,050.00	7,424.95	244.05	59.18	37.74	-2,877.59	846.76	8,366.55	8,248.56	117.99	70.912	
17,000.00	7,875.00	8,050.00	7,424.95	246.70	59.18	37.74	-2,877.59	846.76	8,466.32	8,348.30	118.02	71.735	
17,100.00	7,875.00	8,050.00	7,424.95	249.35	59.18	37.74	-2,877.59	846.76	8,566.10	8,448.04	118.06	72.558	
17,200.00	7,875.00	8,050.00	7,424.95	252.00	59.18	37.74	-2,877.59	846.76	8,665.88	8,547.78	118.10	73.380	
17,300.00	7,875.00	8,050.00	7,424.95	254.65	59.18	37.74	-2,877.59	846.76	8,765.66	8,647.53	118.13	74.201	
17,400.00	7,875.00	8,050.00	7,424.95	257.31	59.18	37.74	-2,877.59	846.76	8,865.46	8,747.28	118.17	75.022	
17,500.00	7,875.00	8,050.00	7,424.95	259.96	59.18	37.74	-2,877.59	846.76	8,965.25	8,847.04	118.21	75.842	
17,600.00	7,875.00	8,050.00	7,424.95	262.62	59.18	37.74	-2,877.59	846.76	9,065.05	8,946.80	118.25	76.660	
17,700.00	7,875.00	8,050.00	7,424.95	265.27	59.18	37.74	-2,877.59	846.76	9,164.86	9,046.57	118.29	77.478	
17,800.00	7,875.00	8,050.00	7,424.95	267.93	59.18	37.74	-2,877.59	846.76	9,264.67	9,146.34	118.33	78.296	
17,900.00	7,875.00	8,050.00	7,424.95	270.59	59.18	37.74	-2,877.59	846.76	9,364.48	9,246.11	118.37	79.112	
18,000.00	7,875.00	8,050.00	7,424.95	273.24	59.18	37.74	-2,877.59	846.76	9,464.30	9,345.89	118.41	79.927	
18,100.00	7,875.00	8,050.00	7,424.95	275.90	59.18	37.74	-2,877.59	846.76	9,564.12	9,445.66	118.45	80.742	
18,200.00	7,875.00	8,050.00	7,424.95	278.56	59.18	37.74	-2,877.59	846.76	9,663.94	9,545.45	118.49	81.556	
18,300.00	7,875.00	8,050.00	7,424.95	281.22	59.18	37.74	-2,877.59	846.76	9,763.77	9,645.23	118.54	82.369	
18,400.00	7,875.00	8,050.00	7,424.95	283.89	59.18	37.74	-2,877.59	846.76	9,863.60	9,745.02	118.58	83.181	
18,500.00	7,875.00	8,050.00	7,424.95	286.55	59.18	37.74	-2,877.59	846.76	9,963.44	9,844.81	118.62	83.992	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - PROSPER FARMS 4-65 14-13 1AH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	5.30	5.30	0.00	0.01	-0.13	249.89	-0.56	249.89					
100.00	100.00	105.30	105.30	0.13	0.15	-0.13	249.89	-0.56	249.89	249.60	0.29	868.126		
200.00	200.00	205.30	205.30	0.49	0.51	-0.13	249.89	-0.56	249.89	248.89	1.00	248.700		
206.36	206.36	211.66	211.66	0.52	0.53	-0.13	249.89	-0.56	249.89	248.84	1.05	237.908 CC		
250.00	250.00	254.89	254.89	0.67	0.69	-0.13	249.90	-0.56	249.90	248.54	1.36	183.498 ES		
300.00	300.00	301.06	301.06	0.84	0.86	-171.30	250.32	-0.42	250.79	249.09	1.70	147.478		
400.00	399.93	393.09	393.03	1.18	1.19	-171.17	253.28	0.56	257.45	255.07	2.38	108.122		
500.00	499.68	484.24	483.98	1.54	1.52	-170.93	258.98	2.45	270.57	267.49	3.07	87.997		
600.00	599.13	573.96	573.27	1.91	1.85	-170.62	267.26	5.19	290.05	286.28	3.77	77.008		
700.00	698.15	661.75	660.33	2.31	2.19	-170.25	277.93	8.73	315.76	311.31	4.45	70.942		
800.00	796.63	750.58	748.07	2.74	2.55	-169.87	291.12	13.10	347.37	342.23	5.14	67.616		
900.00	894.44	844.09	840.34	3.20	2.94	-169.56	305.53	17.88	382.78	376.94	5.85	65.477		
1,000.00	991.46	936.33	931.36	3.70	3.33	-169.35	319.75	22.59	421.39	414.83	6.56	64.278		
1,100.00	1,087.58	1,027.20	1,021.01	4.24	3.72	-169.23	333.75	27.23	463.13	455.87	7.26	63.795		
1,200.00	1,182.68	1,116.57	1,109.20	4.82	4.11	-169.16	347.53	31.80	507.97	500.01	7.97	63.770		
1,235.78	1,216.44	1,148.17	1,140.38	5.04	4.24	-169.15	352.40	33.41	524.76	516.53	8.22	63.814		
1,300.00	1,276.90	1,204.69	1,196.15	5.44	4.49	-169.25	361.11	36.30	555.23	546.56	8.67	64.056		
1,400.00	1,371.03	1,292.70	1,283.00	6.08	4.87	-169.39	374.67	40.79	602.68	593.32	9.36	64.387		
1,500.00	1,465.17	1,380.72	1,369.84	6.73	5.26	-169.51	388.24	45.29	650.14	640.08	10.06	64.639		
1,600.00	1,559.31	1,468.73	1,456.69	7.38	5.64	-169.61	401.80	49.79	697.60	686.84	10.76	64.833		
1,700.00	1,653.45	1,556.75	1,543.54	8.04	6.03	-169.70	415.37	54.28	745.06	733.59	11.47	64.984		
1,800.00	1,747.59	1,644.76	1,630.38	8.70	6.41	-169.78	428.93	58.78	792.52	780.35	12.17	65.103		
1,900.00	1,841.72	1,732.78	1,717.23	9.36	6.80	-169.85	442.50	63.27	839.98	827.10	12.88	65.196		
2,000.00	1,935.86	1,820.79	1,804.08	10.03	7.19	-169.91	456.06	67.77	887.45	873.85	13.60	65.270		
2,100.00	2,030.00	1,908.80	1,890.92	10.70	7.57	-169.97	469.63	72.27	934.91	920.60	14.31	65.330		
2,200.00	2,124.14	1,996.82	1,977.77	11.37	7.96	-170.02	483.19	76.76	982.37	967.35	15.03	65.377		
2,300.00	2,218.27	2,084.83	2,064.62	12.04	8.35	-170.07	496.76	81.26	1,029.84	1,014.10	15.74	65.414		
2,400.00	2,312.41	2,172.85	2,151.46	12.71	8.74	-170.11	510.32	85.75	1,077.31	1,060.84	16.46	65.444		
2,500.00	2,406.55	2,260.86	2,238.31	13.39	9.13	-170.15	523.89	90.25	1,124.77	1,107.59	17.18	65.467		
2,600.00	2,500.69	2,348.88	2,325.16	14.06	9.52	-170.18	537.45	94.75	1,172.24	1,154.34	17.90	65.485		
2,700.00	2,594.83	2,436.89	2,412.00	14.73	9.90	-170.22	551.02	99.24	1,219.70	1,201.08	18.62	65.499		
2,800.00	2,688.96	2,524.91	2,498.85	15.41	10.29	-170.25	564.58	103.74	1,267.17	1,247.83	19.34	65.510		
2,900.00	2,783.10	2,612.92	2,585.70	16.09	10.68	-170.27	578.15	108.23	1,314.64	1,294.57	20.07	65.517		
3,000.00	2,877.24	2,700.93	2,672.54	16.76	11.07	-170.30	591.71	112.73	1,362.11	1,341.32	20.79	65.523		
3,100.00	2,971.38	2,788.95	2,759.39	17.44	11.46	-170.32	605.28	117.23	1,409.57	1,388.06	21.51	65.526		
3,200.00	3,065.52	2,876.96	2,846.24	18.12	11.85	-170.35	618.84	121.72	1,457.04	1,434.81	22.24	65.527		
3,300.00	3,159.65	2,964.98	2,933.08	18.80	12.24	-170.37	632.41	126.22	1,504.51	1,481.55	22.96	65.527		
3,400.00	3,253.79	3,052.99	3,019.93	19.47	12.63	-170.39	645.97	130.71	1,551.98	1,528.29	23.68	65.526		
3,500.00	3,347.93	3,141.01	3,106.78	20.15	13.02	-170.41	659.54	135.21	1,599.45	1,575.04	24.41	65.524		
3,600.00	3,442.07	3,229.02	3,193.62	20.83	13.41	-170.42	673.10	139.71	1,646.91	1,621.78	25.14	65.520		
3,700.00	3,536.20	3,317.04	3,280.47	21.51	13.80	-170.44	686.67	144.20	1,694.38	1,668.52	25.86	65.516		
3,800.00	3,630.34	3,405.05	3,367.32	22.19	14.19	-170.46	700.23	148.70	1,741.85	1,715.26	26.59	65.512		
3,900.00	3,724.48	3,506.93	3,454.16	22.87	14.64	-170.47	713.80	153.19	1,789.32	1,761.95	27.37	65.379		
4,000.00	3,818.62	3,581.08	3,541.01	23.55	14.97	-170.49	727.36	157.69	1,836.79	1,808.75	28.04	65.500		
4,100.00	3,912.76	3,669.09	3,627.86	24.23	15.36	-170.50	740.93	162.19	1,884.26	1,855.49	28.77	65.494		
4,200.00	4,006.89	3,757.11	3,714.70	24.91	15.74	-170.51	754.49	166.68	1,931.73	1,902.23	29.50	65.488		
4,300.00	4,101.03	3,845.12	3,801.55	25.59	16.13	-170.52	768.06	171.18	1,979.20	1,948.97	30.23	65.481		
4,400.00	4,195.17	3,933.14	3,888.40	26.27	16.52	-170.54	781.62	175.67	2,026.67	1,995.71	30.95	65.473		
4,500.00	4,289.31	4,021.15	3,975.24	26.95	16.91	-170.55	795.19	180.17	2,074.13	2,042.45	31.68	65.466		
4,600.00	4,383.44	4,109.17	4,062.09	27.63	17.30	-170.56	808.75	184.67	2,121.60	2,089.19	32.41	65.458		
4,700.00	4,477.58	4,202.82	4,148.93	28.31	17.72	-170.57	822.32	189.16	2,169.07	2,135.91	33.16	65.407		
4,800.00	4,571.72	4,285.20	4,235.78	28.99	18.08	-170.58	835.88	193.66	2,216.54	2,182.67	33.87	65.442		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - PROSPER FARMS 4-65 14-13 1AH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,900.00	4,665.86	4,373.21	4,322.63	29.67	18.47	-170.59	849.45	198.15	2,264.01	2,229.41	34.60	65.433		
5,000.00	4,760.00	4,461.22	4,409.47	30.35	18.86	-170.60	863.01	202.65	2,311.48	2,276.15	35.33	65.425		
5,100.00	4,854.13	4,549.24	4,496.32	31.03	19.25	-170.60	876.58	207.15	2,358.95	2,322.89	36.06	65.416		
5,200.00	4,948.27	4,637.25	4,583.17	31.71	19.64	-170.61	890.14	211.64	2,406.42	2,369.63	36.79	65.407		
5,300.00	5,042.41	4,725.27	4,670.01	32.39	20.03	-170.62	903.71	216.14	2,453.89	2,416.37	37.52	65.398		
5,400.00	5,136.55	4,813.28	4,756.86	33.07	20.42	-170.63	917.27	220.63	2,501.36	2,463.11	38.25	65.389		
5,500.00	5,230.69	4,901.30	4,843.71	33.75	20.81	-170.64	930.84	225.13	2,548.83	2,509.84	38.98	65.380		
5,600.00	5,324.82	4,989.31	4,930.55	34.43	21.20	-170.64	944.40	229.63	2,596.30	2,556.58	39.72	65.371		
5,700.00	5,418.96	5,077.33	5,017.40	35.12	21.59	-170.65	957.97	234.12	2,643.77	2,603.32	40.45	65.361		
5,800.00	5,513.10	5,165.34	5,104.25	35.80	21.98	-170.66	971.53	238.62	2,691.24	2,650.06	41.18	65.352		
5,900.00	5,607.24	5,253.36	5,191.09	36.48	22.37	-170.66	985.10	243.11	2,738.71	2,696.80	41.91	65.342		
6,000.00	5,701.37	5,341.37	5,277.94	37.16	22.76	-170.67	998.66	247.61	2,786.18	2,743.53	42.65	65.333		
6,100.00	5,795.51	5,429.38	5,364.79	37.84	23.16	-170.67	1,012.23	252.11	2,833.65	2,790.27	43.38	65.323		
6,200.00	5,889.65	5,517.40	5,451.63	38.52	23.55	-170.68	1,025.79	256.60	2,881.12	2,837.01	44.11	65.313		
6,300.00	5,983.79	5,605.41	5,538.48	39.20	23.94	-170.69	1,039.36	261.10	2,928.59	2,883.74	44.85	65.303		
6,400.00	6,077.93	5,706.57	5,625.33	39.88	24.38	-170.69	1,052.92	265.59	2,976.06	2,930.43	45.63	65.221		
6,500.00	6,172.06	5,781.44	5,712.17	40.56	24.72	-170.70	1,066.49	270.09	3,023.53	2,977.21	46.31	65.283		
6,600.00	6,266.20	5,869.46	5,799.02	41.25	25.11	-170.70	1,080.05	274.59	3,071.00	3,023.95	47.05	65.273		
6,700.00	6,360.34	5,957.47	5,885.87	41.93	25.50	-170.71	1,093.62	279.08	3,118.47	3,070.68	47.78	65.263		
6,800.00	6,454.48	6,045.49	5,972.71	42.61	25.89	-170.71	1,107.18	283.58	3,165.94	3,117.42	48.52	65.253		
6,900.00	6,548.61	6,133.50	6,059.56	43.29	26.28	-170.72	1,120.75	288.07	3,213.41	3,164.15	49.25	65.243		
7,000.00	6,642.75	6,221.51	6,146.41	43.97	26.67	-170.72	1,134.31	292.57	3,260.88	3,210.89	49.99	65.232		
7,100.00	6,736.89	6,309.53	6,233.25	44.65	27.06	-170.72	1,147.88	297.07	3,308.35	3,257.62	50.72	65.222		
7,200.00	6,831.03	6,402.46	6,320.10	45.33	27.47	-170.73	1,161.44	301.56	3,355.82	3,304.34	51.48	65.188		
7,300.00	6,925.17	6,485.56	6,406.95	46.02	27.84	-170.73	1,175.01	306.06	3,403.29	3,351.09	52.20	65.201		
7,400.00	7,019.30	6,573.57	6,493.79	46.70	28.23	-170.74	1,188.57	310.55	3,450.76	3,397.82	52.93	65.191		
7,500.00	7,113.44	6,661.59	6,580.64	47.38	28.62	-170.74	1,202.14	315.05	3,498.23	3,444.56	53.67	65.180		
7,600.00	7,207.58	6,749.60	6,667.49	48.06	29.01	-170.74	1,215.70	319.55	3,545.70	3,491.29	54.41	65.169		
7,700.00	7,301.72	6,837.62	6,754.33	48.74	29.40	-170.75	1,229.27	324.04	3,593.17	3,538.02	55.15	65.158		
7,766.97	7,364.76	6,896.56	6,812.49	49.20	29.66	-170.75	1,238.35	327.05	3,624.96	3,569.32	55.64	65.151		
7,800.00	7,395.79	6,925.61	6,841.16	49.43	29.79	-160.19	1,242.83	328.54	3,640.62	3,584.74	55.88	65.145		
7,850.00	7,442.34	6,969.39	6,884.35	49.78	29.98	-145.94	1,249.58	330.77	3,664.21	3,607.95	56.26	65.130		
7,900.00	7,488.07	7,012.60	6,927.00	50.13	30.17	-134.12	1,256.24	332.98	3,687.50	3,630.86	56.64	65.107		
7,950.00	7,532.63	7,054.94	6,968.77	50.48	30.36	-124.54	1,262.76	335.14	3,710.34	3,653.33	57.01	65.080		
8,000.00	7,575.69	7,103.93	7,009.36	50.84	30.58	-116.79	1,269.10	337.25	3,732.61	3,675.20	57.41	65.014		
8,050.00	7,616.91	7,135.69	7,048.45	51.18	30.72	-110.47	1,275.21	339.27	3,754.20	3,696.46	57.75	65.013		
8,100.00	7,655.99	7,173.49	7,085.75	51.53	30.89	-105.24	1,281.03	341.20	3,775.00	3,716.90	58.10	64.971		
8,150.00	7,692.62	7,209.19	7,120.97	51.87	31.05	-100.88	1,286.54	343.02	3,794.94	3,736.48	58.45	64.921		
8,200.00	7,726.53	7,242.51	7,153.85	52.21	31.19	-97.20	1,291.67	344.73	3,813.93	3,755.13	58.80	64.861		
8,250.00	7,757.46	7,273.19	7,184.13	52.54	31.33	-94.08	1,296.40	346.29	3,831.91	3,772.76	59.15	64.786		
8,300.00	7,785.17	7,301.01	7,211.58	52.87	31.45	-91.42	1,300.69	347.71	3,848.83	3,789.34	59.49	64.694		
8,350.00	7,809.46	7,325.76	7,236.00	53.19	31.56	-89.15	1,304.50	348.98	3,864.63	3,804.79	59.84	64.582		
8,400.00	7,830.13	7,347.24	7,257.20	53.51	31.66	-87.21	1,307.81	350.08	3,879.27	3,819.08	60.19	64.445		
8,450.00	7,847.03	7,365.30	7,275.01	53.82	31.74	-85.55	1,310.60	351.00	3,892.72	3,832.16	60.56	64.283		
8,500.00	7,860.04	7,379.79	7,289.31	54.14	31.80	-84.16	1,312.83	351.74	3,904.91	3,843.99	60.92	64.094		
8,550.00	7,869.04	7,390.60	7,299.98	54.44	31.85	-83.00	1,314.50	352.29	3,915.83	3,854.53	61.30	63.880		
8,600.00	7,873.98	7,402.34	7,306.94	54.75	31.90	-82.07	1,315.58	352.65	3,925.42	3,863.72	61.70	63.622		
8,635.17	7,875.00	8,360.51	7,875.00	54.96	38.33	-89.92	1,395.77	988.37	3,926.34	3,853.50	72.84	53.902		
8,700.00	7,875.00	8,425.34	7,875.00	55.36	39.11	-89.92	1,394.86	1,053.19	3,926.17	3,851.56	74.61	52.622		
8,800.00	7,875.00	8,525.34	7,875.00	56.06	40.43	-89.92	1,393.45	1,153.18	3,925.90	3,848.33	77.58	50.607		
8,900.00	7,875.00	8,625.34	7,875.00	56.85	41.90	-89.92	1,392.04	1,253.17	3,925.64	3,844.84	80.79	48.588		
9,000.00	7,875.00	8,725.34	7,875.00	57.73	43.50	-89.92	1,390.64	1,353.16	3,925.37	3,841.14	84.23	46.602		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - PROSPER FARMS 4-65 14-13 1AH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,100.00	7,875.00	8,825.34	7,875.00	58.72	45.22	-89.92	1,389.23	1,453.15	3,925.11	3,837.24	87.87	44.671		
9,200.00	7,875.00	8,925.34	7,875.00	59.81	47.04	-89.92	1,387.82	1,553.14	3,924.84	3,833.17	91.68	42.813		
9,300.00	7,875.00	9,025.34	7,875.00	61.00	48.94	-89.92	1,386.41	1,653.13	3,924.58	3,828.94	95.63	41.037		
9,400.00	7,875.00	9,125.34	7,875.00	62.30	50.92	-89.92	1,385.00	1,753.12	3,924.31	3,824.58	99.73	39.350		
9,500.00	7,875.00	9,225.34	7,875.00	63.70	52.97	-89.92	1,383.59	1,853.11	3,924.04	3,820.10	103.94	37.753		
9,600.00	7,875.00	9,325.34	7,875.00	65.19	55.08	-89.92	1,382.19	1,953.10	3,923.78	3,815.52	108.26	36.245		
9,700.00	7,875.00	9,425.34	7,875.00	66.78	57.25	-89.92	1,380.78	2,053.09	3,923.51	3,810.85	112.66	34.825		
9,800.00	7,875.00	9,525.34	7,875.00	68.45	59.45	-89.92	1,379.37	2,153.08	3,923.25	3,806.09	117.16	33.488		
9,900.00	7,875.00	9,625.34	7,875.00	70.20	61.70	-89.92	1,377.96	2,253.07	3,922.98	3,801.26	121.72	32.230		
10,000.00	7,875.00	9,725.34	7,875.00	72.02	63.99	-89.92	1,376.55	2,353.06	3,922.72	3,796.37	126.35	31.047		
10,100.00	7,875.00	9,825.34	7,875.00	73.91	66.31	-89.92	1,375.15	2,453.05	3,922.45	3,791.42	131.03	29.935		
10,200.00	7,875.00	9,925.34	7,875.00	75.86	68.65	-89.92	1,373.74	2,553.04	3,922.19	3,786.41	135.77	28.888		
10,300.00	7,875.00	10,025.34	7,875.00	77.87	71.02	-89.92	1,372.33	2,653.03	3,921.92	3,781.36	140.56	27.902		
10,400.00	7,875.00	10,125.34	7,875.00	79.93	73.42	-89.92	1,370.92	2,753.01	3,921.66	3,776.27	145.39	26.974		
10,500.00	7,875.00	10,225.33	7,875.00	82.03	75.83	-89.92	1,369.51	2,853.00	3,921.39	3,771.14	150.25	26.099		
10,600.00	7,875.00	10,325.33	7,875.00	84.18	78.27	-89.92	1,368.11	2,952.99	3,921.13	3,765.97	155.15	25.273		
10,700.00	7,875.00	10,425.33	7,875.00	86.36	80.72	-89.92	1,366.70	3,052.98	3,920.86	3,760.77	160.09	24.492		
10,800.00	7,875.00	10,525.33	7,875.00	88.58	83.19	-89.92	1,365.29	3,152.97	3,920.59	3,755.55	165.05	23.755		
10,900.00	7,875.00	10,625.33	7,875.00	90.83	85.67	-89.92	1,363.88	3,252.96	3,920.33	3,750.30	170.03	23.056		
11,000.00	7,875.00	10,725.33	7,875.00	93.11	88.16	-89.92	1,362.47	3,352.95	3,920.06	3,745.02	175.04	22.395		
11,100.00	7,875.00	10,825.33	7,875.00	95.41	90.67	-89.92	1,361.07	3,452.94	3,919.80	3,739.72	180.08	21.767		
11,200.00	7,875.00	10,925.33	7,875.00	97.74	93.19	-89.92	1,359.66	3,552.93	3,919.53	3,734.40	185.13	21.172		
11,300.00	7,875.00	11,025.33	7,875.00	100.09	95.71	-89.92	1,358.25	3,652.92	3,919.27	3,729.07	190.20	20.606		
11,400.00	7,875.00	11,125.33	7,875.00	102.46	98.25	-89.92	1,356.84	3,752.91	3,919.00	3,723.71	195.29	20.068		
11,500.00	7,875.00	11,225.33	7,875.00	104.84	100.80	-89.92	1,355.43	3,852.90	3,918.74	3,718.34	200.39	19.555		
11,600.00	7,875.00	11,325.33	7,875.00	107.25	103.35	-89.92	1,354.02	3,952.89	3,918.47	3,712.96	205.51	19.067		
11,700.00	7,875.00	11,425.33	7,875.00	109.67	105.91	-89.92	1,352.62	4,052.88	3,918.21	3,707.56	210.64	18.601		
11,800.00	7,875.00	11,525.33	7,875.00	112.10	108.47	-89.92	1,351.21	4,152.87	3,917.94	3,702.15	215.79	18.156		
11,900.00	7,875.00	11,625.33	7,875.00	114.55	111.05	-89.92	1,349.80	4,252.86	3,917.68	3,696.73	220.94	17.731		
12,000.00	7,875.00	11,725.33	7,875.00	117.01	113.62	-89.92	1,348.39	4,352.85	3,917.41	3,691.30	226.11	17.325		
12,100.00	7,875.00	11,825.33	7,875.00	119.48	116.21	-89.92	1,346.98	4,452.84	3,917.14	3,685.85	231.29	16.936		
12,200.00	7,875.00	11,925.33	7,875.00	121.96	118.80	-89.92	1,345.58	4,552.83	3,916.88	3,680.40	236.48	16.563		
12,300.00	7,875.00	12,025.33	7,875.00	124.46	121.39	-89.92	1,344.17	4,652.82	3,916.61	3,674.94	241.67	16.206		
12,400.00	7,875.00	12,125.33	7,875.00	126.96	123.99	-89.92	1,342.76	4,752.81	3,916.35	3,669.47	246.88	15.864		
12,500.00	7,875.00	12,225.33	7,875.00	129.47	126.59	-89.92	1,341.35	4,852.80	3,916.08	3,663.99	252.09	15.535		
12,600.00	7,875.00	12,325.33	7,875.00	131.99	129.20	-89.92	1,339.94	4,952.79	3,915.82	3,658.51	257.31	15.218		
12,700.00	7,875.00	12,425.33	7,875.00	134.51	131.80	-89.92	1,338.54	5,052.78	3,915.55	3,653.02	262.53	14.914		
12,800.00	7,875.00	12,525.33	7,875.00	137.04	134.42	-89.92	1,337.13	5,152.77	3,915.29	3,647.52	267.77	14.622		
12,900.00	7,875.00	12,625.33	7,875.00	139.58	137.03	-89.92	1,335.72	5,252.76	3,915.02	3,642.02	273.01	14.340		
13,000.00	7,875.00	12,725.33	7,875.00	142.13	139.65	-89.92	1,334.31	5,352.75	3,914.76	3,636.51	278.25	14.069		
13,100.00	7,875.00	12,825.33	7,875.00	144.68	142.28	-89.92	1,332.90	5,452.74	3,914.49	3,630.99	283.50	13.808		
13,200.00	7,875.00	12,925.33	7,875.00	147.24	144.90	-89.92	1,331.50	5,552.73	3,914.23	3,625.47	288.76	13.556		
13,300.00	7,875.00	13,025.33	7,875.00	149.80	147.53	-89.92	1,330.09	5,652.72	3,913.96	3,619.94	294.02	13.312		
13,400.00	7,875.00	13,125.32	7,875.00	152.37	150.16	-89.92	1,328.68	5,752.71	3,913.69	3,614.41	299.28	13.077		
13,500.00	7,875.00	13,225.32	7,875.00	154.94	152.79	-89.92	1,327.27	5,852.70	3,913.43	3,608.88	304.55	12.850		
13,600.00	7,875.00	13,325.32	7,875.00	157.52	155.42	-89.92	1,325.86	5,952.69	3,913.16	3,603.34	309.82	12.630		
13,700.00	7,875.00	13,425.32	7,875.00	160.10	158.06	-89.92	1,324.45	6,052.68	3,912.90	3,597.80	315.10	12.418		
13,800.00	7,875.00	13,525.32	7,875.00	162.68	160.70	-89.92	1,323.05	6,152.67	3,912.63	3,592.25	320.38	12.212		
13,900.00	7,875.00	13,625.32	7,875.00	165.27	163.34	-89.92	1,321.64	6,252.66	3,912.37	3,586.70	325.66	12.013		
14,000.00	7,875.00	13,725.32	7,875.00	167.86	165.98	-89.92	1,320.23	6,352.65	3,912.10	3,581.15	330.95	11.821		
14,100.00	7,875.00	13,825.32	7,875.00	170.46	168.62	-89.92	1,318.82	6,452.64	3,911.84	3,575.59	336.24	11.634		
14,200.00	7,875.00	13,925.32	7,875.00	173.06	171.27	-89.92	1,317.41	6,552.62	3,911.57	3,570.03	341.54	11.453		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - PROSPER FARMS 4-65 14-13 1AH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,875.00	14,025.32	7,875.00	175.66	173.92	-89.92	1,316.01	6,652.61	3,911.31	3,564.47	346.84	11.277		
14,400.00	7,875.00	14,125.32	7,875.00	178.26	176.56	-89.92	1,314.60	6,752.60	3,911.04	3,558.91	352.13	11.107		
14,500.00	7,875.00	14,225.32	7,875.00	180.87	179.21	-89.92	1,313.19	6,852.59	3,910.78	3,553.34	357.44	10.941		
14,600.00	7,875.00	14,325.32	7,875.00	183.48	181.87	-89.92	1,311.78	6,952.58	3,910.51	3,547.77	362.74	10.780		
14,700.00	7,875.00	14,425.32	7,875.00	186.09	184.52	-89.92	1,310.37	7,052.57	3,910.24	3,542.19	368.05	10.624		
14,800.00	7,875.00	14,525.32	7,875.00	188.71	187.17	-89.92	1,308.97	7,152.56	3,909.98	3,536.62	373.36	10.472		
14,900.00	7,875.00	14,625.32	7,875.00	191.33	189.83	-89.92	1,307.56	7,252.55	3,909.71	3,531.04	378.67	10.325		
15,000.00	7,875.00	14,725.32	7,875.00	193.95	192.48	-89.92	1,306.15	7,352.54	3,909.45	3,525.46	383.99	10.181		
15,100.00	7,875.00	14,825.32	7,875.00	196.57	195.14	-89.92	1,304.74	7,452.53	3,909.18	3,519.88	389.30	10.041		
15,200.00	7,875.00	14,925.32	7,875.00	199.19	197.80	-89.92	1,303.33	7,552.52	3,908.92	3,514.30	394.62	9.905		
15,300.00	7,875.00	15,025.32	7,875.00	201.82	200.46	-89.92	1,301.92	7,652.51	3,908.65	3,508.71	399.94	9.773		
15,400.00	7,875.00	15,125.32	7,875.00	204.45	203.12	-89.92	1,300.52	7,752.50	3,908.39	3,503.12	405.26	9.644		
15,500.00	7,875.00	15,225.32	7,875.00	207.08	205.78	-89.92	1,299.11	7,852.49	3,908.12	3,497.53	410.59	9.518		
15,600.00	7,875.00	15,325.32	7,875.00	209.71	208.44	-89.92	1,297.70	7,952.48	3,907.86	3,491.94	415.91	9.396		
15,700.00	7,875.00	15,425.32	7,875.00	212.34	211.10	-89.92	1,296.29	8,052.47	3,907.59	3,486.35	421.24	9.276		
15,800.00	7,875.00	15,525.32	7,875.00	214.98	213.77	-89.92	1,294.88	8,152.46	3,907.33	3,480.75	426.57	9.160		
15,900.00	7,875.00	15,625.32	7,875.00	217.61	216.43	-89.92	1,293.48	8,252.45	3,907.06	3,475.16	431.90	9.046		
16,000.00	7,875.00	15,725.32	7,875.00	220.25	219.09	-89.92	1,292.07	8,352.44	3,906.79	3,469.56	437.23	8.935		
16,100.00	7,875.00	15,825.32	7,875.00	222.89	221.76	-89.92	1,290.66	8,452.43	3,906.53	3,463.96	442.57	8.827		
16,200.00	7,875.00	15,925.31	7,875.00	225.53	224.43	-89.92	1,289.25	8,552.42	3,906.26	3,458.36	447.90	8.721		
16,300.00	7,875.00	16,025.31	7,875.00	228.17	227.09	-89.92	1,287.84	8,652.41	3,906.00	3,452.76	453.24	8.618		
16,400.00	7,875.00	16,125.31	7,875.00	230.81	229.76	-89.92	1,286.44	8,752.40	3,905.73	3,447.16	458.57	8.517		
16,500.00	7,875.00	16,225.31	7,875.00	233.46	232.43	-89.92	1,285.03	8,852.39	3,905.47	3,441.56	463.91	8.419		
16,600.00	7,875.00	16,325.31	7,875.00	236.10	235.10	-89.92	1,283.62	8,952.38	3,905.20	3,435.95	469.25	8.322		
16,700.00	7,875.00	16,425.31	7,875.00	238.75	237.77	-89.92	1,282.21	9,052.37	3,904.94	3,430.34	474.59	8.228		
16,800.00	7,875.00	16,525.31	7,875.00	241.40	240.44	-89.92	1,280.80	9,152.36	3,904.67	3,424.74	479.93	8.136		
16,900.00	7,875.00	16,625.31	7,875.00	244.05	243.11	-89.92	1,279.40	9,252.35	3,904.41	3,419.13	485.28	8.046		
17,000.00	7,875.00	16,725.31	7,875.00	246.70	245.78	-89.92	1,277.99	9,352.34	3,904.14	3,413.52	490.62	7.958		
17,100.00	7,875.00	16,825.31	7,875.00	249.35	248.45	-89.92	1,276.58	9,452.33	3,903.88	3,407.91	495.97	7.871		
17,200.00	7,875.00	16,925.31	7,875.00	252.00	251.13	-89.92	1,275.17	9,552.32	3,903.61	3,402.30	501.31	7.787		
17,300.00	7,875.00	17,025.31	7,875.00	254.65	253.80	-89.92	1,273.76	9,652.31	3,903.34	3,396.69	506.66	7.704		
17,400.00	7,875.00	17,125.31	7,875.00	257.31	256.47	-89.92	1,272.35	9,752.30	3,903.08	3,391.07	512.01	7.623		
17,500.00	7,875.00	17,225.31	7,875.00	259.96	259.15	-89.92	1,270.95	9,852.29	3,902.81	3,385.46	517.36	7.544		
17,600.00	7,875.00	17,325.31	7,875.00	262.62	261.82	-89.92	1,269.54	9,952.28	3,902.55	3,379.84	522.70	7.466		
17,700.00	7,875.00	17,425.31	7,875.00	265.27	264.49	-89.92	1,268.13	10,052.27	3,902.28	3,374.23	528.06	7.390		
17,800.00	7,875.00	17,525.31	7,875.00	267.93	267.17	-89.92	1,266.72	10,152.26	3,902.02	3,368.61	533.41	7.315		
17,900.00	7,875.00	17,625.31	7,875.00	270.59	269.84	-89.92	1,265.31	10,252.25	3,901.75	3,362.99	538.76	7.242		
18,000.00	7,875.00	17,725.31	7,875.00	273.24	272.52	-89.92	1,263.91	10,352.23	3,901.49	3,357.38	544.11	7.170		
18,100.00	7,875.00	17,825.31	7,875.00	275.90	275.20	-89.92	1,262.50	10,452.22	3,901.22	3,351.76	549.46	7.100		
18,200.00	7,875.00	17,925.31	7,875.00	278.56	277.87	-89.92	1,261.09	10,552.21	3,900.96	3,346.14	554.82	7.031		
18,300.00	7,875.00	18,025.31	7,875.00	281.22	280.55	-89.92	1,259.68	10,652.20	3,900.69	3,340.52	560.17	6.963		
18,400.00	7,875.00	18,125.31	7,875.00	283.89	283.23	-89.92	1,258.27	10,752.19	3,900.43	3,334.90	565.53	6.897		
18,500.00	7,875.00	18,225.31	7,875.00	286.55	285.91	-89.92	1,256.87	10,852.18	3,900.16	3,329.28	570.88	6.832		
18,511.37	7,875.00	18,226.33	7,875.00	286.85	285.93	-89.92	1,256.85	10,853.21	3,900.14	3,328.97	571.17	6.828		
18,540.44	7,875.00	18,226.33	7,875.00	287.62	285.93	-89.92	1,256.85	10,853.21	3,900.25	3,328.44	571.81	6.821 SF		

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - PROSPER FARMS 4-65 14-13 1BH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	4.40	4.40	0.00	0.01	-0.16	199.99	-0.56	199.99					
100.00	100.00	104.40	104.40	0.13	0.15	-0.16	199.99	-0.56	199.99	199.70	0.28	702.633		
200.00	200.00	204.40	204.40	0.49	0.51	-0.16	199.99	-0.56	199.99	198.99	1.00	199.675		
250.00	250.00	254.40	254.40	0.67	0.69	-0.16	199.99	-0.56	199.99	198.63	1.36	147.046 CC, ES		
300.00	300.00	301.72	301.71	0.84	0.86	-171.28	200.33	-0.25	200.78	199.08	1.70	118.007		
400.00	399.93	396.51	396.44	1.18	1.20	-170.79	202.76	1.95	206.80	204.41	2.39	86.596		
500.00	499.68	508.07	491.65	1.54	1.60	-169.91	207.47	6.21	218.64	215.49	3.15	69.354		
600.00	599.13	590.60	590.04	1.91	1.91	-169.10	212.97	11.19	234.59	230.78	3.81	61.512		
700.00	698.15	688.68	687.85	2.31	2.27	-168.52	218.43	16.14	253.94	249.41	4.54	55.979		
800.00	796.63	786.06	784.95	2.74	2.63	-168.15	223.86	21.05	276.65	271.39	5.26	52.584		
900.00	894.44	882.61	881.22	3.20	3.00	-167.95	229.25	25.92	302.67	296.69	5.99	50.551		
1,000.00	991.46	978.21	976.56	3.70	3.35	-167.88	234.57	30.75	331.98	325.26	6.71	49.442		
1,100.00	1,087.58	1,072.75	1,070.83	4.24	3.71	-167.90	239.84	35.52	364.53	357.09	7.44	48.977		
1,200.00	1,182.68	1,166.12	1,163.94	4.82	4.06	-167.99	245.05	40.23	400.29	392.12	8.17	48.987		
1,235.78	1,216.44	1,200.78	1,196.94	5.04	4.19	-168.03	246.89	41.90	413.86	405.42	8.44	49.021		
1,300.00	1,276.90	1,258.48	1,256.03	5.44	4.41	-168.22	250.20	44.89	438.58	429.68	8.90	49.287		
1,400.00	1,371.03	1,350.75	1,348.05	6.08	4.75	-168.46	255.34	49.54	477.08	467.46	9.62	49.605		
1,500.00	1,465.17	1,443.03	1,440.06	6.73	5.10	-168.67	260.49	54.20	515.59	505.24	10.34	49.857		
1,600.00	1,559.31	1,535.30	1,532.07	7.38	5.45	-168.86	265.63	58.86	554.10	543.03	11.07	50.061		
1,700.00	1,653.45	1,627.58	1,624.08	8.04	5.80	-169.01	270.77	63.51	592.61	580.82	11.80	50.229		
1,800.00	1,747.59	1,719.85	1,716.09	8.70	6.14	-169.15	275.92	68.17	631.13	618.60	12.53	50.367		
1,900.00	1,841.72	1,812.12	1,808.11	9.36	6.49	-169.27	281.06	72.83	669.65	656.39	13.26	50.484		
2,000.00	1,935.86	1,904.40	1,900.12	10.03	6.84	-169.38	286.20	77.48	708.18	694.18	14.00	50.582		
2,100.00	2,030.00	2,003.33	1,992.13	10.70	7.21	-169.48	291.35	82.14	746.70	731.94	14.76	50.582		
2,200.00	2,124.14	2,088.94	2,084.14	11.37	7.53	-169.57	296.49	86.79	785.23	769.76	15.48	50.739		
2,300.00	2,218.27	2,181.22	2,176.16	12.04	7.88	-169.65	301.64	91.45	823.76	807.55	16.22	50.801		
2,400.00	2,312.41	2,273.49	2,268.17	12.71	8.23	-169.72	306.78	96.11	862.29	845.34	16.96	50.856		
2,500.00	2,406.55	2,365.76	2,360.18	13.39	8.58	-169.79	311.92	100.76	900.82	883.13	17.70	50.904		
2,600.00	2,500.69	2,458.04	2,452.19	14.06	8.93	-169.85	317.07	105.42	939.36	920.92	18.44	50.946		
2,700.00	2,594.83	2,550.31	2,544.21	14.73	9.27	-169.91	322.21	110.08	977.89	958.71	19.18	50.983		
2,800.00	2,688.96	2,642.59	2,636.22	15.41	9.62	-169.96	327.35	114.73	1,016.42	996.50	19.92	51.016		
2,900.00	2,783.10	2,734.86	2,728.23	16.09	9.97	-170.01	332.50	119.39	1,054.96	1,034.29	20.67	51.046		
3,000.00	2,877.24	2,827.13	2,820.24	16.76	10.32	-170.05	337.64	124.04	1,093.49	1,072.08	21.41	51.072		
3,100.00	2,971.38	2,919.41	2,912.26	17.44	10.67	-170.10	342.79	128.70	1,132.03	1,109.87	22.16	51.096		
3,200.00	3,065.52	3,011.68	3,004.27	18.12	11.01	-170.13	347.93	133.36	1,170.57	1,147.67	22.90	51.117		
3,300.00	3,159.65	3,103.95	3,096.28	18.80	11.36	-170.17	353.07	138.01	1,209.10	1,185.46	23.64	51.136		
3,400.00	3,253.79	3,203.77	3,188.29	19.47	11.74	-170.21	358.22	142.67	1,247.64	1,223.22	24.42	51.095		
3,500.00	3,347.93	3,288.50	3,280.31	20.15	12.06	-170.24	363.36	147.32	1,286.18	1,261.04	25.14	51.169		
3,600.00	3,442.07	3,380.77	3,372.32	20.83	12.41	-170.27	368.50	151.98	1,324.72	1,298.83	25.88	51.183		
3,700.00	3,536.20	3,473.05	3,464.33	21.51	12.75	-170.30	373.65	156.64	1,363.25	1,336.63	26.63	51.196		
3,800.00	3,630.34	3,565.32	3,556.34	22.19	13.10	-170.32	378.79	161.29	1,401.79	1,374.42	27.37	51.208		
3,900.00	3,724.48	3,657.60	3,648.36	22.87	13.45	-170.35	383.94	165.95	1,440.33	1,412.21	28.12	51.218		
4,000.00	3,818.62	3,749.87	3,740.37	23.55	13.80	-170.37	389.08	170.61	1,478.87	1,450.00	28.87	51.228		
4,100.00	3,912.76	3,842.14	3,832.38	24.23	14.15	-170.40	394.22	175.26	1,517.41	1,487.79	29.62	51.237		
4,200.00	4,006.89	3,934.42	3,924.39	24.91	14.50	-170.42	399.37	179.92	1,555.95	1,525.58	30.36	51.245		
4,300.00	4,101.03	4,026.69	4,016.41	25.59	14.84	-170.44	404.51	184.57	1,594.49	1,563.38	31.11	51.252		
4,400.00	4,195.17	4,118.96	4,108.42	26.27	15.19	-170.46	409.65	189.23	1,633.03	1,601.17	31.86	51.259		
4,500.00	4,289.31	4,211.24	4,200.43	26.95	15.54	-170.48	414.80	193.89	1,671.57	1,638.96	32.61	51.265		
4,600.00	4,383.44	4,303.51	4,292.44	27.63	15.89	-170.50	419.94	198.54	1,710.11	1,676.75	33.35	51.270		
4,700.00	4,477.58	4,404.22	4,384.45	28.31	16.27	-170.52	425.09	203.20	1,748.65	1,714.51	34.13	51.228		
4,800.00	4,571.72	4,488.06	4,476.47	28.99	16.58	-170.53	430.23	207.86	1,787.19	1,752.34	34.85	51.279		
4,900.00	4,665.86	4,580.33	4,568.48	29.67	16.93	-170.55	435.37	212.51	1,825.73	1,790.13	35.60	51.283		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - PROSPER FARMS 4-65 14-13 1BH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	4,760.00	4,672.60	4,660.49	30.35	17.28	-170.56	440.52	217.17	1,864.27	1,827.92	36.35	51.286		
5,100.00	4,854.13	4,764.88	4,752.50	31.03	17.63	-170.58	445.66	221.82	1,902.81	1,865.71	37.10	51.290		
5,200.00	4,948.27	4,857.15	4,844.52	31.71	17.98	-170.59	450.80	226.48	1,941.35	1,903.50	37.85	51.292		
5,300.00	5,042.41	4,949.43	4,936.53	32.39	18.33	-170.60	455.95	231.14	1,979.89	1,941.29	38.60	51.295		
5,400.00	5,136.55	5,041.70	5,028.54	33.07	18.67	-170.62	461.09	235.79	2,018.43	1,979.08	39.35	51.297		
5,500.00	5,230.69	5,133.97	5,120.55	33.75	19.02	-170.63	466.24	240.45	2,056.97	2,016.87	40.10	51.298		
5,600.00	5,324.82	5,226.25	5,212.57	34.43	19.37	-170.64	471.38	245.11	2,095.51	2,054.67	40.85	51.300		
5,700.00	5,418.96	5,318.52	5,304.58	35.12	19.72	-170.65	476.52	249.76	2,134.06	2,092.46	41.60	51.301		
5,800.00	5,513.10	5,410.79	5,396.59	35.80	20.07	-170.67	481.67	254.42	2,172.60	2,130.25	42.35	51.302		
5,900.00	5,607.24	5,503.07	5,488.60	36.48	20.41	-170.68	486.81	259.07	2,211.14	2,168.04	43.10	51.303		
6,000.00	5,701.37	5,604.66	5,580.62	37.16	20.80	-170.69	491.96	263.73	2,249.68	2,205.79	43.89	51.263		
6,100.00	5,795.51	5,687.61	5,672.63	37.84	21.11	-170.70	497.10	268.39	2,288.22	2,243.62	44.60	51.303		
6,200.00	5,889.65	5,779.89	5,764.64	38.52	21.46	-170.71	502.24	273.04	2,326.76	2,281.41	45.35	51.303		
6,300.00	5,983.79	5,872.16	5,856.65	39.20	21.81	-170.72	507.39	277.70	2,365.30	2,319.20	46.10	51.303		
6,400.00	6,077.93	5,964.44	5,948.67	39.88	22.16	-170.72	512.53	282.35	2,403.85	2,356.99	46.86	51.303		
6,500.00	6,172.06	6,056.71	6,040.68	40.56	22.50	-170.73	517.67	287.01	2,442.39	2,394.78	47.61	51.302		
6,600.00	6,266.20	6,148.98	6,132.69	41.25	22.85	-170.74	522.82	291.67	2,480.93	2,432.57	48.36	51.302		
6,700.00	6,360.34	6,241.26	6,224.70	41.93	23.20	-170.75	527.96	296.32	2,519.47	2,470.36	49.11	51.301		
6,800.00	6,454.48	6,333.53	6,316.72	42.61	23.55	-170.76	533.11	300.98	2,558.01	2,508.15	49.86	51.300		
6,900.00	6,548.61	6,425.80	6,408.73	43.29	23.90	-170.77	538.25	305.64	2,596.55	2,545.94	50.62	51.299		
7,000.00	6,642.75	6,518.08	6,500.74	43.97	24.24	-170.77	543.39	310.29	2,635.10	2,583.73	51.37	51.297		
7,100.00	6,736.89	6,610.35	6,592.75	44.65	24.59	-170.78	548.54	314.95	2,673.64	2,621.52	52.12	51.296		
7,200.00	6,831.03	6,702.62	6,684.76	45.33	24.94	-170.79	553.68	319.60	2,712.18	2,659.30	52.87	51.294		
7,300.00	6,925.17	6,805.10	6,776.78	46.02	25.33	-170.80	558.82	324.26	2,750.72	2,697.06	53.67	51.257		
7,400.00	7,019.30	6,887.17	6,868.79	46.70	25.64	-170.80	563.97	328.92	2,789.26	2,734.88	54.38	51.291		
7,500.00	7,113.44	6,979.45	6,960.80	47.38	25.99	-170.81	569.11	333.57	2,827.81	2,772.67	55.13	51.289		
7,600.00	7,207.58	7,071.72	7,052.81	48.06	26.33	-170.82	574.26	338.23	2,866.35	2,810.46	55.89	51.287		
7,700.00	7,301.72	7,163.99	7,144.83	48.74	26.68	-170.82	579.40	342.89	2,904.89	2,848.25	56.64	51.284		
7,766.97	7,364.76	7,225.79	7,206.45	49.20	26.91	-170.83	582.84	346.00	2,930.70	2,873.55	57.15	51.283		
7,800.00	7,395.79	7,256.25	7,236.82	49.43	27.03	-160.67	584.54	347.54	2,943.42	2,886.02	57.40	51.281		
7,850.00	7,442.34	7,302.13	7,282.57	49.78	27.20	-147.04	587.10	349.86	2,962.57	2,904.80	57.78	51.275		
7,900.00	7,488.07	7,347.42	7,327.73	50.13	27.37	-135.83	589.62	352.14	2,981.49	2,923.34	58.16	51.267		
7,950.00	7,532.63	7,391.78	7,371.97	50.48	27.54	-126.84	592.10	354.38	3,000.08	2,941.55	58.53	51.258		
8,000.00	7,575.69	7,436.85	7,416.91	50.84	27.71	-119.68	594.61	356.75	3,018.24	2,959.33	58.91	51.235		
8,050.00	7,616.91	7,490.75	7,470.34	51.18	27.93	-113.96	597.55	362.99	3,035.79	2,976.42	59.37	51.130		
8,100.00	7,655.99	7,547.58	7,525.79	51.53	28.17	-109.29	600.52	374.97	3,052.57	2,992.68	59.89	50.971		
8,150.00	7,692.62	7,607.77	7,582.93	51.87	28.45	-105.47	603.49	393.59	3,068.43	3,007.96	60.47	50.745		
8,200.00	7,726.53	7,671.76	7,641.17	52.21	28.76	-102.31	606.42	419.85	3,083.22	3,022.10	61.12	50.443		
8,250.00	7,757.46	7,739.92	7,699.58	52.54	29.12	-99.71	609.23	454.77	3,096.81	3,034.94	61.87	50.054		
8,300.00	7,785.17	7,812.53	7,756.79	52.87	29.54	-97.57	611.84	499.33	3,109.05	3,046.32	62.73	49.560		
8,350.00	7,809.46	7,889.66	7,810.90	53.19	30.05	-95.82	614.13	554.18	3,119.80	3,056.06	63.74	48.945		
8,400.00	7,830.13	7,971.10	7,859.49	53.51	30.67	-94.40	615.96	619.42	3,128.93	3,064.00	64.93	48.190		
8,450.00	7,847.03	8,056.22	7,899.90	53.82	31.42	-93.28	617.20	694.24	3,136.30	3,069.99	66.31	47.294		
8,500.00	7,860.04	8,144.00	7,929.51	54.14	32.32	-92.41	617.71	776.77	3,141.82	3,073.91	67.91	46.262		
8,550.00	7,869.04	8,233.03	7,946.35	54.44	33.37	-91.77	617.43	864.10	3,145.42	3,075.72	69.70	45.126		
8,600.00	7,873.98	8,311.32	7,950.00	54.75	34.38	-91.36	616.54	942.26	3,147.08	3,075.64	71.44	44.055		
8,635.17	7,875.00	8,346.47	7,950.00	54.96	34.87	-91.29	616.05	977.41	3,147.32	3,074.96	72.36	43.494		
8,700.00	7,875.00	8,411.30	7,950.00	55.36	35.79	-91.29	615.13	1,042.23	3,147.15	3,073.02	74.13	42.452		
8,800.00	7,875.00	8,511.30	7,950.00	56.06	37.34	-91.29	613.72	1,142.22	3,146.89	3,069.77	77.12	40.807		
8,900.00	7,875.00	8,611.30	7,950.00	56.85	39.01	-91.29	612.31	1,242.21	3,146.62	3,066.27	80.35	39.162		
9,000.00	7,875.00	8,711.30	7,950.00	57.73	40.80	-91.29	610.91	1,342.20	3,146.35	3,062.55	83.80	37.544		
9,100.00	7,875.00	8,811.30	7,950.00	58.72	42.68	-91.29	609.50	1,442.19	3,146.09	3,058.63	87.45	35.974		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - PROSPER FARMS 4-65 14-13 1BH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,875.00	8,911.30	7,950.00	59.81	44.65	-91.29	608.09	1,542.18	3,145.82	3,054.55	91.28	34.465		
9,300.00	7,875.00	9,011.30	7,950.00	61.00	46.69	-91.29	606.68	1,642.17	3,145.56	3,050.31	95.25	33.024		
9,400.00	7,875.00	9,111.30	7,950.00	62.30	48.79	-91.29	605.27	1,742.16	3,145.29	3,045.93	99.36	31.657		
9,500.00	7,875.00	9,211.30	7,950.00	63.70	50.95	-91.29	603.86	1,842.15	3,145.02	3,041.44	103.58	30.364		
9,600.00	7,875.00	9,311.30	7,950.00	65.19	53.16	-91.29	602.45	1,942.14	3,144.76	3,036.85	107.91	29.144		
9,700.00	7,875.00	9,411.30	7,950.00	66.78	55.41	-91.29	601.04	2,042.13	3,144.49	3,032.17	112.32	27.995		
9,800.00	7,875.00	9,511.30	7,950.00	68.45	57.70	-91.29	599.64	2,142.12	3,144.23	3,027.40	116.82	26.914		
9,900.00	7,875.00	9,611.30	7,950.00	70.20	60.03	-91.29	598.23	2,242.10	3,143.96	3,022.56	121.40	25.898		
10,000.00	7,875.00	9,711.30	7,950.00	72.02	62.38	-91.29	596.82	2,342.09	3,143.69	3,017.66	126.03	24.943		
10,100.00	7,875.00	9,811.30	7,950.00	73.91	64.76	-91.29	595.41	2,442.08	3,143.43	3,012.70	130.73	24.046		
10,200.00	7,875.00	9,911.30	7,950.00	75.86	67.16	-91.29	594.00	2,542.07	3,143.16	3,007.69	135.47	23.201		
10,300.00	7,875.00	10,011.30	7,950.00	77.87	69.59	-91.29	592.59	2,642.06	3,142.90	3,002.63	140.26	22.407		
10,400.00	7,875.00	10,111.30	7,950.00	79.93	72.04	-91.29	591.18	2,742.05	3,142.63	2,997.53	145.10	21.659		
10,500.00	7,875.00	10,211.29	7,950.00	82.03	74.50	-91.29	589.78	2,842.04	3,142.36	2,992.39	149.97	20.953		
10,600.00	7,875.00	10,311.29	7,950.00	84.18	76.98	-91.29	588.37	2,942.03	3,142.10	2,987.22	154.88	20.288		
10,700.00	7,875.00	10,411.29	7,950.00	86.36	79.47	-91.29	586.96	3,042.02	3,141.83	2,982.02	159.81	19.659		
10,800.00	7,875.00	10,511.29	7,950.00	88.58	81.97	-91.29	585.55	3,142.01	3,141.57	2,976.79	164.78	19.065		
10,900.00	7,875.00	10,611.29	7,950.00	90.83	84.49	-91.29	584.14	3,242.00	3,141.30	2,971.53	169.77	18.503		
11,000.00	7,875.00	10,711.29	7,950.00	93.11	87.02	-91.29	582.73	3,341.99	3,141.03	2,966.25	174.78	17.971		
11,100.00	7,875.00	10,811.29	7,950.00	95.41	89.56	-91.29	581.32	3,441.98	3,140.77	2,960.95	179.82	17.466		
11,200.00	7,875.00	10,911.29	7,950.00	97.74	92.10	-91.29	579.91	3,541.97	3,140.50	2,955.63	184.87	16.987		
11,300.00	7,875.00	11,011.29	7,950.00	100.09	94.66	-91.29	578.51	3,641.96	3,140.24	2,950.29	189.95	16.532		
11,400.00	7,875.00	11,111.29	7,950.00	102.46	97.22	-91.29	577.10	3,741.95	3,139.97	2,944.93	195.04	16.099		
11,500.00	7,875.00	11,211.29	7,950.00	104.84	99.79	-91.29	575.69	3,841.94	3,139.71	2,939.56	200.15	15.687		
11,600.00	7,875.00	11,311.29	7,950.00	107.25	102.36	-91.29	574.28	3,941.93	3,139.44	2,934.17	205.27	15.294		
11,700.00	7,875.00	11,411.29	7,950.00	109.67	104.95	-91.29	572.87	4,041.92	3,139.17	2,928.77	210.40	14.920		
11,800.00	7,875.00	11,511.29	7,950.00	112.10	107.53	-91.29	571.46	4,141.91	3,138.91	2,923.36	215.55	14.562		
11,900.00	7,875.00	11,611.29	7,950.00	114.55	110.13	-91.29	570.05	4,241.90	3,138.64	2,917.94	220.71	14.221		
12,000.00	7,875.00	11,711.29	7,950.00	117.01	112.72	-91.29	568.64	4,341.89	3,138.38	2,912.50	225.87	13.894		
12,100.00	7,875.00	11,811.29	7,950.00	119.48	115.33	-91.29	567.24	4,441.88	3,138.11	2,907.06	231.05	13.582		
12,200.00	7,875.00	11,911.29	7,950.00	121.96	117.93	-91.29	565.83	4,541.87	3,137.84	2,901.60	236.24	13.282		
12,300.00	7,875.00	12,011.29	7,950.00	124.46	120.54	-91.29	564.42	4,641.86	3,137.58	2,896.14	241.44	12.995		
12,400.00	7,875.00	12,111.29	7,950.00	126.96	123.16	-91.29	563.01	4,741.85	3,137.31	2,890.67	246.64	12.720		
12,500.00	7,875.00	12,211.29	7,950.00	129.47	125.77	-91.29	561.60	4,841.84	3,137.05	2,885.19	251.86	12.456		
12,600.00	7,875.00	12,311.29	7,950.00	131.99	128.39	-91.29	560.19	4,941.83	3,136.78	2,879.70	257.08	12.202		
12,700.00	7,875.00	12,411.29	7,950.00	134.51	131.02	-91.29	558.78	5,041.82	3,136.51	2,874.21	262.30	11.958		
12,800.00	7,875.00	12,511.29	7,950.00	137.04	133.64	-91.29	557.37	5,141.81	3,136.25	2,868.71	267.54	11.723		
12,900.00	7,875.00	12,611.29	7,950.00	139.58	136.27	-91.29	555.97	5,241.80	3,135.98	2,863.21	272.78	11.496		
13,000.00	7,875.00	12,711.29	7,950.00	142.13	138.90	-91.29	554.56	5,341.79	3,135.72	2,857.69	278.02	11.279		
13,100.00	7,875.00	12,811.29	7,950.00	144.68	141.54	-91.29	553.15	5,441.78	3,135.45	2,852.18	283.27	11.069		
13,200.00	7,875.00	12,911.29	7,950.00	147.24	144.17	-91.29	551.74	5,541.77	3,135.18	2,846.66	288.53	10.866		
13,300.00	7,875.00	13,011.29	7,950.00	149.80	146.81	-91.29	550.33	5,641.76	3,134.92	2,841.13	293.79	10.671		
13,400.00	7,875.00	13,111.28	7,950.00	152.37	149.45	-91.29	548.92	5,741.75	3,134.65	2,835.60	299.05	10.482		
13,500.00	7,875.00	13,211.28	7,950.00	154.94	152.09	-91.29	547.51	5,841.73	3,134.39	2,830.06	304.32	10.300		
13,600.00	7,875.00	13,311.28	7,950.00	157.52	154.74	-91.29	546.11	5,941.72	3,134.12	2,824.52	309.60	10.123		
13,700.00	7,875.00	13,411.28	7,950.00	160.10	157.38	-91.29	544.70	6,041.71	3,133.86	2,818.98	314.87	9.953		
13,800.00	7,875.00	13,511.28	7,950.00	162.68	160.03	-91.29	543.29	6,141.70	3,133.59	2,813.43	320.15	9.788		
13,900.00	7,875.00	13,611.28	7,950.00	165.27	162.68	-91.29	541.88	6,241.69	3,133.32	2,807.88	325.44	9.628		
14,000.00	7,875.00	13,711.28	7,950.00	167.86	165.33	-91.29	540.47	6,341.68	3,133.06	2,802.33	330.73	9.473		
14,100.00	7,875.00	13,811.28	7,950.00	170.46	167.98	-91.29	539.06	6,441.67	3,132.79	2,796.77	336.02	9.323		
14,200.00	7,875.00	13,911.28	7,950.00	173.06	170.64	-91.29	537.65	6,541.66	3,132.53	2,791.21	341.31	9.178		
14,300.00	7,875.00	14,011.28	7,950.00	175.66	173.29	-91.29	536.24	6,641.65	3,132.26	2,785.65	346.61	9.037		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - PROSPER FARMS 4-65 14-13 1BH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,400.00	7,875.00	14,111.28	7,950.00	178.26	175.95	-91.29	534.84	6,741.64	3,131.99	2,780.09	351.91	8.900		
14,500.00	7,875.00	14,211.28	7,950.00	180.87	178.60	-91.29	533.43	6,841.63	3,131.73	2,774.52	357.21	8.767		
14,600.00	7,875.00	14,311.28	7,950.00	183.48	181.26	-91.29	532.02	6,941.62	3,131.46	2,768.95	362.52	8.638		
14,700.00	7,875.00	14,411.28	7,950.00	186.09	183.92	-91.29	530.61	7,041.61	3,131.20	2,763.37	367.82	8.513		
14,800.00	7,875.00	14,511.28	7,950.00	188.71	186.58	-91.29	529.20	7,141.60	3,130.93	2,757.80	373.13	8.391		
14,900.00	7,875.00	14,611.28	7,950.00	191.33	189.24	-91.29	527.79	7,241.59	3,130.66	2,752.22	378.44	8.272		
15,000.00	7,875.00	14,711.28	7,950.00	193.95	191.90	-91.29	526.38	7,341.58	3,130.40	2,746.64	383.76	8.157		
15,100.00	7,875.00	14,811.28	7,950.00	196.57	194.57	-91.29	524.97	7,441.57	3,130.13	2,741.06	389.07	8.045		
15,200.00	7,875.00	14,911.28	7,950.00	199.19	197.23	-91.29	523.57	7,541.56	3,129.87	2,735.47	394.39	7.936		
15,300.00	7,875.00	15,011.28	7,950.00	201.82	199.90	-91.29	522.16	7,641.55	3,129.60	2,729.89	399.71	7.830		
15,400.00	7,875.00	15,111.28	7,950.00	204.45	202.56	-91.29	520.75	7,741.54	3,129.33	2,724.30	405.03	7.726		
15,500.00	7,875.00	15,211.28	7,950.00	207.08	205.23	-91.29	519.34	7,841.53	3,129.07	2,718.71	410.36	7.625		
15,600.00	7,875.00	15,311.28	7,950.00	209.71	207.90	-91.29	517.93	7,941.52	3,128.80	2,713.12	415.68	7.527		
15,700.00	7,875.00	15,411.28	7,950.00	212.34	210.56	-91.29	516.52	8,041.51	3,128.54	2,707.53	421.01	7.431		
15,800.00	7,875.00	15,511.28	7,950.00	214.98	213.23	-91.29	515.11	8,141.50	3,128.27	2,701.93	426.34	7.338		
15,900.00	7,875.00	15,611.28	7,950.00	217.61	215.90	-91.29	513.70	8,241.49	3,128.00	2,696.34	431.67	7.246		
16,000.00	7,875.00	15,711.28	7,950.00	220.25	218.57	-91.29	512.30	8,341.48	3,127.74	2,690.74	437.00	7.157		
16,100.00	7,875.00	15,811.28	7,950.00	222.89	221.24	-91.29	510.89	8,441.47	3,127.47	2,685.14	442.33	7.070		
16,200.00	7,875.00	15,911.27	7,950.00	225.53	223.91	-91.29	509.48	8,541.46	3,127.21	2,679.54	447.66	6.986		
16,300.00	7,875.00	16,011.27	7,950.00	228.17	226.58	-91.29	508.07	8,641.45	3,126.94	2,673.94	453.00	6.903		
16,400.00	7,875.00	16,111.27	7,950.00	230.81	229.26	-91.29	506.66	8,741.44	3,126.68	2,668.34	458.34	6.822		
16,500.00	7,875.00	16,211.27	7,950.00	233.46	231.93	-91.29	505.25	8,841.43	3,126.41	2,662.74	463.67	6.743		
16,600.00	7,875.00	16,311.27	7,950.00	236.10	234.60	-91.29	503.84	8,941.42	3,126.14	2,657.13	469.01	6.665		
16,700.00	7,875.00	16,411.27	7,950.00	238.75	237.28	-91.29	502.44	9,041.41	3,125.88	2,651.53	474.35	6.590		
16,800.00	7,875.00	16,511.27	7,950.00	241.40	239.95	-91.29	501.03	9,141.40	3,125.61	2,645.92	479.69	6.516		
16,900.00	7,875.00	16,611.27	7,950.00	244.05	242.62	-91.29	499.62	9,241.39	3,125.35	2,640.31	485.04	6.444		
17,000.00	7,875.00	16,711.27	7,950.00	246.70	245.30	-91.29	498.21	9,341.38	3,125.08	2,634.70	490.38	6.373		
17,100.00	7,875.00	16,811.27	7,950.00	249.35	247.98	-91.29	496.80	9,441.36	3,124.81	2,629.09	495.72	6.304		
17,200.00	7,875.00	16,911.27	7,950.00	252.00	250.65	-91.29	495.39	9,541.35	3,124.55	2,623.48	501.07	6.236		
17,300.00	7,875.00	17,011.27	7,950.00	254.65	253.33	-91.29	493.98	9,641.34	3,124.28	2,617.87	506.41	6.169		
17,400.00	7,875.00	17,111.27	7,950.00	257.31	256.00	-91.29	492.57	9,741.33	3,124.02	2,612.26	511.76	6.104		
17,500.00	7,875.00	17,211.27	7,950.00	259.96	258.68	-91.30	491.17	9,841.32	3,123.75	2,606.64	517.11	6.041		
17,600.00	7,875.00	17,311.27	7,950.00	262.62	261.36	-91.30	489.76	9,941.31	3,123.48	2,601.03	522.46	5.978		
17,700.00	7,875.00	17,411.27	7,950.00	265.27	264.04	-91.30	488.35	10,041.30	3,123.22	2,595.41	527.81	5.917		
17,800.00	7,875.00	17,511.27	7,950.00	267.93	266.72	-91.30	486.94	10,141.29	3,122.95	2,589.80	533.16	5.857		
17,900.00	7,875.00	17,611.27	7,950.00	270.59	269.39	-91.30	485.53	10,241.28	3,122.69	2,584.18	538.51	5.799		
18,000.00	7,875.00	17,711.27	7,950.00	273.24	272.07	-91.30	484.12	10,341.27	3,122.42	2,578.56	543.86	5.741		
18,100.00	7,875.00	17,811.27	7,950.00	275.90	274.75	-91.30	482.71	10,441.26	3,122.15	2,572.94	549.21	5.685		
18,200.00	7,875.00	17,911.27	7,950.00	278.56	277.43	-91.30	481.30	10,541.25	3,121.89	2,567.33	554.56	5.629		
18,300.00	7,875.00	18,011.27	7,950.00	281.22	280.11	-91.30	479.90	10,641.24	3,121.62	2,561.71	559.92	5.575		
18,400.00	7,875.00	18,111.27	7,950.00	283.89	282.79	-91.30	478.49	10,741.23	3,121.36	2,556.09	565.27	5.522		
18,500.00	7,875.00	18,211.27	7,950.00	286.55	285.47	-91.30	477.08	10,841.22	3,121.09	2,550.46	570.63	5.470		
18,517.24	7,875.00	18,220.21	7,950.00	287.01	285.71	-91.30	476.95	10,850.16	3,121.06	2,549.79	571.26	5.463		
18,540.44	7,875.00	18,220.21	7,950.00	287.62	285.71	-91.30	476.95	10,850.16	3,121.14	2,549.45	571.69	5.459 SF		

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - PROSPER FARMS 4-65 14-13 2BH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.20	-0.20	0.00	0.00	-0.11	150.08	-0.28	150.08					
100.00	100.00	100.20	99.80	0.13	0.14	-0.11	150.08	-0.28	150.08	149.81	0.27	556.731		
200.00	200.00	200.20	199.80	0.49	0.49	-0.11	150.08	-0.28	150.08	149.09	0.99	152.130		
250.00	250.00	249.80	249.80	0.67	0.67	-0.11	150.08	-0.28	150.08	148.73	1.34	111.703 CC		
300.00	300.00	302.32	302.32	0.84	0.85	-171.25	149.64	-0.09	150.09	148.40	1.70	88.546		
400.00	399.93	407.38	407.30	1.18	1.21	-170.89	146.10	1.42	150.18	147.79	2.39	62.808		
500.00	499.68	512.40	512.03	1.54	1.58	-170.17	139.04	4.44	150.36	147.25	3.11	48.419		
600.00	599.13	617.38	616.37	1.91	1.98	-169.08	128.45	8.97	150.67	146.84	3.83	39.298 ES		
700.00	698.15	717.60	715.74	2.31	2.38	-167.98	116.48	14.09	152.62	148.06	4.56	33.437		
800.00	796.63	817.43	814.72	2.74	2.79	-167.18	104.55	19.19	158.02	152.71	5.31	29.777		
900.00	894.44	917.02	913.48	3.20	3.20	-166.69	92.65	24.29	166.83	160.77	6.06	27.532		
1,000.00	991.46	1,016.27	1,011.88	3.70	3.61	-166.50	80.78	29.36	179.03	172.21	6.82	26.255		
1,100.00	1,087.58	1,115.05	1,109.82	4.24	4.02	-166.55	68.98	34.41	194.58	187.00	7.59	25.652		
1,200.00	1,182.68	1,213.23	1,207.17	4.82	4.43	-166.79	57.25	39.43	213.49	205.13	8.36	25.546		
1,235.78	1,216.44	1,248.20	1,241.84	5.04	4.57	-166.91	53.07	41.22	221.06	212.42	8.64	25.596		
1,300.00	1,276.90	1,310.87	1,303.98	5.44	4.83	-167.19	45.58	44.42	235.04	225.91	9.13	25.742		
1,400.00	1,371.03	1,408.46	1,400.74	6.08	5.24	-167.55	33.92	49.41	256.82	246.92	9.90	25.936		
1,500.00	1,465.17	1,506.04	1,497.50	6.73	5.65	-167.86	22.25	54.40	278.61	267.93	10.68	26.094		
1,600.00	1,559.31	1,603.63	1,594.26	7.38	6.06	-168.13	10.59	59.39	300.40	288.95	11.46	26.224		
1,700.00	1,653.45	1,701.22	1,691.02	8.04	6.47	-168.36	-1.07	64.37	322.20	309.97	12.24	26.333		
1,800.00	1,747.59	1,801.19	1,787.78	8.70	6.89	-168.56	-12.73	69.36	344.01	330.98	13.03	26.406		
1,900.00	1,841.72	1,903.61	1,884.54	9.36	7.32	-168.74	-24.40	74.35	365.81	351.98	13.83	26.451		
2,000.00	1,935.86	2,006.02	1,981.30	10.03	7.76	-168.89	-36.06	79.34	387.62	372.99	14.63	26.488		
2,100.00	2,030.00	2,108.43	2,078.06	10.70	8.19	-169.03	-47.72	84.33	409.44	394.00	15.44	26.520		
2,200.00	2,124.14	2,189.16	2,174.82	11.37	8.53	-169.16	-59.38	89.32	431.25	415.09	16.16	26.682		
2,300.00	2,218.27	2,286.74	2,271.57	12.04	8.94	-169.27	-71.05	94.31	453.07	436.12	16.95	26.728		
2,400.00	2,312.41	2,384.33	2,368.33	12.71	9.35	-169.37	-82.71	99.30	474.89	457.15	17.74	26.769		
2,500.00	2,406.55	2,481.92	2,465.09	13.39	9.77	-169.47	-94.37	104.28	496.71	478.18	18.53	26.805		
2,600.00	2,500.69	2,579.50	2,561.85	14.06	10.18	-169.55	-106.03	109.27	518.53	499.21	19.32	26.838		
2,700.00	2,594.83	2,677.09	2,658.61	14.73	10.59	-169.63	-117.70	114.26	540.35	520.24	20.11	26.868		
2,800.00	2,688.96	2,774.68	2,755.37	15.41	11.00	-169.71	-129.36	119.25	562.17	541.27	20.90	26.894		
2,900.00	2,783.10	2,872.27	2,852.13	16.09	11.41	-169.77	-141.02	124.24	584.00	562.30	21.69	26.919		
3,000.00	2,877.24	2,969.85	2,948.89	16.76	11.83	-169.84	-152.68	129.23	605.82	583.33	22.49	26.941		
3,100.00	2,971.38	3,067.44	3,045.65	17.44	12.24	-169.90	-164.35	134.22	627.65	604.37	23.28	26.962		
3,200.00	3,065.52	3,165.03	3,142.41	18.12	12.65	-169.95	-176.01	139.20	649.47	625.40	24.07	26.981		
3,300.00	3,159.65	3,262.62	3,239.17	18.80	13.07	-170.00	-187.67	144.19	671.30	646.43	24.86	26.998		
3,400.00	3,253.79	3,360.20	3,335.93	19.47	13.48	-170.05	-199.33	149.18	693.12	667.47	25.66	27.014		
3,500.00	3,347.93	3,457.79	3,432.69	20.15	13.89	-170.09	-211.00	154.17	714.95	688.50	26.45	27.029		
3,600.00	3,442.07	3,555.38	3,529.45	20.83	14.30	-170.13	-222.66	159.16	736.78	709.53	27.24	27.043		
3,700.00	3,536.20	3,652.97	3,626.21	21.51	14.72	-170.17	-234.32	164.15	758.61	730.57	28.04	27.056		
3,800.00	3,630.34	3,750.55	3,722.97	22.19	15.13	-170.21	-245.98	169.14	780.43	751.60	28.83	27.068		
3,900.00	3,724.48	3,848.14	3,819.73	22.87	15.54	-170.25	-257.65	174.13	802.26	772.64	29.63	27.079		
4,000.00	3,818.62	3,945.73	3,916.49	23.55	15.96	-170.28	-269.31	179.11	824.09	793.67	30.42	27.090		
4,100.00	3,912.76	4,043.32	4,013.24	24.23	16.37	-170.31	-280.97	184.10	845.92	814.71	31.22	27.100		
4,200.00	4,006.89	4,140.90	4,110.00	24.91	16.78	-170.34	-292.63	189.09	867.75	835.74	32.01	27.109		
4,300.00	4,101.03	4,238.49	4,206.76	25.59	17.20	-170.37	-304.30	194.08	889.58	856.77	32.80	27.118		
4,400.00	4,195.17	4,336.08	4,303.52	26.27	17.61	-170.40	-315.96	199.07	911.41	877.81	33.60	27.126		
4,500.00	4,289.31	4,433.66	4,400.28	26.95	18.02	-170.43	-327.62	204.06	933.24	898.84	34.39	27.134		
4,600.00	4,383.44	4,531.25	4,497.04	27.63	18.43	-170.45	-339.28	209.05	955.07	919.88	35.19	27.141		
4,700.00	4,477.58	4,628.84	4,593.80	28.31	18.85	-170.47	-350.95	214.04	976.90	940.91	35.98	27.148		
4,800.00	4,571.72	4,726.43	4,690.56	28.99	19.26	-170.50	-362.61	219.02	998.73	961.95	36.78	27.154		
4,900.00	4,665.86	4,824.01	4,787.32	29.67	19.67	-170.52	-374.27	224.01	1,020.56	982.98	37.57	27.161		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - PROSPER FARMS 4-65 14-13 2BH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	4,760.00	4,921.60	4,884.08	30.35	20.09	-170.54	-385.93	229.00	1,042.39	1,004.02	38.37	27.167		
5,100.00	4,854.13	5,019.19	4,980.84	31.03	20.50	-170.56	-397.60	233.99	1,064.22	1,025.05	39.17	27.172		
5,200.00	4,948.27	5,116.78	5,077.60	31.71	20.91	-170.58	-409.26	238.98	1,086.05	1,046.09	39.96	27.177		
5,300.00	5,042.41	5,214.36	5,174.36	32.39	21.33	-170.60	-420.92	243.97	1,107.88	1,067.12	40.76	27.183		
5,400.00	5,136.55	5,311.95	5,271.12	33.07	21.74	-170.61	-432.58	248.96	1,129.71	1,088.16	41.55	27.187		
5,500.00	5,230.69	5,409.54	5,367.88	33.75	22.15	-170.63	-444.25	253.95	1,151.54	1,109.20	42.35	27.192		
5,600.00	5,324.82	5,507.13	5,464.64	34.43	22.57	-170.65	-455.91	258.93	1,173.38	1,130.23	43.14	27.196		
5,700.00	5,418.96	5,604.71	5,561.40	35.12	22.98	-170.66	-467.57	263.92	1,195.21	1,151.27	43.94	27.200		
5,800.00	5,513.10	5,702.30	5,658.16	35.80	23.39	-170.68	-479.23	268.91	1,217.04	1,172.30	44.74	27.204		
5,900.00	5,607.24	5,799.89	5,754.92	36.48	23.81	-170.69	-490.90	273.90	1,238.87	1,193.34	45.53	27.208		
6,000.00	5,701.37	5,902.53	5,851.67	37.16	24.24	-170.71	-502.56	278.89	1,260.70	1,214.35	46.35	27.201		
6,100.00	5,795.51	6,004.94	5,948.43	37.84	24.67	-170.72	-514.22	283.88	1,282.53	1,235.37	47.16	27.194		
6,200.00	5,889.65	6,107.35	6,045.19	38.52	25.11	-170.74	-525.88	288.87	1,304.36	1,256.39	47.98	27.187		
6,300.00	5,983.79	6,190.24	6,141.95	39.20	25.46	-170.75	-537.55	293.85	1,326.20	1,277.48	48.72	27.222		
6,400.00	6,077.93	6,287.82	6,238.71	39.88	25.87	-170.76	-549.21	298.84	1,348.03	1,298.51	49.51	27.225		
6,500.00	6,172.06	6,385.41	6,335.47	40.56	26.29	-170.77	-560.87	303.83	1,369.86	1,319.55	50.31	27.228		
6,600.00	6,266.20	6,483.00	6,432.23	41.25	26.70	-170.78	-572.53	308.82	1,391.69	1,340.58	51.11	27.230		
6,700.00	6,360.34	6,580.59	6,528.99	41.93	27.11	-170.80	-584.20	313.81	1,413.52	1,361.62	51.90	27.233		
6,800.00	6,454.48	6,678.17	6,625.75	42.61	27.53	-170.81	-595.86	318.80	1,435.36	1,382.65	52.70	27.235		
6,900.00	6,548.61	6,775.76	6,722.51	43.29	27.94	-170.82	-607.52	323.79	1,457.19	1,403.69	53.50	27.238		
7,000.00	6,642.75	6,873.35	6,819.27	43.97	28.35	-170.83	-619.18	328.78	1,479.02	1,424.72	54.30	27.240		
7,100.00	6,736.89	6,970.94	6,916.03	44.65	28.77	-170.84	-630.85	333.76	1,500.85	1,445.76	55.09	27.242		
7,200.00	6,831.03	7,068.52	7,012.79	45.33	29.18	-170.85	-642.51	338.75	1,522.68	1,466.79	55.89	27.244		
7,300.00	6,925.17	7,166.11	7,109.55	46.02	29.59	-170.86	-654.17	343.74	1,544.52	1,487.83	56.69	27.246		
7,400.00	7,019.30	7,263.70	7,206.31	46.70	30.01	-170.87	-665.84	348.73	1,566.35	1,508.86	57.48	27.248		
7,500.00	7,113.44	7,361.29	7,303.07	47.38	30.42	-170.87	-677.50	353.72	1,588.18	1,529.90	58.28	27.250		
7,600.00	7,207.58	7,458.87	7,399.83	48.06	30.83	-170.88	-689.16	358.71	1,610.01	1,550.93	59.08	27.252		
7,700.00	7,301.72	7,556.67	7,498.07	48.74	31.27	-170.89	-701.10	363.70	1,631.78	1,571.83	59.95	27.219		
7,766.97	7,364.76	7,623.29	7,559.99	49.20	31.58	-170.17	-708.75	387.30	1,646.36	1,585.77	60.59	27.172		
7,800.00	7,395.79	7,654.16	7,588.81	49.43	31.73	-160.36	-712.35	397.74	1,653.57	1,592.66	60.92	27.145		
7,850.00	7,442.34	7,700.17	7,630.63	49.78	31.96	-147.16	-717.62	416.17	1,664.47	1,603.05	61.42	27.101		
7,900.00	7,488.07	7,745.42	7,670.18	50.13	32.20	-136.32	-722.66	437.53	1,675.24	1,613.31	61.93	27.049		
7,950.00	7,532.63	7,789.99	7,707.39	50.48	32.43	-127.63	-727.45	461.58	1,685.80	1,623.34	62.46	26.990		
8,000.00	7,575.69	7,833.96	7,742.15	50.84	32.67	-120.69	-731.99	488.09	1,696.05	1,633.05	63.00	26.921		
8,050.00	7,616.91	7,877.39	7,774.41	51.18	32.92	-115.08	-736.26	516.84	1,705.91	1,642.35	63.55	26.841		
8,100.00	7,655.99	7,920.35	7,804.09	51.53	33.18	-110.51	-740.25	547.63	1,715.29	1,651.16	64.13	26.748		
8,150.00	7,692.62	7,962.90	7,831.15	51.87	33.45	-106.73	-743.95	580.24	1,724.11	1,659.38	64.73	26.637		
8,200.00	7,726.53	8,005.08	7,855.53	52.21	33.72	-103.59	-747.35	614.48	1,732.30	1,666.95	65.35	26.508		
8,250.00	7,757.46	8,046.94	7,877.18	52.54	34.02	-100.97	-750.45	650.17	1,739.79	1,673.78	66.01	26.355		
8,300.00	7,785.17	8,088.52	7,896.07	52.87	34.33	-98.79	-753.23	687.10	1,746.52	1,679.80	66.72	26.177		
8,350.00	7,809.46	8,129.85	7,912.15	53.19	34.66	-96.99	-755.69	725.08	1,752.43	1,684.96	67.47	25.974		
8,400.00	7,830.13	8,170.97	7,925.42	53.51	35.01	-95.53	-757.83	763.93	1,757.47	1,689.21	68.26	25.745		
8,450.00	7,847.03	8,211.90	7,935.84	53.82	35.38	-94.37	-759.63	803.46	1,761.60	1,692.49	69.11	25.490		
8,500.00	7,860.04	8,252.66	7,943.40	54.14	35.78	-93.49	-761.10	843.48	1,764.79	1,694.79	70.00	25.210		
8,550.00	7,869.04	8,293.28	7,948.11	54.44	36.20	-92.88	-762.23	883.80	1,767.00	1,696.06	70.95	24.906		
8,600.00	7,873.98	8,333.78	7,949.97	54.75	36.64	-92.52	-763.02	924.24	1,768.23	1,696.30	71.93	24.582		
8,635.17	7,875.00	8,367.47	7,950.00	54.96	37.02	-92.44	-763.50	957.93	1,768.45	1,695.65	72.80	24.292		
8,700.00	7,875.00	8,432.29	7,950.00	55.36	37.81	-92.44	-764.41	1,022.75	1,768.28	1,693.71	74.57	23.712		
8,800.00	7,875.00	8,532.29	7,950.00	56.06	39.16	-92.44	-765.82	1,122.74	1,768.01	1,690.49	77.52	22.806		
8,900.00	7,875.00	8,632.29	7,950.00	56.85	40.65	-92.44	-767.22	1,222.73	1,767.75	1,687.02	80.73	21.898		
9,000.00	7,875.00	8,732.29	7,950.00	57.73	42.28	-92.44	-768.63	1,322.72	1,767.49	1,683.34	84.15	21.004		
9,100.00	7,875.00	8,832.29	7,950.00	58.72	44.02	-92.44	-770.04	1,422.71	1,767.22	1,679.45	87.77	20.134		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - PROSPER FARMS 4-65 14-13 2BH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,200.00	7,875.00	8,932.29	7,950.00	59.81	45.87	-92.44	-771.44	1,522.70	1,766.96	1,675.39	91.57	19.296		
9,300.00	7,875.00	9,032.29	7,950.00	61.00	47.80	-92.44	-772.85	1,622.68	1,766.70	1,671.18	95.52	18.496		
9,400.00	7,875.00	9,132.29	7,950.00	62.30	49.81	-92.44	-774.25	1,722.67	1,766.44	1,666.83	99.60	17.735		
9,500.00	7,875.00	9,232.29	7,950.00	63.70	51.88	-92.44	-775.66	1,822.66	1,766.17	1,662.37	103.80	17.015		
9,600.00	7,875.00	9,332.29	7,950.00	65.19	54.01	-92.44	-777.07	1,922.65	1,765.91	1,657.80	108.11	16.335		
9,700.00	7,875.00	9,432.29	7,950.00	66.78	56.20	-92.44	-778.47	2,022.64	1,765.65	1,653.14	112.51	15.694		
9,800.00	7,875.00	9,532.29	7,950.00	68.45	58.43	-92.44	-779.88	2,122.63	1,765.38	1,648.39	116.99	15.090		
9,900.00	7,875.00	9,632.29	7,950.00	70.20	60.69	-92.44	-781.29	2,222.62	1,765.12	1,643.58	121.54	14.522		
10,000.00	7,875.00	9,732.29	7,950.00	72.02	63.00	-92.44	-782.69	2,322.61	1,764.86	1,638.69	126.16	13.989		
10,100.00	7,875.00	9,832.29	7,950.00	73.91	65.33	-92.44	-784.10	2,422.60	1,764.59	1,633.75	130.84	13.486		
10,200.00	7,875.00	9,932.29	7,950.00	75.86	67.70	-92.44	-785.50	2,522.59	1,764.33	1,628.76	135.57	13.014		
10,300.00	7,875.00	10,032.29	7,950.00	77.87	70.08	-92.44	-786.91	2,622.58	1,764.07	1,623.72	140.35	12.569		
10,400.00	7,875.00	10,132.29	7,950.00	79.93	72.49	-92.44	-788.32	2,722.57	1,763.80	1,618.63	145.17	12.150		
10,500.00	7,875.00	10,232.29	7,950.00	82.03	74.92	-92.44	-789.72	2,822.56	1,763.54	1,613.51	150.03	11.755		
10,600.00	7,875.00	10,332.29	7,950.00	84.18	77.37	-92.44	-791.13	2,922.55	1,763.28	1,608.35	154.92	11.382		
10,700.00	7,875.00	10,432.29	7,950.00	86.36	79.83	-92.44	-792.53	3,022.54	1,763.01	1,603.17	159.85	11.029		
10,800.00	7,875.00	10,532.29	7,950.00	88.58	82.31	-92.45	-793.94	3,122.53	1,762.75	1,597.95	164.80	10.696		
10,900.00	7,875.00	10,632.29	7,950.00	90.83	84.81	-92.45	-795.35	3,222.52	1,762.49	1,592.71	169.78	10.381		
11,000.00	7,875.00	10,732.29	7,950.00	93.11	87.31	-92.45	-796.75	3,322.51	1,762.22	1,587.44	174.79	10.082		
11,100.00	7,875.00	10,832.29	7,950.00	95.41	89.83	-92.45	-798.16	3,422.50	1,761.96	1,582.15	179.81	9.799		
11,200.00	7,875.00	10,932.29	7,950.00	97.74	92.35	-92.45	-799.56	3,522.49	1,761.70	1,576.84	184.86	9.530		
11,300.00	7,875.00	11,032.29	7,950.00	100.09	94.89	-92.45	-800.97	3,622.48	1,761.44	1,571.51	189.92	9.275		
11,400.00	7,875.00	11,132.28	7,950.00	102.46	97.43	-92.45	-802.38	3,722.47	1,761.17	1,566.17	195.00	9.031		
11,500.00	7,875.00	11,232.28	7,950.00	104.84	99.99	-92.45	-803.78	3,822.46	1,760.91	1,560.81	200.10	8.800		
11,600.00	7,875.00	11,332.28	7,950.00	107.25	102.55	-92.45	-805.19	3,922.45	1,760.65	1,555.43	205.21	8.580		
11,700.00	7,875.00	11,432.28	7,950.00	109.67	105.11	-92.45	-806.60	4,022.44	1,760.38	1,550.04	210.34	8.369		
11,800.00	7,875.00	11,532.28	7,950.00	112.10	107.69	-92.45	-808.00	4,122.43	1,760.12	1,544.64	215.48	8.168		
11,900.00	7,875.00	11,632.28	7,950.00	114.55	110.27	-92.45	-809.41	4,222.42	1,759.86	1,539.23	220.63	7.977		
12,000.00	7,875.00	11,732.28	7,950.00	117.01	112.85	-92.45	-810.81	4,322.41	1,759.59	1,533.80	225.79	7.793		
12,100.00	7,875.00	11,832.28	7,950.00	119.48	115.44	-92.45	-812.22	4,422.40	1,759.33	1,528.37	230.96	7.617		
12,200.00	7,875.00	11,932.28	7,950.00	121.96	118.03	-92.45	-813.63	4,522.39	1,759.07	1,522.92	236.14	7.449		
12,300.00	7,875.00	12,032.28	7,950.00	124.46	120.63	-92.45	-815.03	4,622.38	1,758.80	1,517.47	241.33	7.288		
12,400.00	7,875.00	12,132.28	7,950.00	126.96	123.24	-92.45	-816.44	4,722.37	1,758.54	1,512.01	246.53	7.133		
12,500.00	7,875.00	12,232.28	7,950.00	129.47	125.84	-92.45	-817.84	4,822.36	1,758.28	1,506.54	251.74	6.985		
12,600.00	7,875.00	12,332.28	7,950.00	131.99	128.46	-92.45	-819.25	4,922.35	1,758.01	1,501.06	256.95	6.842		
12,700.00	7,875.00	12,432.28	7,950.00	134.51	131.07	-92.45	-820.66	5,022.34	1,757.75	1,495.58	262.17	6.705		
12,800.00	7,875.00	12,532.28	7,950.00	137.04	133.69	-92.45	-822.06	5,122.33	1,757.49	1,490.09	267.40	6.573		
12,900.00	7,875.00	12,632.28	7,950.00	139.58	136.31	-92.45	-823.47	5,222.32	1,757.23	1,484.60	272.63	6.445		
13,000.00	7,875.00	12,732.28	7,950.00	142.13	138.93	-92.45	-824.87	5,322.31	1,756.96	1,479.09	277.87	6.323		
13,100.00	7,875.00	12,832.28	7,950.00	144.68	141.56	-92.45	-826.28	5,422.30	1,756.70	1,473.59	283.11	6.205		
13,200.00	7,875.00	12,932.28	7,950.00	147.24	144.19	-92.45	-827.69	5,522.29	1,756.44	1,468.07	288.36	6.091		
13,300.00	7,875.00	13,032.28	7,950.00	149.80	146.82	-92.45	-829.09	5,622.28	1,756.17	1,462.56	293.62	5.981		
13,400.00	7,875.00	13,132.28	7,950.00	152.37	149.45	-92.45	-830.50	5,722.27	1,755.91	1,457.03	298.88	5.875		
13,500.00	7,875.00	13,232.28	7,950.00	154.94	152.09	-92.45	-831.91	5,822.26	1,755.65	1,451.51	304.14	5.773		
13,600.00	7,875.00	13,332.28	7,950.00	157.52	154.73	-92.46	-833.31	5,922.24	1,755.38	1,445.98	309.41	5.673		
13,700.00	7,875.00	13,432.28	7,950.00	160.10	157.37	-92.46	-834.72	6,022.23	1,755.12	1,440.44	314.68	5.578		
13,800.00	7,875.00	13,532.28	7,950.00	162.68	160.01	-92.46	-836.12	6,122.22	1,754.86	1,434.90	319.95	5.485		
13,900.00	7,875.00	13,632.28	7,950.00	165.27	162.65	-92.46	-837.53	6,222.21	1,754.59	1,429.36	325.23	5.395		
14,000.00	7,875.00	13,732.28	7,950.00	167.86	165.30	-92.46	-838.94	6,322.20	1,754.33	1,423.82	330.51	5.308		
14,100.00	7,875.00	13,832.28	7,950.00	170.46	167.94	-92.46	-840.34	6,422.19	1,754.07	1,418.27	335.80	5.224		
14,200.00	7,875.00	13,932.28	7,950.00	173.06	170.59	-92.46	-841.75	6,522.18	1,753.80	1,412.72	341.09	5.142		
14,300.00	7,875.00	14,032.27	7,950.00	175.66	173.24	-92.46	-843.15	6,622.17	1,753.54	1,407.16	346.38	5.062		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - PROSPER FARMS 4-65 14-13 2BH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,400.00	7,875.00	14,132.27	7,950.00	178.26	175.89	-92.46	-844.56	6,722.16	1,753.28	1,401.60	351.67	4.986		
14,500.00	7,875.00	14,232.27	7,950.00	180.87	178.54	-92.46	-845.97	6,822.15	1,753.01	1,396.04	356.97	4.911		
14,600.00	7,875.00	14,332.27	7,950.00	183.48	181.20	-92.46	-847.37	6,922.14	1,752.75	1,390.48	362.27	4.838		
14,700.00	7,875.00	14,432.27	7,950.00	186.09	183.85	-92.46	-848.78	7,022.13	1,752.49	1,384.91	367.57	4.768		
14,800.00	7,875.00	14,532.27	7,950.00	188.71	186.51	-92.46	-850.18	7,122.12	1,752.23	1,379.35	372.88	4.699		
14,900.00	7,875.00	14,632.27	7,950.00	191.33	189.17	-92.46	-851.59	7,222.11	1,751.96	1,373.78	378.19	4.633		
15,000.00	7,875.00	14,732.27	7,950.00	193.95	191.82	-92.46	-853.00	7,322.10	1,751.70	1,368.21	383.49	4.568		
15,100.00	7,875.00	14,832.27	7,950.00	196.57	194.48	-92.46	-854.40	7,422.09	1,751.44	1,362.63	388.81	4.505		
15,200.00	7,875.00	14,932.27	7,950.00	199.19	197.14	-92.46	-855.81	7,522.08	1,751.17	1,357.05	394.12	4.443		
15,300.00	7,875.00	15,032.27	7,950.00	201.82	199.80	-92.46	-857.22	7,622.07	1,750.91	1,351.48	399.43	4.383		
15,400.00	7,875.00	15,132.27	7,950.00	204.45	202.47	-92.46	-858.62	7,722.06	1,750.65	1,345.90	404.75	4.325		
15,500.00	7,875.00	15,232.27	7,950.00	207.08	205.13	-92.46	-860.03	7,822.05	1,750.38	1,340.32	410.07	4.269		
15,600.00	7,875.00	15,332.27	7,950.00	209.71	207.79	-92.46	-861.43	7,922.04	1,750.12	1,334.73	415.39	4.213		
15,700.00	7,875.00	15,432.27	7,950.00	212.34	210.46	-92.46	-862.84	8,022.03	1,749.86	1,329.15	420.71	4.159		
15,800.00	7,875.00	15,532.27	7,950.00	214.98	213.12	-92.46	-864.25	8,122.02	1,749.59	1,323.56	426.03	4.107		
15,900.00	7,875.00	15,632.27	7,950.00	217.61	215.79	-92.46	-865.65	8,222.01	1,749.33	1,317.97	431.36	4.055		
16,000.00	7,875.00	15,732.27	7,950.00	220.25	218.46	-92.46	-867.06	8,322.00	1,749.07	1,312.38	436.69	4.005		
16,100.00	7,875.00	15,832.27	7,950.00	222.89	221.12	-92.46	-868.46	8,421.99	1,748.80	1,306.79	442.01	3.956		
16,200.00	7,875.00	15,932.27	7,950.00	225.53	223.79	-92.46	-869.87	8,521.98	1,748.54	1,301.20	447.34	3.909		
16,300.00	7,875.00	16,032.27	7,950.00	228.17	226.46	-92.47	-871.28	8,621.97	1,748.28	1,295.61	452.67	3.862		
16,400.00	7,875.00	16,132.27	7,950.00	230.81	229.13	-92.47	-872.68	8,721.96	1,748.02	1,290.01	458.01	3.817		
16,500.00	7,875.00	16,232.27	7,950.00	233.46	231.80	-92.47	-874.09	8,821.95	1,747.75	1,284.41	463.34	3.772		
16,600.00	7,875.00	16,332.27	7,950.00	236.10	234.47	-92.47	-875.49	8,921.94	1,747.49	1,278.82	468.67	3.729		
16,700.00	7,875.00	16,432.27	7,950.00	238.75	237.14	-92.47	-876.90	9,021.93	1,747.23	1,273.22	474.01	3.686		
16,800.00	7,875.00	16,532.27	7,950.00	241.40	239.81	-92.47	-878.31	9,121.92	1,746.96	1,267.62	479.34	3.644		
16,900.00	7,875.00	16,632.27	7,950.00	244.05	242.49	-92.47	-879.71	9,221.91	1,746.70	1,262.02	484.68	3.604		
17,000.00	7,875.00	16,732.27	7,950.00	246.70	245.16	-92.47	-881.12	9,321.90	1,746.44	1,256.42	490.02	3.564		
17,100.00	7,875.00	16,832.27	7,950.00	249.35	247.83	-92.47	-882.52	9,421.89	1,746.17	1,250.81	495.36	3.525		
17,200.00	7,875.00	16,932.27	7,950.00	252.00	250.51	-92.47	-883.93	9,521.88	1,745.91	1,245.21	500.70	3.487		
17,300.00	7,875.00	17,032.26	7,950.00	254.65	253.18	-92.47	-885.34	9,621.87	1,745.65	1,239.61	506.04	3.450		
17,400.00	7,875.00	17,132.26	7,950.00	257.31	255.86	-92.47	-886.74	9,721.86	1,745.38	1,234.00	511.38	3.413		
17,500.00	7,875.00	17,232.26	7,950.00	259.96	258.53	-92.47	-888.15	9,821.85	1,745.12	1,228.39	516.73	3.377		
17,600.00	7,875.00	17,332.26	7,950.00	262.62	261.21	-92.47	-889.56	9,921.84	1,744.86	1,222.79	522.07	3.342		
17,700.00	7,875.00	17,432.26	7,950.00	265.27	263.88	-92.47	-890.96	10,021.83	1,744.59	1,217.18	527.42	3.308		
17,800.00	7,875.00	17,532.26	7,950.00	267.93	266.56	-92.47	-892.37	10,121.82	1,744.33	1,211.57	532.76	3.274		
17,900.00	7,875.00	17,632.26	7,950.00	270.59	269.23	-92.47	-893.77	10,221.80	1,744.07	1,205.96	538.11	3.241		
18,000.00	7,875.00	17,732.26	7,950.00	273.24	271.91	-92.47	-895.18	10,321.79	1,743.81	1,200.35	543.46	3.209		
18,100.00	7,875.00	17,832.26	7,950.00	275.90	274.59	-92.47	-896.59	10,421.78	1,743.54	1,194.74	548.80	3.177		
18,200.00	7,875.00	17,932.26	7,950.00	278.56	277.27	-92.47	-897.99	10,521.77	1,743.28	1,189.13	554.15	3.146		
18,300.00	7,875.00	18,032.26	7,950.00	281.22	279.94	-92.47	-899.40	10,621.76	1,743.02	1,183.51	559.50	3.115		
18,400.00	7,875.00	18,132.26	7,950.00	283.89	282.62	-92.47	-900.80	10,721.75	1,742.75	1,177.90	564.85	3.085		
18,500.00	7,875.00	18,232.26	7,950.00	286.55	285.30	-92.47	-902.21	10,821.74	1,742.49	1,172.29	570.20	3.056		
18,528.20	7,875.00	18,260.46	7,950.00	287.30	286.06	-92.47	-902.61	10,849.94	1,742.42	1,170.70	571.71	3.048 SF		
18,540.44	7,875.00	18,255.08	7,950.00	287.62	285.91	-92.47	-902.53	10,844.56	1,742.47	1,170.98	571.50	3.049		

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - PROSPER FARMS 4-65 14-13 3AH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.10	0.10	0.00	0.00	-0.16	100.18	-0.28	100.18					
100.00	100.00	100.10	100.10	0.13	0.13	-0.16	100.18	-0.28	100.18	99.91	0.27	372.116		
200.00	200.00	200.10	200.10	0.49	0.49	-0.16	100.18	-0.28	100.18	99.19	0.99	101.585		
250.00	250.00	250.10	250.10	0.67	0.67	-0.16	100.18	-0.28	100.18	98.83	1.34	74.503		
300.00	300.00	301.85	301.85	0.84	0.85	-171.32	99.72	-0.16	100.17	98.48	1.69	59.157		
400.00	399.93	405.35	405.27	1.18	1.20	-171.09	96.11	0.80	100.13	97.74	2.38	42.015		
500.00	499.68	508.84	508.48	1.54	1.57	-170.62	88.88	2.72	100.04	96.95	3.09	32.367		
600.00	599.13	612.31	611.34	1.91	1.96	-169.93	78.07	5.59	99.93	96.12	3.81	26.225		
700.00	698.15	715.75	713.70	2.31	2.38	-168.99	63.67	9.42	99.81	95.27	4.54	21.988		
800.00	796.63	819.16	815.43	2.74	2.83	-167.83	45.71	14.19	99.69	94.41	5.28	18.885		
818.03	814.32	837.81	833.69	2.82	2.91	-167.59	42.10	15.15	99.67	94.25	5.41	18.408 CC, ES		
900.00	894.44	919.62	913.81	3.20	3.29	-166.72	26.10	19.40	100.85	94.81	6.04	16.696		
1,000.00	991.46	1,019.50	1,011.63	3.70	3.76	-166.08	6.57	24.58	105.41	98.60	6.81	15.477		
1,100.00	1,087.58	1,119.18	1,109.24	4.24	4.24	-165.93	-12.93	29.76	113.35	105.75	7.60	14.917		
1,200.00	1,182.68	1,218.53	1,206.54	4.82	4.71	-166.16	-32.36	34.92	124.66	116.27	8.39	14.856		
1,235.78	1,216.44	1,253.98	1,241.25	5.04	4.89	-166.32	-39.29	36.77	129.52	120.85	8.68	14.926		
1,300.00	1,276.90	1,317.54	1,303.50	5.44	5.20	-166.66	-51.73	40.07	138.65	129.46	9.19	15.090		
1,400.00	1,371.03	1,416.52	1,400.43	6.08	5.68	-167.10	-71.08	45.21	152.86	142.87	9.98	15.310		
1,500.00	1,465.17	1,515.50	1,497.36	6.73	6.16	-167.46	-90.44	50.35	167.08	156.29	10.79	15.492		
1,600.00	1,559.31	1,614.48	1,594.29	7.38	6.65	-167.77	-109.80	55.49	181.30	169.71	11.59	15.644		
1,700.00	1,653.45	1,713.46	1,691.22	8.04	7.14	-168.03	-129.16	60.64	195.53	183.14	12.40	15.774		
1,800.00	1,747.59	1,812.43	1,788.15	8.70	7.63	-168.26	-148.52	65.78	209.77	196.56	13.20	15.886		
1,900.00	1,841.72	1,911.41	1,885.09	9.36	8.12	-168.45	-167.88	70.92	224.00	209.99	14.01	15.983		
2,000.00	1,935.86	2,010.39	1,982.02	10.03	8.61	-168.63	-187.24	76.06	238.24	223.41	14.83	16.069		
2,100.00	2,030.00	2,109.37	2,078.95	10.70	9.10	-168.78	-206.59	81.20	252.48	236.84	15.64	16.144		
2,200.00	2,124.14	2,208.35	2,175.88	11.37	9.59	-168.92	-225.95	86.35	266.72	250.27	16.45	16.211		
2,300.00	2,218.27	2,307.33	2,272.81	12.04	10.08	-169.05	-245.31	91.49	280.96	263.70	17.27	16.271		
2,400.00	2,312.41	2,406.31	2,369.74	12.71	10.57	-169.16	-264.67	96.63	295.21	277.13	18.08	16.324		
2,500.00	2,406.55	2,505.29	2,466.67	13.39	11.06	-169.26	-284.03	101.77	309.45	290.55	18.90	16.373		
2,600.00	2,500.69	2,604.26	2,563.60	14.06	11.56	-169.35	-303.39	106.91	323.70	303.98	19.72	16.417		
2,700.00	2,594.83	2,703.24	2,660.53	14.73	12.05	-169.44	-322.75	112.06	337.95	317.41	20.53	16.458		
2,800.00	2,688.96	2,802.22	2,757.46	15.41	12.54	-169.52	-342.10	117.20	352.20	330.84	21.35	16.495		
2,900.00	2,783.10	2,901.20	2,854.39	16.09	13.03	-169.59	-361.46	122.34	366.44	344.27	22.17	16.528		
3,000.00	2,877.24	3,000.18	2,951.33	16.76	13.53	-169.66	-380.82	127.48	380.69	357.70	22.99	16.560		
3,100.00	2,971.38	3,100.84	3,048.26	17.44	14.03	-169.72	-400.18	132.62	394.94	371.13	23.81	16.584		
3,200.00	3,065.52	3,201.86	3,145.19	18.12	14.53	-169.77	-419.54	137.77	409.19	384.55	24.64	16.606		
3,300.00	3,159.65	3,302.88	3,242.12	18.80	15.04	-169.83	-438.90	142.91	423.44	397.97	25.47	16.626		
3,400.00	3,253.79	3,403.91	3,339.05	19.47	15.54	-169.88	-458.25	148.05	437.69	411.39	26.30	16.644		
3,500.00	3,347.93	3,504.93	3,435.98	20.15	16.05	-169.93	-477.61	153.19	451.94	424.82	27.12	16.661		
3,600.00	3,442.07	3,605.95	3,532.91	20.83	16.55	-169.97	-496.97	158.33	466.19	438.24	27.95	16.678		
3,700.00	3,536.20	3,706.97	3,629.84	21.51	17.05	-170.01	-516.33	163.48	480.44	451.66	28.78	16.693		
3,800.00	3,630.34	3,807.99	3,726.77	22.19	17.56	-170.05	-535.69	168.62	494.70	465.09	29.61	16.707		
3,900.00	3,724.48	3,909.01	3,823.70	22.87	18.06	-170.09	-555.05	173.76	508.95	478.51	30.44	16.720		
4,000.00	3,818.62	3,989.97	3,920.63	23.55	18.47	-170.12	-574.41	178.90	523.20	492.01	31.19	16.775		
4,100.00	3,912.76	4,088.95	4,017.57	24.23	18.96	-170.16	-593.76	184.04	537.45	505.44	32.01	16.790		
4,200.00	4,006.89	4,187.92	4,114.50	24.91	19.46	-170.19	-613.12	189.19	551.70	518.87	32.83	16.805		
4,300.00	4,101.03	4,286.90	4,211.43	25.59	19.95	-170.22	-632.48	194.33	565.96	532.30	33.65	16.818		
4,400.00	4,195.17	4,385.88	4,308.36	26.27	20.44	-170.25	-651.84	199.47	580.21	545.73	34.47	16.831		
4,500.00	4,289.31	4,484.86	4,405.29	26.95	20.94	-170.27	-671.20	204.61	594.46	559.17	35.29	16.843		
4,600.00	4,383.44	4,583.84	4,502.22	27.63	21.43	-170.30	-690.56	209.76	608.71	572.60	36.12	16.855		
4,700.00	4,477.58	4,682.82	4,599.15	28.31	21.93	-170.32	-709.92	214.90	622.97	586.03	36.94	16.866		
4,800.00	4,571.72	4,781.80	4,696.08	28.99	22.42	-170.35	-729.27	220.04	637.22	599.46	37.76	16.876		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - PROSPER FARMS 4-65 14-13 3AH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,900.00	4,665.86	4,880.78	4,793.01	29.67	22.92	-170.37	-748.63	225.18	651.47	612.89	38.58	16.886		
5,000.00	4,760.00	4,979.75	4,889.94	30.35	23.41	-170.39	-767.99	230.32	665.72	626.32	39.40	16.896		
5,100.00	4,854.13	5,078.73	4,986.87	31.03	23.91	-170.41	-787.35	235.47	679.98	639.75	40.22	16.905		
5,200.00	4,948.27	5,177.71	5,083.80	31.71	24.40	-170.43	-806.71	240.61	694.23	653.19	41.05	16.913		
5,300.00	5,042.41	5,276.69	5,180.74	32.39	24.89	-170.45	-826.07	245.75	708.48	666.62	41.87	16.922		
5,400.00	5,136.55	5,375.67	5,277.67	33.07	25.39	-170.47	-845.43	250.89	722.74	680.05	42.69	16.930		
5,500.00	5,230.69	5,474.65	5,374.60	33.75	25.88	-170.48	-864.78	256.03	736.99	693.48	43.51	16.938		
5,600.00	5,324.82	5,573.63	5,471.53	34.43	26.38	-170.50	-884.14	261.18	751.25	706.91	44.33	16.945		
5,700.00	5,418.96	5,672.61	5,568.46	35.12	26.87	-170.52	-903.50	266.32	765.50	720.34	45.16	16.952		
5,800.00	5,513.10	5,771.58	5,665.39	35.80	27.37	-170.53	-922.86	271.46	779.75	733.77	45.98	16.959		
5,900.00	5,607.24	5,870.56	5,762.32	36.48	27.86	-170.55	-942.22	276.60	794.01	747.21	46.80	16.965		
6,000.00	5,701.37	5,969.54	5,859.25	37.16	28.36	-170.56	-961.58	281.74	808.26	760.64	47.62	16.972		
6,100.00	5,795.51	6,068.52	5,956.18	37.84	28.85	-170.58	-980.93	286.89	822.51	774.07	48.45	16.978		
6,200.00	5,889.65	6,167.50	6,053.11	38.52	29.35	-170.59	-1,000.29	292.03	836.77	787.50	49.27	16.984		
6,300.00	5,983.79	6,266.48	6,150.04	39.20	29.84	-170.60	-1,019.65	297.17	851.02	800.93	50.09	16.989		
6,400.00	6,077.93	6,365.46	6,246.98	39.88	30.34	-170.62	-1,039.01	302.31	865.28	814.36	50.91	16.995		
6,500.00	6,172.06	6,464.44	6,343.91	40.56	30.83	-170.63	-1,058.37	307.45	879.53	827.79	51.74	17.000		
6,600.00	6,266.20	6,563.41	6,440.84	41.25	31.33	-170.64	-1,077.73	312.60	893.78	841.22	52.56	17.005		
6,700.00	6,360.34	6,662.39	6,537.77	41.93	31.82	-170.65	-1,097.09	317.74	908.04	854.66	53.38	17.010		
6,800.00	6,454.48	6,761.37	6,634.70	42.61	32.32	-170.66	-1,116.44	322.88	922.29	868.09	54.21	17.015		
6,900.00	6,548.61	6,860.35	6,731.63	43.29	32.81	-170.67	-1,135.80	328.02	936.55	881.52	55.03	17.019		
7,000.00	6,642.75	6,959.33	6,828.56	43.97	33.31	-170.68	-1,155.16	333.16	950.80	894.95	55.85	17.024		
7,100.00	6,736.89	7,058.31	6,925.49	44.65	33.80	-170.69	-1,174.52	338.31	965.06	908.38	56.67	17.028		
7,200.00	6,831.03	7,157.29	7,022.42	45.33	34.30	-170.70	-1,193.88	343.45	979.31	921.81	57.50	17.032		
7,300.00	6,925.17	7,256.27	7,119.35	46.02	34.79	-170.71	-1,213.24	348.59	993.56	935.24	58.32	17.036		
7,400.00	7,019.30	7,355.24	7,216.28	46.70	35.29	-170.72	-1,232.60	353.73	1,007.82	948.67	59.14	17.040		
7,500.00	7,113.44	7,454.22	7,313.22	47.38	35.78	-170.73	-1,251.95	358.87	1,022.07	962.11	59.97	17.044		
7,600.00	7,207.58	7,553.13	7,409.70	48.06	36.29	-170.72	-1,271.27	368.02	1,036.33	975.48	60.84	17.033		
7,700.00	7,301.72	7,648.29	7,499.89	48.74	36.80	-169.48	-1,289.50	391.87	1,050.80	988.91	61.89	16.977		
7,766.97	7,364.76	7,707.55	7,553.61	49.20	37.13	-168.42	-1,300.45	414.31	1,061.02	998.34	62.68	16.928		
7,800.00	7,395.79	7,735.48	7,578.07	49.43	37.28	-158.54	-1,305.46	426.82	1,066.28	1,003.20	63.07	16.905		
7,850.00	7,442.34	7,776.97	7,613.23	49.78	37.52	-145.25	-1,312.70	447.61	1,074.39	1,010.72	63.67	16.874		
7,900.00	7,488.07	7,817.62	7,646.14	50.13	37.75	-134.32	-1,319.52	470.44	1,082.59	1,018.33	64.26	16.847		
7,950.00	7,532.63	7,857.52	7,676.83	50.48	37.98	-125.56	-1,325.91	495.13	1,090.79	1,025.96	64.84	16.824		
8,000.00	7,575.69	7,896.79	7,705.31	50.84	38.21	-118.55	-1,331.88	521.48	1,098.89	1,033.50	65.39	16.804		
8,050.00	7,616.91	7,935.48	7,731.57	51.18	38.44	-112.89	-1,337.43	549.34	1,106.79	1,040.85	65.94	16.785		
8,100.00	7,655.99	7,973.68	7,755.62	51.53	38.68	-108.27	-1,342.55	578.56	1,114.40	1,047.93	66.47	16.766		
8,150.00	7,692.62	8,011.45	7,777.47	51.87	38.92	-104.45	-1,347.25	609.00	1,121.65	1,054.66	66.99	16.745		
8,200.00	7,726.53	8,050.00	7,797.69	52.21	39.16	-101.26	-1,351.65	641.52	1,128.44	1,060.91	67.53	16.711		
8,250.00	7,757.46	8,085.90	7,814.55	52.54	39.40	-98.63	-1,355.36	672.99	1,134.71	1,066.70	68.01	16.685		
8,300.00	7,785.17	8,122.69	7,829.79	52.87	39.65	-96.42	-1,358.78	706.29	1,140.40	1,071.87	68.53	16.641		
8,350.00	7,809.46	8,159.24	7,842.81	53.19	39.91	-94.60	-1,361.76	740.30	1,145.44	1,076.37	69.07	16.585		
8,400.00	7,830.13	8,195.58	7,853.63	53.51	40.18	-93.12	-1,364.31	774.90	1,149.78	1,080.16	69.62	16.515		
8,450.00	7,847.03	8,231.77	7,862.24	53.82	40.46	-91.95	-1,366.42	809.98	1,153.38	1,083.17	70.21	16.427		
8,500.00	7,860.04	8,267.81	7,868.64	54.14	40.74	-91.06	-1,368.10	845.41	1,156.21	1,085.38	70.83	16.323		
8,550.00	7,869.04	8,303.76	7,872.83	54.44	41.04	-90.44	-1,369.34	881.08	1,158.23	1,086.74	71.49	16.202		
8,600.00	7,873.98	8,339.63	7,874.82	54.75	41.34	-90.09	-1,370.15	916.88	1,159.42	1,087.23	72.19	16.062		
8,635.17	7,875.00	8,369.08	7,875.00	54.96	41.60	-90.00	-1,370.52	946.33	1,159.73	1,086.87	72.86	15.918		
8,700.00	7,875.00	8,433.91	7,875.00	55.36	42.22	-90.00	-1,371.26	1,011.15	1,159.73	1,085.12	74.61	15.545		
8,800.00	7,875.00	8,533.91	7,875.00	56.06	43.28	-90.00	-1,372.40	1,111.14	1,159.73	1,082.21	77.52	14.961		
8,900.00	7,875.00	8,633.91	7,875.00	56.85	44.49	-90.00	-1,373.54	1,211.14	1,159.73	1,079.05	80.68	14.374		
9,000.00	7,875.00	8,733.91	7,875.00	57.73	45.84	-90.00	-1,374.69	1,311.13	1,159.73	1,075.66	84.08	13.794		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - PROSPER FARMS 4-65 14-13 3AH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,100.00	7,875.00	8,833.91	7,875.00	58.72	47.33	-90.00	-1,375.83	1,411.12	1,159.73	1,072.07	87.67	13.229		
9,200.00	7,875.00	8,933.91	7,875.00	59.81	48.93	-90.00	-1,376.97	1,511.12	1,159.73	1,068.30	91.44	12.683		
9,300.00	7,875.00	9,033.91	7,875.00	61.00	50.65	-90.00	-1,378.11	1,611.11	1,159.74	1,064.37	95.36	12.161		
9,400.00	7,875.00	9,133.91	7,875.00	62.30	52.46	-90.00	-1,379.25	1,711.10	1,159.74	1,060.31	99.43	11.664		
9,500.00	7,875.00	9,233.91	7,875.00	63.70	54.35	-90.00	-1,380.40	1,811.10	1,159.74	1,056.13	103.61	11.193		
9,600.00	7,875.00	9,333.91	7,875.00	65.19	56.33	-90.00	-1,381.54	1,911.09	1,159.74	1,051.84	107.90	10.748		
9,700.00	7,875.00	9,433.91	7,875.00	66.78	58.37	-90.00	-1,382.68	2,011.08	1,159.74	1,047.45	112.28	10.329		
9,800.00	7,875.00	9,533.91	7,875.00	68.45	60.46	-90.00	-1,383.82	2,111.08	1,159.74	1,042.99	116.75	9.933		
9,900.00	7,875.00	9,633.91	7,875.00	70.20	62.61	-90.00	-1,384.96	2,211.07	1,159.74	1,038.44	121.30	9.561		
10,000.00	7,875.00	9,733.91	7,875.00	72.02	64.81	-90.00	-1,386.11	2,311.06	1,159.74	1,033.83	125.91	9.211		
10,100.00	7,875.00	9,833.91	7,875.00	73.91	67.05	-90.00	-1,387.25	2,411.06	1,159.74	1,029.16	130.58	8.882		
10,200.00	7,875.00	9,933.91	7,875.00	75.86	69.32	-90.00	-1,388.39	2,511.05	1,159.74	1,024.44	135.30	8.572		
10,300.00	7,875.00	10,033.91	7,875.00	77.87	71.62	-90.00	-1,389.53	2,611.04	1,159.74	1,019.67	140.07	8.280		
10,400.00	7,875.00	10,133.91	7,875.00	79.93	73.96	-90.00	-1,390.67	2,711.04	1,159.74	1,014.86	144.89	8.004		
10,500.00	7,875.00	10,233.91	7,875.00	82.03	76.32	-90.00	-1,391.82	2,811.03	1,159.74	1,010.00	149.74	7.745		
10,600.00	7,875.00	10,333.91	7,875.00	84.18	78.70	-90.00	-1,392.96	2,911.03	1,159.75	1,005.11	154.63	7.500		
10,700.00	7,875.00	10,433.91	7,875.00	86.36	81.10	-90.00	-1,394.10	3,011.02	1,159.75	1,000.19	159.55	7.269		
10,800.00	7,875.00	10,533.91	7,875.00	88.58	83.53	-90.00	-1,395.24	3,111.01	1,159.75	995.24	164.50	7.050		
10,900.00	7,875.00	10,633.91	7,875.00	90.83	85.97	-90.00	-1,396.38	3,211.01	1,159.75	990.27	169.48	6.843		
11,000.00	7,875.00	10,733.91	7,875.00	93.11	88.42	-90.00	-1,397.53	3,311.00	1,159.75	985.27	174.48	6.647		
11,100.00	7,875.00	10,833.91	7,875.00	95.41	90.90	-90.00	-1,398.67	3,410.99	1,159.75	980.24	179.51	6.461		
11,200.00	7,875.00	10,933.91	7,875.00	97.74	93.38	-90.00	-1,399.81	3,510.99	1,159.75	975.20	184.55	6.284		
11,300.00	7,875.00	11,033.91	7,875.00	100.09	95.88	-90.00	-1,400.95	3,610.98	1,159.75	970.13	189.62	6.116		
11,400.00	7,875.00	11,133.91	7,875.00	102.46	98.38	-90.00	-1,402.09	3,710.97	1,159.75	965.05	194.70	5.957		
11,500.00	7,875.00	11,233.91	7,875.00	104.84	100.90	-90.00	-1,403.24	3,810.97	1,159.75	959.96	199.80	5.805		
11,600.00	7,875.00	11,333.91	7,875.00	107.25	103.43	-90.00	-1,404.38	3,910.96	1,159.75	954.84	204.91	5.660		
11,700.00	7,875.00	11,433.91	7,875.00	109.67	105.96	-90.00	-1,405.52	4,010.95	1,159.75	949.72	210.03	5.522		
11,800.00	7,875.00	11,533.91	7,875.00	112.10	108.50	-90.00	-1,406.66	4,110.95	1,159.75	944.58	215.17	5.390		
11,900.00	7,875.00	11,633.91	7,875.00	114.55	111.05	-90.00	-1,407.80	4,210.94	1,159.75	939.43	220.33	5.264		
12,000.00	7,875.00	11,733.91	7,875.00	117.01	113.61	-90.00	-1,408.95	4,310.93	1,159.76	934.27	225.49	5.143		
12,100.00	7,875.00	11,833.91	7,875.00	119.48	116.18	-90.00	-1,410.09	4,410.93	1,159.76	929.10	230.66	5.028		
12,200.00	7,875.00	11,933.91	7,875.00	121.96	118.75	-90.00	-1,411.23	4,510.92	1,159.76	923.91	235.84	4.917		
12,300.00	7,875.00	12,033.91	7,875.00	124.46	121.32	-90.00	-1,412.37	4,610.91	1,159.76	918.72	241.03	4.812		
12,400.00	7,875.00	12,133.91	7,875.00	126.96	123.90	-90.00	-1,413.51	4,710.91	1,159.76	913.52	246.23	4.710		
12,500.00	7,875.00	12,233.91	7,875.00	129.47	126.49	-90.00	-1,414.66	4,810.90	1,159.76	908.32	251.44	4.612		
12,600.00	7,875.00	12,333.91	7,875.00	131.99	129.08	-90.00	-1,415.80	4,910.89	1,159.76	903.10	256.66	4.519		
12,700.00	7,875.00	12,433.91	7,875.00	134.51	131.67	-90.00	-1,416.94	5,010.89	1,159.76	897.88	261.88	4.429		
12,800.00	7,875.00	12,533.91	7,875.00	137.04	134.27	-90.00	-1,418.08	5,110.88	1,159.76	892.65	267.11	4.342		
12,900.00	7,875.00	12,633.91	7,875.00	139.58	136.88	-90.00	-1,419.22	5,210.88	1,159.76	887.42	272.34	4.258		
13,000.00	7,875.00	12,733.91	7,875.00	142.13	139.48	-90.00	-1,420.37	5,310.87	1,159.76	882.18	277.59	4.178		
13,100.00	7,875.00	12,833.91	7,875.00	144.68	142.09	-90.00	-1,421.51	5,410.86	1,159.76	876.93	282.83	4.101		
13,200.00	7,875.00	12,933.91	7,875.00	147.24	144.71	-90.00	-1,422.65	5,510.86	1,159.76	871.68	288.08	4.026		
13,300.00	7,875.00	13,033.91	7,875.00	149.80	147.32	-90.00	-1,423.79	5,610.85	1,159.77	866.42	293.34	3.954		
13,400.00	7,875.00	13,133.91	7,875.00	152.37	149.94	-90.00	-1,424.93	5,710.84	1,159.77	861.16	298.60	3.884		
13,500.00	7,875.00	13,233.91	7,875.00	154.94	152.56	-90.00	-1,426.08	5,810.84	1,159.77	855.90	303.87	3.817		
13,600.00	7,875.00	13,333.91	7,875.00	157.52	155.19	-90.00	-1,427.22	5,910.83	1,159.77	850.63	309.14	3.752		
13,700.00	7,875.00	13,433.91	7,875.00	160.10	157.81	-90.00	-1,428.36	6,010.82	1,159.77	845.35	314.42	3.689		
13,800.00	7,875.00	13,533.91	7,875.00	162.68	160.44	-90.00	-1,429.50	6,110.82	1,159.77	840.08	319.69	3.628		
13,900.00	7,875.00	13,633.91	7,875.00	165.27	163.07	-90.00	-1,430.64	6,210.81	1,159.77	834.79	324.98	3.569		
14,000.00	7,875.00	13,733.91	7,875.00	167.86	165.71	-90.00	-1,431.79	6,310.80	1,159.77	829.51	330.26	3.512		
14,100.00	7,875.00	13,833.91	7,875.00	170.46	168.34	-90.00	-1,432.93	6,410.80	1,159.77	824.22	335.55	3.456		
14,200.00	7,875.00	13,933.91	7,875.00	173.06	170.98	-90.00	-1,434.07	6,510.79	1,159.77	818.93	340.84	3.403		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - PROSPER FARMS 4-65 14-13 3AH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,875.00	14,033.91	7,875.00	175.66	173.62	-90.00	-1,435.21	6,610.78	1,159.77	813.64	346.14	3.351		
14,400.00	7,875.00	14,133.91	7,875.00	178.26	176.26	-90.00	-1,436.35	6,710.78	1,159.77	808.34	351.43	3.300		
14,500.00	7,875.00	14,233.91	7,875.00	180.87	178.90	-90.00	-1,437.50	6,810.77	1,159.77	803.04	356.73	3.251		
14,600.00	7,875.00	14,333.91	7,875.00	183.48	181.54	-90.00	-1,438.64	6,910.76	1,159.78	797.74	362.04	3.203		
14,700.00	7,875.00	14,433.91	7,875.00	186.09	184.19	-90.00	-1,439.78	7,010.76	1,159.78	792.43	367.34	3.157		
14,800.00	7,875.00	14,533.91	7,875.00	188.71	186.84	-90.00	-1,440.92	7,110.75	1,159.78	787.12	372.65	3.112		
14,900.00	7,875.00	14,633.91	7,875.00	191.33	189.48	-90.00	-1,442.06	7,210.74	1,159.78	781.82	377.96	3.069		
15,000.00	7,875.00	14,733.91	7,875.00	193.95	192.13	-90.00	-1,443.21	7,310.74	1,159.78	776.50	383.27	3.026		
15,100.00	7,875.00	14,833.91	7,875.00	196.57	194.78	-90.00	-1,444.35	7,410.73	1,159.78	771.19	388.59	2.985		
15,200.00	7,875.00	14,933.91	7,875.00	199.19	197.44	-90.00	-1,445.49	7,510.73	1,159.78	765.87	393.91	2.944		
15,300.00	7,875.00	15,033.91	7,875.00	201.82	200.09	-90.00	-1,446.63	7,610.72	1,159.78	760.56	399.22	2.905		
15,400.00	7,875.00	15,133.91	7,875.00	204.45	202.74	-90.00	-1,447.77	7,710.71	1,159.78	755.24	404.55	2.867		
15,500.00	7,875.00	15,233.91	7,875.00	207.08	205.40	-90.00	-1,448.92	7,810.71	1,159.78	749.91	409.87	2.830		
15,600.00	7,875.00	15,333.91	7,875.00	209.71	208.06	-90.00	-1,450.06	7,910.70	1,159.78	744.59	415.19	2.793		
15,700.00	7,875.00	15,433.91	7,875.00	212.34	210.71	-90.00	-1,451.20	8,010.69	1,159.78	739.27	420.52	2.758		
15,800.00	7,875.00	15,533.91	7,875.00	214.98	213.37	-90.00	-1,452.34	8,110.69	1,159.78	733.94	425.84	2.723		
15,900.00	7,875.00	15,633.91	7,875.00	217.61	216.03	-90.00	-1,453.48	8,210.68	1,159.78	728.61	431.17	2.690		
16,000.00	7,875.00	15,733.91	7,875.00	220.25	218.69	-90.00	-1,454.63	8,310.67	1,159.79	723.28	436.50	2.657		
16,100.00	7,875.00	15,833.91	7,875.00	222.89	221.35	-90.00	-1,455.77	8,410.67	1,159.79	717.95	441.84	2.625		
16,200.00	7,875.00	15,933.91	7,875.00	225.53	224.01	-90.00	-1,456.91	8,510.66	1,159.79	712.62	447.17	2.594		
16,300.00	7,875.00	16,033.91	7,875.00	228.17	226.68	-90.00	-1,458.05	8,610.65	1,159.79	707.28	452.50	2.563		
16,400.00	7,875.00	16,133.91	7,875.00	230.81	229.34	-90.00	-1,459.19	8,710.65	1,159.79	701.95	457.84	2.533		
16,500.00	7,875.00	16,233.91	7,875.00	233.46	232.00	-90.00	-1,460.34	8,810.64	1,159.79	696.61	463.18	2.504		
16,600.00	7,875.00	16,333.91	7,875.00	236.10	234.67	-90.00	-1,461.48	8,910.63	1,159.79	691.28	468.51	2.475		
16,700.00	7,875.00	16,433.91	7,875.00	238.75	237.33	-90.00	-1,462.62	9,010.63	1,159.79	685.94	473.85	2.448		
16,800.00	7,875.00	16,533.91	7,875.00	241.40	240.00	-90.00	-1,463.76	9,110.62	1,159.79	680.60	479.19	2.420		
16,900.00	7,875.00	16,633.91	7,875.00	244.05	242.67	-90.00	-1,464.90	9,210.61	1,159.79	675.26	484.54	2.394		
17,000.00	7,875.00	16,733.91	7,875.00	246.70	245.33	-90.00	-1,466.05	9,310.61	1,159.79	669.91	489.88	2.368		
17,100.00	7,875.00	16,833.91	7,875.00	249.35	248.00	-90.00	-1,467.19	9,410.60	1,159.79	664.57	495.22	2.342		
17,200.00	7,875.00	16,933.91	7,875.00	252.00	250.67	-90.00	-1,468.33	9,510.59	1,159.79	659.23	500.57	2.317		
17,300.00	7,875.00	17,033.91	7,875.00	254.65	253.34	-90.00	-1,469.47	9,610.59	1,159.80	653.88	505.91	2.292		
17,400.00	7,875.00	17,133.91	7,875.00	257.31	256.01	-90.00	-1,470.61	9,710.58	1,159.80	648.54	511.26	2.269		
17,500.00	7,875.00	17,233.91	7,875.00	259.96	258.68	-90.00	-1,471.76	9,810.58	1,159.80	643.19	516.61	2.245		
17,600.00	7,875.00	17,333.91	7,875.00	262.62	261.35	-90.00	-1,472.90	9,910.57	1,159.80	637.84	521.95	2.222		
17,700.00	7,875.00	17,433.91	7,875.00	265.27	264.02	-90.00	-1,474.04	10,010.56	1,159.80	632.49	527.30	2.199		
17,800.00	7,875.00	17,533.91	7,875.00	267.93	266.69	-90.00	-1,475.18	10,110.56	1,159.80	627.15	532.65	2.177		
17,900.00	7,875.00	17,633.91	7,875.00	270.59	269.36	-90.00	-1,476.32	10,210.55	1,159.80	621.80	538.00	2.156		
18,000.00	7,875.00	17,733.91	7,875.00	273.24	272.04	-90.00	-1,477.47	10,310.54	1,159.80	616.44	543.36	2.135		
18,100.00	7,875.00	17,833.91	7,875.00	275.90	274.71	-90.00	-1,478.61	10,410.54	1,159.80	611.09	548.71	2.114		
18,200.00	7,875.00	17,933.91	7,875.00	278.56	277.38	-90.00	-1,479.75	10,510.53	1,159.80	605.74	554.06	2.093		
18,300.00	7,875.00	18,033.91	7,875.00	281.22	280.06	-90.00	-1,480.89	10,610.52	1,159.80	600.39	559.41	2.073		
18,400.00	7,875.00	18,133.91	7,875.00	283.89	282.73	-90.00	-1,482.03	10,710.52	1,159.80	595.03	564.77	2.054		
18,500.00	7,875.00	18,233.91	7,875.00	286.55	285.41	-90.00	-1,483.18	10,810.51	1,159.80	589.68	570.12	2.034		
18,500.78	7,875.00	18,234.69	7,875.00	286.57	285.43	-90.00	-1,483.18	10,811.29	1,159.80	589.64	570.17	2.034		
18,540.44	7,875.00	18,265.67	7,875.00	287.62	286.26	-90.00	-1,483.54	10,842.27	1,159.84	588.12	571.72	2.029 SF		

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - PROSPER FARMS 4-65 14-13 3BH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.10	0.10	0.00	0.00	-0.32	49.91	-0.28	49.91					
100.00	100.00	100.10	100.10	0.13	0.13	-0.32	49.91	-0.28	49.91	49.64	0.27	185.392		
200.00	200.00	200.10	200.10	0.49	0.49	-0.32	49.91	-0.28	49.91	48.92	0.99	50.610		
250.00	250.00	250.10	250.10	0.67	0.67	-0.32	49.91	-0.28	49.91	48.57	1.34	37.118		
300.00	300.00	300.97	300.97	0.84	0.85	-171.49	49.46	-0.19	49.90	48.21	1.69	29.525		
400.00	399.93	402.71	402.64	1.18	1.19	-171.32	45.92	0.50	49.86	47.49	2.37	21.008		
500.00	499.68	504.45	504.11	1.54	1.56	-170.98	38.83	1.89	49.79	46.71	3.08	16.189		
600.00	599.13	606.18	605.26	1.91	1.94	-170.46	28.21	3.96	49.68	45.89	3.79	13.122		
700.00	698.15	707.90	705.95	2.31	2.35	-169.77	14.07	6.73	49.55	45.04	4.51	10.995		
800.00	796.63	809.61	806.06	2.74	2.79	-168.90	-3.56	10.18	49.39	44.15	5.24	9.433		
900.00	894.44	911.30	905.45	3.20	3.26	-167.85	-24.67	14.30	49.21	43.24	5.98	8.233		
1,000.00	991.46	1,012.98	1,003.99	3.70	3.77	-166.63	-49.22	19.10	49.03	42.30	6.74	7.279		
1,018.82	1,009.62	1,032.02	1,022.35	3.80	3.87	-166.38	-54.19	20.08	49.00	42.12	6.89	7.116 CC		
1,100.00	1,087.58	1,113.19	1,100.55	4.24	4.30	-165.67	-75.53	24.25	50.12	42.59	7.53	6.655		
1,200.00	1,182.68	1,213.09	1,196.80	4.82	4.85	-165.70	-101.78	29.38	54.57	46.23	8.34	6.542		
1,235.78	1,216.44	1,248.79	1,231.20	5.04	5.05	-165.92	-111.16	31.22	56.98	48.35	8.63	6.601		
1,300.00	1,276.90	1,312.83	1,292.90	5.44	5.40	-166.37	-128.00	34.51	61.71	52.55	9.15	6.741		
1,400.00	1,371.03	1,412.56	1,388.98	6.08	5.96	-166.95	-154.21	39.64	69.06	59.09	9.97	6.927		
1,500.00	1,465.17	1,512.29	1,485.07	6.73	6.52	-167.42	-180.42	44.76	76.43	65.64	10.79	7.083		
1,600.00	1,559.31	1,612.01	1,581.15	7.38	7.09	-167.80	-206.63	49.89	83.79	72.18	11.61	7.215		
1,700.00	1,653.45	1,711.74	1,677.24	8.04	7.66	-168.12	-232.84	55.01	91.16	78.72	12.44	7.328		
1,800.00	1,747.59	1,811.47	1,773.32	8.70	8.23	-168.40	-259.06	60.14	98.54	85.27	13.27	7.425		
1,900.00	1,841.72	1,911.19	1,869.40	9.36	8.80	-168.64	-285.27	65.27	105.91	91.81	14.10	7.510		
2,000.00	1,935.86	2,010.92	1,965.49	10.03	9.37	-168.84	-311.48	70.39	113.29	98.35	14.94	7.585		
2,100.00	2,030.00	2,110.65	2,061.57	10.70	9.95	-169.02	-337.69	75.52	120.66	104.90	15.77	7.652		
2,200.00	2,124.14	2,210.37	2,157.65	11.37	10.52	-169.18	-363.90	80.64	128.04	111.44	16.61	7.711		
2,300.00	2,218.27	2,310.10	2,253.74	12.04	11.10	-169.32	-390.12	85.77	135.42	117.98	17.44	7.764		
2,400.00	2,312.41	2,409.83	2,349.82	12.71	11.67	-169.45	-416.33	90.90	142.80	124.52	18.28	7.812		
2,500.00	2,406.55	2,509.55	2,445.91	13.39	12.25	-169.57	-442.54	96.02	150.18	131.06	19.12	7.855		
2,600.00	2,500.69	2,609.28	2,541.99	14.06	12.83	-169.67	-468.75	101.15	157.57	137.61	19.96	7.895		
2,700.00	2,594.83	2,709.01	2,638.07	14.73	13.41	-169.77	-494.96	106.27	164.95	144.15	20.80	7.931		
2,800.00	2,688.96	2,808.74	2,734.16	15.41	13.98	-169.85	-521.17	111.40	172.33	150.69	21.64	7.964		
2,900.00	2,783.10	2,908.46	2,830.24	16.09	14.56	-169.93	-547.39	116.53	179.71	157.23	22.48	7.994		
3,000.00	2,877.24	3,008.19	2,926.33	16.76	15.14	-170.01	-573.60	121.65	187.10	163.77	23.32	8.023		
3,100.00	2,971.38	3,107.92	3,022.41	17.44	15.72	-170.07	-599.81	126.78	194.48	170.32	24.16	8.049		
3,200.00	3,065.52	3,207.64	3,118.49	18.12	16.30	-170.14	-626.02	131.90	201.86	176.86	25.00	8.073		
3,300.00	3,159.65	3,307.37	3,214.58	18.80	16.88	-170.19	-652.23	137.03	209.25	183.40	25.85	8.095		
3,400.00	3,253.79	3,407.10	3,310.66	19.47	17.46	-170.25	-678.45	142.16	216.63	189.94	26.69	8.116		
3,500.00	3,347.93	3,506.82	3,406.74	20.15	18.04	-170.30	-704.66	147.28	224.01	196.48	27.53	8.136		
3,600.00	3,442.07	3,606.55	3,502.83	20.83	18.62	-170.35	-730.87	152.41	231.40	203.02	28.38	8.155		
3,700.00	3,536.20	3,706.28	3,598.91	21.51	19.20	-170.39	-757.08	157.53	238.78	209.56	29.22	8.172		
3,800.00	3,630.34	3,806.00	3,695.00	22.19	19.78	-170.43	-783.29	162.66	246.17	216.10	30.06	8.188		
3,900.00	3,724.48	3,905.73	3,791.08	22.87	20.36	-170.47	-809.50	167.79	253.55	222.64	30.91	8.204		
4,000.00	3,818.62	4,005.46	3,887.16	23.55	20.94	-170.51	-835.72	172.91	260.94	229.19	31.75	8.218		
4,100.00	3,912.76	4,105.18	3,983.25	24.23	21.52	-170.55	-861.93	178.04	268.32	235.73	32.59	8.232		
4,200.00	4,006.89	4,204.91	4,079.33	24.91	22.10	-170.58	-888.14	183.16	275.71	242.27	33.44	8.245		
4,300.00	4,101.03	4,304.64	4,175.42	25.59	22.68	-170.61	-914.35	188.29	283.09	248.81	34.28	8.257		
4,400.00	4,195.17	4,404.36	4,271.50	26.27	23.26	-170.64	-940.56	193.42	290.48	255.35	35.13	8.269		
4,500.00	4,289.31	4,504.09	4,367.58	26.95	23.84	-170.67	-966.77	198.54	297.86	261.89	35.97	8.280		
4,600.00	4,383.44	4,603.82	4,463.67	27.63	24.42	-170.70	-992.99	203.67	305.25	268.43	36.82	8.291		
4,700.00	4,477.58	4,703.54	4,559.75	28.31	25.01	-170.72	-1,019.20	208.79	312.63	274.97	37.66	8.301		
4,800.00	4,571.72	4,803.27	4,655.83	28.99	25.59	-170.75	-1,045.41	213.92	320.02	281.51	38.51	8.311		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - PROSPER FARMS 4-65 14-13 3BH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,900.00	4,665.86	4,903.00	4,751.92	29.67	26.17	-170.77	-1,071.62	219.05	327.40	288.05	39.35	8.320		
5,000.00	4,760.00	5,002.72	4,848.00	30.35	26.75	-170.79	-1,097.83	224.17	334.79	294.59	40.20	8.329		
5,100.00	4,854.13	5,102.45	4,944.09	31.03	27.33	-170.81	-1,124.05	229.30	342.17	301.13	41.04	8.337		
5,200.00	4,948.27	5,202.18	5,040.17	31.71	27.91	-170.84	-1,150.26	234.42	349.56	307.67	41.89	8.345		
5,300.00	5,042.41	5,301.91	5,136.25	32.39	28.49	-170.86	-1,176.47	239.55	356.95	314.21	42.73	8.353		
5,400.00	5,136.55	5,401.63	5,232.34	33.07	29.07	-170.87	-1,202.68	244.68	364.33	320.75	43.58	8.360		
5,500.00	5,230.69	5,501.36	5,328.42	33.75	29.66	-170.89	-1,228.89	249.80	371.72	327.29	44.42	8.368		
5,600.00	5,324.82	5,601.09	5,424.51	34.43	30.24	-170.91	-1,255.10	254.93	379.10	333.83	45.27	8.375		
5,700.00	5,418.96	5,700.81	5,520.59	35.12	30.82	-170.93	-1,281.32	260.05	386.49	340.37	46.11	8.381		
5,800.00	5,513.10	5,800.54	5,616.67	35.80	31.40	-170.94	-1,307.53	265.18	393.87	346.91	46.96	8.387		
5,900.00	5,607.24	5,900.27	5,712.76	36.48	31.98	-170.96	-1,333.74	270.31	401.26	353.46	47.81	8.394		
6,000.00	5,701.37	5,999.99	5,808.84	37.16	32.56	-170.97	-1,359.95	275.43	408.65	360.00	48.65	8.400		
6,100.00	5,795.51	6,100.28	5,904.92	37.84	33.15	-170.99	-1,386.16	280.56	416.03	366.53	49.50	8.405		
6,200.00	5,889.65	6,200.55	6,001.01	38.52	33.73	-171.00	-1,412.38	285.68	423.42	373.07	50.35	8.410		
6,300.00	5,983.79	6,300.83	6,097.09	39.20	34.32	-171.02	-1,438.59	290.81	430.80	379.61	51.20	8.415		
6,400.00	6,077.93	6,401.10	6,193.18	39.88	34.90	-171.03	-1,464.80	295.94	438.19	386.15	52.04	8.420		
6,500.00	6,172.06	6,501.37	6,289.26	40.56	35.49	-171.04	-1,491.01	301.06	445.58	392.69	52.89	8.424		
6,600.00	6,266.20	6,598.35	6,385.34	41.25	36.05	-171.05	-1,517.22	306.19	452.96	399.24	53.73	8.431		
6,700.00	6,360.34	6,701.92	6,481.43	41.93	36.66	-171.07	-1,543.43	311.31	460.35	405.76	54.59	8.433		
6,800.00	6,454.48	6,797.81	6,577.51	42.61	37.22	-171.08	-1,569.65	316.44	467.73	412.32	55.42	8.440		
6,900.00	6,548.61	6,902.47	6,673.59	43.29	37.83	-171.09	-1,595.86	321.57	475.12	418.84	56.28	8.441		
7,000.00	6,642.75	7,002.74	6,769.68	43.97	38.41	-171.10	-1,622.07	326.69	482.51	425.37	57.13	8.445		
7,100.00	6,736.89	7,103.01	6,865.76	44.65	39.00	-171.11	-1,648.28	331.82	489.89	431.91	57.98	8.449		
7,200.00	6,831.03	7,196.71	6,961.85	45.33	39.54	-171.12	-1,674.49	336.94	497.28	438.48	58.80	8.457		
7,300.00	6,925.17	7,303.56	7,057.93	46.02	40.17	-171.13	-1,700.71	342.07	504.67	444.99	59.68	8.457		
7,400.00	7,019.30	7,396.17	7,154.01	46.70	40.71	-171.14	-1,726.92	347.20	512.05	451.56	60.49	8.464		
7,500.00	7,113.44	7,495.90	7,250.10	47.38	41.29	-171.15	-1,753.13	352.32	519.44	458.10	61.34	8.468		
7,600.00	7,207.58	7,595.62	7,346.18	48.06	41.87	-171.16	-1,779.34	357.45	526.82	464.64	62.19	8.472		
7,700.00	7,301.72	7,695.43	7,442.33	48.74	42.45	-171.14	-1,805.57	362.79	534.21	471.17	63.04	8.474		
7,766.97	7,364.76	7,762.01	7,505.91	49.20	42.85	-170.54	-1,822.98	371.87	539.16	475.41	63.75	8.458		
7,800.00	7,395.79	7,794.32	7,536.29	49.43	43.05	-161.02	-1,831.33	379.02	541.63	477.49	64.14	8.444		
7,850.00	7,442.34	7,842.77	7,580.98	49.78	43.35	-148.26	-1,843.66	393.05	545.43	480.66	64.77	8.421		
7,900.00	7,488.07	7,890.69	7,623.89	50.13	43.65	-137.84	-1,855.54	410.71	549.23	483.83	65.40	8.398		
7,950.00	7,532.63	7,938.10	7,664.80	50.48	43.94	-129.57	-1,866.91	431.80	553.02	486.97	66.05	8.372		
8,000.00	7,575.69	7,985.05	7,703.49	50.84	44.23	-123.01	-1,877.72	456.06	556.74	490.04	66.70	8.346		
8,050.00	7,616.91	8,031.57	7,739.80	51.18	44.52	-117.79	-1,887.92	483.26	560.37	493.01	67.36	8.319		
8,100.00	7,655.99	8,077.69	7,773.58	51.53	44.81	-113.56	-1,897.45	513.16	563.86	495.85	68.01	8.291		
8,150.00	7,692.62	8,123.44	7,804.68	51.87	45.09	-110.12	-1,906.29	545.52	567.18	498.52	68.66	8.260		
8,200.00	7,726.53	8,168.87	7,832.99	52.21	45.38	-107.28	-1,914.39	580.10	570.30	500.98	69.32	8.227		
8,250.00	7,757.46	8,214.00	7,858.40	52.54	45.66	-104.93	-1,921.72	616.65	573.18	503.20	69.98	8.191		
8,300.00	7,785.17	8,258.86	7,880.83	52.87	45.94	-102.99	-1,928.27	654.94	575.79	505.15	70.64	8.151		
8,350.00	7,809.46	8,303.50	7,900.20	53.19	46.23	-101.39	-1,933.99	694.73	578.11	506.78	71.33	8.105		
8,400.00	7,830.13	8,347.93	7,916.45	53.51	46.52	-100.10	-1,938.89	735.78	580.10	508.07	72.03	8.054		
8,450.00	7,847.03	8,392.20	7,929.54	53.82	46.81	-99.08	-1,942.93	777.86	581.76	509.00	72.76	7.995		
8,500.00	7,860.04	8,436.32	7,939.43	54.14	47.10	-98.31	-1,946.11	820.74	583.06	509.54	73.52	7.930		
8,550.00	7,869.04	8,480.33	7,946.09	54.44	47.40	-97.77	-1,948.42	864.17	583.99	509.68	74.31	7.859		
8,600.00	7,873.98	8,524.26	7,949.50	54.75	47.71	-97.45	-1,949.85	907.93	584.54	509.40	75.13	7.780		
8,635.17	7,875.00	8,556.05	7,950.00	54.96	47.94	-97.36	-1,950.35	939.71	584.68	508.89	75.79	7.715		
8,700.00	7,875.00	8,620.87	7,950.00	55.36	48.42	-97.36	-1,951.09	1,004.53	584.68	507.19	77.49	7.545		
8,800.00	7,875.00	8,720.87	7,950.00	56.06	49.26	-97.36	-1,952.23	1,104.52	584.68	504.35	80.34	7.278		
8,900.00	7,875.00	8,820.87	7,950.00	56.85	50.23	-97.36	-1,953.37	1,204.52	584.68	501.26	83.42	7.009		
9,000.00	7,875.00	8,920.87	7,950.00	57.73	51.31	-97.36	-1,954.51	1,304.51	584.68	497.95	86.73	6.741		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - PROSPER FARMS 4-65 14-13 3BH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,100.00	7,875.00	9,020.87	7,950.00	58.72	52.52	-97.36	-1,955.66	1,404.50	584.68	494.45	90.23	6.480		
9,200.00	7,875.00	9,120.87	7,950.00	59.81	53.84	-97.36	-1,956.80	1,504.50	584.68	490.77	93.91	6.226		
9,300.00	7,875.00	9,220.87	7,950.00	61.00	55.28	-97.36	-1,957.94	1,604.49	584.68	486.94	97.74	5.982		
9,400.00	7,875.00	9,320.87	7,950.00	62.30	56.83	-97.36	-1,959.08	1,704.48	584.69	482.97	101.71	5.748		
9,500.00	7,875.00	9,420.87	7,950.00	63.70	58.48	-97.36	-1,960.23	1,804.48	584.69	478.88	105.80	5.526		
9,600.00	7,875.00	9,520.87	7,950.00	65.19	60.23	-97.36	-1,961.37	1,904.47	584.69	474.68	110.00	5.315		
9,700.00	7,875.00	9,620.87	7,950.00	66.78	62.05	-97.36	-1,962.51	2,004.46	584.69	470.39	114.30	5.116		
9,800.00	7,875.00	9,720.87	7,950.00	68.45	63.96	-97.36	-1,963.65	2,104.46	584.69	466.01	118.68	4.927		
9,900.00	7,875.00	9,820.87	7,950.00	70.20	65.92	-97.36	-1,964.80	2,204.45	584.69	461.55	123.13	4.748		
10,000.00	7,875.00	9,920.87	7,950.00	72.02	67.95	-97.36	-1,965.94	2,304.44	584.69	457.03	127.66	4.580		
10,100.00	7,875.00	10,020.87	7,950.00	73.91	70.04	-97.36	-1,967.08	2,404.44	584.69	452.44	132.24	4.421		
10,200.00	7,875.00	10,120.87	7,950.00	75.86	72.17	-97.36	-1,968.22	2,504.43	584.69	447.80	136.88	4.271		
10,300.00	7,875.00	10,220.87	7,950.00	77.87	74.34	-97.36	-1,969.37	2,604.42	584.69	443.11	141.58	4.130		
10,400.00	7,875.00	10,320.87	7,950.00	79.93	76.56	-97.36	-1,970.51	2,704.42	584.69	438.38	146.31	3.996		
10,500.00	7,875.00	10,420.87	7,950.00	82.03	78.81	-97.36	-1,971.65	2,804.41	584.69	433.60	151.09	3.870		
10,600.00	7,875.00	10,520.87	7,950.00	84.18	81.09	-97.36	-1,972.79	2,904.41	584.69	428.79	155.90	3.750		
10,700.00	7,875.00	10,620.87	7,950.00	86.36	83.40	-97.36	-1,973.93	3,004.40	584.69	423.94	160.75	3.637		
10,800.00	7,875.00	10,720.87	7,950.00	88.58	85.73	-97.36	-1,975.08	3,104.39	584.69	419.06	165.63	3.530		
10,900.00	7,875.00	10,820.87	7,950.00	90.83	88.09	-97.36	-1,976.22	3,204.39	584.69	414.16	170.54	3.429		
11,000.00	7,875.00	10,920.87	7,950.00	93.11	90.47	-97.36	-1,977.36	3,304.38	584.69	409.22	175.47	3.332		
11,100.00	7,875.00	11,020.87	7,950.00	95.41	92.87	-97.36	-1,978.50	3,404.37	584.69	404.27	180.42	3.241		
11,200.00	7,875.00	11,120.87	7,950.00	97.74	95.29	-97.36	-1,979.65	3,504.37	584.69	399.29	185.40	3.154		
11,300.00	7,875.00	11,220.87	7,950.00	100.09	97.72	-97.36	-1,980.79	3,604.36	584.69	394.29	190.40	3.071		
11,400.00	7,875.00	11,320.87	7,950.00	102.46	100.17	-97.36	-1,981.93	3,704.35	584.69	389.28	195.42	2.992		
11,500.00	7,875.00	11,420.87	7,950.00	104.84	102.63	-97.36	-1,983.07	3,804.35	584.69	384.24	200.45	2.917		
11,600.00	7,875.00	11,520.87	7,950.00	107.25	105.10	-97.36	-1,984.22	3,904.34	584.69	379.20	205.50	2.845		
11,700.00	7,875.00	11,620.87	7,950.00	109.67	107.59	-97.36	-1,985.36	4,004.33	584.69	374.13	210.56	2.777		
11,800.00	7,875.00	11,720.87	7,950.00	112.10	110.08	-97.36	-1,986.50	4,104.33	584.69	369.05	215.64	2.711		
11,900.00	7,875.00	11,820.87	7,950.00	114.55	112.59	-97.36	-1,987.64	4,204.32	584.69	363.96	220.73	2.649		
12,000.00	7,875.00	11,920.87	7,950.00	117.01	115.11	-97.36	-1,988.79	4,304.31	584.69	358.86	225.83	2.589		
12,100.00	7,875.00	12,020.87	7,950.00	119.48	117.63	-97.36	-1,989.93	4,404.31	584.70	353.75	230.95	2.532		
12,200.00	7,875.00	12,120.87	7,950.00	121.96	120.16	-97.36	-1,991.07	4,504.30	584.70	348.63	236.07	2.477		
12,300.00	7,875.00	12,220.87	7,950.00	124.46	122.70	-97.36	-1,992.21	4,604.29	584.70	343.49	241.20	2.424		
12,400.00	7,875.00	12,320.87	7,950.00	126.96	125.25	-97.36	-1,993.36	4,704.29	584.70	338.35	246.35	2.373		
12,500.00	7,875.00	12,420.87	7,950.00	129.47	127.80	-97.36	-1,994.50	4,804.28	584.70	333.20	251.50	2.325		
12,600.00	7,875.00	12,520.87	7,950.00	131.99	130.36	-97.36	-1,995.64	4,904.27	584.70	328.04	256.66	2.278		
12,700.00	7,875.00	12,620.87	7,950.00	134.51	132.92	-97.36	-1,996.78	5,004.27	584.70	322.87	261.82	2.233		
12,800.00	7,875.00	12,720.87	7,950.00	137.04	135.49	-97.36	-1,997.92	5,104.26	584.70	317.70	267.00	2.190		
12,900.00	7,875.00	12,820.87	7,950.00	139.58	138.07	-97.36	-1,999.07	5,204.26	584.70	312.52	272.18	2.148		
13,000.00	7,875.00	12,920.87	7,950.00	142.13	140.65	-97.36	-2,000.21	5,304.25	584.70	307.34	277.36	2.108		
13,100.00	7,875.00	13,020.87	7,950.00	144.68	143.23	-97.36	-2,001.35	5,404.24	584.70	302.14	282.56	2.069		
13,200.00	7,875.00	13,120.87	7,950.00	147.24	145.82	-97.36	-2,002.49	5,504.24	584.70	296.94	287.75	2.032		
13,300.00	7,875.00	13,220.87	7,950.00	149.80	148.41	-97.36	-2,003.64	5,604.23	584.70	291.74	292.96	1.996		
13,400.00	7,875.00	13,320.87	7,950.00	152.37	151.01	-97.36	-2,004.78	5,704.22	584.70	286.53	298.17	1.961		
13,500.00	7,875.00	13,420.87	7,950.00	154.94	153.61	-97.36	-2,005.92	5,804.22	584.70	281.32	303.38	1.927		
13,600.00	7,875.00	13,520.87	7,950.00	157.52	156.21	-97.36	-2,007.06	5,904.21	584.70	276.10	308.60	1.895		
13,700.00	7,875.00	13,620.87	7,950.00	160.10	158.82	-97.36	-2,008.21	6,004.20	584.70	270.88	313.82	1.863		
13,800.00	7,875.00	13,720.87	7,950.00	162.68	161.43	-97.36	-2,009.35	6,104.20	584.70	265.65	319.05	1.833		
13,900.00	7,875.00	13,820.87	7,950.00	165.27	164.04	-97.36	-2,010.49	6,204.19	584.70	260.42	324.28	1.803		
14,000.00	7,875.00	13,920.87	7,950.00	167.86	166.66	-97.36	-2,011.63	6,304.18	584.70	255.19	329.51	1.774		
14,100.00	7,875.00	14,020.87	7,950.00	170.46	169.27	-97.36	-2,012.78	6,404.18	584.70	249.95	334.75	1.747		
14,200.00	7,875.00	14,120.87	7,950.00	173.06	171.89	-97.36	-2,013.92	6,504.17	584.70	244.71	339.99	1.720		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - PROSPER FARMS 4-65 14-13 3BH - OWB - PROPOSAL 1													Offset Site Error: 0.00 usft	
Survey Program: 0-MWD OWSG													Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,875.00	14,220.87	7,950.00	175.66	174.52	-97.36	-2,015.06	6,604.16	584.70	239.47	345.24	1.694		
14,400.00	7,875.00	14,320.87	7,950.00	178.26	177.14	-97.36	-2,016.20	6,704.16	584.70	234.22	350.49	1.668		
14,500.00	7,875.00	14,420.87	7,950.00	180.87	179.77	-97.36	-2,017.35	6,804.15	584.70	228.97	355.74	1.644		
14,600.00	7,875.00	14,520.87	7,950.00	183.48	182.40	-97.36	-2,018.49	6,904.14	584.70	223.71	360.99	1.620		
14,700.00	7,875.00	14,620.87	7,950.00	186.09	185.03	-97.36	-2,019.63	7,004.14	584.70	218.46	366.25	1.596		
14,800.00	7,875.00	14,720.87	7,950.00	188.71	187.66	-97.36	-2,020.77	7,104.13	584.71	213.20	371.51	1.574		
14,900.00	7,875.00	14,820.87	7,950.00	191.33	190.30	-97.36	-2,021.91	7,204.12	584.71	207.94	376.77	1.552		
15,000.00	7,875.00	14,920.87	7,950.00	193.95	192.93	-97.36	-2,023.06	7,304.12	584.71	202.68	382.03	1.531		
15,100.00	7,875.00	15,020.87	7,950.00	196.57	195.57	-97.36	-2,024.20	7,404.11	584.71	197.41	387.30	1.510		
15,200.00	7,875.00	15,120.87	7,950.00	199.19	198.21	-97.36	-2,025.34	7,504.11	584.71	192.14	392.56	1.489	Level 3	
15,300.00	7,875.00	15,220.87	7,950.00	201.82	200.85	-97.36	-2,026.48	7,604.10	584.71	186.87	397.83	1.470	Level 3	
15,400.00	7,875.00	15,320.87	7,950.00	204.45	203.49	-97.36	-2,027.63	7,704.09	584.71	181.60	403.11	1.451	Level 3	
15,500.00	7,875.00	15,420.87	7,950.00	207.08	206.14	-97.36	-2,028.77	7,804.09	584.71	176.33	408.38	1.432	Level 3	
15,600.00	7,875.00	15,520.87	7,950.00	209.71	208.78	-97.36	-2,029.91	7,904.08	584.71	171.05	413.66	1.414	Level 3	
15,700.00	7,875.00	15,620.87	7,950.00	212.34	211.43	-97.36	-2,031.05	8,004.07	584.71	165.77	418.94	1.396	Level 3	
15,800.00	7,875.00	15,720.87	7,950.00	214.98	214.08	-97.36	-2,032.20	8,104.07	584.71	160.49	424.22	1.378	Level 3	
15,900.00	7,875.00	15,820.87	7,950.00	217.61	216.73	-97.36	-2,033.34	8,204.06	584.71	155.21	429.50	1.361	Level 3	
16,000.00	7,875.00	15,920.87	7,950.00	220.25	219.38	-97.36	-2,034.48	8,304.05	584.71	149.93	434.78	1.345	Level 3	
16,100.00	7,875.00	16,020.87	7,950.00	222.89	222.03	-97.36	-2,035.62	8,404.05	584.71	144.65	440.06	1.329	Level 3	
16,200.00	7,875.00	16,120.87	7,950.00	225.53	224.68	-97.36	-2,036.77	8,504.04	584.71	139.36	445.35	1.313	Level 3	
16,300.00	7,875.00	16,220.87	7,950.00	228.17	227.33	-97.36	-2,037.91	8,604.03	584.71	134.07	450.64	1.298	Level 3	
16,400.00	7,875.00	16,320.87	7,950.00	230.81	229.99	-97.36	-2,039.05	8,704.03	584.71	128.78	455.93	1.282	Level 3	
16,500.00	7,875.00	16,420.87	7,950.00	233.46	232.64	-97.36	-2,040.19	8,804.02	584.71	123.49	461.22	1.268	Level 3	
16,600.00	7,875.00	16,520.87	7,950.00	236.10	235.30	-97.36	-2,041.34	8,904.01	584.71	118.20	466.51	1.253	Level 3	
16,700.00	7,875.00	16,620.87	7,950.00	238.75	237.96	-97.36	-2,042.48	9,004.01	584.71	112.91	471.80	1.239	Level 2	
16,800.00	7,875.00	16,720.87	7,950.00	241.40	240.61	-97.36	-2,043.62	9,104.00	584.71	107.62	477.10	1.226	Level 2	
16,900.00	7,875.00	16,820.87	7,950.00	244.05	243.27	-97.36	-2,044.76	9,203.99	584.71	102.32	482.39	1.212	Level 2	
17,000.00	7,875.00	16,920.87	7,950.00	246.70	245.93	-97.36	-2,045.90	9,303.99	584.71	97.03	487.69	1.199	Level 2	
17,100.00	7,875.00	17,020.87	7,950.00	249.35	248.59	-97.36	-2,047.05	9,403.98	584.71	91.73	492.98	1.186	Level 2	
17,200.00	7,875.00	17,120.87	7,950.00	252.00	251.25	-97.36	-2,048.19	9,503.97	584.71	86.43	498.28	1.173	Level 2	
17,300.00	7,875.00	17,220.87	7,950.00	254.65	253.92	-97.36	-2,049.33	9,603.97	584.71	81.13	503.58	1.161	Level 2	
17,400.00	7,875.00	17,320.87	7,950.00	257.31	256.58	-97.36	-2,050.47	9,703.96	584.71	75.83	508.88	1.149	Level 2	
17,500.00	7,875.00	17,420.87	7,950.00	259.96	259.24	-97.36	-2,051.62	9,803.95	584.72	70.53	514.18	1.137	Level 2	
17,600.00	7,875.00	17,520.87	7,950.00	262.62	261.91	-97.36	-2,052.76	9,903.95	584.72	65.23	519.49	1.126	Level 2	
17,700.00	7,875.00	17,620.87	7,950.00	265.27	264.57	-97.36	-2,053.90	10,003.94	584.72	59.93	524.79	1.114	Level 2	
17,800.00	7,875.00	17,720.87	7,950.00	267.93	267.24	-97.36	-2,055.04	10,103.94	584.72	54.62	530.09	1.103	Level 2	
17,900.00	7,875.00	17,820.87	7,950.00	270.59	269.90	-97.36	-2,056.19	10,203.93	584.72	49.32	535.40	1.092	Level 2	
18,000.00	7,875.00	17,920.87	7,950.00	273.24	272.57	-97.36	-2,057.33	10,303.92	584.72	44.01	540.71	1.081	Level 2	
18,100.00	7,875.00	18,020.87	7,950.00	275.90	275.23	-97.36	-2,058.47	10,403.92	584.72	38.71	546.01	1.071	Level 2	
18,200.00	7,875.00	18,120.87	7,950.00	278.56	277.90	-97.36	-2,059.61	10,503.91	584.72	33.40	551.32	1.061	Level 2	
18,300.00	7,875.00	18,220.87	7,950.00	281.22	280.57	-97.36	-2,060.76	10,603.90	584.72	28.09	556.63	1.050	Level 2	
18,400.00	7,875.00	18,320.87	7,950.00	283.89	283.24	-97.36	-2,061.90	10,703.90	584.72	22.78	561.94	1.041	Level 2	
18,500.00	7,875.00	18,420.87	7,950.00	286.55	285.91	-97.36	-2,063.04	10,803.89	584.72	17.47	567.25	1.031	Level 2	
18,540.44	7,875.00	18,461.31	7,950.00	287.62	286.99	-97.36	-2,063.50	10,844.33	584.72	15.33	569.39	1.027	Level 2, ES, SF	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - PROSPER FARMS 4-65 14-13 4BH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	180.00	-49.90	0.00	49.90					
100.00	100.00	100.00	100.00	0.13	0.13	180.00	-49.90	0.00	49.90	49.63	0.27	185.604		
200.00	200.00	200.00	200.00	0.49	0.49	180.00	-49.90	0.00	49.90	48.91	0.99	50.619		
250.00	250.00	250.00	250.00	0.67	0.67	180.00	-49.90	0.00	49.90	48.56	1.34	37.121		
300.00	300.00	299.15	299.15	0.84	0.84	8.82	-50.32	0.05	49.89	48.21	1.68	29.629		
400.00	399.93	397.45	397.39	1.18	1.18	8.93	-53.66	0.48	49.85	47.49	2.36	21.165		
500.00	499.68	495.76	495.46	1.54	1.52	9.16	-60.35	1.34	49.76	46.71	3.04	16.343		
600.00	599.13	594.07	593.24	1.91	1.89	9.49	-70.37	2.63	49.62	45.88	3.74	13.257		
700.00	698.15	692.39	690.63	2.31	2.28	9.94	-83.71	4.34	49.45	45.00	4.45	11.114		
800.00	796.63	790.71	787.51	2.74	2.70	10.50	-100.36	6.47	49.23	44.07	5.16	9.535		
900.00	894.44	889.04	883.76	3.20	3.15	11.18	-120.30	9.03	48.98	43.09	5.89	8.320		
1,000.00	991.46	987.39	979.28	3.70	3.64	11.99	-143.51	12.01	48.69	42.07	6.62	7.351		
1,100.00	1,087.58	1,085.75	1,073.95	4.24	4.16	12.91	-169.96	15.40	48.38	41.00	7.37	6.561		
1,200.00	1,182.68	1,184.13	1,167.66	4.82	4.73	13.97	-199.63	19.20	48.04	39.89	8.15	5.896		
1,235.78	1,216.44	1,219.33	1,200.94	5.04	4.94	14.37	-211.01	20.66	47.92	39.48	8.43	5.683		
1,246.21	1,226.26	1,229.59	1,210.61	5.11	5.01	14.49	-214.41	21.10	47.90	39.38	8.51	5.626 CC, ES		
1,300.00	1,276.90	1,282.52	1,260.31	5.44	5.34	14.93	-232.47	23.41	48.38	39.44	8.94	5.410		
1,400.00	1,371.03	1,380.79	1,351.65	6.08	6.00	15.01	-268.40	28.02	51.85	42.12	9.74	5.325		
1,500.00	1,465.17	1,479.86	1,442.67	6.73	6.70	14.42	-307.21	33.00	58.08	47.52	10.56	5.500		
1,600.00	1,559.31	1,579.65	1,534.23	7.38	7.42	13.89	-346.56	38.04	64.60	53.19	11.42	5.658		
1,700.00	1,653.45	1,679.43	1,625.79	8.04	8.15	13.45	-385.91	43.09	71.13	58.85	12.28	5.791		
1,800.00	1,747.59	1,779.22	1,717.35	8.70	8.89	13.09	-425.27	48.14	77.66	64.51	13.15	5.905		
1,900.00	1,841.72	1,879.00	1,808.91	9.36	9.63	12.78	-464.62	53.18	84.19	70.17	14.02	6.004		
2,000.00	1,935.86	1,978.79	1,900.47	10.03	10.38	12.52	-503.97	58.23	90.72	75.83	14.90	6.089		
2,100.00	2,030.00	2,078.57	1,992.03	10.70	11.13	12.30	-543.33	63.28	97.26	81.48	15.78	6.165		
2,200.00	2,124.14	2,178.36	2,083.58	11.37	11.88	12.10	-582.68	68.32	103.80	87.14	16.66	6.231		
2,300.00	2,218.27	2,278.15	2,175.14	12.04	12.64	11.92	-622.03	73.37	110.33	92.79	17.54	6.290		
2,400.00	2,312.41	2,377.93	2,266.70	12.71	13.40	11.77	-661.38	78.42	116.87	98.45	18.42	6.343		
2,500.00	2,406.55	2,477.72	2,358.26	13.39	14.15	11.63	-700.74	83.46	123.41	104.10	19.31	6.391		
2,600.00	2,500.69	2,577.50	2,449.82	14.06	14.91	11.50	-740.09	88.51	129.95	109.75	20.20	6.434		
2,700.00	2,594.83	2,677.29	2,541.38	14.73	15.68	11.39	-779.44	93.56	136.49	115.41	21.08	6.473		
2,800.00	2,688.96	2,777.07	2,632.94	15.41	16.44	11.29	-818.79	98.60	143.03	121.06	21.97	6.509		
2,900.00	2,783.10	2,876.86	2,724.50	16.09	17.20	11.20	-858.15	103.65	149.57	126.71	22.86	6.542		
3,000.00	2,877.24	2,976.64	2,816.06	16.76	17.96	11.11	-897.50	108.70	156.12	132.36	23.75	6.572		
3,100.00	2,971.38	3,076.43	2,907.62	17.44	18.73	11.03	-936.85	113.74	162.66	138.01	24.65	6.600		
3,200.00	3,065.52	3,176.22	2,999.17	18.12	19.49	10.96	-976.20	118.79	169.20	143.66	25.54	6.626		
3,300.00	3,159.65	3,276.00	3,090.73	18.80	20.26	10.89	-1,015.56	123.84	175.74	149.31	26.43	6.650		
3,400.00	3,253.79	3,375.79	3,182.29	19.47	21.02	10.83	-1,054.91	128.88	182.29	154.96	27.32	6.672		
3,500.00	3,347.93	3,475.57	3,273.85	20.15	21.79	10.77	-1,094.26	133.93	188.83	160.61	28.22	6.692		
3,600.00	3,442.07	3,575.36	3,365.41	20.83	22.55	10.72	-1,133.61	138.98	195.37	166.26	29.11	6.712		
3,700.00	3,536.20	3,675.14	3,456.97	21.51	23.32	10.67	-1,172.97	144.02	201.92	171.91	30.00	6.730		
3,800.00	3,630.34	3,774.93	3,548.53	22.19	24.09	10.62	-1,212.32	149.07	208.46	177.56	30.90	6.747		
3,900.00	3,724.48	3,874.71	3,640.09	22.87	24.86	10.57	-1,251.67	154.12	215.00	183.21	31.79	6.763		
4,000.00	3,818.62	3,974.50	3,731.65	23.55	25.62	10.53	-1,291.02	159.16	221.55	188.86	32.69	6.778		
4,100.00	3,912.76	4,074.29	3,823.21	24.23	26.39	10.49	-1,330.38	164.21	228.09	194.51	33.58	6.792		
4,200.00	4,006.89	4,174.07	3,914.77	24.91	27.16	10.45	-1,369.73	169.26	234.63	200.16	34.48	6.806		
4,300.00	4,101.03	4,273.86	4,006.32	25.59	27.93	10.42	-1,409.08	174.30	241.18	205.81	35.37	6.818		
4,400.00	4,195.17	4,373.64	4,097.88	26.27	28.69	10.39	-1,448.44	179.35	247.72	211.45	36.27	6.830		
4,500.00	4,289.31	4,473.43	4,189.44	26.95	29.46	10.35	-1,487.79	184.40	254.27	217.10	37.16	6.842		
4,600.00	4,383.44	4,573.21	4,281.00	27.63	30.23	10.32	-1,527.14	189.44	260.81	222.75	38.06	6.852		
4,700.00	4,477.58	4,673.00	4,372.56	28.31	31.00	10.29	-1,566.49	194.49	267.36	228.40	38.96	6.863		
4,800.00	4,571.72	4,772.78	4,464.12	28.99	31.77	10.27	-1,605.85	199.54	273.90	234.05	39.85	6.873		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - PROSPER FARMS 4-65 14-13 4BH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,900.00	4,665.86	4,872.57	4,555.68	29.67	32.54	10.24	-1,645.20	204.58	280.45	239.69	40.75	6.882		
5,000.00	4,760.00	4,972.35	4,647.24	30.35	33.31	10.22	-1,684.55	209.63	286.99	245.34	41.65	6.891		
5,100.00	4,854.13	5,072.14	4,738.80	31.03	34.07	10.19	-1,723.90	214.68	293.53	250.99	42.54	6.900		
5,200.00	4,948.27	5,171.93	4,830.36	31.71	34.84	10.17	-1,763.26	219.72	300.08	256.64	43.44	6.908		
5,300.00	5,042.41	5,271.71	4,921.91	32.39	35.61	10.15	-1,802.61	224.77	306.62	262.29	44.34	6.916		
5,400.00	5,136.55	5,371.50	5,013.47	33.07	36.38	10.13	-1,841.96	229.82	313.17	267.93	45.24	6.923		
5,500.00	5,230.69	5,471.28	5,105.03	33.75	37.15	10.11	-1,881.31	234.86	319.71	273.58	46.13	6.930		
5,600.00	5,324.82	5,571.07	5,196.59	34.43	37.92	10.09	-1,920.67	239.91	326.26	279.23	47.03	6.937		
5,700.00	5,418.96	5,670.85	5,288.15	35.12	38.69	10.07	-1,960.02	244.96	332.80	284.88	47.93	6.944		
5,800.00	5,513.10	5,770.64	5,379.71	35.80	39.46	10.05	-1,999.37	250.00	339.35	290.52	48.83	6.950		
5,900.00	5,607.24	5,870.42	5,471.27	36.48	40.23	10.04	-2,038.72	255.05	345.89	296.17	49.72	6.956		
6,000.00	5,701.37	5,970.21	5,562.83	37.16	41.00	10.02	-2,078.08	260.10	352.44	301.82	50.62	6.962		
6,100.00	5,795.51	6,070.00	5,654.39	37.84	41.77	10.00	-2,117.43	265.14	358.98	307.46	51.52	6.968		
6,200.00	5,889.65	6,169.78	5,745.95	38.52	42.54	9.99	-2,156.78	270.19	365.53	313.11	52.42	6.974		
6,300.00	5,983.79	6,269.57	5,837.50	39.20	43.31	9.97	-2,196.13	275.24	372.07	318.76	53.31	6.979		
6,400.00	6,077.93	6,369.35	5,929.06	39.88	44.08	9.96	-2,235.49	280.28	378.62	324.41	54.21	6.984		
6,500.00	6,172.06	6,469.14	6,020.62	40.56	44.85	9.95	-2,274.84	285.33	385.16	330.05	55.11	6.989		
6,600.00	6,266.20	6,568.92	6,112.18	41.25	45.62	9.93	-2,314.19	290.38	391.71	335.70	56.01	6.994		
6,700.00	6,360.34	6,668.71	6,203.74	41.93	46.39	9.92	-2,353.54	295.42	398.25	341.35	56.91	6.998		
6,800.00	6,454.48	6,768.49	6,295.30	42.61	47.16	9.91	-2,392.90	300.47	404.80	346.99	57.81	7.003		
6,900.00	6,548.61	6,868.28	6,386.86	43.29	47.93	9.89	-2,432.25	305.52	411.34	352.64	58.70	7.007		
7,000.00	6,642.75	6,968.07	6,478.42	43.97	48.70	9.88	-2,471.60	310.56	417.89	358.29	59.60	7.011		
7,100.00	6,736.89	7,067.85	6,569.98	44.65	49.47	9.87	-2,510.96	315.61	424.43	363.93	60.50	7.015		
7,200.00	6,831.03	7,167.64	6,661.54	45.33	50.24	9.86	-2,550.31	320.66	430.98	369.58	61.40	7.019		
7,300.00	6,925.17	7,267.42	6,753.10	46.02	51.01	9.85	-2,589.66	325.70	437.52	375.23	62.30	7.023		
7,400.00	7,019.30	7,367.21	6,844.65	46.70	51.78	9.84	-2,629.01	330.75	444.07	380.87	63.20	7.027		
7,500.00	7,113.44	7,466.99	6,936.21	47.38	52.55	9.83	-2,668.37	335.80	450.62	386.52	64.09	7.030		
7,600.00	7,207.58	7,566.78	7,027.77	48.06	53.32	9.82	-2,707.72	340.84	457.16	392.17	64.99	7.034		
7,700.00	7,301.72	7,666.56	7,119.33	48.74	54.09	9.81	-2,747.07	345.89	463.71	397.81	65.89	7.037		
7,766.97	7,364.76	7,733.39	7,180.65	49.20	54.60	9.80	-2,773.43	349.27	468.09	401.60	66.49	7.040		
7,800.00	7,395.79	7,766.33	7,210.87	49.43	54.86	18.50	-2,786.42	350.94	470.27	403.44	66.82	7.037		
7,850.00	7,442.34	7,815.95	7,256.40	49.78	55.24	30.43	-2,805.98	353.45	473.64	406.18	67.45	7.022		
7,900.00	7,488.07	7,864.94	7,301.35	50.13	55.62	40.54	-2,825.31	355.92	477.20	408.94	68.26	6.991		
7,950.00	7,532.63	7,912.93	7,345.39	50.48	55.99	48.95	-2,844.23	358.35	481.18	411.89	69.29	6.944		
8,000.00	7,575.69	7,959.55	7,388.16	50.84	56.35	56.00	-2,862.62	360.71	485.88	415.27	70.61	6.881		
8,050.00	7,616.91	8,004.45	7,429.36	51.18	56.70	61.99	-2,880.32	362.98	491.69	419.42	72.27	6.804		
8,100.00	7,655.99	8,051.17	7,472.21	51.53	57.06	67.31	-2,898.74	365.75	498.97	424.64	74.33	6.713		
8,150.00	7,692.62	8,104.81	7,521.00	51.87	57.48	72.20	-2,919.76	372.97	507.37	430.76	76.61	6.623		
8,200.00	7,726.53	8,161.96	7,572.03	52.21	57.93	76.52	-2,941.81	386.09	516.64	437.77	78.87	6.551		
8,250.00	7,757.46	8,223.20	7,625.08	52.54	58.42	80.39	-2,964.80	406.23	526.55	445.66	80.89	6.509		
8,300.00	7,785.17	8,289.20	7,679.65	52.87	58.93	83.89	-2,988.54	434.69	536.82	454.35	82.47	6.509		
8,350.00	7,809.46	8,360.63	7,734.86	53.19	59.48	87.07	-3,012.66	472.97	547.11	463.72	83.39	6.561		
8,400.00	7,830.13	8,438.11	7,789.26	53.51	60.05	89.92	-3,036.55	522.61	557.03	473.55	83.48	6.673		
8,450.00	7,847.03	8,522.07	7,840.63	53.82	60.64	92.42	-3,059.29	584.90	566.11	483.49	82.62	6.852		
8,500.00	7,860.04	8,612.56	7,885.97	54.14	61.24	94.50	-3,079.58	660.43	573.87	493.03	80.85	7.098		
8,550.00	7,869.04	8,709.04	7,921.60	54.44	61.85	96.08	-3,095.85	748.47	579.83	501.41	78.41	7.395		
8,600.00	7,873.98	8,810.15	7,943.81	54.75	62.44	97.06	-3,106.46	846.40	583.54	507.73	75.81	7.698		
8,635.17	7,875.00	8,882.95	7,949.82	54.96	62.83	97.35	-3,109.84	918.83	584.65	510.44	74.21	7.878		
8,700.00	7,875.00	8,955.63	7,950.00	55.36	63.21	97.37	-3,110.72	991.50	584.67	509.29	75.39	7.756		
8,800.00	7,875.00	9,055.63	7,950.00	56.06	63.80	97.37	-3,111.83	1,091.49	584.64	506.52	78.11	7.485		
8,900.00	7,875.00	9,155.63	7,950.00	56.85	64.46	97.37	-3,112.93	1,191.49	584.60	503.50	81.10	7.208		
9,000.00	7,875.00	9,255.63	7,950.00	57.73	65.20	97.37	-3,114.04	1,291.48	584.56	500.24	84.32	6.933		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 15-T4S-R65W - PROSPER FARMS 4-65 14-13 4BH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,100.00	7,875.00	9,355.63	7,950.00	58.72	66.02	97.37	-3,115.14	1,391.48	584.52	496.77	87.75	6.661		
9,200.00	7,875.00	9,455.63	7,950.00	59.81	66.92	97.37	-3,116.24	1,491.47	584.48	493.12	91.37	6.397		
9,300.00	7,875.00	9,555.63	7,950.00	61.00	67.91	97.37	-3,117.35	1,591.46	584.45	489.30	95.14	6.143		
9,400.00	7,875.00	9,655.63	7,950.00	62.30	68.99	97.37	-3,118.45	1,691.46	584.41	485.34	99.07	5.899		
9,500.00	7,875.00	9,755.63	7,950.00	63.70	70.16	97.37	-3,119.56	1,791.45	584.37	481.25	103.12	5.667		
9,600.00	7,875.00	9,855.63	7,950.00	65.19	71.42	97.37	-3,120.66	1,891.45	584.33	477.05	107.28	5.447		
9,700.00	7,875.00	9,955.63	7,950.00	66.78	72.77	97.37	-3,121.77	1,991.44	584.29	472.75	111.55	5.238		
9,800.00	7,875.00	10,055.63	7,950.00	68.45	74.20	97.38	-3,122.87	2,091.43	584.26	468.35	115.90	5.041		
9,900.00	7,875.00	10,155.63	7,950.00	70.20	75.72	97.38	-3,123.98	2,191.43	584.22	463.88	120.34	4.855		
10,000.00	7,875.00	10,255.63	7,950.00	72.02	77.31	97.38	-3,125.08	2,291.42	584.18	459.33	124.85	4.679		
10,100.00	7,875.00	10,355.63	7,950.00	73.91	78.98	97.38	-3,126.18	2,391.42	584.14	454.72	129.42	4.514		
10,200.00	7,875.00	10,455.63	7,950.00	75.86	80.72	97.38	-3,127.29	2,491.41	584.10	450.05	134.05	4.357		
10,300.00	7,875.00	10,555.63	7,950.00	77.87	82.53	97.38	-3,128.39	2,591.40	584.07	445.33	138.73	4.210		
10,400.00	7,875.00	10,655.63	7,950.00	79.93	84.39	97.38	-3,129.50	2,691.40	584.03	440.57	143.46	4.071		
10,500.00	7,875.00	10,755.63	7,950.00	82.03	86.31	97.38	-3,130.60	2,791.39	583.99	435.76	148.23	3.940		
10,600.00	7,875.00	10,855.63	7,950.00	84.18	88.29	97.38	-3,131.71	2,891.38	583.95	430.91	153.04	3.816		
10,700.00	7,875.00	10,955.63	7,950.00	86.36	90.31	97.38	-3,132.81	2,991.38	583.91	426.03	157.88	3.698		
10,800.00	7,875.00	11,055.63	7,950.00	88.58	92.37	97.38	-3,133.92	3,091.37	583.88	421.12	162.76	3.587		
10,900.00	7,875.00	11,155.63	7,950.00	90.83	94.48	97.38	-3,135.02	3,191.37	583.84	416.18	167.66	3.482		
11,000.00	7,875.00	11,255.63	7,950.00	93.11	96.62	97.38	-3,136.13	3,291.36	583.80	411.21	172.59	3.383		
11,100.00	7,875.00	11,355.63	7,950.00	95.41	98.80	97.38	-3,137.23	3,391.35	583.76	406.22	177.55	3.288		
11,200.00	7,875.00	11,455.63	7,950.00	97.74	101.01	97.38	-3,138.33	3,491.35	583.72	401.20	182.52	3.198		
11,300.00	7,875.00	11,555.63	7,950.00	100.09	103.25	97.38	-3,139.44	3,591.34	583.69	396.16	187.52	3.113		
11,400.00	7,875.00	11,655.63	7,950.00	102.46	105.51	97.38	-3,140.54	3,691.34	583.65	391.11	192.54	3.031		
11,500.00	7,875.00	11,755.63	7,950.00	104.84	107.80	97.38	-3,141.65	3,791.33	583.61	386.04	197.57	2.954		
11,600.00	7,875.00	11,855.63	7,950.00	107.25	110.11	97.38	-3,142.75	3,891.32	583.57	380.95	202.62	2.880		
11,700.00	7,875.00	11,955.63	7,950.00	109.67	112.44	97.38	-3,143.86	3,991.32	583.53	375.85	207.69	2.810		
11,800.00	7,875.00	12,055.63	7,950.00	112.10	114.79	97.38	-3,144.96	4,091.31	583.50	370.73	212.77	2.742		
11,900.00	7,875.00	12,155.63	7,950.00	114.55	117.16	97.39	-3,146.07	4,191.31	583.46	365.60	217.86	2.678		
12,000.00	7,875.00	12,255.63	7,950.00	117.01	119.54	97.39	-3,147.17	4,291.30	583.42	360.46	222.96	2.617		
12,100.00	7,875.00	12,355.63	7,950.00	119.48	121.94	97.39	-3,148.27	4,391.29	583.38	355.31	228.08	2.558		
12,200.00	7,875.00	12,455.63	7,950.00	121.96	124.36	97.39	-3,149.38	4,491.29	583.34	350.14	233.20	2.501		
12,300.00	7,875.00	12,555.63	7,950.00	124.46	126.79	97.39	-3,150.48	4,591.28	583.31	344.97	238.34	2.447		
12,400.00	7,875.00	12,655.63	7,950.00	126.96	129.23	97.39	-3,151.59	4,691.27	583.27	339.79	243.48	2.396		
12,500.00	7,875.00	12,755.63	7,950.00	129.47	131.68	97.39	-3,152.69	4,791.27	583.23	334.59	248.64	2.346		
12,600.00	7,875.00	12,855.63	7,950.00	131.99	134.14	97.39	-3,153.80	4,891.26	583.19	329.39	253.80	2.298		
12,700.00	7,875.00	12,955.63	7,950.00	134.51	136.61	97.39	-3,154.90	4,991.26	583.15	324.19	258.97	2.252		
12,800.00	7,875.00	13,055.63	7,950.00	137.04	139.10	97.39	-3,156.01	5,091.25	583.12	318.97	264.14	2.208		
12,900.00	7,875.00	13,155.63	7,950.00	139.58	141.59	97.39	-3,157.11	5,191.24	583.08	313.75	269.33	2.165		
13,000.00	7,875.00	13,255.63	7,950.00	142.13	144.09	97.39	-3,158.21	5,291.24	583.04	308.52	274.52	2.124		
13,100.00	7,875.00	13,355.63	7,950.00	144.68	146.59	97.39	-3,159.32	5,391.23	583.00	303.29	279.71	2.084		
13,200.00	7,875.00	13,455.63	7,950.00	147.24	149.11	97.39	-3,160.42	5,491.23	582.96	298.05	284.91	2.046		
13,300.00	7,875.00	13,555.63	7,950.00	149.80	151.63	97.39	-3,161.53	5,591.22	582.93	292.81	290.12	2.009		
13,400.00	7,875.00	13,655.63	7,950.00	152.37	154.16	97.39	-3,162.63	5,691.21	582.89	287.56	295.33	1.974		
13,500.00	7,875.00	13,755.63	7,950.00	154.94	156.69	97.39	-3,163.74	5,791.21	582.85	282.30	300.55	1.939		
13,600.00	7,875.00	13,855.63	7,950.00	157.52	159.23	97.39	-3,164.84	5,891.20	582.81	277.04	305.77	1.906		
13,700.00	7,875.00	13,955.63	7,950.00	160.10	161.78	97.39	-3,165.95	5,991.20	582.78	271.78	310.99	1.874		
13,800.00	7,875.00	14,055.63	7,950.00	162.68	164.33	97.39	-3,167.05	6,091.19	582.74	266.51	316.22	1.843		
13,900.00	7,875.00	14,155.63	7,950.00	165.27	166.89	97.40	-3,168.15	6,191.18	582.70	261.24	321.46	1.813		
14,000.00	7,875.00	14,255.63	7,950.00	167.86	169.45	97.40	-3,169.26	6,291.18	582.66	255.97	326.69	1.784		
14,100.00	7,875.00	14,355.63	7,950.00	170.46	172.01	97.40	-3,170.36	6,391.17	582.62	250.69	331.93	1.755		
14,200.00	7,875.00	14,455.63	7,950.00	173.06	174.58	97.40	-3,171.47	6,491.16	582.59	245.41	337.18	1.728		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

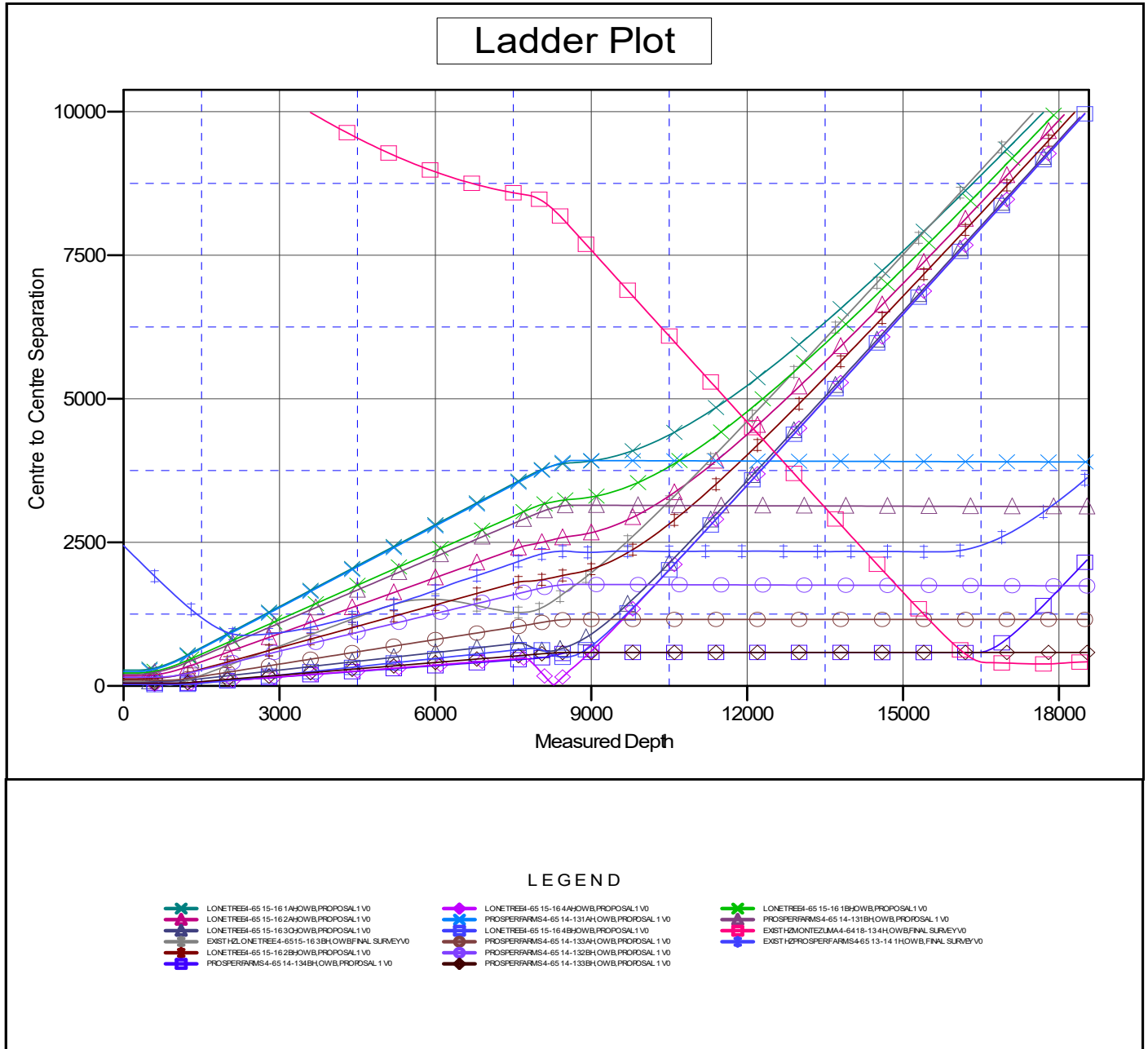
Offset Design SEC 15-T4S-R65W - PROSPER FARMS 4-65 14-13 4BH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.00	7,875.00	14,555.63	7,950.00	175.66	177.16	97.40	-3,172.57	6,591.16	582.55	240.12	342.43	1.701		
14,400.00	7,875.00	14,655.63	7,950.00	178.26	179.74	97.40	-3,173.68	6,691.15	582.51	234.83	347.68	1.675		
14,500.00	7,875.00	14,755.63	7,950.00	180.87	182.32	97.40	-3,174.78	6,791.15	582.47	229.54	352.93	1.650		
14,600.00	7,875.00	14,855.63	7,950.00	183.48	184.90	97.40	-3,175.89	6,891.14	582.43	224.25	358.19	1.626		
14,700.00	7,875.00	14,955.63	7,950.00	186.09	187.49	97.40	-3,176.99	6,991.13	582.40	218.95	363.45	1.602		
14,800.00	7,875.00	15,055.63	7,950.00	188.71	190.08	97.40	-3,178.10	7,091.13	582.36	213.65	368.71	1.579		
14,900.00	7,875.00	15,155.63	7,950.00	191.33	192.68	97.40	-3,179.20	7,191.12	582.32	208.35	373.97	1.557		
15,000.00	7,875.00	15,255.63	7,950.00	193.95	195.28	97.40	-3,180.30	7,291.12	582.28	203.04	379.24	1.535		
15,100.00	7,875.00	15,355.63	7,950.00	196.57	197.88	97.40	-3,181.41	7,391.11	582.24	197.74	384.51	1.514		
15,200.00	7,875.00	15,455.63	7,950.00	199.19	200.48	97.40	-3,182.51	7,491.10	582.21	192.43	389.78	1.494 Level 3		
15,300.00	7,875.00	15,555.63	7,950.00	201.82	203.08	97.40	-3,183.62	7,591.10	582.17	187.12	395.05	1.474 Level 3		
15,400.00	7,875.00	15,655.63	7,950.00	204.45	205.69	97.40	-3,184.72	7,691.09	582.13	181.81	400.32	1.454 Level 3		
15,500.00	7,875.00	15,755.63	7,950.00	207.08	208.30	97.40	-3,185.83	7,791.09	582.09	176.49	405.60	1.435 Level 3		
15,600.00	7,875.00	15,855.63	7,950.00	209.71	210.92	97.40	-3,186.93	7,891.08	582.05	171.17	410.88	1.417 Level 3		
15,700.00	7,875.00	15,955.63	7,950.00	212.34	213.53	97.40	-3,188.04	7,991.07	582.02	165.86	416.16	1.399 Level 3		
15,800.00	7,875.00	16,055.63	7,950.00	214.98	216.15	97.40	-3,189.14	8,091.07	581.98	160.53	421.44	1.381 Level 3		
15,900.00	7,875.00	16,155.63	7,950.00	217.61	218.77	97.40	-3,190.24	8,191.06	581.94	155.21	426.73	1.364 Level 3		
16,000.00	7,875.00	16,255.63	7,950.00	220.25	221.39	97.41	-3,191.35	8,291.05	581.90	149.89	432.01	1.347 Level 3		
16,100.00	7,875.00	16,355.63	7,950.00	222.89	224.01	97.41	-3,192.45	8,391.05	581.86	144.56	437.30	1.331 Level 3		
16,200.00	7,875.00	16,455.63	7,950.00	225.53	226.64	97.41	-3,193.56	8,491.04	581.83	139.24	442.59	1.315 Level 3		
16,300.00	7,875.00	16,555.63	7,950.00	228.17	229.26	97.41	-3,194.66	8,591.04	581.79	133.91	447.88	1.299 Level 3		
16,400.00	7,875.00	16,655.63	7,950.00	230.81	231.89	97.41	-3,195.77	8,691.03	581.75	128.58	453.17	1.284 Level 3		
16,432.62	7,875.00	16,688.25	7,950.00	231.68	232.75	97.41	-3,196.13	8,723.65	581.74	126.84	454.90	1.279 Level 3		
16,500.00	7,875.00	16,680.54	7,950.00	233.46	232.54	97.41	-3,196.04	8,715.93	586.54	125.67	460.87	1.273 Level 3, SF		
16,600.00	7,875.00	16,680.54	7,950.00	236.10	232.54	97.41	-3,196.04	8,715.93	607.46	148.96	458.49	1.325 Level 3		
16,700.00	7,875.00	16,680.54	7,950.00	238.75	232.54	97.41	-3,196.04	8,715.93	643.41	197.31	446.10	1.442 Level 3		
16,800.00	7,875.00	16,680.54	7,950.00	241.40	232.54	97.41	-3,196.04	8,715.93	692.06	264.60	427.47	1.619		
16,900.00	7,875.00	16,680.54	7,950.00	244.05	232.54	97.41	-3,196.04	8,715.93	750.95	344.92	406.03	1.849		
17,000.00	7,875.00	16,680.54	7,950.00	246.70	232.54	97.41	-3,196.04	8,715.93	817.86	433.65	384.21	2.129		
17,100.00	7,875.00	16,680.54	7,950.00	249.35	232.54	97.41	-3,196.04	8,715.93	891.00	527.60	363.40	2.452		
17,200.00	7,875.00	16,680.54	7,950.00	252.00	232.54	97.41	-3,196.04	8,715.93	968.94	624.71	344.23	2.815		
17,300.00	7,875.00	16,680.54	7,950.00	254.65	232.54	97.41	-3,196.04	8,715.93	1,050.63	723.69	326.94	3.214		
17,400.00	7,875.00	16,680.54	7,950.00	257.31	232.54	97.41	-3,196.04	8,715.93	1,135.25	823.76	311.49	3.645		
17,500.00	7,875.00	16,680.54	7,950.00	259.96	232.54	97.41	-3,196.04	8,715.93	1,222.20	924.45	297.75	4.105		
17,600.00	7,875.00	16,680.54	7,950.00	262.62	232.54	97.41	-3,196.04	8,715.93	1,311.01	1,025.46	285.55	4.591		
17,700.00	7,875.00	16,680.54	7,950.00	265.27	232.54	97.41	-3,196.04	8,715.93	1,401.33	1,126.64	274.69	5.101		
17,800.00	7,875.00	16,680.54	7,950.00	267.93	232.54	97.41	-3,196.04	8,715.93	1,492.88	1,227.86	265.02	5.633		
17,900.00	7,875.00	16,680.54	7,950.00	270.59	232.54	97.41	-3,196.04	8,715.93	1,585.46	1,329.08	256.38	6.184		
18,000.00	7,875.00	16,680.54	7,950.00	273.24	232.54	97.41	-3,196.04	8,715.93	1,678.88	1,430.26	248.63	6.753		
18,100.00	7,875.00	16,680.54	7,950.00	275.90	232.54	97.41	-3,196.04	8,715.93	1,773.03	1,531.37	241.66	7.337		
18,200.00	7,875.00	16,680.54	7,950.00	278.56	232.54	97.41	-3,196.04	8,715.93	1,867.78	1,632.42	235.36	7.936		
18,300.00	7,875.00	16,680.54	7,950.00	281.22	232.54	97.41	-3,196.04	8,715.93	1,963.05	1,733.39	229.66	8.548		
18,400.00	7,875.00	16,680.54	7,950.00	283.89	232.54	97.41	-3,196.04	8,715.93	2,058.77	1,834.29	224.48	9.171		
18,500.00	7,875.00	16,680.54	7,950.00	286.55	232.54	97.41	-3,196.04	8,715.93	2,154.88	1,935.13	219.76	9.806		
18,540.44	7,875.00	16,680.54	7,950.00	287.62	232.54	97.41	-3,196.04	8,715.93	2,193.85	1,975.88	217.97	10.065		

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB 25' @ 5718.30usft
Offset Depths are relative to Offset Datum
Central Meridian is 105.500000°W

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



Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.30usft
Reference Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.30usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 14-13 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB 25' @ 5718.30usft

Offset Depths are relative to Offset Datum

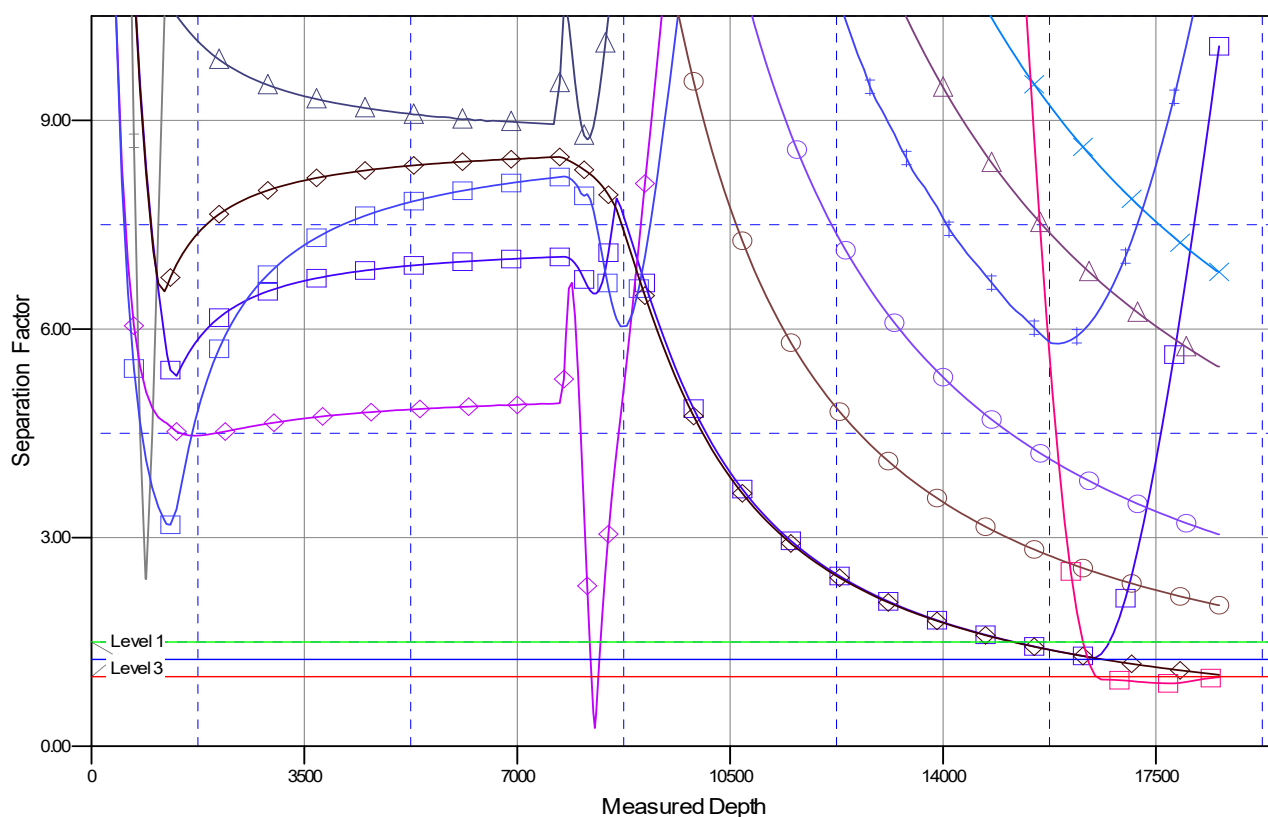
Central Meridian is 105.500000°W

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

Coordinate System is US State Plane 1983, Colorado Central Zone

Grid Convergence at Surface is: 0.54°

Separation Factor Plot



LEGEND

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