

CRESTONE PEAK RESOURCES

ARAPAHOE COUNTY

SEC 10-T4S-R65W

PROSPER FARMS 4-65 11-12 2BH

OWB

Plan: PROPOSAL 1

Standard Planning Report

21 July, 2022

Project: ARAPAHOE COUNTY
 Site: SEC 10-T4S-R65W
 Well: PROSPER FARMS 4-65 11-12 2BH
 Wellbore: OWB
 Design: PROPOSAL 1



Azimuths to True North
 Magnetic North: 7.61°
 Magnetic Field
 Strength: 51484.8nT
 Dip Angle: 66.08°
 Date: 7/21/2022
 Model: IGRF2020

WELL DETAILS: PROSPER FARMS 4-65 11-12 2BH

		5684.00					
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot	
0.00	0.00	1687386.78	3241250.84	39.717553°N	104.642396°W		

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	
3	810.81	6.22	16.69	810.20	16.13	4.84	2.00	16.69	5.73	
4	7190.23	6.22	16.69	7152.11	677.79	203.27	0.00	0.00	240.90	
5	8073.18	90.00	90.75	7705.00	728.19	776.69	10.00	74.15	816.23	LP-PF 4-65 11-12 2BH
6	17972.40	90.00	90.75	7705.00	598.55	10675.05	0.00	0.00	10691.82	PBHL-PF 4-65 11-12 2BH

ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	VSec	Departure	Annotation
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	Start Build 2.00
810.81	6.22	16.69	810.20	16.13	4.84	5.73	16.84	Start 6379.42 hold at 810.81 MD
7190.23	6.22	16.69	7152.11	677.79	203.27	240.90	707.62	Start DLS 10.00 TFO 74.15
8073.18	90.00	90.75	7705.00	728.19	776.69	816.23	1288.80	Start 9899.21 hold at 8073.18 MD
17972.40	90.00	90.75	7705.00	598.55	10675.05	10691.82	11188.01	TD at 17972.40

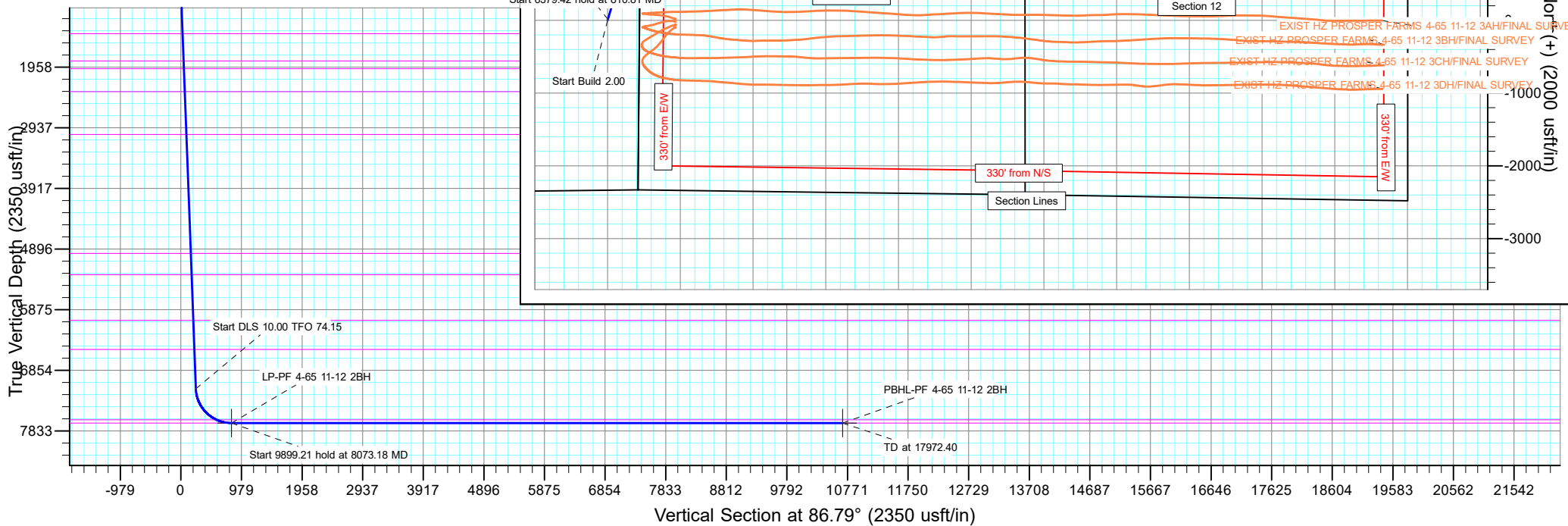
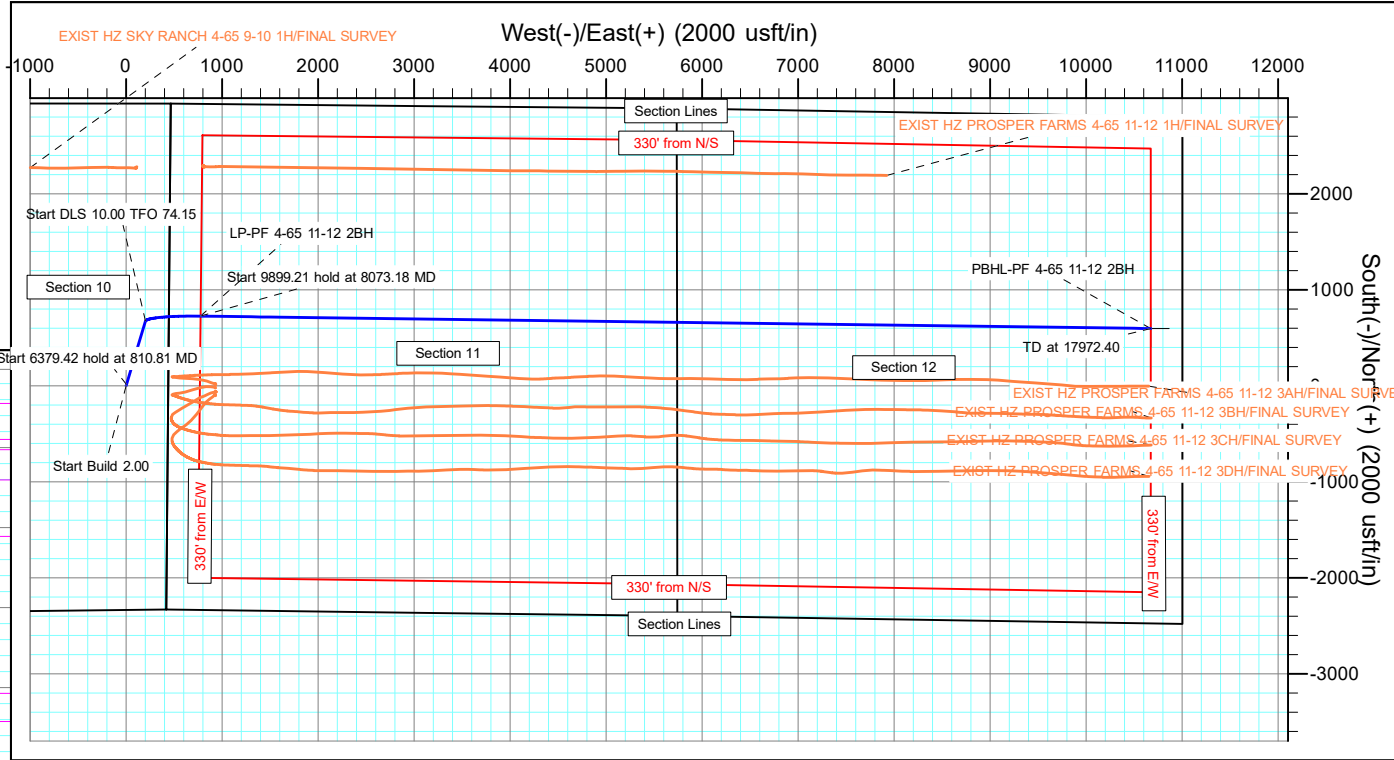
DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
LP-PF 4-65 11-12 2BH - plan hits target center	7705.00	728.19	776.69	1688122.26	3242020.61	39.719552°N	104.639635°W	Point
PBHL-PF 4-65 11-12 2BH - plan hits target center	7705.00	598.55	10675.05	1688086.06	3251919.70	39.719190°N	104.604448°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:
 2334' FSL, 440' FEL
 Sec 10-T4S-R65W
 LP:
 2210' FNL, 330' FWL
 Sec 11-T4S-R65W
 BHL:
 2210' FNL, 330' FEL
 Sec 12-T4S-R65W



Planning Report

Database:	EDT_32Bit_ODBC	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 11-12 2BH
Company:	CRESTONE PEAK RESOURCES	TVD Reference:	KB 25' @ 5709.00usft
Project:	ARAPAHOE COUNTY	MD Reference:	KB 25' @ 5709.00usft
Site:	SEC 10-T4S-R65W	North Reference:	True
Well:	PROSPER FARMS 4-65 11-12 2BH	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PROPOSAL 1		

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

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

Well	PROSPER FARMS 4-65 11-12 2BH					
Well Position	+N/-S	2,329.49 usft	Northing:	1,687,386.77 usft	Latitude:	39.717553°N
	+E/-W	-418.03 usft	Easting:	3,241,250.84 usft	Longitude:	104.642396°W
Position Uncertainty		0.00 usft	Wellhead Elevation:		Ground Level:	5,684.00 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	7/21/2022	7.61	66.08	51,484.79067031

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	86.79

Plan Survey Tool Program	Date	7/21/2022		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	17,972.40	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	
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00	
810.81	6.22	16.69	810.20	16.13	4.84	2.00	2.00	0.00	16.69	
7,190.23	6.22	16.69	7,152.11	677.79	203.27	0.00	0.00	0.00	0.00	
8,073.18	90.00	90.75	7,705.00	728.19	776.69	10.00	9.49	8.39	74.15	LP-PF 4-65 11-12 2BH
17,972.40	90.00	90.75	7,705.00	598.55	10,675.05	0.00	0.00	0.00	0.00	PBHL-PF 4-65 11-12

Planning Report

Database:	EDT_32Bit_ODBC	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 11-12 2BH
Company:	CRESTONE PEAK RESOURCES	TVD Reference:	KB 25' @ 5709.00usft
Project:	ARAPAHOE COUNTY	MD Reference:	KB 25' @ 5709.00usft
Site:	SEC 10-T4S-R65W	North Reference:	True
Well:	PROSPER FARMS 4-65 11-12 2BH	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
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 2.00									
600.00	2.00	16.69	599.98	1.67	0.50	0.59	2.00	2.00	0.00
700.00	4.00	16.69	699.84	6.68	2.00	2.38	2.00	2.00	0.00
800.00	6.00	16.69	799.45	15.03	4.51	5.34	2.00	2.00	0.00
810.81	6.22	16.69	810.20	16.13	4.84	5.73	2.00	2.00	0.00
Start 6379.42 hold at 810.81 MD									
900.00	6.22	16.69	898.87	25.38	7.61	9.02	0.00	0.00	0.00
1,000.00	6.22	16.69	998.28	35.76	10.72	12.71	0.00	0.00	0.00
1,100.00	6.22	16.69	1,097.69	46.13	13.83	16.39	0.00	0.00	0.00
1,200.00	6.22	16.69	1,197.10	56.50	16.94	20.08	0.00	0.00	0.00
1,300.00	6.22	16.69	1,296.51	66.87	20.06	23.77	0.00	0.00	0.00
1,400.00	6.22	16.69	1,395.93	77.24	23.17	27.45	0.00	0.00	0.00
1,421.20	6.22	16.69	1,417.00	79.44	23.83	28.23	0.00	0.00	0.00
Laramie Formation									
1,500.00	6.22	16.69	1,495.34	87.62	26.28	31.14	0.00	0.00	0.00
1,600.00	6.22	16.69	1,594.75	97.99	29.39	34.83	0.00	0.00	0.00
1,700.00	6.22	16.69	1,694.16	108.36	32.50	38.51	0.00	0.00	0.00
1,800.00	6.22	16.69	1,793.57	118.73	35.61	42.20	0.00	0.00	0.00
1,865.81	6.22	16.69	1,859.00	125.56	37.65	44.62	0.00	0.00	0.00
Fox Hills sandstone									
1,900.00	6.22	16.69	1,892.99	129.10	38.72	45.89	0.00	0.00	0.00
1,990.55	6.22	16.69	1,983.00	138.49	41.53	49.22	0.00	0.00	0.00
Pierre Formation									
2,000.00	6.22	16.69	1,992.40	139.47	41.83	49.57	0.00	0.00	0.00
2,100.00	6.22	16.69	2,091.81	149.85	44.94	53.26	0.00	0.00	0.00
2,200.00	6.22	16.69	2,191.22	160.22	48.05	56.94	0.00	0.00	0.00
2,300.00	6.22	16.69	2,290.63	170.59	51.16	60.63	0.00	0.00	0.00
2,364.75	6.22	16.69	2,355.00	177.30	53.17	63.02	0.00	0.00	0.00
Upper Pierre aquifer									
2,400.00	6.22	16.69	2,390.05	180.96	54.27	64.32	0.00	0.00	0.00
2,500.00	6.22	16.69	2,489.46	191.33	57.38	68.00	0.00	0.00	0.00
2,600.00	6.22	16.69	2,588.87	201.70	60.49	71.69	0.00	0.00	0.00
2,700.00	6.22	16.69	2,688.28	212.08	63.60	75.38	0.00	0.00	0.00
2,800.00	6.22	16.69	2,787.69	222.45	66.71	79.06	0.00	0.00	0.00
2,900.00	6.22	16.69	2,887.11	232.82	69.82	82.75	0.00	0.00	0.00
3,000.00	6.22	16.69	2,986.52	243.19	72.93	86.43	0.00	0.00	0.00
3,058.83	6.22	16.69	3,045.00	249.29	74.76	88.60	0.00	0.00	0.00
Base of Upper Pierre aquifer									
3,100.00	6.22	16.69	3,085.93	253.56	76.04	90.12	0.00	0.00	0.00
3,200.00	6.22	16.69	3,185.34	263.94	79.16	93.81	0.00	0.00	0.00
3,300.00	6.22	16.69	3,284.75	274.31	82.27	97.49	0.00	0.00	0.00
3,400.00	6.22	16.69	3,384.17	284.68	85.38	101.18	0.00	0.00	0.00
3,500.00	6.22	16.69	3,483.58	295.05	88.49	104.87	0.00	0.00	0.00
3,600.00	6.22	16.69	3,582.99	305.42	91.60	108.55	0.00	0.00	0.00
3,700.00	6.22	16.69	3,682.40	315.79	94.71	112.24	0.00	0.00	0.00
3,800.00	6.22	16.69	3,781.82	326.17	97.82	115.92	0.00	0.00	0.00
3,900.00	6.22	16.69	3,881.23	336.54	100.93	119.61	0.00	0.00	0.00

Planning Report

Database:	EDT_32Bit_ODBC	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 11-12 2BH
Company:	CRESTONE PEAK RESOURCES	TVD Reference:	KB 25' @ 5709.00usft
Project:	ARAPAHOE COUNTY	MD Reference:	KB 25' @ 5709.00usft
Site:	SEC 10-T4S-R65W	North Reference:	True
Well:	PROSPER FARMS 4-65 11-12 2BH	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)	
4,000.00	6.22	16.69	3,980.64	346.91	104.04	123.30	0.00	0.00	0.00	
4,100.00	6.22	16.69	4,080.05	357.28	107.15	126.98	0.00	0.00	0.00	
4,200.00	6.22	16.69	4,179.46	367.65	110.26	130.67	0.00	0.00	0.00	
4,300.00	6.22	16.69	4,278.88	378.03	113.37	134.36	0.00	0.00	0.00	
4,400.00	6.22	16.69	4,378.29	388.40	116.48	138.04	0.00	0.00	0.00	
4,500.00	6.22	16.69	4,477.70	398.77	119.59	141.73	0.00	0.00	0.00	
4,600.00	6.22	16.69	4,577.11	409.14	122.70	145.41	0.00	0.00	0.00	
4,700.00	6.22	16.69	4,676.52	419.51	125.81	149.10	0.00	0.00	0.00	
4,800.00	6.22	16.69	4,775.94	429.88	128.92	152.79	0.00	0.00	0.00	
4,900.00	6.22	16.69	4,875.35	440.26	132.03	156.47	0.00	0.00	0.00	
4,991.19	6.22	16.69	4,966.00	449.71	134.87	159.84	0.00	0.00	0.00	
Larimer sandstone										
5,000.00	6.22	16.69	4,974.76	450.63	135.15	160.16	0.00	0.00	0.00	
5,100.00	6.22	16.69	5,074.17	461.00	138.26	163.85	0.00	0.00	0.00	
5,200.00	6.22	16.69	5,173.58	471.37	141.37	167.53	0.00	0.00	0.00	
5,300.00	6.22	16.69	5,273.00	481.74	144.48	171.22	0.00	0.00	0.00	
5,337.22	6.22	16.69	5,310.00	485.60	145.63	172.59	0.00	0.00	0.00	
Terry ("Sussex") sandstone										
5,400.00	6.22	16.69	5,372.41	492.11	147.59	174.91	0.00	0.00	0.00	
5,500.00	6.22	16.69	5,471.82	502.49	150.70	178.59	0.00	0.00	0.00	
5,600.00	6.22	16.69	5,571.23	512.86	153.81	182.28	0.00	0.00	0.00	
5,700.00	6.22	16.69	5,670.64	523.23	156.92	185.96	0.00	0.00	0.00	
5,800.00	6.22	16.69	5,770.06	533.60	160.03	189.65	0.00	0.00	0.00	
5,900.00	6.22	16.69	5,869.47	543.97	163.14	193.34	0.00	0.00	0.00	
6,000.00	6.22	16.69	5,968.88	554.35	166.25	197.02	0.00	0.00	0.00	
6,077.58	6.22	16.69	6,046.00	562.39	168.66	199.88	0.00	0.00	0.00	
Hygiene ("Shannon") sandstone										
6,100.00	6.22	16.69	6,068.29	564.72	169.36	200.71	0.00	0.00	0.00	
6,200.00	6.22	16.69	6,167.70	575.09	172.47	204.40	0.00	0.00	0.00	
6,300.00	6.22	16.69	6,267.12	585.46	175.58	208.08	0.00	0.00	0.00	
6,400.00	6.22	16.69	6,366.53	595.83	178.69	211.77	0.00	0.00	0.00	
6,500.00	6.22	16.69	6,465.94	606.20	181.80	215.45	0.00	0.00	0.00	
6,550.36	6.22	16.69	6,516.00	611.43	183.37	217.31	0.00	0.00	0.00	
Pierre shale										
6,600.00	6.22	16.69	6,565.35	616.58	184.91	219.14	0.00	0.00	0.00	
6,700.00	6.22	16.69	6,664.76	626.95	188.02	222.83	0.00	0.00	0.00	
6,800.00	6.22	16.69	6,764.18	637.32	191.13	226.51	0.00	0.00	0.00	
6,900.00	6.22	16.69	6,863.59	647.69	194.25	230.20	0.00	0.00	0.00	
7,000.00	6.22	16.69	6,963.00	658.06	197.36	233.89	0.00	0.00	0.00	
7,100.00	6.22	16.69	7,062.41	668.43	200.47	237.57	0.00	0.00	0.00	
7,190.23	6.22	16.69	7,152.11	677.79	203.27	240.90	0.00	0.00	0.00	
Start DLS 10.00 TFO 74.15										
7,200.00	6.55	24.96	7,161.82	678.81	203.66	241.34	10.00	3.42	84.61	
7,250.00	9.72	53.07	7,211.33	683.93	208.24	246.20	10.00	6.34	56.22	
7,300.00	14.00	65.91	7,260.26	688.94	217.14	255.37	10.00	8.55	25.68	
7,350.00	18.63	72.66	7,308.24	693.79	230.30	268.78	10.00	9.27	13.49	
7,400.00	23.42	76.76	7,354.90	698.45	247.61	286.32	10.00	9.56	8.20	
7,450.00	28.27	79.52	7,399.88	702.89	268.93	307.86	10.00	9.71	5.53	
7,500.00	33.16	81.53	7,442.86	707.06	294.12	333.24	10.00	9.79	4.02	
7,550.00	38.08	83.07	7,483.49	710.93	322.97	362.26	10.00	9.84	3.08	
7,600.00	43.02	84.31	7,521.47	714.49	355.27	394.71	10.00	9.87	2.47	
7,650.00	47.96	85.33	7,556.51	717.69	390.77	430.34	10.00	9.89	2.05	
7,700.00	52.92	86.21	7,588.34	720.53	429.21	468.87	10.00	9.91	1.76	
7,750.00	57.88	86.98	7,616.73	722.96	470.28	510.01	10.00	9.92	1.54	

Planning Report

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Company:	CRESTONE PEAK RESOURCES	TVD Reference:	KB 25' @ 5709.00usft
Project:	ARAPAHOE COUNTY	MD Reference:	KB 25' @ 5709.00usft
Site:	SEC 10-T4S-R65W	North Reference:	True
Well:	PROSPER FARMS 4-65 11-12 2BH	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)
7,800.00	62.84	87.67	7,641.45	724.98	513.67	553.45	10.00	9.93	1.38
7,831.37	65.96	88.07	7,655.00	726.03	541.94	581.74	10.00	9.93	1.28
Sharon Springs Member									
7,850.00	67.81	88.30	7,662.31	726.57	559.07	598.86	10.00	9.94	1.23
7,900.00	72.78	88.89	7,679.17	727.72	606.11	645.90	10.00	9.94	1.18
7,950.00	77.75	89.45	7,691.88	728.42	654.44	694.19	10.00	9.94	1.11
8,000.00	82.72	89.98	7,700.36	728.66	703.70	743.39	10.00	9.94	1.07
8,050.00	87.69	90.51	7,704.53	728.45	753.51	793.11	10.00	9.95	1.05
8,073.18	90.00	90.75	7,705.00	728.19	776.69	816.23	10.00	9.95	1.04
Start 9899.21 hold at 8073.18 MD - Niobrara Formation									
8,100.00	90.00	90.75	7,705.00	727.84	803.50	842.99	0.00	0.00	0.00
8,200.00	90.00	90.75	7,705.00	726.53	903.49	942.75	0.00	0.00	0.00
8,300.00	90.00	90.75	7,705.00	725.22	1,003.48	1,042.51	0.00	0.00	0.00
8,400.00	90.00	90.75	7,705.00	723.91	1,103.48	1,142.27	0.00	0.00	0.00
8,500.00	90.00	90.75	7,705.00	722.60	1,203.47	1,242.03	0.00	0.00	0.00
8,600.00	90.00	90.75	7,705.00	721.29	1,303.46	1,341.79	0.00	0.00	0.00
8,700.00	90.00	90.75	7,705.00	719.98	1,403.45	1,441.56	0.00	0.00	0.00
8,800.00	90.00	90.75	7,705.00	718.67	1,503.44	1,541.32	0.00	0.00	0.00
8,900.00	90.00	90.75	7,705.00	717.36	1,603.43	1,641.08	0.00	0.00	0.00
9,000.00	90.00	90.75	7,705.00	716.05	1,703.42	1,740.84	0.00	0.00	0.00
9,100.00	90.00	90.75	7,705.00	714.75	1,803.42	1,840.60	0.00	0.00	0.00
9,200.00	90.00	90.75	7,705.00	713.44	1,903.41	1,940.36	0.00	0.00	0.00
9,300.00	90.00	90.75	7,705.00	712.13	2,003.40	2,040.12	0.00	0.00	0.00
9,400.00	90.00	90.75	7,705.00	710.82	2,103.39	2,139.88	0.00	0.00	0.00
9,500.00	90.00	90.75	7,705.00	709.51	2,203.38	2,239.65	0.00	0.00	0.00
9,600.00	90.00	90.75	7,705.00	708.20	2,303.37	2,339.41	0.00	0.00	0.00
9,700.00	90.00	90.75	7,705.00	706.89	2,403.36	2,439.17	0.00	0.00	0.00
9,800.00	90.00	90.75	7,705.00	705.58	2,503.36	2,538.93	0.00	0.00	0.00
9,900.00	90.00	90.75	7,705.00	704.27	2,603.35	2,638.69	0.00	0.00	0.00
10,000.00	90.00	90.75	7,705.00	702.96	2,703.34	2,738.45	0.00	0.00	0.00
10,100.00	90.00	90.75	7,705.00	701.65	2,803.33	2,838.21	0.00	0.00	0.00
10,200.00	90.00	90.75	7,705.00	700.34	2,903.32	2,937.97	0.00	0.00	0.00
10,300.00	90.00	90.75	7,705.00	699.03	3,003.31	3,037.74	0.00	0.00	0.00
10,400.00	90.00	90.75	7,705.00	697.72	3,103.30	3,137.50	0.00	0.00	0.00
10,500.00	90.00	90.75	7,705.00	696.41	3,203.30	3,237.26	0.00	0.00	0.00
10,600.00	90.00	90.75	7,705.00	695.10	3,303.29	3,337.02	0.00	0.00	0.00
10,700.00	90.00	90.75	7,705.00	693.79	3,403.28	3,436.78	0.00	0.00	0.00
10,800.00	90.00	90.75	7,705.00	692.48	3,503.27	3,536.54	0.00	0.00	0.00
10,900.00	90.00	90.75	7,705.00	691.17	3,603.26	3,636.30	0.00	0.00	0.00
11,000.00	90.00	90.75	7,705.00	689.86	3,703.25	3,736.06	0.00	0.00	0.00
11,100.00	90.00	90.75	7,705.00	688.55	3,803.24	3,835.83	0.00	0.00	0.00
11,200.00	90.00	90.75	7,705.00	687.24	3,903.24	3,935.59	0.00	0.00	0.00
11,300.00	90.00	90.75	7,705.00	685.93	4,003.23	4,035.35	0.00	0.00	0.00
11,400.00	90.00	90.75	7,705.00	684.62	4,103.22	4,135.11	0.00	0.00	0.00
11,500.00	90.00	90.75	7,705.00	683.31	4,203.21	4,234.87	0.00	0.00	0.00
11,600.00	90.00	90.75	7,705.00	682.00	4,303.20	4,334.63	0.00	0.00	0.00
11,700.00	90.00	90.75	7,705.00	680.69	4,403.19	4,434.39	0.00	0.00	0.00
11,800.00	90.00	90.75	7,705.00	679.38	4,503.18	4,534.16	0.00	0.00	0.00
11,900.00	90.00	90.75	7,705.00	678.07	4,603.18	4,633.92	0.00	0.00	0.00
12,000.00	90.00	90.75	7,705.00	676.76	4,703.17	4,733.68	0.00	0.00	0.00
12,100.00	90.00	90.75	7,705.00	675.45	4,803.16	4,833.44	0.00	0.00	0.00
12,200.00	90.00	90.75	7,705.00	674.15	4,903.15	4,933.20	0.00	0.00	0.00
12,300.00	90.00	90.75	7,705.00	672.84	5,003.14	5,032.96	0.00	0.00	0.00

Planning Report

Database:	EDT_32Bit_ODBC	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 11-12 2BH
Company:	CRESTONE PEAK RESOURCES	TVD Reference:	KB 25' @ 5709.00usft
Project:	ARAPAHOE COUNTY	MD Reference:	KB 25' @ 5709.00usft
Site:	SEC 10-T4S-R65W	North Reference:	True
Well:	PROSPER FARMS 4-65 11-12 2BH	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)
12,400.00	90.00	90.75	7,705.00	671.53	5,103.13	5,132.72	0.00	0.00	0.00
12,500.00	90.00	90.75	7,705.00	670.22	5,203.12	5,232.48	0.00	0.00	0.00
12,600.00	90.00	90.75	7,705.00	668.91	5,303.12	5,332.25	0.00	0.00	0.00
12,700.00	90.00	90.75	7,705.00	667.60	5,403.11	5,432.01	0.00	0.00	0.00
12,800.00	90.00	90.75	7,705.00	666.29	5,503.10	5,531.77	0.00	0.00	0.00
12,900.00	90.00	90.75	7,705.00	664.98	5,603.09	5,631.53	0.00	0.00	0.00
13,000.00	90.00	90.75	7,705.00	663.67	5,703.08	5,731.29	0.00	0.00	0.00
13,100.00	90.00	90.75	7,705.00	662.36	5,803.07	5,831.05	0.00	0.00	0.00
13,200.00	90.00	90.75	7,705.00	661.05	5,903.06	5,930.81	0.00	0.00	0.00
13,300.00	90.00	90.75	7,705.00	659.74	6,003.06	6,030.57	0.00	0.00	0.00
13,400.00	90.00	90.75	7,705.00	658.43	6,103.05	6,130.34	0.00	0.00	0.00
13,500.00	90.00	90.75	7,705.00	657.12	6,203.04	6,230.10	0.00	0.00	0.00
13,600.00	90.00	90.75	7,705.00	655.81	6,303.03	6,329.86	0.00	0.00	0.00
13,700.00	90.00	90.75	7,705.00	654.50	6,403.02	6,429.62	0.00	0.00	0.00
13,800.00	90.00	90.75	7,705.00	653.19	6,503.01	6,529.38	0.00	0.00	0.00
13,900.00	90.00	90.75	7,705.00	651.88	6,603.00	6,629.14	0.00	0.00	0.00
14,000.00	90.00	90.75	7,705.00	650.57	6,703.00	6,728.90	0.00	0.00	0.00
14,100.00	90.00	90.75	7,705.00	649.26	6,802.99	6,828.67	0.00	0.00	0.00
14,200.00	90.00	90.75	7,705.00	647.95	6,902.98	6,928.43	0.00	0.00	0.00
14,300.00	90.00	90.75	7,705.00	646.64	7,002.97	7,028.19	0.00	0.00	0.00
14,400.00	90.00	90.75	7,705.00	645.33	7,102.96	7,127.95	0.00	0.00	0.00
14,500.00	90.00	90.75	7,705.00	644.02	7,202.95	7,227.71	0.00	0.00	0.00
14,600.00	90.00	90.75	7,705.00	642.71	7,302.94	7,327.47	0.00	0.00	0.00
14,700.00	90.00	90.75	7,705.00	641.40	7,402.94	7,427.23	0.00	0.00	0.00
14,800.00	90.00	90.75	7,705.00	640.09	7,502.93	7,526.99	0.00	0.00	0.00
14,900.00	90.00	90.75	7,705.00	638.78	7,602.92	7,626.76	0.00	0.00	0.00
15,000.00	90.00	90.75	7,705.00	637.47	7,702.91	7,726.52	0.00	0.00	0.00
15,100.00	90.00	90.75	7,705.00	636.16	7,802.90	7,826.28	0.00	0.00	0.00
15,200.00	90.00	90.75	7,705.00	634.86	7,902.89	7,926.04	0.00	0.00	0.00
15,300.00	90.00	90.75	7,705.00	633.55	8,002.88	8,025.80	0.00	0.00	0.00
15,400.00	90.00	90.75	7,705.00	632.24	8,102.88	8,125.56	0.00	0.00	0.00
15,500.00	90.00	90.75	7,705.00	630.93	8,202.87	8,225.32	0.00	0.00	0.00
15,600.00	90.00	90.75	7,705.00	629.62	8,302.86	8,325.08	0.00	0.00	0.00
15,700.00	90.00	90.75	7,705.00	628.31	8,402.85	8,424.85	0.00	0.00	0.00
15,800.00	90.00	90.75	7,705.00	627.00	8,502.84	8,524.61	0.00	0.00	0.00
15,900.00	90.00	90.75	7,705.00	625.69	8,602.83	8,624.37	0.00	0.00	0.00
16,000.00	90.00	90.75	7,705.00	624.38	8,702.82	8,724.13	0.00	0.00	0.00
16,100.00	90.00	90.75	7,705.00	623.07	8,802.82	8,823.89	0.00	0.00	0.00
16,200.00	90.00	90.75	7,705.00	621.76	8,902.81	8,923.65	0.00	0.00	0.00
16,300.00	90.00	90.75	7,705.00	620.45	9,002.80	9,023.41	0.00	0.00	0.00
16,400.00	90.00	90.75	7,705.00	619.14	9,102.79	9,123.18	0.00	0.00	0.00
16,500.00	90.00	90.75	7,705.00	617.83	9,202.78	9,222.94	0.00	0.00	0.00
16,600.00	90.00	90.75	7,705.00	616.52	9,302.77	9,322.70	0.00	0.00	0.00
16,700.00	90.00	90.75	7,705.00	615.21	9,402.76	9,422.46	0.00	0.00	0.00
16,800.00	90.00	90.75	7,705.00	613.90	9,502.76	9,522.22	0.00	0.00	0.00
16,900.00	90.00	90.75	7,705.00	612.59	9,602.75	9,621.98	0.00	0.00	0.00
17,000.00	90.00	90.75	7,705.00	611.28	9,702.74	9,721.74	0.00	0.00	0.00
17,100.00	90.00	90.75	7,705.00	609.97	9,802.73	9,821.50	0.00	0.00	0.00
17,200.00	90.00	90.75	7,705.00	608.66	9,902.72	9,921.27	0.00	0.00	0.00
17,300.00	90.00	90.75	7,705.00	607.35	10,002.71	10,021.03	0.00	0.00	0.00
17,400.00	90.00	90.75	7,705.00	606.04	10,102.70	10,120.79	0.00	0.00	0.00
17,500.00	90.00	90.75	7,705.00	604.73	10,202.70	10,220.55	0.00	0.00	0.00
17,600.00	90.00	90.75	7,705.00	603.42	10,302.69	10,320.31	0.00	0.00	0.00
17,700.00	90.00	90.75	7,705.00	602.11	10,402.68	10,420.07	0.00	0.00	0.00

Planning Report

Database:	EDT_32Bit_ODBC	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 11-12 2BH
Company:	CRESTONE PEAK RESOURCES	TVD Reference:	KB 25' @ 5709.00usft
Project:	ARAPAHOE COUNTY	MD Reference:	KB 25' @ 5709.00usft
Site:	SEC 10-T4S-R65W	North Reference:	True
Well:	PROSPER FARMS 4-65 11-12 2BH	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)
17,800.00	90.00	90.75	7,705.00	600.80	10,502.67	10,519.83	0.00	0.00	0.00
17,900.00	90.00	90.75	7,705.00	599.49	10,602.66	10,619.59	0.00	0.00	0.00
17,972.40	90.00	90.75	7,705.00	598.55	10,675.05	10,691.82	0.00	0.00	0.00
TD at 17972.40									

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
LP-PF 4-65 11-12 2BH - plan hits target center - Point	0.00	0.00	7,705.00	728.19	776.69	1,688,122.26	3,242,020.61	39.719552°N	104.639635°W
PBHL-PF 4-65 11-12 2B - plan hits target center - Point	0.00	0.00	7,705.00	598.55	10,675.05	1,688,086.06	3,251,919.70	39.719190°N	104.604448°W

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
1,421.20	1,417.00	Laramie Formation				
1,865.81	1,859.00	Fox Hills sandstone				
1,990.55	1,983.00	Pierre Formation				
2,364.75	2,355.00	Upper Pierre aquifer				
3,058.83	3,045.00	Base of Upper Pierre aquifer				
4,991.19	4,966.00	Larimer sandstone				
5,337.22	5,310.00	Terry ("Sussex") sandstone				
6,077.58	6,046.00	Hygiene ("Shannon") sandstone				
6,550.36	6,516.00	Pierre shale				
7,831.37	7,655.00	Sharon Springs Member				
8,073.18	7,705.00	Niobrara Formation				

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Comment	
500.00	500.00	0.00	0.00	Start Build 2.00	
810.81	810.20	16.13	4.84	Start 6379.42 hold at 810.81 MD	
7,190.23	7,152.11	677.79	203.27	Start DLS 10.00 TFO 74.15	
8,073.18	7,705.00	728.19	776.69	Start 9899.21 hold at 8073.18 MD	
17,972.40	7,705.00	598.55	10,675.05	TD at 17972.40	

CRESTONE PEAK RESOURCES

**ARAPAHOE COUNTY
SEC 10-T4S-R65W
PROSPER FARMS 4-65 11-12 2BH**

**OWB
PROPOSAL 1**

Anticollision Report

21 July, 2022

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 11-12 2BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 2BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

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

Survey Tool Program	Date	7/21/2022		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	17,972.40	PROPOSAL 1 (OWB)	MWD OWSG	OWSG MWD - Standard

Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
SEC 10-T4S-R65W						
EXIST HZ PROSPER FARMS 4-65 11-12 1H - OWB - FI	14,684.30	14,127.85	1,558.33	1,186.29	4.189	CC
EXIST HZ PROSPER FARMS 4-65 11-12 1H - OWB - FI	15,201.42	14,645.00	1,560.19	1,160.55	3.904	ES
EXIST HZ PROSPER FARMS 4-65 11-12 1H - OWB - FI	15,300.00	14,645.00	1,563.30	1,161.34	3.889	SF
EXIST HZ PROSPER FARMS 4-65 11-12 3AH - OWB - F	16,197.41	16,062.86	555.13	95.53	1.208	Level 2, CC
EXIST HZ PROSPER FARMS 4-65 11-12 3AH - OWB - F	17,959.23	17,827.00	599.60	44.82	1.081	Level 2, ES, SF
EXIST HZ PROSPER FARMS 4-65 11-12 3BH - OWB - F	7,106.92	7,178.62	814.69	762.27	15.542	CC
EXIST HZ PROSPER FARMS 4-65 11-12 3BH - OWB - F	17,972.40	17,922.19	937.40	384.94	1.697	ES, SF
EXIST HZ PROSPER FARMS 4-65 11-12 3CH - OWB - F	2,609.74	2,581.68	917.20	898.50	49.047	CC
EXIST HZ PROSPER FARMS 4-65 11-12 3CH - OWB - F	17,972.40	17,906.00	1,214.17	658.06	2.183	ES, SF
EXIST HZ PROSPER FARMS 4-65 11-12 3DH - OWB - F	2,276.32	2,250.63	915.36	899.09	56.261	CC
EXIST HZ PROSPER FARMS 4-65 11-12 3DH - OWB - F	2,900.00	2,870.20	917.54	896.67	43.952	ES
EXIST HZ PROSPER FARMS 4-65 11-12 3DH - OWB - F	17,972.40	18,004.52	1,543.26	989.20	2.785	SF
EXIST HZ SKY RANCH 4-65 9-10 1H - OWB - FINAL SU	7,428.93	7,295.09	1,576.98	1,527.98	32.182	CC, ES
EXIST HZ SKY RANCH 4-65 9-10 1H - OWB - FINAL SU	7,900.00	7,406.73	1,657.14	1,604.12	31.257	SF
PROSPER FARMS 4-65 11-12 1BH - OWB - PROPOSA	100.00	100.00	59.74	59.47	222.212	CC, ES
PROSPER FARMS 4-65 11-12 1BH - OWB - PROPOSA	17,972.40	18,120.90	1,039.62	472.65	1.834	SF
PROSPER FARMS 4-65 11-12 2AH - OWB - PROPOSA	300.00	300.00	20.04	18.33	11.767	CC
PROSPER FARMS 4-65 11-12 2AH - OWB - PROPOSA	17,972.40	18,034.09	519.81	-47.17	0.917	Level 1, ES, SF
PROSPER FARMS 4-65 11-12 4AH - OWB - PROPOSA	200.00	199.00	60.11	59.12	61.195	CC, ES
PROSPER FARMS 4-65 11-12 4AH - OWB - PROPOSA	17,972.40	18,032.48	2,071.74	1,504.92	3.655	SF
PROSPER FARMS 4-65 11-12 4BH - OWB - PROPOSA	100.00	98.00	80.14	79.88	301.104	CC, ES
PROSPER FARMS 4-65 11-12 4BH - OWB - PROPOSA	17,972.40	18,148.65	2,671.63	2,104.66	4.712	SF

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 2195-MWD OWSG												Offset Well Error:	0.00 usft
SEC 10-T4S-R65W - EXIST HZ PROSPER FARMS 4-65 11-12 1H - OWB - FINAL SURVEY													
Reference		Offset		Semi Major Axis		Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	19.62	2,276.69	811.52	2,417.20				
100.00	100.00	68.74	68.74	0.13	0.12	19.62	2,276.69	811.52	2,417.00	2,416.75	0.26	9,429.643	
200.00	200.00	168.35	168.35	0.49	0.30	19.62	2,276.70	811.55	2,417.02	2,416.23	0.79	3,053.928	
300.00	300.00	267.97	267.97	0.85	0.48	19.62	2,276.72	811.60	2,417.06	2,415.73	1.33	1,822.029	
400.00	400.00	367.59	367.59	1.21	0.65	19.62	2,276.75	811.67	2,417.11	2,415.25	1.86	1,298.332	
500.00	500.00	467.20	467.20	1.57	0.83	19.62	2,276.79	811.77	2,417.17	2,414.78	2.40	1,008.488	

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 11-12 2BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 2BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 2195-MWD OWSG													Offset Well Error:	0.00 usft
Reference				Offset		Semi Major Axis			Distance				Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
600.00	599.98	566.80	566.80	1.93	1.01	2.94	2,276.83	811.89	2,415.51	2,412.58	2.93	823.795		
700.00	699.84	666.28	666.28	2.29	1.18	2.95	2,276.88	812.03	2,410.39	2,406.92	3.47	694.629		
800.00	799.45	765.53	765.53	2.65	1.36	2.97	2,276.95	812.19	2,401.80	2,397.79	4.01	599.122		
900.00	898.87	864.58	864.58	3.02	1.53	2.99	2,277.02	812.38	2,391.13	2,386.59	4.55	526.020		
1,000.00	998.28	963.63	963.63	3.40	1.71	3.01	2,277.09	812.59	2,380.46	2,375.38	5.08	468.608		
1,100.00	1,097.69	1,062.68	1,062.68	3.78	1.88	3.03	2,277.18	812.82	2,369.81	2,364.19	5.62	422.031		
1,200.00	1,197.10	1,161.74	1,161.74	4.17	2.06	3.05	2,277.28	813.08	2,359.17	2,353.02	6.15	383.508		
1,300.00	1,296.51	1,260.80	1,260.80	4.55	2.24	3.06	2,277.38	813.35	2,348.55	2,341.86	6.69	351.129		
1,400.00	1,395.93	1,359.86	1,359.86	4.94	2.41	3.09	2,277.49	813.65	2,337.95	2,330.72	7.23	323.540		
1,500.00	1,495.34	1,458.93	1,458.92	5.33	2.59	3.11	2,277.61	813.98	2,327.36	2,319.59	7.76	299.757		
1,600.00	1,594.75	1,557.99	1,557.99	5.72	2.76	3.13	2,277.74	814.32	2,316.78	2,308.48	8.30	279.046		
1,700.00	1,694.16	1,657.07	1,657.06	6.12	2.94	3.15	2,277.88	814.69	2,306.23	2,297.39	8.84	260.851		
1,800.00	1,793.57	1,756.14	1,756.13	6.51	3.11	3.17	2,278.03	815.08	2,295.69	2,286.31	9.38	244.741		
1,900.00	1,892.99	1,855.22	1,855.21	6.90	3.29	3.20	2,278.18	815.49	2,285.16	2,275.24	9.92	230.378		
2,000.00	1,992.40	1,954.30	1,954.29	7.29	3.47	3.22	2,278.34	815.93	2,274.65	2,264.19	10.46	217.494		
2,100.00	2,091.81	2,053.38	2,053.37	7.69	3.64	3.24	2,278.52	816.39	2,264.16	2,253.16	11.00	205.871		
2,200.00	2,191.22	2,152.47	2,152.46	8.08	3.82	3.27	2,278.70	816.87	2,253.68	2,242.15	11.54	195.335		
2,300.00	2,290.63	2,251.56	2,251.55	8.48	3.99	3.30	2,278.88	817.37	2,243.22	2,231.15	12.08	185.740		
2,400.00	2,390.05	2,332.08	2,332.06	8.87	4.38	3.31	2,279.88	817.65	2,233.59	2,220.76	12.83	174.064		
2,500.00	2,489.46	2,434.04	2,434.02	9.27	4.74	3.32	2,280.90	817.90	2,223.79	2,210.24	13.55	164.069		
2,600.00	2,588.87	2,520.49	2,520.45	9.66	5.04	3.31	2,282.41	817.35	2,214.40	2,200.18	14.22	155.710		
2,700.00	2,688.28	2,612.06	2,611.99	10.06	5.35	3.27	2,284.66	816.14	2,205.44	2,190.54	14.90	147.990		
2,800.00	2,787.69	2,717.86	2,717.73	10.45	5.72	3.23	2,287.68	814.66	2,196.85	2,181.22	15.63	140.543		
2,900.00	2,887.11	2,852.43	2,852.27	10.85	6.18	3.18	2,289.38	812.45	2,186.54	2,170.09	16.45	132.958		
3,000.00	2,986.52	2,960.65	2,960.47	11.24	6.55	3.14	2,290.08	810.50	2,175.73	2,158.55	17.17	126.685		
3,100.00	3,085.93	3,058.93	3,058.74	11.64	6.88	3.11	2,290.50	808.68	2,164.69	2,146.81	17.87	121.109		
3,200.00	3,185.34	3,154.47	3,154.26	12.04	7.21	3.07	2,291.03	806.96	2,153.79	2,135.22	18.57	115.997		
3,300.00	3,284.75	3,255.76	3,255.54	12.43	7.56	3.04	2,291.57	805.35	2,142.94	2,123.66	19.28	111.146		
3,400.00	3,384.17	3,347.69	3,347.45	12.83	7.88	3.02	2,292.10	804.13	2,132.22	2,112.26	19.97	106.789		
3,500.00	3,483.58	3,448.92	3,448.68	13.22	8.23	3.00	2,292.83	802.81	2,121.64	2,100.96	20.68	102.577		
3,600.00	3,582.99	3,551.67	3,551.41	13.62	8.59	2.99	2,293.21	801.87	2,110.88	2,089.47	21.40	98.619		
3,700.00	3,682.40	3,638.01	3,637.76	14.02	8.89	2.99	2,293.62	801.63	2,100.41	2,078.33	22.08	95.132		
3,800.00	3,781.82	3,730.61	3,730.35	14.41	9.22	3.00	2,294.39	801.74	2,090.41	2,067.63	22.78	91.780		
3,900.00	3,881.23	3,826.79	3,826.53	14.81	9.56	3.01	2,295.34	802.08	2,080.65	2,057.16	23.49	88.594		
4,000.00	3,980.64	3,920.46	3,920.19	15.21	9.90	3.03	2,296.45	802.67	2,071.15	2,046.97	24.19	85.634		
4,100.00	4,080.05	4,052.82	4,052.54	15.60	10.36	3.08	2,296.78	803.57	2,060.74	2,035.75	25.00	82.446		
4,200.00	4,179.46	4,153.00	4,152.72	16.00	10.70	3.11	2,296.28	804.10	2,049.65	2,023.94	25.70	79.743		
4,300.00	4,278.88	4,249.16	4,248.88	16.40	11.03	3.14	2,296.02	804.60	2,038.75	2,012.35	26.40	77.220		
4,400.00	4,378.29	4,344.27	4,343.98	16.79	11.36	3.18	2,295.80	805.22	2,027.94	2,000.84	27.10	74.831		
4,500.00	4,477.70	4,451.16	4,450.87	17.19	11.74	3.22	2,295.67	806.07	2,017.30	1,989.47	27.83	72.479		
4,600.00	4,577.11	4,565.93	4,565.63	17.59	12.13	3.28	2,294.55	807.04	2,005.86	1,977.27	28.58	70.178		
4,700.00	4,676.52	4,687.78	4,687.45	17.98	12.55	3.35	2,292.16	808.19	1,993.54	1,964.20	29.35	67.932		
4,800.00	4,775.94	4,774.42	4,774.08	18.38	12.85	3.40	2,290.47	808.75	1,981.11	1,951.09	30.02	65.995		
4,900.00	4,875.35	4,881.56	4,881.19	18.78	13.22	3.42	2,288.74	808.14	1,968.59	1,937.85	30.74	64.036		
5,000.00	4,974.76	4,981.95	4,981.57	19.17	13.56	3.42	2,287.27	806.71	1,955.94	1,924.49	31.45	62.196		
5,100.00	5,074.17	5,077.32	5,076.92	19.57	13.88	3.41	2,285.74	805.25	1,943.11	1,910.97	32.14	60.453		
5,200.00	5,173.58	5,154.92	5,154.51	19.97	14.15	3.42	2,284.98	804.88	1,931.20	1,898.41	32.79	58.889		
5,300.00	5,273.00	5,264.66	5,264.24	20.36	14.53	3.45	2,284.04	804.72	1,919.56	1,886.03	33.53	57.254		
5,400.00	5,372.41	5,364.46	5,364.03	20.76	14.87	3.46	2,282.78	803.97	1,907.31	1,873.08	34.24	55.712		
5,500.00	5,471.82	5,441.57	5,441.14	21.16	15.14	3.47	2,282.48	803.64	1,895.97	1,861.08	34.89	54.346		
5,600.00	5,571.23	5,538.96	5,538.53	21.55	15.48	3.49	2,282.58	803.52	1,885.22	1,849.62	35.59	52.966		
5,700.00	5,670.64	5,639.70	5,639.27	21.95	15.83	3.49	2,282.75	803.13	1,874.44	1,838.13	36.31	51.626		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 11-12 2BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 2BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
SEC 10-T4S-R65W - EXIST HZ PROSPER FARMS 4-65 11-12 1H - OWB - FINAL SURVEY													Offset Well Error:	0.00 usft
Survey Program: 2195-MWD OWSG														
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,800.00	5,770.06	5,738.35	5,737.92	22.35	16.17	3.49	2,283.10	802.43	1,863.71	1,826.69	37.02	50.347		
5,900.00	5,869.47	5,839.56	5,839.12	22.74	16.53	3.48	2,283.42	801.41	1,852.85	1,815.12	37.73	49.103		
6,000.00	5,968.88	5,925.43	5,924.99	23.14	16.83	3.46	2,283.89	800.53	1,842.22	1,803.81	38.41	47.961		
6,100.00	6,068.29	5,995.67	5,995.21	23.54	17.07	3.47	2,284.94	800.73	1,832.91	1,793.87	39.04	46.945		
6,200.00	6,167.70	6,092.00	6,091.52	23.93	17.41	3.50	2,286.98	801.84	1,824.48	1,784.73	39.75	45.898		
6,300.00	6,267.12	6,186.61	6,186.09	24.33	17.75	3.54	2,289.12	803.21	1,816.28	1,775.83	40.45	44.899		
6,400.00	6,366.53	6,302.47	6,301.91	24.73	18.15	3.61	2,291.35	805.39	1,807.95	1,766.73	41.22	43.865		
6,500.00	6,465.94	6,450.13	6,449.54	25.13	18.67	3.72	2,291.11	807.95	1,797.55	1,755.50	42.05	42.746		
6,600.00	6,565.35	6,557.14	6,556.54	25.52	19.04	3.79	2,289.44	808.97	1,785.61	1,742.84	42.78	41.742		
6,700.00	6,664.76	6,646.88	6,646.27	25.92	19.35	3.85	2,288.16	809.85	1,773.83	1,730.36	43.47	40.809		
6,800.00	6,764.18	6,743.62	6,742.99	26.32	19.69	3.92	2,287.11	810.98	1,762.42	1,718.25	44.17	39.899		
6,900.00	6,863.59	6,850.87	6,850.23	26.71	20.06	3.96	2,286.24	810.95	1,750.86	1,705.96	44.90	38.995		
7,000.00	6,963.00	6,947.03	6,946.38	27.11	20.39	3.95	2,285.83	809.60	1,739.16	1,693.56	45.60	38.139		
7,100.00	7,062.41	7,044.74	7,044.08	27.51	20.73	3.93	2,285.48	808.36	1,727.58	1,681.27	46.31	37.307		
7,200.00	7,161.82	7,136.60	7,135.94	27.90	21.05	-4.39	2,285.21	807.43	1,716.13	1,669.13	47.00	36.513		
7,300.00	7,260.26	7,191.00	7,190.31	28.31	21.24	-46.21	2,285.07	808.73	1,702.69	1,655.09	47.60	35.772		
7,400.00	7,354.90	7,254.00	7,252.85	28.74	21.46	-58.41	2,284.52	816.06	1,686.36	1,638.16	48.20	34.990		
7,500.00	7,442.86	7,304.36	7,302.16	29.18	21.64	-64.86	2,283.92	826.25	1,667.85	1,619.09	48.75	34.212		
7,600.00	7,521.47	7,349.00	7,345.32	29.64	21.79	-69.57	2,283.71	837.62	1,648.08	1,598.77	49.32	33.417		
7,700.00	7,588.34	7,402.66	7,396.19	30.16	21.98	-73.74	2,283.84	854.68	1,628.18	1,578.15	50.03	32.547		
7,800.00	7,641.45	7,461.69	7,450.37	30.79	22.20	-77.66	2,283.58	878.06	1,608.61	1,557.68	50.93	31.583		
7,900.00	7,679.17	7,506.00	7,489.67	31.58	22.36	-80.95	2,283.09	898.48	1,590.53	1,538.50	52.02	30.573		
8,000.00	7,700.36	7,538.00	7,517.14	32.55	22.49	-83.47	2,282.97	914.88	1,575.95	1,522.61	53.34	29.546		
8,100.00	7,705.00	7,569.00	7,542.90	33.68	22.61	-85.19	2,283.48	932.12	1,566.44	1,511.55	54.89	28.540		
8,200.00	7,705.00	7,594.01	7,563.01	34.99	22.72	-85.93	2,284.34	946.96	1,562.36	1,505.73	56.63	27.590		
8,300.00	7,705.00	8,300.00	7,673.28	36.45	26.95	-89.97	2,285.88	1,059.68	1,561.67	1,499.39	62.28	25.075		
8,380.62	7,705.00	7,806.62	7,703.94	37.74	23.92	-91.10	2,284.30	1,104.53	1,560.55	1,499.88	60.67	25.722		
8,400.00	7,705.00	7,816.58	7,709.08	38.06	24.00	-91.29	2,284.11	1,113.06	1,560.62	1,499.53	61.09	25.545		
8,500.00	7,705.00	7,878.90	7,737.97	39.79	24.51	-92.35	2,283.83	1,168.24	1,562.93	1,499.46	63.47	24.625		
8,600.00	7,705.00	8,030.89	7,782.47	41.62	26.10	-93.97	2,282.95	1,313.18	1,565.45	1,498.81	66.64	23.490		
8,700.00	7,705.00	8,121.83	7,794.50	43.55	27.28	-94.41	2,281.68	1,403.27	1,566.34	1,496.56	69.78	22.448		
8,800.00	7,705.00	8,252.13	7,796.33	45.56	29.21	-94.48	2,280.43	1,533.47	1,566.83	1,493.21	73.62	21.283		
8,900.00	7,705.00	8,357.21	7,793.60	47.64	30.96	-94.38	2,278.40	1,638.49	1,566.01	1,488.53	77.47	20.214		
9,000.00	7,705.00	8,442.95	7,792.79	49.78	32.51	-94.35	2,276.81	1,724.21	1,565.41	1,484.16	81.24	19.268		
9,001.82	7,705.00	8,444.42	7,792.78	49.82	32.53	-94.35	2,276.79	1,725.68	1,565.41	1,484.09	81.31	19.252		
9,100.00	7,705.00	8,542.63	7,792.01	51.97	34.40	-94.32	2,275.78	1,823.89	1,565.62	1,480.26	85.36	18.341		
9,135.76	7,705.00	8,582.25	7,791.47	52.77	35.17	-94.30	2,275.25	1,863.50	1,565.57	1,478.65	86.92	18.011		
9,200.00	7,705.00	8,635.79	7,791.31	54.20	36.27	-94.30	2,274.69	1,917.04	1,565.71	1,476.19	89.52	17.491		
9,300.00	7,705.00	8,739.49	7,792.09	56.48	38.43	-94.32	2,273.74	2,020.73	1,566.17	1,472.21	93.96	16.669		
9,400.00	7,705.00	8,847.40	7,792.85	58.80	40.76	-94.35	2,272.20	2,128.62	1,566.11	1,467.53	98.57	15.888		
9,500.00	7,705.00	8,952.00	7,793.59	61.14	43.10	-94.38	2,270.31	2,233.21	1,565.66	1,462.42	103.24	15.166		
9,600.00	7,705.00	9,060.57	7,794.39	63.52	45.58	-94.41	2,267.91	2,341.74	1,564.82	1,456.77	108.05	14.482		
9,700.00	7,705.00	9,161.99	7,794.88	65.91	47.94	-94.43	2,265.07	2,443.13	1,563.37	1,450.56	112.80	13.859		
9,794.15	7,705.00	9,236.79	7,795.52	68.19	49.70	-94.46	2,263.58	2,517.91	1,562.79	1,445.85	116.94	13.364		
9,800.00	7,705.00	9,241.59	7,795.57	68.34	49.82	-94.46	2,263.52	2,522.70	1,562.80	1,445.59	117.20	13.334		
9,900.00	7,705.00	9,324.11	7,796.25	70.78	51.78	-94.48	2,262.92	2,605.22	1,563.44	1,441.75	121.69	12.848		
10,000.00	7,705.00	9,435.58	7,796.86	73.24	54.48	-94.51	2,262.25	2,716.68	1,564.19	1,437.40	126.79	12.337		
10,100.00	7,705.00	9,538.29	7,796.24	75.71	56.98	-94.48	2,261.41	2,819.39	1,564.63	1,432.86	131.77	11.874		
10,200.00	7,705.00	9,648.01	7,794.97	78.20	59.69	-94.43	2,259.98	2,929.10	1,564.54	1,427.62	136.92	11.426		
10,300.00	7,705.00	9,748.60	7,793.28	80.70	62.19	-94.37	2,258.36	3,029.65	1,564.10	1,422.17	141.94	11.020		
10,400.00	7,705.00	9,857.96	7,791.97	83.22	64.92	-94.33	2,256.49	3,138.99	1,563.64	1,416.49	147.15	10.626		
10,500.00	7,705.00	9,949.03	7,790.54	85.75	67.22	-94.28	2,254.52	3,230.03	1,562.69	1,410.67	152.03	10.279		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 11-12 2BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 2BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
SEC 10-T4S-R65W - EXIST HZ PROSPER FARMS 4-65 11-12 1H - OWB - FINAL SURVEY													Offset Well Error:	0.00 usft
Survey Program: 2195-MWD OWSG														
Reference				Offset			Semi Major Axis		Distance				Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,600.00	7,705.00	10,046.49	7,790.08	88.28	69.68	-94.26	2,253.20	3,327.48	1,562.60	1,405.56	157.04	9.950		
10,700.00	7,705.00	10,167.31	7,788.12	90.83	72.76	-94.19	2,250.76	3,448.26	1,561.79	1,399.23	162.56	9.608		
10,800.00	7,705.00	10,246.88	7,786.76	93.38	74.79	-94.14	2,249.02	3,527.79	1,560.81	1,393.54	167.27	9.331		
10,900.00	7,705.00	10,349.87	7,786.41	95.95	77.43	-94.13	2,247.53	3,630.77	1,560.66	1,388.21	172.45	9.050		
10,968.80	7,705.00	10,411.55	7,786.29	97.71	79.01	-94.13	2,246.54	3,692.44	1,560.45	1,384.61	175.84	8.874		
11,000.00	7,705.00	10,438.34	7,786.36	98.52	79.70	-94.13	2,246.22	3,719.23	1,560.50	1,383.15	177.35	8.799		
11,100.00	7,705.00	10,539.37	7,786.88	101.09	82.31	-94.15	2,245.22	3,820.25	1,560.85	1,378.33	182.52	8.552		
11,200.00	7,705.00	10,651.15	7,787.26	103.67	85.20	-94.16	2,243.57	3,932.02	1,560.71	1,372.78	187.92	8.305		
11,300.00	7,705.00	10,750.56	7,787.20	106.26	87.78	-94.16	2,241.63	4,031.41	1,560.07	1,366.98	193.09	8.080		
11,327.49	7,705.00	10,770.24	7,787.16	106.97	88.29	-94.16	2,241.33	4,051.09	1,560.00	1,365.65	194.35	8.027		
11,400.00	7,705.00	10,822.16	7,787.16	108.85	89.64	-94.16	2,240.99	4,103.01	1,560.48	1,362.82	197.66	7.895		
11,500.00	7,705.00	10,929.05	7,787.13	111.45	92.42	-94.15	2,240.96	4,209.90	1,561.76	1,358.76	203.01	7.693		
11,600.00	7,705.00	11,033.13	7,786.80	114.06	95.13	-94.14	2,240.40	4,313.98	1,562.51	1,354.21	208.30	7.501		
11,700.00	7,705.00	11,136.86	7,785.97	116.66	97.84	-94.11	2,239.69	4,417.70	1,563.08	1,349.47	213.61	7.317		
11,800.00	7,705.00	11,240.38	7,785.18	119.27	100.55	-94.08	2,238.44	4,521.21	1,563.12	1,344.20	218.91	7.140		
11,900.00	7,705.00	11,330.53	7,784.81	121.89	102.92	-94.06	2,237.89	4,611.35	1,563.77	1,339.83	223.93	6.983		
12,000.00	7,705.00	11,449.20	7,784.05	124.51	106.03	-94.03	2,236.65	4,730.02	1,563.99	1,334.41	229.58	6.812		
12,100.00	7,705.00	11,549.23	7,782.43	127.13	108.66	-93.98	2,234.78	4,830.02	1,563.32	1,328.48	234.84	6.657		
12,145.69	7,705.00	11,588.97	7,782.00	128.33	109.71	-93.96	2,234.20	4,869.74	1,563.22	1,326.10	237.12	6.593		
12,200.00	7,705.00	11,622.77	7,781.80	129.75	110.60	-93.95	2,233.98	4,903.55	1,563.55	1,324.04	239.51	6.528		
12,300.00	7,705.00	11,684.80	7,781.94	132.38	112.23	-93.96	2,234.72	4,965.57	1,566.06	1,322.25	243.81	6.423		
12,400.00	7,705.00	11,799.38	7,782.22	135.01	115.24	-93.96	2,236.94	5,080.13	1,569.32	1,319.87	249.44	6.291		
12,500.00	7,705.00	11,914.06	7,782.09	137.64	118.26	-93.94	2,238.02	5,194.80	1,571.55	1,316.47	255.07	6.161		
12,600.00	7,705.00	12,017.35	7,782.46	140.28	120.99	-93.95	2,238.35	5,298.09	1,573.19	1,312.78	260.42	6.041		
12,700.00	7,705.00	12,118.53	7,782.03	142.91	123.66	-93.93	2,238.71	5,399.27	1,574.83	1,309.11	265.72	5.927		
12,800.00	7,705.00	12,234.11	7,781.80	145.55	126.72	-93.92	2,238.57	5,514.85	1,576.02	1,304.66	271.36	5.808		
12,900.00	7,705.00	12,345.77	7,780.67	148.19	129.68	-93.88	2,237.36	5,626.49	1,576.17	1,299.25	276.92	5.692		
13,000.00	7,705.00	12,450.77	7,778.69	150.84	132.46	-93.81	2,235.84	5,731.47	1,575.91	1,293.58	282.33	5.582		
13,100.00	7,705.00	12,572.79	7,775.24	153.48	135.70	-93.69	2,232.72	5,853.39	1,574.42	1,286.33	288.09	5.465		
13,200.00	7,705.00	12,668.73	7,772.83	156.13	138.25	-93.60	2,229.88	5,949.27	1,572.62	1,279.28	293.34	5.361		
13,300.00	7,705.00	12,763.43	7,770.89	158.78	140.77	-93.54	2,227.41	6,043.91	1,571.19	1,272.63	298.57	5.262		
13,400.00	7,705.00	12,858.58	7,768.70	161.43	143.30	-93.46	2,225.18	6,139.01	1,570.02	1,266.22	303.80	5.168		
13,500.00	7,705.00	12,950.87	7,766.52	164.08	145.75	-93.38	2,223.41	6,231.26	1,569.27	1,260.30	308.98	5.079		
13,600.00	7,705.00	13,060.82	7,763.62	166.73	148.68	-93.27	2,221.61	6,341.15	1,568.82	1,254.31	314.52	4.988		
13,700.00	7,705.00	13,164.45	7,759.18	169.39	151.43	-93.12	2,218.89	6,444.65	1,567.26	1,247.30	319.95	4.898		
13,800.00	7,705.00	13,272.66	7,755.73	172.04	154.32	-92.99	2,216.14	6,552.76	1,565.87	1,240.42	325.46	4.811		
13,900.00	7,705.00	13,368.56	7,753.40	174.70	156.87	-92.91	2,213.21	6,648.60	1,564.01	1,233.29	330.73	4.729		
14,000.00	7,705.00	13,447.66	7,752.57	177.36	158.98	-92.88	2,211.40	6,727.67	1,563.00	1,227.36	335.64	4.657		
14,017.79	7,705.00	13,461.22	7,752.47	177.83	159.34	-92.88	2,211.21	6,741.23	1,562.98	1,226.48	336.50	4.645		
14,100.00	7,705.00	13,525.84	7,752.17	180.02	161.07	-92.87	2,210.76	6,805.84	1,563.46	1,222.98	340.47	4.592		
14,200.00	7,705.00	13,628.50	7,751.99	182.68	163.80	-92.86	2,210.95	6,908.51	1,564.95	1,219.09	345.86	4.525		
14,300.00	7,705.00	13,741.42	7,750.80	185.34	166.81	-92.81	2,209.89	7,021.41	1,565.24	1,213.74	351.50	4.453		
14,400.00	7,705.00	13,882.48	7,750.23	188.00	170.58	-92.79	2,206.65	7,162.43	1,564.31	1,206.69	357.62	4.374		
14,500.00	7,705.00	13,990.40	7,749.66	190.67	173.47	-92.78	2,201.73	7,270.24	1,560.99	1,197.91	363.08	4.299		
14,600.00	7,705.00	14,063.57	7,749.97	193.33	175.42	-92.79	2,199.20	7,343.36	1,558.87	1,190.91	367.95	4.237		
14,684.30	7,705.00	14,127.85	7,750.28	195.58	177.14	-92.81	2,197.93	7,407.62	1,558.33	1,186.29	372.04	4.189	CC	
14,700.00	7,705.00	14,139.82	7,750.30	196.00	177.46	-92.81	2,197.79	7,419.59	1,558.34	1,185.55	372.79	4.180		
14,800.00	7,705.00	14,231.91	7,750.44	198.66	179.92	-92.81	2,197.06	7,511.68	1,558.87	1,180.93	377.94	4.125		
14,900.00	7,705.00	14,329.12	7,750.74	201.33	182.52	-92.82	2,196.60	7,608.88	1,559.71	1,176.51	383.20	4.070		
15,000.00	7,705.00	14,434.87	7,751.26	204.00	185.34	-92.84	2,195.98	7,714.63	1,560.47	1,171.80	388.67	4.015		
15,100.00	7,705.00	14,546.58	7,751.24	206.66	188.33	-92.84	2,194.83	7,826.34	1,560.75	1,166.48	394.27	3.959		
15,200.00	7,705.00	14,645.00	7,749.38	209.33	190.96	-92.77	2,193.07	7,924.72	1,560.19	1,160.59	399.60	3.904		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 11-12 2BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 2BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 2195-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
15,201.42	7,705.00	14,645.00	7,749.38	209.37	190.96	-92.77	2,193.07	7,924.72	1,560.19	1,160.55	399.64	3.904 ES		
15,300.00	7,705.00	14,645.00	7,749.38	212.00	190.96	-92.77	2,193.07	7,924.72	1,563.30	1,161.34	401.96	3.889 SF		
15,400.00	7,705.00	14,645.00	7,749.38	214.67	190.96	-92.77	2,193.07	7,924.72	1,572.78	1,170.07	402.71	3.906		
15,500.00	7,705.00	14,645.00	7,749.38	217.34	190.96	-92.77	2,193.07	7,924.72	1,588.50	1,186.61	401.89	3.953		
15,600.00	7,705.00	14,645.00	7,749.38	220.02	190.96	-92.77	2,193.07	7,924.72	1,610.30	1,210.68	399.61	4.030		
15,700.00	7,705.00	14,645.00	7,749.38	222.69	190.96	-92.77	2,193.07	7,924.72	1,637.92	1,241.90	396.01	4.136		
15,800.00	7,705.00	14,645.00	7,749.38	225.36	190.96	-92.77	2,193.07	7,924.72	1,671.07	1,279.81	391.26	4.271		
15,900.00	7,705.00	14,645.00	7,749.38	228.03	190.96	-92.77	2,193.07	7,924.72	1,709.45	1,323.90	385.54	4.434		
16,000.00	7,705.00	14,645.00	7,749.38	230.71	190.96	-92.77	2,193.07	7,924.72	1,752.69	1,373.64	379.05	4.624		
16,100.00	7,705.00	14,645.00	7,749.38	233.38	190.96	-92.77	2,193.07	7,924.72	1,800.45	1,428.50	371.95	4.841		
16,200.00	7,705.00	14,645.00	7,749.38	236.06	190.96	-92.77	2,193.07	7,924.72	1,852.39	1,487.96	364.43	5.083		
16,300.00	7,705.00	14,645.00	7,749.38	238.73	190.96	-92.77	2,193.07	7,924.72	1,908.16	1,551.53	356.63	5.351		
16,400.00	7,705.00	14,645.00	7,749.38	241.41	190.96	-92.77	2,193.07	7,924.72	1,967.43	1,618.77	348.66	5.643		
16,500.00	7,705.00	14,645.00	7,749.38	244.08	190.96	-92.77	2,193.07	7,924.72	2,029.90	1,689.25	340.65	5.959		
16,600.00	7,705.00	14,645.00	7,749.38	246.76	190.96	-92.77	2,193.07	7,924.72	2,095.28	1,762.61	332.68	6.298		
16,700.00	7,705.00	14,645.00	7,749.38	249.44	190.96	-92.77	2,193.07	7,924.72	2,163.31	1,838.51	324.81	6.660		
16,800.00	7,705.00	14,645.00	7,749.38	252.12	190.96	-92.77	2,193.07	7,924.72	2,233.75	1,916.66	317.10	7.044		
16,900.00	7,705.00	14,645.00	7,749.38	254.79	190.96	-92.77	2,193.07	7,924.72	2,306.37	1,996.79	309.58	7.450		
17,000.00	7,705.00	14,645.00	7,749.38	257.47	190.96	-92.77	2,193.07	7,924.72	2,380.98	2,078.69	302.29	7.877		
17,100.00	7,705.00	14,645.00	7,749.38	260.15	190.96	-92.77	2,193.07	7,924.72	2,457.40	2,162.15	295.24	8.323		
17,200.00	7,705.00	14,645.00	7,749.38	262.83	190.96	-92.77	2,193.07	7,924.72	2,535.45	2,247.00	288.45	8.790		
17,300.00	7,705.00	14,645.00	7,749.38	265.51	190.96	-92.77	2,193.07	7,924.72	2,615.00	2,333.09	281.91	9.276		
17,400.00	7,705.00	14,645.00	7,749.38	268.19	190.96	-92.77	2,193.07	7,924.72	2,695.91	2,420.27	275.64	9.780		
17,500.00	7,705.00	14,645.00	7,749.38	270.87	190.96	-92.77	2,193.07	7,924.72	2,778.07	2,508.44	269.63	10.303		
17,600.00	7,705.00	14,645.00	7,749.38	273.55	190.96	-92.77	2,193.07	7,924.72	2,861.36	2,597.48	263.87	10.844		
17,700.00	7,705.00	14,645.00	7,749.38	276.23	190.96	-92.77	2,193.07	7,924.72	2,945.69	2,687.33	258.36	11.401		
17,800.00	7,705.00	14,645.00	7,749.38	278.91	190.96	-92.77	2,193.07	7,924.72	3,030.97	2,777.88	253.09	11.976		
17,900.00	7,705.00	14,645.00	7,749.38	281.59	190.96	-92.77	2,193.07	7,924.72	3,117.13	2,869.08	248.06	12.566		
17,972.40	7,705.00	14,645.00	7,749.38	283.53	190.96	-92.77	2,193.07	7,924.72	3,180.01	2,935.47	244.55	13.004		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 11-12 2BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 2BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													SEC 10-T4S-R65W - EXIST HZ PROSPER FARMS 4-65 11-12 3AH - OWB - FINAL SURVEY	Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG														Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor			
0.00	0.00	0.00	0.00	0.00	0.00	88.81	19.32	930.30	930.64						
100.00	100.00	86.19	86.19	0.13	0.22	88.81	19.33	930.20	930.40	930.05	0.35	2,643.135			
200.00	200.00	184.49	184.49	0.49	0.57	88.80	19.42	930.03	930.23	929.17	1.06	877.174			
213.38	213.38	197.38	197.38	0.54	0.61	88.80	19.47	930.02	930.23	929.07	1.15	806.125			
300.00	300.00	282.51	282.51	0.85	0.91	88.76	20.12	930.13	930.35	928.58	1.76	527.145			
400.00	400.00	382.93	382.92	1.21	1.27	88.71	21.02	930.19	930.43	927.95	2.48	375.381			
500.00	500.00	481.76	481.75	1.57	1.62	88.66	21.76	930.38	930.64	927.45	3.19	291.913			
600.00	599.98	580.96	580.94	1.93	1.97	72.03	22.45	930.63	930.36	926.47	3.90	238.664			
700.00	699.84	681.37	681.35	2.29	2.33	72.32	23.11	930.95	929.10	924.48	4.61	201.359			
800.00	799.45	780.93	780.91	2.65	2.68	72.85	23.64	931.19	926.72	921.39	5.33	173.806			
900.00	898.87	879.97	879.95	3.02	3.03	73.48	23.79	931.48	923.88	917.83	6.05	152.729			
1,000.00	998.28	980.54	980.53	3.40	3.37	74.14	23.67	931.74	921.10	914.33	6.77	136.062			
1,100.00	1,097.69	1,080.36	1,080.34	3.78	3.71	74.80	23.45	931.91	918.35	910.86	7.49	122.610			
1,200.00	1,197.10	1,180.12	1,180.10	4.17	4.05	75.47	23.19	932.03	915.70	907.48	8.21	111.474			
1,300.00	1,296.51	1,280.52	1,280.50	4.55	4.40	76.14	22.98	932.08	913.08	904.13	8.94	102.084			
1,400.00	1,395.93	1,380.06	1,380.04	4.94	4.74	76.82	22.60	932.03	910.51	900.83	9.67	94.114			
1,500.00	1,495.34	1,478.75	1,478.73	5.33	5.08	77.51	22.17	932.04	908.12	897.72	10.41	87.274			
1,600.00	1,594.75	1,577.77	1,577.75	5.72	5.43	78.20	21.72	932.09	905.92	894.78	11.14	81.316			
1,700.00	1,694.16	1,675.28	1,675.26	6.12	5.77	78.87	21.35	932.23	903.93	892.06	11.87	76.129			
1,800.00	1,793.57	1,773.65	1,773.63	6.51	6.11	79.56	20.96	932.62	902.33	889.72	12.61	71.542			
1,900.00	1,892.99	1,873.85	1,873.83	6.90	6.47	80.25	20.71	932.99	900.82	887.46	13.36	67.428			
2,000.00	1,992.40	1,973.51	1,973.48	7.29	6.82	80.94	20.46	933.28	899.37	885.26	14.11	63.758			
2,100.00	2,091.81	2,072.77	2,072.74	7.69	7.17	81.63	20.21	933.58	898.05	883.20	14.85	60.467			
2,200.00	2,191.22	2,171.76	2,171.73	8.08	7.52	82.33	19.91	933.90	896.90	881.30	15.60	57.502			
2,300.00	2,290.63	2,272.62	2,272.59	8.48	7.88	83.03	19.66	934.21	895.86	879.51	16.35	54.790			
2,400.00	2,390.05	2,372.83	2,372.80	8.87	8.24	83.72	19.63	934.40	894.80	877.69	17.10	52.325			
2,500.00	2,489.46	2,472.47	2,472.44	9.27	8.59	84.40	19.78	934.51	893.75	875.91	17.85	50.081			
2,600.00	2,588.87	2,571.33	2,571.30	9.66	8.93	85.07	19.85	934.74	892.96	874.38	18.59	48.038			
2,700.00	2,688.28	2,673.11	2,673.08	10.06	9.29	85.77	19.98	934.79	892.12	872.78	19.34	46.132			
2,800.00	2,787.69	2,772.25	2,772.22	10.45	9.63	86.46	19.95	934.66	891.26	871.18	20.08	44.393			
2,900.00	2,887.11	2,869.79	2,869.76	10.85	9.97	87.15	19.79	934.67	890.70	869.89	20.81	42.794			
3,000.00	2,986.52	2,970.77	2,970.74	11.24	10.32	87.86	19.70	934.80	890.37	868.81	21.56	41.290			
3,100.00	3,085.93	3,069.53	3,069.50	11.64	10.67	88.55	19.68	934.70	889.94	867.64	22.30	39.901			
3,200.00	3,185.34	3,169.63	3,169.60	12.04	11.01	89.25	19.59	934.78	889.83	866.78	23.05	38.607			
3,300.00	3,284.75	3,269.92	3,269.89	12.43	11.36	89.95	19.62	934.67	889.64	865.85	23.79	37.394			
3,361.08	3,345.48	3,330.14	3,330.11	12.67	11.57	90.38	19.55	934.58	889.59	865.35	24.24	36.697			
3,400.00	3,384.17	3,368.35	3,368.32	12.83	11.70	90.64	19.56	934.56	889.61	865.08	24.53	36.269			
3,500.00	3,483.58	3,467.88	3,467.85	13.22	12.05	91.33	19.66	934.58	889.79	864.52	25.27	35.212			
3,600.00	3,582.99	3,567.95	3,567.92	13.62	12.39	92.02	19.72	934.54	890.04	864.03	26.01	34.217			
3,700.00	3,682.40	3,665.56	3,665.53	14.02	12.73	92.70	19.80	934.55	890.48	863.73	26.75	33.292			
3,800.00	3,781.82	3,769.67	3,769.64	14.41	13.10	93.43	19.75	934.36	890.90	863.40	27.51	32.389			
3,900.00	3,881.23	3,868.24	3,868.21	14.81	13.43	94.12	19.73	933.96	891.25	863.01	28.24	31.559			
4,000.00	3,980.64	3,965.59	3,965.56	15.21	13.77	94.80	19.87	933.78	891.87	862.90	28.97	30.783			
4,100.00	4,080.05	4,062.71	4,062.68	15.60	14.11	95.46	19.90	933.85	892.89	863.18	29.71	30.057			
4,200.00	4,179.46	4,162.28	4,162.25	16.00	14.46	96.15	19.88	934.00	894.14	863.69	30.45	29.362			
4,300.00	4,278.88	4,262.35	4,262.31	16.40	14.81	96.83	19.95	934.14	895.48	864.28	31.20	28.704			
4,400.00	4,378.29	4,362.24	4,362.21	16.79	15.16	97.52	19.92	934.14	896.85	864.91	31.94	28.080			
4,500.00	4,477.70	4,461.60	4,461.57	17.19	15.51	98.20	19.95	934.20	898.38	865.70	32.68	27.490			
4,600.00	4,577.11	4,561.66	4,561.63	17.59	15.86	98.87	20.11	934.24	899.96	866.54	33.42	26.928			
4,700.00	4,676.52	4,660.57	4,660.54	17.98	16.20	99.54	20.16	934.21	901.66	867.50	34.16	26.398			
4,800.00	4,775.94	4,759.50	4,759.46	18.38	16.55	100.20	20.26	934.30	903.56	868.67	34.89	25.895			
4,900.00	4,875.35	4,857.92	4,857.88	18.78	16.89	100.87	20.21	934.37	905.64	870.01	35.63	25.417			

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 11-12 2BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 2BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													SEC 10-T4S-R65W - EXIST HZ PROSPER FARMS 4-65 11-12 3AH - OWB - FINAL SURVEY	Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG														Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor			
5,000.00	4,974.76	4,957.93	4,957.90	19.17	17.25	101.54	20.06	934.49	907.93	871.56	36.37	24.961			
5,100.00	5,074.17	5,060.74	5,060.71	19.57	17.61	102.22	20.25	934.51	910.11	872.98	37.12	24.515			
5,200.00	5,173.58	5,159.05	5,159.01	19.97	17.95	102.85	20.69	934.44	912.19	874.33	37.86	24.097			
5,300.00	5,273.00	5,259.69	5,259.65	20.36	18.30	103.51	20.90	934.35	914.48	875.89	38.59	23.695			
5,400.00	5,372.41	5,402.18	5,402.08	20.76	18.79	104.54	21.37	930.60	914.77	875.32	39.45	23.188			
5,500.00	5,471.82	5,549.29	5,548.67	21.16	19.30	105.77	23.66	918.77	909.85	869.62	40.23	22.617			
5,600.00	5,571.23	5,667.16	5,665.74	21.55	19.71	106.79	27.56	905.55	901.58	860.63	40.95	22.016			
5,700.00	5,670.64	5,787.42	5,784.86	21.95	20.13	107.81	33.70	890.30	891.32	849.66	41.65	21.399			
5,800.00	5,770.06	5,903.64	5,899.57	22.35	20.54	108.85	40.67	873.01	878.92	836.58	42.34	20.759			
5,900.00	5,869.47	6,014.56	6,008.63	22.74	20.94	110.05	46.26	853.57	865.15	822.12	43.03	20.108			
6,000.00	5,968.88	6,147.03	6,138.13	23.14	21.43	111.65	53.68	826.73	849.25	805.64	43.61	19.476			
6,100.00	6,068.29	6,271.52	6,258.36	23.54	21.91	113.44	61.55	795.46	829.24	785.06	44.17	18.773			
6,200.00	6,167.70	6,368.89	6,351.76	23.93	22.30	115.09	66.61	768.42	808.53	763.64	44.89	18.009			
6,300.00	6,267.12	6,468.57	6,447.06	24.33	22.70	117.00	70.49	739.48	788.40	742.78	45.61	17.285			
6,400.00	6,366.53	6,568.29	6,541.95	24.73	23.12	119.11	73.89	709.02	768.32	721.98	46.34	16.581			
6,500.00	6,465.94	6,670.81	6,638.93	25.13	23.57	121.53	76.59	675.85	748.53	701.47	47.06	15.907			
6,600.00	6,565.35	6,773.49	6,735.21	25.52	24.04	124.25	78.79	640.26	728.76	680.97	47.79	15.249			
6,700.00	6,664.76	6,880.27	6,834.43	25.92	24.55	127.38	81.25	600.87	709.01	660.49	48.52	14.613			
6,800.00	6,764.18	6,985.67	6,931.40	26.32	25.08	130.74	84.59	559.72	689.16	639.87	49.29	13.983			
6,900.00	6,863.59	7,063.00	7,002.10	26.71	25.49	133.36	87.86	528.57	670.12	619.82	50.30	13.323			
7,000.00	6,963.00	7,128.05	7,062.89	27.11	25.82	135.41	90.51	505.66	656.20	604.90	51.31	12.790			
7,100.00	7,062.41	7,185.82	7,118.80	27.51	26.09	136.84	92.07	491.31	649.64	597.46	52.18	12.450			
7,160.26	7,122.31	7,222.78	7,155.19	27.75	26.24	132.52	92.71	484.94	648.66	596.04	52.62	12.328			
7,200.00	7,161.82	7,251.00	7,183.21	27.90	26.36	129.77	93.02	481.53	649.43	596.54	52.89	12.279			
7,300.00	7,260.26	7,323.85	7,255.93	28.31	26.62	126.63	94.13	478.19	649.68	596.17	53.51	12.141			
7,400.00	7,354.90	7,393.85	7,325.74	28.74	26.84	124.14	95.94	482.54	646.83	592.75	54.07	11.962			
7,500.00	7,442.86	7,460.06	7,390.80	29.18	27.02	120.09	97.58	494.46	642.57	587.98	54.58	11.772			
7,600.00	7,521.47	7,523.45	7,451.44	29.64	27.19	116.36	98.39	512.81	638.22	583.12	55.09	11.584			
7,700.00	7,588.34	7,606.05	7,526.53	30.16	27.39	112.49	99.51	547.01	633.74	577.79	55.95	11.327			
7,800.00	7,641.45	7,691.00	7,596.94	30.79	27.60	108.37	102.75	594.24	628.07	571.07	57.01	11.018			
7,900.00	7,679.17	7,773.73	7,657.19	31.58	27.85	103.59	106.69	650.68	622.66	564.43	58.22	10.694			
8,000.00	7,700.36	7,858.13	7,709.01	32.55	28.17	92.11	110.36	717.09	618.94	559.32	59.62	10.381			
8,100.00	7,705.00	7,952.04	7,754.55	33.68	28.65	96.09	113.86	799.04	617.48	556.29	61.19	10.090			
8,178.62	7,705.00	8,033.04	7,784.63	34.70	29.18	98.91	117.15	874.13	617.17	554.56	62.61	9.858			
8,200.00	7,705.00	8,053.73	7,790.65	34.99	29.34	99.48	117.84	893.90	617.20	554.20	63.00	9.797			
8,300.00	7,705.00	8,157.65	7,809.53	36.45	30.24	101.26	119.64	995.93	617.51	552.30	65.21	9.469			
8,400.00	7,705.00	8,276.37	7,813.12	38.06	31.47	101.63	120.43	1,114.55	616.22	548.04	68.17	9.039			
8,500.00	7,705.00	8,393.01	7,811.41	39.79	32.92	101.56	123.90	1,231.12	611.72	540.22	71.49	8.556			
8,600.00	7,705.00	8,491.88	7,810.11	41.62	34.35	101.54	127.88	1,329.90	606.23	531.47	74.75	8.110			
8,700.00	7,705.00	8,600.18	7,809.49	43.55	36.06	101.62	133.54	1,438.05	599.69	521.27	78.42	7.647			
8,800.00	7,705.00	8,698.37	7,809.32	45.56	37.73	101.74	139.27	1,536.07	592.67	510.62	82.04	7.224			
8,900.00	7,705.00	8,794.09	7,808.68	47.64	39.46	101.80	144.11	1,631.67	586.30	500.52	85.78	6.835			
9,000.00	7,705.00	8,890.35	7,807.97	49.78	41.29	101.85	148.50	1,727.82	580.40	490.74	89.67	6.473			
9,100.00	7,705.00	8,977.44	7,807.70	51.97	43.02	101.91	151.54	1,814.86	575.69	482.29	93.40	6.164			
9,180.58	7,705.00	9,039.28	7,807.31	53.77	44.27	101.89	151.69	1,876.69	574.37	478.17	96.20	5.971			
9,200.00	7,705.00	9,053.81	7,807.18	54.20	44.57	101.87	151.41	1,891.22	574.45	477.59	96.86	5.931			
9,300.00	7,705.00	9,127.91	7,806.42	56.48	46.13	101.75	147.95	1,965.23	577.53	477.32	100.21	5.763			
9,400.00	7,705.00	9,214.93	7,805.57	58.80	47.99	101.55	140.78	2,051.95	584.10	480.00	104.10	5.611			
9,500.00	7,705.00	9,315.14	7,804.75	61.14	50.18	101.31	131.46	2,151.73	591.78	483.13	108.64	5.447			
9,600.00	7,705.00	9,437.15	7,804.06	63.52	52.91	101.11	122.58	2,273.40	597.56	483.36	114.21	5.232			
9,700.00	7,705.00	9,558.76	7,803.91	65.91	55.71	101.06	118.87	2,394.94	599.20	479.50	119.69	5.006			
9,800.00	7,705.00	9,664.59	7,803.74	68.34	58.18	101.05	118.11	2,500.77	598.57	473.98	124.59	4.804			

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 11-12 2BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 2BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													SEC 10-T4S-R65W - EXIST HZ PROSPER FARMS 4-65 11-12 3AH - OWB - FINAL SURVEY	Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG														Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor			
9,900.00	7,705.00	9,781.73	7,803.49	70.78	60.94	101.07	118.71	2,617.91	596.83	466.94	129.89	4.595			
10,000.00	7,705.00	9,909.58	7,802.58	73.24	63.99	101.13	124.77	2,745.60	590.75	455.38	135.37	4.364			
10,100.00	7,705.00	9,998.81	7,801.86	75.71	66.14	101.18	129.96	2,834.67	583.57	443.66	139.91	4.171			
10,200.00	7,705.00	10,085.86	7,801.29	78.20	68.26	101.21	133.60	2,921.64	578.05	433.67	144.38	4.004			
10,300.00	7,705.00	10,180.07	7,800.80	80.70	70.56	101.24	136.07	3,015.82	574.09	425.02	149.07	3.851			
10,400.00	7,705.00	10,265.29	7,800.10	83.22	72.67	101.20	136.66	3,101.03	571.96	418.49	153.47	3.727			
10,470.09	7,705.00	10,330.31	7,799.47	84.99	74.29	101.14	135.96	3,166.04	571.67	414.91	156.76	3.647			
10,500.00	7,705.00	10,358.19	7,799.24	85.75	74.98	101.12	135.50	3,193.92	571.72	413.56	158.16	3.615			
10,600.00	7,705.00	10,445.22	7,798.39	88.28	77.16	101.01	132.90	3,280.90	573.18	410.58	162.60	3.525			
10,700.00	7,705.00	10,532.51	7,797.54	90.83	79.35	100.86	128.28	3,368.07	576.91	409.89	167.02	3.454			
10,800.00	7,705.00	10,625.71	7,797.12	93.38	81.70	100.72	121.75	3,461.03	582.42	410.70	171.72	3.392			
10,900.00	7,705.00	10,739.63	7,796.41	95.95	84.58	100.54	114.24	3,574.70	587.54	409.98	177.56	3.309			
11,000.00	7,705.00	10,829.86	7,795.34	98.52	86.87	100.36	108.84	3,664.76	591.92	409.74	182.18	3.249			
11,100.00	7,705.00	10,919.67	7,793.98	101.09	89.16	100.14	101.89	3,754.29	597.98	411.21	186.77	3.202			
11,200.00	7,705.00	11,042.38	7,792.51	103.67	92.30	99.88	93.54	3,876.70	603.25	410.05	193.20	3.122			
11,300.00	7,705.00	11,135.06	7,791.60	106.26	94.69	99.74	88.44	3,969.23	607.19	409.19	198.00	3.067			
11,400.00	7,705.00	11,223.94	7,790.57	108.85	96.97	99.56	82.29	4,057.89	612.52	409.93	202.59	3.023			
11,500.00	7,705.00	11,333.23	7,789.00	111.45	99.80	99.32	74.09	4,166.86	618.44	410.10	208.35	2.968			
11,600.00	7,705.00	11,600.00	7,787.52	114.06	106.68	99.19	72.56	4,314.49	617.46	398.93	218.53	2.826			
11,700.00	7,705.00	11,609.82	7,786.43	116.66	106.93	99.23	80.48	4,443.07	609.37	388.19	221.19	2.755			
11,800.00	7,705.00	11,689.06	7,785.78	119.27	108.97	99.24	84.09	4,522.22	603.41	377.47	225.94	2.671			
11,900.00	7,705.00	11,809.16	7,784.72	121.89	112.08	99.26	90.68	4,642.13	596.41	364.99	231.42	2.577			
12,000.00	7,705.00	11,901.55	7,784.01	124.51	114.47	99.30	95.97	4,734.36	589.34	352.90	236.44	2.493			
12,100.00	7,705.00	11,995.02	7,783.44	127.13	116.89	99.34	100.63	4,827.72	583.05	341.59	241.46	2.415			
12,200.00	7,705.00	12,082.58	7,782.78	129.75	119.17	99.33	103.13	4,915.23	578.79	332.45	246.34	2.350			
12,300.00	7,705.00	12,175.84	7,781.64	132.38	121.61	99.26	104.62	5,008.48	575.74	324.39	251.36	2.291			
12,371.84	7,705.00	12,234.92	7,780.75	134.27	123.16	99.18	104.37	5,067.54	574.95	320.29	254.66	2.258			
12,400.00	7,705.00	12,257.72	7,780.39	135.01	123.76	99.14	103.91	5,090.34	575.07	319.16	255.91	2.247			
12,500.00	7,705.00	12,336.27	7,779.19	137.64	125.82	98.99	100.47	5,168.80	577.86	317.81	260.05	2.222			
12,600.00	7,705.00	12,427.66	7,777.69	140.28	128.22	98.76	93.94	5,259.94	583.37	318.52	264.84	2.203			
12,700.00	7,705.00	12,544.47	7,775.72	142.91	131.29	98.48	86.35	5,376.48	588.29	317.02	271.27	2.169			
12,800.00	7,705.00	12,649.71	7,773.90	145.55	134.07	98.25	81.31	5,481.59	591.50	314.59	276.91	2.136			
12,900.00	7,705.00	12,761.29	7,772.22	148.19	137.01	98.08	78.77	5,593.12	592.17	309.38	282.79	2.094			
13,000.00	7,705.00	12,867.11	7,770.60	150.84	139.80	97.91	76.58	5,698.90	592.74	304.38	288.36	2.056			
13,100.00	7,705.00	12,979.96	7,769.23	153.48	142.77	97.81	77.19	5,811.74	590.70	296.61	294.09	2.009			
13,200.00	7,705.00	13,072.84	7,767.76	156.13	145.22	97.70	78.07	5,904.60	588.27	289.09	299.18	1.966			
13,292.63	7,705.00	13,156.31	7,766.17	158.58	147.43	97.55	77.39	5,988.05	587.58	283.79	303.79	1.934			
13,300.00	7,705.00	13,162.99	7,766.05	158.78	147.61	97.53	77.28	5,994.74	587.59	283.43	304.16	1.932			
13,400.00	7,705.00	13,258.84	7,764.45	161.43	150.14	97.37	75.22	6,090.55	588.21	278.87	309.33	1.902			
13,500.00	7,705.00	13,349.16	7,763.13	164.08	152.54	97.22	72.57	6,180.82	589.65	275.45	314.20	1.877			
13,600.00	7,705.00	13,448.89	7,761.79	166.73	155.18	97.06	68.18	6,280.44	592.55	273.00	319.55	1.854			
13,700.00	7,705.00	13,573.75	7,760.42	169.39	158.49	96.91	65.47	6,405.26	593.35	267.36	325.99	1.820			
13,800.00	7,705.00	13,691.10	7,759.00	172.04	161.59	96.82	67.66	6,522.58	590.02	258.29	331.73	1.779			
13,900.00	7,705.00	13,793.43	7,757.87	174.70	164.30	96.77	71.45	6,624.83	584.91	247.85	337.06	1.735			
14,000.00	7,705.00	13,884.49	7,756.97	177.36	166.71	96.73	74.17	6,715.84	580.53	238.34	342.19	1.697			
14,100.00	7,705.00	13,994.57	7,754.33	180.02	169.62	96.50	75.88	6,825.87	577.54	229.77	347.77	1.661			
14,200.00	7,705.00	14,100.59	7,753.32	182.68	172.42	96.49	82.12	6,931.69	570.19	217.10	353.09	1.615			
14,300.00	7,705.00	14,193.76	7,752.43	185.34	174.88	96.46	85.72	7,024.79	564.92	206.59	358.33	1.577			
14,400.00	7,705.00	14,277.44	7,751.51	188.00	177.10	96.40	88.28	7,108.42	560.58	197.26	363.31	1.543			
14,446.97	7,705.00	14,311.65	7,751.08	189.25	178.00	96.36	88.17	7,142.63	560.04	194.69	365.36	1.533			
14,500.00	7,705.00	14,358.97	7,750.47	190.67	179.26	96.30	87.10	7,189.93	560.46	192.52	367.94	1.523			
14,600.00	7,705.00	14,456.32	7,749.48	193.33	181.86	96.18	84.51	7,287.25	561.69	188.51	373.17	1.505			

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 11-12 2BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 2BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft	
Survey Program: 25-MWD OWSG													Offset Well Error:		0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor			
14,700.00	7,705.00	14,552.40	7,748.80	196.00	184.42	96.09	81.43	7,383.27	563.50	185.19	378.31	1.490	Level 3		
14,800.00	7,705.00	14,649.40	7,747.75	198.66	187.00	95.96	77.57	7,480.19	566.04	182.52	383.52	1.476	Level 3		
14,900.00	7,705.00	14,750.38	7,746.62	201.33	189.70	95.82	73.39	7,581.08	568.74	179.77	388.98	1.462	Level 3		
15,000.00	7,705.00	14,848.47	7,745.66	204.00	192.31	95.69	69.54	7,679.09	571.25	177.01	394.25	1.449	Level 3		
15,100.00	7,705.00	14,946.27	7,744.53	206.66	194.92	95.55	64.99	7,776.78	574.46	174.96	399.51	1.438	Level 3		
15,200.00	7,705.00	15,057.03	7,743.32	209.33	197.88	95.40	60.52	7,887.44	577.10	171.56	405.54	1.423	Level 3		
15,300.00	7,705.00	15,165.41	7,741.80	212.00	200.77	95.25	58.41	7,995.79	577.60	166.26	411.34	1.404	Level 3		
15,400.00	7,705.00	15,265.14	7,740.32	214.67	203.43	95.10	57.07	8,095.50	577.50	160.77	416.73	1.386	Level 3		
15,500.00	7,705.00	15,372.58	7,738.65	217.34	206.30	94.94	56.19	8,202.91	576.88	154.46	422.42	1.366	Level 3		
15,600.00	7,705.00	15,484.90	7,736.94	220.02	209.29	94.79	57.18	8,315.22	574.58	146.45	428.13	1.342	Level 3		
15,700.00	7,705.00	15,594.17	7,735.32	222.69	212.20	94.67	60.66	8,424.42	569.94	136.33	433.61	1.314	Level 3		
15,800.00	7,705.00	15,692.23	7,734.39	225.36	214.81	94.61	64.20	8,522.41	564.96	126.02	438.94	1.287	Level 3		
15,900.00	7,705.00	15,786.63	7,733.43	228.03	217.32	94.55	67.05	8,616.76	560.57	116.34	444.23	1.262	Level 3		
16,000.00	7,705.00	15,876.48	7,732.61	230.71	219.71	94.49	68.52	8,706.59	557.58	108.21	449.37	1.241	Level 2		
16,100.00	7,705.00	15,972.54	7,731.57	233.38	222.28	94.39	68.28	8,802.64	556.42	101.79	454.63	1.224	Level 2		
16,197.41	7,705.00	16,062.86	7,730.58	235.99	224.69	94.30	68.27	8,892.96	555.13	95.53	459.60	1.208	Level 2, CC		
16,200.00	7,705.00	16,064.87	7,730.55	236.06	224.75	94.29	68.24	8,894.97	555.13	95.41	459.71	1.208	Level 2		
16,300.00	7,705.00	16,149.00	7,729.60	238.73	227.00	94.18	65.36	8,979.04	557.08	92.87	464.21	1.200	Level 2		
16,400.00	7,705.00	16,242.90	7,728.43	241.41	229.51	94.04	61.08	9,072.83	560.25	91.08	469.18	1.194	Level 2		
16,500.00	7,705.00	16,329.03	7,727.41	244.08	231.81	93.90	55.16	9,158.75	565.69	92.31	473.38	1.195	Level 2		
16,600.00	7,705.00	16,423.53	7,726.18	246.76	234.34	93.73	47.28	9,252.91	572.63	94.36	478.27	1.197	Level 2		
16,700.00	7,705.00	16,522.46	7,725.12	249.44	236.99	93.58	38.18	9,351.42	580.43	96.84	483.59	1.200	Level 2		
16,800.00	7,705.00	16,654.17	7,723.45	252.12	240.51	93.37	29.21	9,482.79	586.04	94.42	491.63	1.192	Level 2		
16,900.00	7,705.00	16,745.89	7,722.58	254.79	242.97	93.28	26.45	9,574.47	587.78	91.30	496.48	1.184	Level 2		
17,000.00	7,705.00	16,817.93	7,721.57	257.47	244.90	93.16	21.37	9,646.32	593.50	94.14	499.35	1.189	Level 2		
17,100.00	7,705.00	16,899.52	7,720.62	260.15	247.08	93.02	11.47	9,727.29	604.06	101.51	502.56	1.202	Level 2		
17,200.00	7,705.00	17,050.45	7,718.78	262.83	251.11	92.79	-1.79	9,877.58	611.70	98.69	513.00	1.192	Level 2		
17,300.00	7,705.00	17,174.39	7,717.46	265.51	254.43	92.66	-4.15	10,001.48	612.17	92.64	519.53	1.178	Level 2		
17,400.00	7,705.00	17,280.24	7,716.25	268.19	257.26	92.56	-3.68	10,107.32	610.34	85.27	525.07	1.162	Level 2		
17,500.00	7,705.00	17,378.60	7,715.03	270.87	259.90	92.45	-3.21	10,205.67	608.51	78.09	530.42	1.147	Level 2		
17,600.00	7,705.00	17,481.04	7,713.83	273.55	262.64	92.35	-2.59	10,308.10	606.54	70.68	535.86	1.132	Level 2		
17,700.00	7,705.00	17,580.96	7,712.78	276.23	265.31	92.26	-1.60	10,408.01	604.20	62.97	541.23	1.116	Level 2		
17,800.00	7,705.00	17,678.16	7,711.48	278.91	267.91	92.14	-1.04	10,505.20	602.27	55.72	546.56	1.102	Level 2		
17,900.00	7,705.00	17,778.56	7,710.40	281.59	270.60	92.04	-0.72	10,605.60	600.60	48.65	551.95	1.088	Level 2		
17,959.23	7,705.00	17,827.00	7,709.85	283.18	271.90	91.99	-0.47	10,654.03	599.60	44.82	554.78	1.081	Level 2, ES, SF		
17,972.40	7,705.00	17,827.00	7,709.85	283.53	271.90	91.99	-0.47	10,654.03	599.74	44.93	554.81	1.081	Level 2		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 11-12 2BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 2BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													SEC 10-T4S-R65W - EXIST HZ PROSPER FARMS 4-65 11-12 3BH - OWB - FINAL SURVEY	Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG														Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor			
0.00	0.00	0.00	0.00	0.00	0.00	91.26	-20.38	929.46	929.88						
100.00	100.00	83.42	83.41	0.13	0.21	91.24	-20.11	929.35	929.57	929.23	0.34	2,705.242			
134.89	134.89	115.90	115.89	0.26	0.33	91.22	-19.85	929.31	929.52	928.94	0.58	1,590.586			
200.00	200.00	177.27	177.26	0.49	0.54	91.19	-19.30	929.47	929.68	928.64	1.04	896.653			
300.00	300.00	279.86	279.86	0.85	0.91	91.14	-18.45	929.74	929.92	928.16	1.76	527.725			
400.00	400.00	379.77	379.76	1.21	1.27	91.09	-17.68	929.85	930.02	927.54	2.48	375.234			
500.00	500.00	478.77	478.75	1.57	1.62	91.04	-16.91	930.09	930.24	927.05	3.19	291.474			
600.00	599.98	579.14	579.12	1.93	1.98	74.41	-16.11	930.31	929.98	926.07	3.91	237.928			
700.00	699.84	677.96	677.94	2.29	2.34	74.69	-15.35	930.56	928.82	924.20	4.62	200.999			
800.00	799.45	777.94	777.91	2.65	2.70	75.19	-14.49	930.91	926.88	921.54	5.34	173.480			
900.00	898.87	878.70	878.67	3.02	3.06	75.80	-13.59	931.15	924.36	918.28	6.08	152.142			
1,000.00	998.28	981.24	981.20	3.40	3.42	76.42	-12.88	931.16	921.72	914.90	6.82	135.164			
1,100.00	1,097.69	1,082.62	1,082.58	3.78	3.78	77.05	-12.32	930.86	918.90	911.34	7.56	121.555			
1,200.00	1,197.10	1,182.77	1,182.73	4.17	4.14	77.69	-11.88	930.43	916.05	907.75	8.30	110.420			
1,300.00	1,296.51	1,282.51	1,282.47	4.55	4.49	78.33	-11.46	929.94	913.26	904.23	9.03	101.101			
1,400.00	1,395.93	1,382.02	1,381.98	4.94	4.84	78.98	-11.18	929.40	910.55	900.78	9.77	93.201			
1,500.00	1,495.34	1,481.12	1,481.08	5.33	5.18	79.63	-11.00	928.90	908.01	897.50	10.51	86.431			
1,600.00	1,594.75	1,580.79	1,580.75	5.72	5.53	80.30	-10.85	928.36	905.56	894.31	11.25	80.529			
1,700.00	1,694.16	1,680.20	1,680.15	6.12	5.88	80.97	-10.68	927.84	903.24	891.25	11.99	75.358			
1,800.00	1,793.57	1,779.77	1,779.72	6.51	6.23	81.64	-10.50	927.30	901.02	888.29	12.73	70.789			
1,900.00	1,892.99	1,879.47	1,879.42	6.90	6.58	82.32	-10.47	926.72	898.92	885.45	13.47	66.731			
2,000.00	1,992.40	1,979.18	1,979.13	7.29	6.93	83.00	-10.35	926.10	896.90	882.68	14.22	63.093			
2,100.00	2,091.81	2,078.18	2,078.13	7.69	7.28	83.68	-10.22	925.50	895.00	880.04	14.96	59.830			
2,200.00	2,191.22	2,176.53	2,176.48	8.08	7.63	84.36	-10.15	924.94	893.30	877.60	15.70	56.895			
2,300.00	2,290.63	2,271.63	2,271.57	8.48	7.96	85.02	-10.09	924.77	892.10	875.67	16.43	54.297			
2,400.00	2,390.05	2,371.15	2,371.09	8.87	8.30	85.71	-10.11	924.76	891.21	874.04	17.17	51.911			
2,500.00	2,489.46	2,470.46	2,470.41	9.27	8.64	86.40	-10.10	924.77	890.47	872.57	17.91	49.732			
2,600.00	2,588.87	2,570.09	2,570.04	9.66	8.99	87.10	-10.12	924.75	889.84	871.20	18.64	47.728			
2,700.00	2,688.28	2,669.47	2,669.41	10.06	9.33	87.79	-10.16	924.73	889.34	869.96	19.38	45.887			
2,800.00	2,787.69	2,768.75	2,768.69	10.45	9.67	88.48	-10.12	924.72	888.97	868.85	20.12	44.181			
2,900.00	2,887.11	2,867.74	2,867.68	10.85	10.01	89.17	-10.15	924.74	888.78	867.92	20.85	42.618			
2,997.25	2,983.78	2,964.59	2,964.53	11.23	10.33	89.85	-10.20	924.78	888.73	867.17	21.57	41.209			
3,000.00	2,986.52	2,967.34	2,967.28	11.24	10.34	89.87	-10.20	924.78	888.73	867.15	21.59	41.171			
3,100.00	3,085.93	3,067.34	3,067.28	11.64	10.69	90.57	-10.20	924.77	888.77	866.44	22.33	39.810			
3,200.00	3,185.34	3,166.37	3,166.31	12.04	11.03	91.26	-10.22	924.73	888.90	865.84	23.06	38.542			
3,300.00	3,284.75	3,265.69	3,265.64	12.43	11.37	91.95	-10.22	924.75	889.23	865.43	23.80	37.359			
3,400.00	3,384.17	3,365.08	3,365.02	12.83	11.72	92.64	-10.16	924.78	889.68	865.14	24.54	36.251			
3,500.00	3,483.58	3,464.55	3,464.50	13.22	12.06	93.34	-10.17	924.79	890.26	864.98	25.28	35.214			
3,600.00	3,582.99	3,563.70	3,563.65	13.62	12.41	94.02	-10.14	924.83	890.98	864.96	26.02	34.240			
3,700.00	3,682.40	3,664.91	3,664.85	14.02	12.76	94.72	-10.10	924.79	891.76	864.99	26.77	33.311			
3,800.00	3,781.82	3,764.84	3,764.79	14.41	13.11	95.41	-9.98	924.63	892.53	865.01	27.52	32.433			
3,900.00	3,881.23	3,863.42	3,863.36	14.81	13.46	96.09	-9.85	924.49	893.45	865.18	28.26	31.611			
4,000.00	3,980.64	3,961.52	3,961.47	15.21	13.81	96.76	-9.77	924.48	894.62	865.61	29.00	30.845			
4,100.00	4,080.05	4,060.52	4,060.46	15.60	14.15	97.44	-9.76	924.54	896.01	866.27	29.74	30.129			
4,200.00	4,179.46	4,160.02	4,159.96	16.00	14.49	98.12	-9.77	924.59	897.54	867.07	30.47	29.453			
4,300.00	4,278.88	4,259.49	4,259.44	16.40	14.83	98.80	-9.79	924.65	899.21	868.00	31.21	28.813			
4,400.00	4,378.29	4,359.42	4,359.37	16.79	15.18	99.48	-9.73	924.69	900.95	869.00	31.95	28.198			
4,500.00	4,477.70	4,458.79	4,458.74	17.19	15.53	100.15	-9.67	924.72	902.80	870.11	32.69	27.615			
4,600.00	4,577.11	4,557.84	4,557.79	17.59	15.88	100.81	-9.67	924.72	904.79	871.36	33.43	27.067			
4,700.00	4,676.52	4,657.21	4,657.15	17.98	16.22	101.49	-9.77	924.74	906.95	872.79	34.16	26.549			
4,800.00	4,775.94	4,756.83	4,756.78	18.38	16.57	102.15	-9.68	924.80	909.19	874.30	34.90	26.053			
4,900.00	4,875.35	4,856.87	4,856.81	18.78	16.91	102.82	-9.73	924.78	911.56	875.92	35.64	25.580			

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 11-12 2BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 2BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference				Offset		Semi Major Axis			Distance				Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	4,974.76	4,955.74	4,955.68	19.17	17.26	103.47	-9.72	924.72	913.97	877.60	36.37	25.130		
5,100.00	5,074.17	5,054.89	5,054.83	19.57	17.60	104.12	-9.65	924.82	916.62	879.51	37.11	24.703		
5,200.00	5,173.58	5,154.49	5,154.43	19.97	17.96	104.76	-9.52	924.92	919.35	881.51	37.84	24.293		
5,300.00	5,273.00	5,254.53	5,254.47	20.36	18.31	105.41	-9.46	924.95	922.18	883.59	38.58	23.900		
5,400.00	5,372.41	5,364.81	5,364.75	20.76	18.69	106.15	-9.48	924.20	924.59	885.23	39.36	23.491		
5,500.00	5,471.82	5,519.66	5,519.32	21.16	19.24	107.48	-10.33	915.64	923.33	883.10	40.23	22.953		
5,600.00	5,571.23	5,650.82	5,649.67	21.55	19.70	108.84	-10.52	901.14	917.56	876.58	40.98	22.391		
5,700.00	5,670.64	5,774.51	5,772.22	21.95	20.14	110.14	-8.48	884.53	909.22	867.52	41.70	21.805		
5,800.00	5,770.06	5,883.85	5,880.09	22.35	20.53	111.41	-6.32	866.79	898.71	856.29	42.41	21.189		
5,900.00	5,869.47	5,974.08	5,968.94	22.74	20.86	112.61	-6.12	851.10	888.78	845.63	43.15	20.595		
6,000.00	5,968.88	6,073.30	6,066.60	23.14	21.23	114.03	-7.34	833.63	880.06	836.17	43.88	20.054		
6,100.00	6,068.29	6,183.53	6,174.51	23.54	21.65	115.82	-9.90	811.31	870.61	826.01	44.60	19.520		
6,200.00	6,167.70	6,278.32	6,266.65	23.93	22.01	117.61	-14.01	789.45	861.17	815.83	45.34	18.993		
6,300.00	6,267.12	6,376.84	6,362.18	24.33	22.40	119.59	-19.42	765.98	852.91	806.83	46.08	18.509		
6,400.00	6,366.53	6,473.61	6,455.79	24.73	22.78	121.61	-24.80	742.07	845.16	798.34	46.83	18.048		
6,500.00	6,465.94	6,562.00	6,540.91	25.13	23.14	123.60	-31.11	719.08	838.85	791.27	47.58	17.630		
6,600.00	6,565.35	6,651.27	6,626.41	25.52	23.52	125.77	-39.35	694.79	834.64	786.31	48.33	17.268		
6,700.00	6,664.76	6,756.14	6,726.23	25.92	23.97	128.48	-50.12	664.50	831.82	782.72	49.10	16.940		
6,800.00	6,764.18	6,890.83	6,853.17	26.32	24.59	132.15	-61.42	620.97	827.44	777.53	49.91	16.579		
6,900.00	6,863.59	6,995.53	6,950.46	26.71	25.10	135.22	-68.58	582.99	821.81	771.09	50.72	16.202		
7,000.00	6,963.00	7,093.49	7,040.47	27.11	25.60	138.27	-75.29	544.89	817.25	765.68	51.56	15.850		
7,100.00	7,062.41	7,174.79	7,114.90	27.51	26.03	140.86	-80.68	512.65	814.70	762.33	52.37	15.557		
7,106.92	7,069.29	7,178.62	7,118.45	27.54	26.05	140.38	-80.93	511.25	814.69	762.27	52.42	15.542 CC		
7,200.00	7,161.82	7,232.59	7,169.67	27.90	26.31	134.13	-84.37	494.67	817.21	764.18	53.03	15.411		
7,300.00	7,260.26	7,293.67	7,229.50	28.31	26.57	94.84	-88.04	483.14	821.33	767.76	53.57	15.331		
7,400.00	7,354.90	7,358.62	7,294.21	28.74	26.81	85.97	-91.47	479.82	824.40	770.32	54.08	15.244		
7,500.00	7,442.86	7,432.38	7,367.66	29.18	27.04	83.73	-94.64	485.33	826.09	771.46	54.64	15.120		
7,600.00	7,521.47	7,486.35	7,420.76	29.64	27.19	83.19	-97.23	494.51	827.61	772.58	55.04	15.037		
7,700.00	7,588.34	7,535.00	7,467.92	30.16	27.32	83.48	-101.01	505.79	831.31	775.84	55.47	14.987		
7,800.00	7,641.45	7,583.50	7,513.99	30.79	27.44	84.23	-106.16	520.02	838.21	782.17	56.04	14.957		
7,900.00	7,679.17	7,629.00	7,556.08	31.58	27.55	84.96	-112.19	536.18	849.22	792.45	56.77	14.959		
8,000.00	7,700.36	7,680.41	7,601.84	32.55	27.67	85.93	-120.10	558.20	864.81	807.06	57.75	14.976		
8,100.00	7,705.00	7,737.34	7,649.60	33.68	27.80	87.58	-129.78	587.59	885.13	826.29	58.85	15.041		
8,200.00	7,705.00	7,831.75	7,721.21	34.99	28.04	92.30	-146.40	646.65	910.61	850.34	60.27	15.109		
8,300.00	7,705.00	8,300.00	7,810.90	36.45	30.07	97.91	-170.53	765.89	935.11	871.36	63.75	14.669		
8,400.00	7,705.00	8,304.96	7,886.99	38.06	31.11	102.32	-195.85	1,072.84	941.97	874.67	67.29	13.998		
8,500.00	7,705.00	8,405.34	7,888.09	39.79	32.30	102.36	-199.37	1,173.14	944.35	874.15	70.19	13.453		
8,600.00	7,705.00	8,498.97	7,887.74	41.62	33.54	102.32	-201.98	1,266.73	945.77	872.56	73.21	12.918		
8,700.00	7,705.00	8,552.03	7,887.41	43.55	34.30	102.26	-205.50	1,319.67	950.85	875.27	75.57	12.582		
8,800.00	7,705.00	8,608.55	7,886.82	45.56	35.16	102.16	-212.10	1,375.79	960.71	882.67	78.04	12.310		
8,900.00	7,705.00	8,667.00	7,886.29	47.64	36.09	102.02	-221.39	1,433.49	974.81	894.25	80.56	12.100		
9,000.00	7,705.00	8,770.20	7,885.34	49.78	37.84	101.75	-239.95	1,535.01	990.98	906.52	84.47	11.732		
9,100.00	7,705.00	8,970.45	7,882.81	51.97	41.58	101.36	-263.98	1,733.68	1,000.75	909.40	91.36	10.954		
9,200.00	7,705.00	9,057.34	7,881.70	54.20	43.32	101.23	-271.15	1,820.26	1,007.29	912.09	95.20	10.581		
9,300.00	7,705.00	9,300.00	7,879.89	56.48	48.38	101.05	-279.99	1,969.29	1,011.46	908.66	102.80	9.839		
9,400.00	7,705.00	9,370.07	7,877.71	58.80	49.92	100.98	-278.04	2,132.59	1,007.69	900.87	106.82	9.433		
9,500.00	7,705.00	9,451.51	7,876.34	61.14	51.72	100.93	-276.65	2,214.01	1,004.42	893.50	110.91	9.056		
9,600.00	7,705.00	9,542.88	7,875.01	63.52	53.77	100.86	-276.73	2,305.37	1,002.90	887.61	115.29	8.699		
9,700.00	7,705.00	9,670.73	7,873.26	65.91	56.70	100.80	-274.99	2,433.19	1,000.02	879.41	120.60	8.292		
9,800.00	7,705.00	9,809.36	7,871.84	68.34	59.90	100.81	-268.46	2,571.65	993.95	867.87	126.08	7.884		
9,900.00	7,705.00	9,927.28	7,871.51	70.78	62.66	100.90	-260.33	2,689.29	986.03	854.94	131.09	7.522		
10,000.00	7,705.00	10,066.29	7,871.31	73.24	65.91	101.09	-243.77	2,827.29	972.63	836.32	136.31	7.135		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 11-12 2BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 2BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													SEC 10-T4S-R65W - EXIST HZ PROSPER FARMS 4-65 11-12 3BH - OWB - FINAL SURVEY	Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG														Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor			
10,100.00	7,705.00	10,151.61	7,871.09	75.71	67.93	101.22	-233.22	2,911.96	959.19	818.34	140.85	6.810			
10,200.00	7,705.00	10,218.64	7,870.97	78.20	69.53	101.30	-226.43	2,978.64	948.04	802.91	145.13	6.532			
10,300.00	7,705.00	10,285.67	7,870.81	80.70	71.16	101.35	-222.46	3,045.55	940.79	791.47	149.32	6.300			
10,400.00	7,705.00	10,379.49	7,870.65	83.22	73.46	101.40	-218.51	3,139.28	935.34	781.29	154.06	6.071			
10,500.00	7,705.00	10,473.35	7,870.33	85.75	75.78	101.44	-215.17	3,233.09	930.51	771.69	158.82	5.859			
10,600.00	7,705.00	10,564.81	7,870.07	88.28	78.05	101.47	-212.69	3,324.51	926.51	762.97	163.54	5.665			
10,700.00	7,705.00	10,662.27	7,869.85	90.83	80.49	101.49	-210.66	3,421.95	923.14	754.71	168.43	5.481			
10,800.00	7,705.00	10,771.87	7,869.45	93.38	83.25	101.52	-208.02	3,531.52	919.43	745.79	173.64	5.295			
10,900.00	7,705.00	10,870.46	7,869.31	95.95	85.73	101.57	-204.45	3,630.04	914.58	736.00	178.58	5.121			
11,000.00	7,705.00	10,946.73	7,869.18	98.52	87.67	101.59	-203.21	3,706.30	911.67	728.70	182.96	4.983			
11,072.57	7,705.00	11,004.56	7,869.05	100.38	89.14	101.59	-203.56	3,764.13	911.13	724.95	186.18	4.894			
11,100.00	7,705.00	11,027.31	7,869.02	101.09	89.72	101.59	-203.93	3,786.87	911.20	723.79	187.41	4.862			
11,200.00	7,705.00	11,118.95	7,869.02	103.67	92.07	101.57	-206.28	3,878.48	912.40	720.21	192.19	4.747			
11,300.00	7,705.00	11,222.67	7,869.08	106.26	94.73	101.56	-209.01	3,982.16	913.72	716.33	197.39	4.629			
11,400.00	7,705.00	11,312.15	7,868.62	108.85	97.03	101.52	-211.42	4,071.62	915.01	712.88	202.13	4.527			
11,500.00	7,705.00	11,400.71	7,867.10	111.45	99.32	101.38	-215.62	4,160.06	918.01	711.13	206.87	4.438			
11,600.00	7,705.00	11,500.34	7,865.33	114.06	101.90	101.23	-220.86	4,259.54	921.54	709.48	212.06	4.346			
11,700.00	7,705.00	11,601.25	7,863.78	116.66	104.52	101.09	-225.94	4,360.30	924.90	707.60	217.30	4.256			
11,800.00	7,705.00	11,800.00	7,861.10	119.27	109.66	100.93	-228.47	4,549.75	925.76	700.49	225.27	4.110			
11,900.00	7,705.00	11,918.00	7,859.37	121.89	112.67	100.96	-217.88	4,676.24	915.50	685.02	230.48	3.972			
12,000.00	7,705.00	11,959.77	7,858.69	124.51	113.76	100.95	-216.30	4,717.96	909.73	675.14	234.59	3.878			
12,051.82	7,705.00	11,985.10	7,858.27	125.86	114.42	100.93	-216.34	4,743.30	908.97	672.46	236.51	3.843			
12,100.00	7,705.00	12,012.00	7,857.83	127.13	115.12	100.89	-217.20	4,770.17	909.64	671.37	238.27	3.818			
12,200.00	7,705.00	12,152.00	7,855.73	129.75	118.77	100.75	-219.93	4,910.12	910.07	665.24	244.82	3.717			
12,300.00	7,705.00	12,251.04	7,854.14	132.38	121.36	100.68	-218.77	5,009.13	907.34	657.33	250.01	3.629			
12,400.00	7,705.00	12,361.38	7,852.26	135.01	124.25	100.58	-218.77	5,119.45	905.83	650.32	255.51	3.545			
12,500.00	7,705.00	12,457.59	7,850.71	137.64	126.76	100.52	-216.90	5,215.63	902.36	641.73	260.64	3.462			
12,600.00	7,705.00	12,539.34	7,849.23	140.28	128.91	100.44	-216.84	5,297.37	900.68	635.31	265.37	3.394			
12,631.00	7,705.00	12,564.49	7,848.80	141.09	129.57	100.42	-217.16	5,322.51	900.58	633.77	266.81	3.375			
12,700.00	7,705.00	12,621.62	7,847.85	142.91	131.07	100.35	-218.48	5,379.62	901.04	631.01	270.03	3.337			
12,800.00	7,705.00	12,702.48	7,846.30	145.55	133.20	100.23	-221.69	5,460.40	903.34	628.78	274.56	3.290			
12,900.00	7,705.00	12,780.33	7,844.91	148.19	135.25	100.10	-226.69	5,538.07	908.04	629.21	278.84	3.257			
13,000.00	7,705.00	12,863.76	7,843.42	150.84	137.46	99.94	-233.77	5,621.19	914.82	631.52	283.30	3.229			
13,100.00	7,705.00	12,948.53	7,841.83	153.48	139.69	99.76	-242.44	5,705.50	923.29	635.51	287.78	3.208			
13,200.00	7,705.00	13,030.53	7,840.24	156.13	141.85	99.57	-252.26	5,786.89	933.50	641.49	292.02	3.197			
13,300.00	7,705.00	13,118.25	7,838.55	158.78	144.16	99.36	-264.23	5,873.77	945.36	648.77	296.59	3.187			
13,400.00	7,705.00	13,237.56	7,836.26	161.43	147.31	99.08	-280.34	5,991.96	957.18	653.87	303.31	3.156			
13,500.00	7,705.00	13,427.01	7,832.69	164.08	152.32	98.76	-294.13	6,180.80	962.75	649.62	313.13	3.075			
13,600.00	7,705.00	13,513.74	7,831.04	166.73	154.62	98.65	-296.99	6,267.48	964.43	646.45	317.98	3.033			
13,700.00	7,705.00	13,634.65	7,828.66	169.39	157.83	98.49	-300.87	6,388.30	966.07	641.99	324.08	2.981			
13,800.00	7,705.00	13,789.21	7,825.95	172.04	161.91	98.36	-299.24	6,542.80	963.48	632.84	330.64	2.914			
13,900.00	7,705.00	13,906.46	7,823.92	174.70	165.00	98.31	-293.37	6,659.89	956.95	620.87	336.08	2.847			
14,000.00	7,705.00	13,994.00	7,822.23	177.36	167.30	98.26	-288.57	6,747.28	950.00	608.75	341.25	2.784			
14,100.00	7,705.00	14,068.15	7,820.88	180.02	169.26	98.21	-285.95	6,821.37	945.07	598.91	346.15	2.730			
14,200.00	7,705.00	14,147.69	7,819.56	182.68	171.37	98.14	-285.62	6,900.89	943.08	592.09	350.99	2.687			
14,300.00	7,705.00	14,304.29	7,817.94	185.34	175.51	98.09	-282.44	7,057.41	939.98	582.75	357.22	2.631			
14,400.00	7,705.00	14,421.45	7,817.24	188.00	178.59	98.13	-274.43	7,174.28	931.81	569.35	362.46	2.571			
14,500.00	7,705.00	14,517.78	7,816.71	190.67	181.12	98.17	-266.92	7,270.32	922.73	555.06	367.67	2.510			
14,600.00	7,705.00	14,605.40	7,816.27	193.33	183.42	98.21	-261.12	7,357.74	914.82	541.95	372.87	2.453			
14,700.00	7,705.00	14,697.36	7,815.72	196.00	185.85	98.23	-256.13	7,449.57	908.06	530.00	378.06	2.402			
14,800.00	7,705.00	14,791.38	7,815.06	198.66	188.33	98.24	-251.59	7,543.48	901.89	518.62	383.27	2.353			
14,900.00	7,705.00	14,879.78	7,814.27	201.33	190.68	98.23	-248.15	7,631.81	896.63	508.22	388.41	2.308			

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 11-12 2BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 2BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
15,000.00	7,705.00	14,966.09	7,813.40	204.00	192.97	98.21	-246.21	7,718.09	892.95	499.48	393.47	2.269		
15,100.00	7,705.00	15,058.97	7,812.92	206.66	195.44	98.20	-245.15	7,810.96	890.44	491.84	398.60	2.234		
15,200.00	7,705.00	15,152.93	7,812.37	209.33	197.94	98.18	-244.49	7,904.92	888.38	484.63	403.75	2.200		
15,280.05	7,705.00	15,219.45	7,811.99	211.47	199.71	98.16	-244.90	7,971.43	887.77	480.18	407.60	2.178		
15,300.00	7,705.00	15,237.07	7,811.92	212.00	200.18	98.15	-245.17	7,989.06	887.80	479.22	408.58	2.173		
15,400.00	7,705.00	15,330.57	7,812.05	214.67	202.68	98.15	-247.22	8,082.53	888.67	475.04	413.63	2.148		
15,500.00	7,705.00	15,444.64	7,811.49	217.34	205.72	98.12	-248.48	8,196.58	888.34	468.90	419.44	2.118		
15,552.77	7,705.00	15,492.17	7,811.13	218.75	206.99	98.10	-249.01	8,244.11	888.18	466.10	422.09	2.104		
15,600.00	7,705.00	15,531.22	7,810.87	220.02	208.03	98.08	-249.72	8,283.16	888.38	464.06	424.31	2.094		
15,700.00	7,705.00	15,612.71	7,810.26	222.69	210.21	98.03	-252.57	8,364.59	890.42	461.55	428.87	2.076		
15,800.00	7,705.00	15,702.86	7,809.74	225.36	212.62	97.96	-257.05	8,454.63	893.97	460.23	433.73	2.061		
15,900.00	7,705.00	15,792.74	7,809.29	228.03	215.03	97.90	-262.49	8,544.34	898.60	460.07	438.54	2.049		
16,000.00	7,705.00	15,877.99	7,808.83	230.71	217.31	97.82	-268.85	8,629.35	904.63	461.62	443.00	2.042		
16,100.00	7,705.00	15,961.21	7,808.38	233.38	219.53	97.74	-276.49	8,712.21	912.36	465.14	447.22	2.040		
16,200.00	7,705.00	16,153.11	7,807.40	236.06	224.66	97.64	-283.44	8,803.86	913.30	456.07	457.23	1.997		
16,283.82	7,705.00	16,224.03	7,807.01	238.30	226.56	97.62	-283.80	8,874.78	912.60	451.28	461.32	1.978		
16,300.00	7,705.00	16,237.19	7,806.96	238.73	226.91	97.62	-284.00	8,987.93	912.62	450.54	462.08	1.975		
16,400.00	7,705.00	16,333.41	7,806.53	241.41	229.48	97.58	-286.05	9,084.13	913.37	446.08	467.29	1.955		
16,500.00	7,705.00	16,431.42	7,805.85	244.08	232.11	97.53	-288.23	9,182.11	914.19	441.62	472.57	1.934		
16,600.00	7,705.00	16,533.59	7,805.18	246.76	234.84	97.48	-290.57	9,284.26	915.08	437.06	478.02	1.914		
16,700.00	7,705.00	16,617.32	7,804.61	249.44	237.08	97.44	-293.02	9,367.94	916.60	433.89	482.71	1.899		
16,800.00	7,705.00	16,744.35	7,803.40	252.12	240.49	97.35	-296.09	9,494.92	917.57	428.44	489.13	1.876		
16,813.20	7,705.00	16,753.46	7,803.31	252.47	240.73	97.35	-296.20	9,504.03	917.54	427.83	489.71	1.874		
16,900.00	7,705.00	16,813.41	7,802.80	254.79	242.33	97.31	-297.94	9,563.95	918.81	425.52	493.28	1.863		
17,000.00	7,705.00	16,892.30	7,802.36	257.47	244.45	97.25	-302.35	9,642.71	922.97	425.45	497.52	1.855		
17,100.00	7,705.00	16,991.00	7,801.94	260.15	247.10	97.18	-309.26	9,741.18	928.56	425.72	502.83	1.847		
17,200.00	7,705.00	17,097.59	7,801.13	262.83	249.96	97.09	-316.08	9,847.54	933.52	424.88	508.64	1.835		
17,300.00	7,705.00	17,213.75	7,800.41	265.51	253.07	97.01	-322.12	9,963.54	937.31	422.42	514.88	1.820		
17,400.00	7,705.00	17,315.74	7,799.83	268.19	255.81	96.96	-326.56	10,065.43	940.26	419.90	520.36	1.807		
17,500.00	7,705.00	17,445.94	7,798.90	270.87	259.30	96.88	-330.42	10,195.57	941.97	415.08	526.89	1.788		
17,600.00	7,705.00	17,591.74	7,797.99	273.55	263.19	96.86	-327.42	10,341.31	938.36	405.43	532.92	1.761		
17,700.00	7,705.00	17,672.00	7,796.79	276.23	265.33	96.82	-324.94	10,421.52	933.84	395.70	538.14	1.735		
17,777.31	7,705.00	17,718.35	7,795.69	278.30	266.57	96.76	-324.81	10,467.86	932.47	390.85	541.62	1.722		
17,800.00	7,705.00	17,731.37	7,795.40	278.91	266.92	96.74	-325.09	10,480.87	932.59	390.08	542.51	1.719		
17,900.00	7,705.00	17,806.00	7,793.95	281.59	268.92	96.63	-328.61	10,555.39	935.56	388.78	546.78	1.711		
17,972.40	7,705.00	17,922.19	7,793.15	283.53	272.04	96.56	-332.70	10,671.49	937.40	384.94	552.46	1.697 ES, 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 11-12 2BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 2BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	93.74	-60.81	929.46	931.61					
100.00	100.00	83.32	83.32	0.13	0.21	93.74	-60.74	929.43	931.41	931.07	0.34	2,719.660		
104.75	104.75	87.74	87.74	0.15	0.22	93.74	-60.73	929.43	931.41	931.04	0.38	2,483.219		
200.00	200.00	177.07	177.07	0.49	0.54	93.72	-60.52	929.75	931.74	930.70	1.03	903.228		
300.00	300.00	276.20	276.20	0.85	0.89	93.71	-60.28	930.45	932.43	930.69	1.74	535.734		
400.00	400.00	376.54	376.53	1.21	1.25	93.69	-60.07	931.19	933.14	930.69	2.46	379.926		
500.00	500.00	476.23	476.22	1.57	1.60	93.68	-59.92	931.87	933.82	930.65	3.17	294.576		
600.00	599.98	575.39	575.38	1.93	1.96	77.08	-59.95	932.67	934.24	930.36	3.88	240.725		
700.00	699.84	676.26	676.24	2.29	2.32	77.40	-59.95	933.44	933.84	929.24	4.60	203.046		
800.00	799.45	776.47	776.45	2.65	2.67	77.95	-60.03	934.11	932.64	927.32	5.32	175.301		
900.00	898.87	876.45	876.43	3.02	3.03	78.61	-60.23	934.71	931.06	925.01	6.05	153.938		
1,000.00	998.28	977.10	977.08	3.40	3.39	79.27	-60.34	935.23	929.50	922.71	6.79	136.987		
1,100.00	1,097.69	1,075.28	1,075.26	3.78	3.74	79.92	-60.37	935.72	928.04	920.52	7.52	123.438		
1,200.00	1,197.10	1,174.70	1,174.68	4.17	4.10	80.57	-60.37	936.31	926.78	918.52	8.26	112.217		
1,300.00	1,296.51	1,273.71	1,273.68	4.55	4.45	81.22	-60.40	936.92	925.67	916.67	9.00	102.851		
1,400.00	1,395.93	1,373.00	1,372.97	4.94	4.81	81.88	-60.47	937.55	924.71	914.97	9.74	94.899		
1,500.00	1,495.34	1,472.44	1,472.41	5.33	5.16	82.54	-60.51	938.19	923.88	913.39	10.49	88.071		
1,600.00	1,594.75	1,572.98	1,572.95	5.72	5.52	83.21	-60.65	938.80	923.16	911.91	11.24	82.128		
1,700.00	1,694.16	1,674.72	1,674.69	6.12	5.88	83.90	-60.86	939.14	922.31	910.31	11.99	76.899		
1,800.00	1,793.57	1,775.84	1,775.81	6.51	6.24	84.59	-61.07	939.29	921.40	908.66	12.74	72.325		
1,900.00	1,892.99	1,876.30	1,876.26	6.90	6.58	85.27	-61.27	939.26	920.44	906.96	13.48	68.299		
2,000.00	1,992.40	1,975.75	1,975.71	7.29	6.92	85.95	-61.44	939.18	919.57	905.36	14.21	64.721		
2,100.00	2,091.81	2,074.92	2,074.89	7.69	7.26	86.63	-61.61	939.12	918.84	903.90	14.94	61.495		
2,200.00	2,191.22	2,173.98	2,173.95	8.08	7.60	87.31	-61.74	939.10	918.27	902.59	15.68	58.558		
2,300.00	2,290.63	2,273.38	2,273.34	8.48	7.95	87.98	-61.75	939.14	917.87	901.45	16.42	55.888		
2,400.00	2,390.05	2,373.50	2,373.47	8.87	8.29	88.65	-61.71	939.13	917.53	900.36	17.16	53.462		
2,500.00	2,489.46	2,472.74	2,472.71	9.27	8.63	89.32	-61.64	939.12	917.31	899.41	17.89	51.262		
2,600.00	2,588.87	2,572.07	2,572.04	9.66	8.97	89.99	-61.60	939.09	917.20	898.58	18.63	49.236		
2,609.74	2,598.55	2,581.68	2,581.64	9.70	9.00	90.05	-61.59	939.09	917.20	898.50	18.70	49.047 CC		
2,700.00	2,688.28	2,670.89	2,670.86	10.06	9.31	90.65	-61.49	939.14	917.28	897.92	19.37	47.362		
2,800.00	2,787.69	2,770.10	2,770.07	10.45	9.66	91.32	-61.51	939.20	917.53	897.42	20.11	45.618		
2,900.00	2,887.11	2,870.34	2,870.31	10.85	10.01	92.00	-61.61	939.22	917.89	897.04	20.86	44.007		
3,000.00	2,986.52	2,969.84	2,969.81	11.24	10.35	92.68	-61.63	939.15	918.28	896.69	21.60	42.522		
3,100.00	3,085.93	3,069.70	3,069.67	11.64	10.70	93.35	-61.55	939.14	918.82	896.49	22.33	41.141		
3,200.00	3,185.34	3,168.67	3,168.64	12.04	11.04	94.02	-61.53	939.06	919.44	896.37	23.07	39.853		
3,300.00	3,284.75	3,269.36	3,269.33	12.43	11.39	94.69	-61.49	939.01	920.20	896.38	23.82	38.638		
3,400.00	3,384.17	3,368.40	3,368.36	12.83	11.73	95.35	-61.37	938.87	920.97	896.43	24.55	37.515		
3,500.00	3,483.58	3,467.47	3,467.43	13.22	12.07	96.01	-61.29	938.79	921.95	896.66	25.28	36.465		
3,600.00	3,582.99	3,565.70	3,565.67	13.62	12.41	96.66	-61.19	938.79	923.12	897.10	26.02	35.479		
3,700.00	3,682.40	3,666.69	3,666.66	14.02	12.76	97.33	-61.01	938.83	924.40	897.64	26.77	34.537		
3,800.00	3,781.82	3,767.47	3,767.44	14.41	13.11	97.99	-60.87	938.66	925.64	898.14	27.51	33.652		
3,900.00	3,881.23	3,866.86	3,866.82	14.81	13.45	98.66	-60.84	938.35	926.92	898.68	28.24	32.823		
4,000.00	3,980.64	3,963.84	3,963.81	15.21	13.78	99.30	-60.80	938.21	928.48	899.51	28.97	32.052		
4,100.00	4,080.05	4,062.46	4,062.43	15.60	14.13	99.95	-60.81	938.25	930.34	900.63	29.71	31.318		
4,200.00	4,179.46	4,162.02	4,161.98	16.00	14.48	100.60	-60.86	938.29	932.34	901.89	30.45	30.621		
4,300.00	4,278.88	4,261.35	4,261.31	16.40	14.83	101.25	-60.86	938.34	934.45	903.26	31.19	29.960		
4,400.00	4,378.29	4,360.60	4,360.57	16.79	15.18	101.89	-60.89	938.43	936.73	904.80	31.93	29.335		
4,500.00	4,477.70	4,460.98	4,460.95	17.19	15.53	102.54	-60.91	938.44	939.05	906.37	32.68	28.739		
4,600.00	4,577.11	4,560.33	4,560.30	17.59	15.88	103.19	-60.93	938.38	941.43	908.02	33.41	28.177		
4,700.00	4,676.52	4,659.13	4,659.10	17.98	16.22	103.81	-60.87	938.44	943.99	909.84	34.15	27.645		
4,800.00	4,775.94	4,759.16	4,759.12	18.38	16.57	104.45	-60.89	938.47	946.69	911.80	34.89	27.136		
4,900.00	4,875.35	4,858.43	4,858.39	18.78	16.92	105.08	-60.94	938.39	949.42	913.80	35.62	26.653		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 11-12 2BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 2BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference				Offset			Semi Major Axis			Distance			Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	4,974.76	4,957.51	4,957.47	19.17	17.27	105.70	-60.83	938.49	952.34	915.98	36.36	26.194		
5,100.00	5,074.17	5,057.14	5,057.11	19.57	17.62	106.32	-60.81	938.52	955.36	918.26	37.10	25.752		
5,200.00	5,173.58	5,157.33	5,157.29	19.97	17.97	106.94	-60.75	938.53	958.45	920.61	37.84	25.330		
5,300.00	5,273.00	5,264.67	5,264.63	20.36	18.35	107.63	-60.86	937.90	961.25	922.65	38.60	24.904		
5,400.00	5,372.41	5,394.68	5,394.54	20.76	18.79	108.66	-62.37	933.13	962.32	922.91	39.41	24.416		
5,500.00	5,471.82	5,537.45	5,536.65	21.16	19.28	110.12	-65.11	920.03	959.55	919.35	40.21	23.865		
5,600.00	5,571.23	5,653.09	5,651.23	21.55	19.68	111.49	-67.53	904.56	953.88	912.95	40.94	23.302		
5,700.00	5,670.64	5,749.26	5,746.21	21.95	20.01	112.77	-70.68	889.89	947.92	906.26	41.65	22.757		
5,800.00	5,770.06	5,833.11	5,828.97	22.35	20.31	113.95	-74.64	876.99	943.27	900.91	42.36	22.268		
5,900.00	5,869.47	5,909.38	5,904.27	22.74	20.58	115.07	-79.60	865.90	940.96	897.91	43.04	21.861		
6,000.00	5,968.88	6,013.80	6,007.22	23.14	20.95	116.68	-88.09	850.69	940.34	896.57	43.77	21.483		
6,100.00	6,068.29	6,129.39	6,120.69	23.54	21.37	118.61	-97.74	830.91	938.78	894.26	44.52	21.086		
6,200.00	6,167.70	6,258.83	6,246.56	23.93	21.86	121.04	-108.94	802.94	935.19	889.91	45.28	20.654		
6,300.00	6,267.12	6,353.96	6,338.07	24.33	22.23	123.04	-117.80	778.52	930.51	884.50	46.01	20.223		
6,400.00	6,366.53	6,430.41	6,411.23	24.73	22.53	124.76	-126.85	758.29	928.44	881.73	46.72	19.874		
6,414.26	6,380.71	6,441.05	6,421.38	24.79	22.58	125.01	-128.29	755.44	928.41	881.60	46.81	19.832		
6,500.00	6,465.94	6,505.95	6,483.07	25.13	22.84	126.57	-138.06	737.83	929.66	882.27	47.39	19.618		
6,600.00	6,565.35	6,590.01	6,562.49	25.52	23.20	128.67	-152.38	714.31	933.67	885.61	48.07	19.424		
6,700.00	6,664.76	6,673.18	6,640.15	25.92	23.57	130.88	-168.48	689.30	940.23	891.50	48.73	19.296		
6,800.00	6,764.18	6,766.93	6,726.38	26.32	24.00	133.54	-188.50	658.40	949.08	899.64	49.44	19.197		
6,900.00	6,863.59	6,862.83	6,813.45	26.71	24.47	136.35	-209.51	624.17	959.55	909.38	50.17	19.126		
7,000.00	6,963.00	6,960.07	6,900.79	27.11	24.98	139.27	-230.83	587.12	971.64	920.73	50.91	19.084		
7,100.00	7,062.41	7,056.31	6,986.90	27.51	25.50	142.14	-251.21	549.29	985.32	933.66	51.66	19.073		
7,200.00	7,161.82	7,120.12	7,044.19	27.90	25.85	135.60	-264.90	524.75	1,001.90	949.79	52.11	19.228		
7,300.00	7,260.26	7,154.00	7,074.81	28.31	26.04	94.49	-272.57	512.44	1,019.84	967.68	52.16	19.554		
7,400.00	7,354.90	7,208.04	7,124.23	28.74	26.33	84.42	-286.10	495.31	1,037.48	985.13	52.35	19.817		
7,500.00	7,442.86	7,248.00	7,161.23	29.18	26.54	80.05	-297.44	485.42	1,056.24	1,003.88	52.36	20.174		
7,600.00	7,521.47	7,282.21	7,193.21	29.64	26.70	77.50	-307.76	478.97	1,075.72	1,023.43	52.29	20.571		
7,700.00	7,588.34	7,322.66	7,231.34	30.16	26.89	76.15	-320.26	473.94	1,095.83	1,043.35	52.48	20.882		
7,800.00	7,641.45	7,371.10	7,277.25	30.79	27.08	75.68	-335.46	471.59	1,116.62	1,063.60	53.02	21.060		
7,900.00	7,679.17	7,432.54	7,335.69	31.58	27.31	76.12	-354.18	474.16	1,137.76	1,083.71	54.05	21.051		
8,000.00	7,700.36	7,469.43	7,370.61	32.55	27.43	75.56	-365.19	478.64	1,159.73	1,104.81	54.92	21.118		
8,100.00	7,705.00	7,498.46	7,397.82	33.68	27.52	75.30	-373.94	483.68	1,183.39	1,127.52	55.87	21.181		
8,200.00	7,705.00	7,543.59	7,439.49	34.99	27.64	77.48	-387.66	494.21	1,212.72	1,155.60	57.12	21.232		
8,300.00	7,705.00	7,935.49	7,719.09	36.45	28.36	91.47	-483.24	737.68	1,237.74	1,175.47	62.27	19.876		
8,400.00	7,705.00	8,400.00	7,805.68	38.06	32.23	95.42	-515.08	1,021.17	1,247.29	1,178.40	68.88	18.107		
8,500.00	7,705.00	8,433.60	7,806.80	39.79	32.85	95.47	-517.35	1,217.85	1,245.72	1,174.06	71.66	17.384		
8,600.00	7,705.00	8,519.33	7,805.79	41.62	34.08	95.43	-517.11	1,303.58	1,244.00	1,169.28	74.71	16.651		
8,700.00	7,705.00	8,625.88	7,804.62	43.55	35.76	95.39	-517.19	1,410.12	1,242.68	1,164.32	78.36	15.859		
8,800.00	7,705.00	8,753.39	7,803.91	45.56	37.93	95.37	-515.24	1,537.61	1,239.82	1,157.20	82.62	15.006		
8,900.00	7,705.00	8,853.44	7,802.74	47.64	39.76	95.33	-512.54	1,637.61	1,235.72	1,149.16	86.55	14.277		
9,000.00	7,705.00	8,960.96	7,801.19	49.78	41.83	95.28	-509.38	1,745.08	1,231.36	1,140.56	90.80	13.561		
9,100.00	7,705.00	9,074.37	7,799.97	51.97	44.10	95.25	-505.09	1,858.40	1,226.20	1,130.90	95.30	12.867		
9,200.00	7,705.00	9,186.04	7,798.30	54.20	46.42	95.20	-499.51	1,969.92	1,219.76	1,119.88	99.88	12.212		
9,300.00	7,705.00	9,279.98	7,796.90	56.48	48.42	95.16	-494.55	2,063.72	1,213.08	1,108.90	104.18	11.644		
9,400.00	7,705.00	9,354.98	7,796.24	58.80	50.06	95.15	-491.39	2,138.64	1,207.59	1,099.46	108.13	11.168		
9,500.00	7,705.00	9,417.00	7,795.89	61.14	51.43	95.14	-490.53	2,200.65	1,204.88	1,093.10	111.78	10.779		
9,565.30	7,705.00	9,469.31	7,795.65	62.69	52.62	95.13	-490.92	2,252.97	1,204.49	1,090.01	114.48	10.522		
9,600.00	7,705.00	9,496.29	7,795.51	63.52	53.23	95.12	-491.37	2,279.94	1,204.60	1,088.72	115.88	10.395		
9,700.00	7,705.00	9,605.22	7,794.90	65.91	55.73	95.09	-493.39	2,388.85	1,205.12	1,084.29	120.83	9.974		
9,737.21	7,705.00	9,641.23	7,794.68	66.81	56.57	95.08	-493.86	2,424.85	1,205.10	1,082.53	122.57	9.832		
9,800.00	7,705.00	9,701.76	7,794.30	68.34	57.99	95.06	-494.74	2,485.37	1,205.15	1,079.66	125.50	9.603		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 11-12 2BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 2BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													SEC 10-T4S-R65W - EXIST HZ PROSPER FARMS 4-65 11-12 3CH - OWB - FINAL SURVEY	Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG														Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor			
9,900.00	7,705.00	9,764.77	7,793.69	70.78	59.48	95.03	-496.74	2,548.35	1,206.90	1,077.66	129.24	9.339			
10,000.00	7,705.00	9,827.87	7,792.74	73.24	60.98	94.97	-500.66	2,611.31	1,211.67	1,078.76	132.91	9.116			
10,100.00	7,705.00	9,893.38	7,791.64	75.71	62.56	94.90	-506.79	2,676.53	1,219.48	1,082.89	136.59	8.928			
10,200.00	7,705.00	10,200.00	7,790.00	78.20	70.02	94.78	-519.18	2,835.68	1,225.64	1,078.52	147.13	8.330			
10,300.00	7,705.00	10,240.74	7,788.71	80.70	71.03	94.72	-521.21	3,023.30	1,224.55	1,073.54	151.01	8.109			
10,400.00	7,705.00	10,357.10	7,787.73	83.22	73.90	94.69	-518.46	3,139.61	1,220.80	1,064.41	156.40	7.806			
10,500.00	7,705.00	10,465.89	7,787.38	85.75	76.60	94.69	-514.84	3,248.35	1,216.15	1,054.55	161.60	7.526			
10,600.00	7,705.00	10,535.94	7,787.16	88.28	78.35	94.69	-513.29	3,318.38	1,212.55	1,046.63	165.91	7.308			
10,700.00	7,705.00	10,615.98	7,786.63	90.83	80.36	94.67	-513.04	3,398.41	1,210.87	1,040.42	170.44	7.104			
10,800.00	7,705.00	10,708.32	7,786.12	93.38	82.69	94.65	-513.90	3,490.75	1,210.43	1,035.12	175.31	6.905			
10,900.00	7,705.00	10,844.40	7,785.34	95.95	86.14	94.62	-513.80	3,626.82	1,209.13	1,027.77	181.36	6.667			
11,000.00	7,705.00	10,925.00	7,784.87	98.52	88.18	94.61	-512.55	3,707.41	1,206.31	1,020.34	185.97	6.486			
11,085.75	7,705.00	10,991.05	7,784.27	100.72	89.87	94.58	-512.47	3,773.46	1,205.16	1,015.34	189.82	6.349			
11,100.00	7,705.00	11,000.30	7,784.16	101.09	90.10	94.58	-512.62	3,782.70	1,205.19	1,014.78	190.40	6.330			
11,200.00	7,705.00	11,079.62	7,783.11	103.67	92.14	94.52	-514.92	3,861.98	1,206.62	1,011.71	194.91	6.191			
11,300.00	7,705.00	11,169.58	7,781.86	106.26	94.45	94.45	-518.55	3,951.85	1,209.23	1,009.48	199.75	6.054			
11,400.00	7,705.00	11,255.00	7,780.99	108.85	96.65	94.40	-522.64	4,037.18	1,212.64	1,008.22	204.41	5.932			
11,500.00	7,705.00	11,339.87	7,780.10	111.45	98.85	94.34	-527.99	4,121.88	1,217.52	1,008.48	209.05	5.824			
11,600.00	7,705.00	11,490.54	7,778.94	114.06	102.75	94.27	-536.54	4,272.28	1,222.32	1,006.32	216.00	5.659			
11,700.00	7,705.00	11,581.37	7,778.35	116.66	105.11	94.23	-539.19	4,363.07	1,223.88	1,002.97	220.91	5.540			
11,800.00	7,705.00	11,685.40	7,777.66	119.27	107.82	94.20	-542.55	4,467.04	1,225.75	999.50	226.25	5.418			
11,900.00	7,705.00	11,820.20	7,776.88	121.89	111.33	94.16	-544.84	4,601.82	1,226.14	993.63	232.50	5.274			
12,000.00	7,705.00	11,953.55	7,775.79	124.51	114.79	94.12	-543.05	4,735.14	1,223.38	984.84	238.55	5.129			
12,100.00	7,705.00	12,101.20	7,774.72	127.13	118.62	94.09	-537.35	4,882.67	1,218.49	973.86	244.63	4.981			
12,200.00	7,705.00	12,218.96	7,773.82	129.75	121.66	94.09	-527.47	5,000.01	1,208.56	958.51	250.06	4.833			
12,300.00	7,705.00	12,287.25	7,773.39	132.38	123.43	94.09	-522.75	5,068.14	1,200.39	945.56	254.83	4.711			
12,400.00	7,705.00	12,351.87	7,773.04	135.01	125.11	94.08	-520.29	5,132.70	1,195.21	935.83	259.38	4.608			
12,500.00	7,705.00	12,430.22	7,772.53	137.64	127.16	94.07	-519.09	5,211.04	1,192.33	928.22	264.11	4.515			
12,549.74	7,705.00	12,456.47	7,772.31	138.95	127.85	94.06	-519.15	5,237.29	1,191.81	925.74	266.07	4.479			
12,600.00	7,705.00	12,480.75	7,772.06	140.28	128.49	94.04	-519.75	5,261.56	1,192.35	924.49	267.87	4.451			
12,700.00	7,705.00	12,530.00	7,771.45	142.91	129.78	94.01	-522.61	5,310.72	1,196.70	925.56	271.13	4.414			
12,800.00	7,705.00	12,845.50	7,766.59	145.55	138.02	93.80	-518.52	5,625.16	1,193.67	912.03	281.64	4.238			
12,900.00	7,705.00	12,907.00	7,765.41	148.19	139.62	93.76	-514.25	5,686.48	1,184.71	898.12	286.59	4.134			
13,000.00	7,705.00	12,935.12	7,764.83	150.84	140.36	93.73	-513.60	5,714.59	1,179.83	889.27	290.56	4.061			
13,048.97	7,705.00	12,957.17	7,764.38	152.13	140.94	93.71	-513.67	5,736.63	1,179.27	886.87	292.40	4.033			
13,100.00	7,705.00	12,980.15	7,763.91	153.48	141.54	93.69	-514.28	5,759.60	1,179.88	885.72	294.16	4.011			
13,200.00	7,705.00	13,027.19	7,762.98	156.13	142.78	93.64	-517.17	5,806.54	1,184.54	887.29	297.25	3.985			
13,300.00	7,705.00	13,075.96	7,762.08	158.78	144.07	93.58	-522.24	5,855.03	1,193.52	893.64	299.88	3.980			
13,400.00	7,705.00	13,139.46	7,761.03	161.43	145.74	93.51	-531.39	5,917.86	1,206.36	903.39	302.97	3.982			
13,500.00	7,705.00	13,333.02	7,758.45	164.08	150.85	93.32	-556.57	6,109.67	1,219.31	905.84	313.47	3.890			
13,600.00	7,705.00	13,492.89	7,756.14	166.73	155.09	93.20	-564.27	6,269.32	1,222.45	901.29	321.16	3.806			
13,700.00	7,705.00	13,606.81	7,754.50	169.39	158.11	93.12	-567.17	6,383.19	1,223.64	896.71	326.93	3.743			
13,800.00	7,705.00	13,718.06	7,752.83	172.04	161.06	93.04	-568.07	6,494.42	1,223.01	890.43	332.58	3.677			
13,877.49	7,705.00	13,788.16	7,751.60	174.10	162.92	92.98	-568.82	6,564.51	1,222.75	886.26	336.49	3.634			
13,900.00	7,705.00	13,808.11	7,751.28	174.70	163.45	92.97	-569.12	6,584.45	1,222.78	885.16	337.61	3.622			
14,000.00	7,705.00	13,896.73	7,750.03	177.36	165.81	92.91	-570.94	6,673.04	1,223.45	880.87	342.58	3.571			
14,100.00	7,705.00	13,995.94	7,748.60	180.02	168.44	92.84	-573.71	6,772.20	1,224.86	876.97	347.89	3.521			
14,200.00	7,705.00	14,097.22	7,747.21	182.68	171.14	92.77	-576.11	6,873.44	1,225.85	872.58	353.26	3.470			
14,300.00	7,705.00	14,193.97	7,746.30	185.34	173.71	92.72	-578.65	6,970.15	1,227.12	868.63	358.49	3.423			
14,400.00	7,705.00	14,275.02	7,745.77	188.00	175.87	92.70	-581.23	7,051.16	1,229.01	865.87	363.14	3.384			
14,500.00	7,705.00	14,359.41	7,744.74	190.67	178.12	92.64	-585.70	7,135.43	1,232.88	865.02	367.86	3.352			
14,600.00	7,705.00	14,480.78	7,743.13	193.33	181.36	92.56	-591.66	7,256.64	1,236.48	862.43	374.04	3.306			

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 11-12 2BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 2BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													SEC 10-T4S-R65W - EXIST HZ PROSPER FARMS 4-65 11-12 3CH - OWB - FINAL SURVEY	Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG														Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor			
14,700.00	7,705.00	14,604.29	7,741.38	196.00	184.65	92.47	-595.08	7,380.08	1,237.84	857.66	380.18	3.256			
14,800.00	7,705.00	14,713.54	7,740.09	198.66	187.56	92.41	-596.74	7,489.31	1,238.01	852.21	385.80	3.209			
14,813.50	7,705.00	14,724.45	7,739.97	199.02	187.85	92.41	-596.90	7,500.22	1,238.01	851.56	386.45	3.204			
14,900.00	7,705.00	14,808.78	7,739.05	201.33	190.10	92.36	-598.19	7,584.54	1,238.17	847.16	391.00	3.167			
15,000.00	7,705.00	14,932.60	7,737.80	204.00	193.40	92.31	-599.14	7,708.35	1,237.63	840.64	396.99	3.118			
15,100.00	7,705.00	15,075.41	7,736.80	206.66	197.19	92.27	-596.06	7,851.12	1,234.13	831.03	403.10	3.062			
15,200.00	7,705.00	15,184.15	7,735.87	209.33	200.07	92.24	-591.44	7,959.75	1,228.54	820.02	408.52	3.007			
15,300.00	7,705.00	15,266.92	7,735.16	212.00	202.26	92.21	-588.32	8,042.45	1,223.42	809.78	413.64	2.958			
15,400.00	7,705.00	15,350.89	7,734.49	214.67	204.49	92.19	-586.18	8,126.40	1,219.53	800.83	418.70	2.913			
15,500.00	7,705.00	15,436.94	7,733.79	217.34	206.78	92.16	-585.05	8,212.44	1,216.87	793.12	423.75	2.872			
15,600.00	7,705.00	15,536.01	7,732.73	220.02	209.42	92.11	-584.45	8,311.50	1,214.93	785.85	429.08	2.831			
15,700.00	7,705.00	15,638.76	7,731.88	222.69	212.16	92.07	-583.64	8,414.24	1,212.79	778.31	434.48	2.791			
15,800.00	7,705.00	15,749.22	7,730.95	225.36	215.11	92.03	-582.17	8,524.68	1,210.13	770.09	440.04	2.750			
15,900.00	7,705.00	15,851.14	7,730.05	228.03	217.82	92.00	-580.25	8,626.58	1,206.91	761.49	445.42	2.710			
16,000.00	7,705.00	15,950.50	7,729.11	230.71	220.47	91.96	-578.47	8,725.93	1,203.77	753.02	450.76	2.671			
16,100.00	7,705.00	16,055.10	7,728.14	233.38	223.25	91.92	-576.09	8,830.50	1,200.15	743.97	456.18	2.631			
16,200.00	7,705.00	16,149.61	7,727.28	236.06	225.77	91.88	-574.23	8,924.99	1,196.84	735.41	461.43	2.594			
16,300.00	7,705.00	16,249.68	7,726.42	238.73	228.44	91.85	-572.40	9,025.03	1,193.67	726.89	466.78	2.557			
16,400.00	7,705.00	16,337.81	7,725.66	241.41	230.79	91.81	-570.95	9,113.14	1,190.73	718.83	471.89	2.523			
16,500.00	7,705.00	16,412.60	7,724.99	244.08	232.79	91.78	-571.14	9,187.93	1,189.63	713.04	476.59	2.496			
16,503.30	7,705.00	16,415.17	7,724.97	244.17	232.86	91.78	-571.17	9,190.50	1,189.63	712.89	476.74	2.495			
16,600.00	7,705.00	16,493.00	7,724.29	246.76	234.94	91.75	-572.92	9,268.31	1,190.50	709.20	481.29	2.474			
16,700.00	7,705.00	16,583.78	7,723.51	249.44	237.37	91.71	-576.04	9,359.03	1,192.58	706.28	486.30	2.452			
16,800.00	7,705.00	16,695.02	7,722.56	252.12	240.35	91.66	-579.65	9,470.21	1,194.49	702.40	492.09	2.427			
16,900.00	7,705.00	16,763.50	7,721.64	254.79	242.19	91.61	-582.67	9,538.61	1,197.45	701.30	496.15	2.413			
17,000.00	7,705.00	16,868.63	7,720.25	257.47	245.01	91.54	-588.34	9,643.58	1,201.51	699.75	501.76	2.395			
17,100.00	7,705.00	16,928.67	7,719.65	260.15	246.62	91.51	-592.28	9,703.49	1,206.76	701.71	505.05	2.389			
17,200.00	7,705.00	16,991.04	7,718.73	262.83	248.29	91.46	-598.47	9,765.54	1,215.29	707.32	507.97	2.392			
17,300.00	7,705.00	17,058.00	7,717.67	265.51	250.08	91.40	-606.94	9,831.95	1,226.60	715.78	510.83	2.401			
17,400.00	7,705.00	17,303.69	7,714.97	268.19	256.66	91.26	-624.47	10,076.83	1,231.08	706.49	524.60	2.347			
17,500.00	7,705.00	17,414.90	7,713.98	270.87	259.64	91.21	-626.00	10,188.04	1,231.10	700.79	530.31	2.321			
17,600.00	7,705.00	17,531.50	7,712.88	273.55	262.76	91.16	-626.78	10,304.62	1,230.45	694.34	536.11	2.295			
17,700.00	7,705.00	17,672.22	7,711.58	276.23	266.52	91.10	-623.89	10,445.30	1,226.97	684.85	542.12	2.263			
17,800.00	7,705.00	17,775.04	7,710.56	278.91	269.26	91.06	-619.96	10,548.04	1,221.82	674.32	547.50	2.232			
17,900.00	7,705.00	17,871.27	7,709.64	281.59	271.82	91.02	-616.61	10,644.21	1,217.00	664.18	552.82	2.201			
17,972.40	7,705.00	17,906.00	7,709.36	283.53	272.75	91.01	-615.43	10,678.92	1,214.17	658.06	556.11	2.183 ES, 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 11-12 2BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 2BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													SEC 10-T4S-R65W - EXIST HZ PROSPER FARMS 4-65 11-12 3DH - OWB - FINAL SURVEY	Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG														Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor			
0.00	0.00	0.00	0.00	0.00	0.00	96.15	-100.16	928.90	934.42						
100.00	100.00	84.76	84.76	0.13	0.21	96.14	-99.91	928.90	934.26	933.91	0.35	2,679.893			
132.73	132.73	116.73	116.73	0.25	0.33	96.12	-99.65	928.92	934.25	933.67	0.58	1,609.745			
200.00	200.00	182.39	182.39	0.49	0.56	96.09	-99.16	929.03	934.31	933.25	1.06	884.334			
300.00	300.00	280.07	280.07	0.85	0.91	96.05	-98.51	929.39	934.60	932.84	1.76	529.787			
400.00	400.00	379.29	379.28	1.21	1.27	96.01	-97.89	929.92	935.07	932.60	2.48	377.520			
500.00	500.00	479.65	479.64	1.57	1.63	95.96	-97.22	930.49	935.56	932.37	3.19	292.882			
600.00	599.98	580.49	580.47	1.93	1.99	79.33	-96.58	930.99	935.67	931.75	3.91	239.120			
700.00	699.84	681.42	681.41	2.29	2.35	79.63	-96.05	931.35	935.01	930.37	4.63	201.818			
800.00	799.45	781.38	781.36	2.65	2.71	80.15	-95.57	931.67	933.73	928.38	5.36	174.366			
900.00	898.87	882.22	882.20	3.02	3.07	80.79	-95.19	931.86	932.08	926.00	6.09	153.095			
1,000.00	998.28	981.72	981.70	3.40	3.43	81.41	-94.65	931.97	930.43	923.61	6.82	136.387			
1,100.00	1,097.69	1,081.36	1,081.34	3.78	3.78	82.03	-94.04	932.14	928.94	921.38	7.56	122.870			
1,200.00	1,197.10	1,182.21	1,182.19	4.17	4.14	82.67	-93.54	932.18	927.46	919.15	8.31	111.673			
1,300.00	1,296.51	1,282.74	1,282.72	4.55	4.50	83.30	-93.02	932.08	925.94	916.89	9.05	102.323			
1,400.00	1,395.93	1,383.08	1,383.05	4.94	4.85	83.95	-92.54	931.88	924.44	914.65	9.79	94.402			
1,500.00	1,495.34	1,483.33	1,483.30	5.33	5.21	84.59	-92.02	931.59	922.97	912.43	10.54	87.597			
1,600.00	1,594.75	1,581.82	1,581.79	5.72	5.56	85.22	-91.59	931.31	921.63	910.36	11.27	81.742			
1,700.00	1,694.16	1,681.51	1,681.47	6.12	5.90	85.88	-91.37	931.02	920.46	908.44	12.01	76.610			
1,800.00	1,793.57	1,782.52	1,782.49	6.51	6.25	86.56	-91.13	930.60	919.28	906.52	12.76	72.049			
1,900.00	1,892.99	1,882.36	1,882.33	6.90	6.60	87.23	-90.95	930.06	918.11	904.62	13.50	68.014			
2,000.00	1,992.40	1,981.43	1,981.39	7.29	6.95	87.90	-90.82	929.51	917.08	902.85	14.24	64.418			
2,100.00	2,091.81	2,080.63	2,080.59	7.69	7.29	88.57	-90.66	929.01	916.22	901.24	14.98	61.177			
2,200.00	2,191.22	2,178.05	2,178.01	8.08	7.63	89.22	-90.49	928.58	915.53	899.82	15.71	58.266			
2,276.32	2,267.09	2,250.63	2,250.59	8.38	7.89	89.71	-90.38	928.52	915.36	899.09	16.27	56.261	CC		
2,300.00	2,290.63	2,274.25	2,274.21	8.48	7.97	89.87	-90.36	928.54	915.36	898.91	16.45	55.655			
2,400.00	2,390.05	2,373.65	2,373.61	8.87	8.32	90.53	-90.26	928.60	915.43	898.24	17.19	53.248			
2,500.00	2,489.46	2,472.84	2,472.80	9.27	8.66	91.21	-90.33	928.67	915.69	897.76	17.92	51.085			
2,600.00	2,588.87	2,573.69	2,573.65	9.66	9.00	91.90	-90.44	928.63	915.97	897.31	18.66	49.092			
2,700.00	2,688.28	2,673.06	2,673.02	10.06	9.34	92.58	-90.52	928.47	916.28	896.88	19.39	47.244			
2,800.00	2,787.69	2,771.57	2,771.53	10.45	9.69	93.24	-90.45	928.49	916.82	896.68	20.14	45.533			
2,900.00	2,887.11	2,870.20	2,870.16	10.85	10.03	93.90	-90.41	928.55	917.54	896.67	20.88	43.952	ES		
3,000.00	2,986.52	2,970.81	2,970.77	11.24	10.38	94.58	-90.38	928.66	918.44	896.82	21.62	42.476			
3,100.00	3,085.93	3,070.53	3,070.49	11.64	10.74	95.24	-90.27	928.60	919.28	896.91	22.37	41.094			
3,200.00	3,185.34	3,169.69	3,169.65	12.04	11.09	95.90	-90.18	928.60	920.30	897.19	23.12	39.809			
3,300.00	3,284.75	3,270.73	3,270.69	12.43	11.45	96.58	-90.09	928.53	921.39	897.51	23.87	38.597			
3,400.00	3,384.17	3,370.83	3,370.79	12.83	11.80	97.24	-89.88	928.34	922.43	897.81	24.62	37.465			
3,500.00	3,483.58	3,466.73	3,466.69	13.22	12.14	97.87	-89.68	928.30	923.75	898.39	25.35	36.436			
3,600.00	3,582.99	3,566.09	3,566.05	13.62	12.49	98.52	-89.64	928.45	925.42	899.33	26.09	35.468			
3,700.00	3,682.40	3,666.97	3,666.93	14.02	12.84	99.18	-89.52	928.54	927.13	900.29	26.84	34.543			
3,800.00	3,781.82	3,771.67	3,771.63	14.41	13.22	99.85	-89.08	928.36	928.58	900.97	27.61	33.637			
3,900.00	3,881.23	3,872.81	3,872.77	14.81	13.57	100.50	-88.41	927.74	929.65	901.29	28.36	32.786			
4,000.00	3,980.64	3,963.94	3,963.89	15.21	13.89	101.09	-88.27	927.52	931.40	902.34	29.06	32.051			
4,100.00	4,080.05	4,064.18	4,064.13	15.60	14.23	101.74	-88.19	927.58	933.57	903.78	29.80	31.330			
4,200.00	4,179.46	4,162.63	4,162.58	16.00	14.57	102.38	-88.28	927.58	935.89	905.36	30.53	30.657			
4,300.00	4,278.88	4,261.87	4,261.82	16.40	14.91	103.02	-88.33	927.72	938.43	907.17	31.26	30.020			
4,400.00	4,378.29	4,363.09	4,363.05	16.79	15.27	103.67	-88.28	927.74	940.93	908.92	32.01	29.397			
4,500.00	4,477.70	4,463.13	4,463.08	17.19	15.62	104.30	-88.09	927.72	943.45	910.70	32.75	28.805			
4,600.00	4,577.11	4,561.91	4,561.86	17.59	15.97	104.93	-87.97	927.62	946.05	912.56	33.49	28.248			
4,700.00	4,676.52	4,660.37	4,660.33	17.98	16.32	105.54	-87.89	927.67	948.91	914.68	34.23	27.724			
4,800.00	4,775.94	4,763.32	4,763.27	18.38	16.68	106.20	-87.99	927.49	951.79	916.82	34.98	27.212			
4,900.00	4,875.35	4,858.93	4,858.88	18.78	17.01	106.84	-88.44	926.84	954.58	918.89	35.69	26.744			

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 11-12 2BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 2BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													SEC 10-T4S-R65W - EXIST HZ PROSPER FARMS 4-65 11-12 3DH - OWB - FINAL SURVEY	Offset Site Error:	0.00 usft
Survey Program:													25-MWD OWSG	Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor			
5,000.00	4,974.76	4,957.92	4,957.86	19.17	17.36	107.44	-88.34	927.15	958.00	921.58	36.43	26.300			
5,100.00	5,074.17	5,058.09	5,058.04	19.57	17.71	108.05	-88.24	927.24	961.34	924.17	37.17	25.865			
5,200.00	5,173.58	5,158.75	5,158.70	19.97	18.06	108.67	-88.35	927.12	964.73	926.82	37.91	25.451			
5,300.00	5,273.00	5,259.59	5,259.51	20.36	18.41	109.39	-89.74	925.88	968.08	929.45	38.63	25.059			
5,400.00	5,372.41	5,366.42	5,366.16	20.76	18.77	110.40	-94.25	921.69	971.16	931.79	39.38	24.663			
5,500.00	5,471.82	5,476.16	5,475.23	21.16	19.14	111.74	-102.61	913.19	973.61	933.49	40.12	24.265			
5,600.00	5,571.23	5,590.61	5,588.16	21.55	19.54	113.47	-114.80	899.23	975.04	934.16	40.88	23.851			
5,700.00	5,670.64	5,700.07	5,695.57	21.95	19.92	115.30	-127.66	882.59	975.67	934.05	41.62	23.442			
5,800.00	5,770.06	5,793.03	5,786.55	22.35	20.25	116.92	-138.93	867.18	976.43	934.11	42.32	23.074			
5,900.00	5,869.47	5,874.31	5,866.30	22.74	20.55	118.28	-148.76	854.87	979.05	936.08	42.97	22.783			
6,000.00	5,968.88	5,955.30	5,945.80	23.14	20.84	119.62	-159.45	843.71	984.13	940.52	43.61	22.566			
6,100.00	6,068.29	6,043.00	6,031.67	23.54	21.17	121.11	-172.38	831.46	991.02	946.75	44.27	22.386			
6,200.00	6,167.70	6,128.52	6,114.98	23.93	21.49	122.66	-186.75	818.60	999.61	954.70	44.91	22.260			
6,300.00	6,267.12	6,209.61	6,193.51	24.33	21.80	124.20	-202.23	805.57	1,010.28	964.77	45.50	22.202			
6,400.00	6,366.53	6,292.46	6,273.38	24.73	22.12	125.81	-219.51	791.95	1,023.14	977.04	46.10	22.194			
6,500.00	6,465.94	6,375.99	6,353.65	25.13	22.46	127.45	-238.00	778.08	1,038.02	991.33	46.69	22.232			
6,600.00	6,565.35	6,463.07	6,436.93	25.52	22.82	129.17	-258.47	762.98	1,054.76	1,007.45	47.30	22.299			
6,700.00	6,664.76	6,549.95	6,519.55	25.92	23.18	130.93	-279.93	746.85	1,073.04	1,025.14	47.90	22.400			
6,800.00	6,764.18	6,638.15	6,602.69	26.32	23.57	132.77	-303.13	728.69	1,092.97	1,044.45	48.51	22.529			
6,900.00	6,863.59	6,732.61	6,690.92	26.71	24.00	134.81	-328.98	707.05	1,114.18	1,065.00	49.18	22.654			
7,000.00	6,963.00	6,839.20	6,788.98	27.11	24.52	137.25	-359.07	678.08	1,136.06	1,086.09	49.97	22.735			
7,100.00	7,062.41	6,949.07	6,888.75	27.51	25.09	139.86	-389.52	643.62	1,157.81	1,107.01	50.79	22.795			
7,200.00	7,161.82	7,037.59	6,967.57	27.90	25.57	133.65	-414.26	611.87	1,180.34	1,128.93	51.41	22.957			
7,300.00	7,260.26	7,114.05	7,034.35	28.31	26.02	93.49	-436.36	581.90	1,201.42	1,149.51	51.91	23.143			
7,400.00	7,359.90	7,171.94	7,084.47	28.74	26.36	83.46	-453.41	558.48	1,219.90	1,167.70	52.20	23.369			
7,500.00	7,442.86	7,211.40	7,118.62	29.18	26.61	79.12	-465.45	542.79	1,237.59	1,185.32	52.27	23.678			
7,600.00	7,521.47	7,241.84	7,144.98	29.64	26.79	76.54	-475.04	530.98	1,255.31	1,203.07	52.24	24.029			
7,700.00	7,588.34	7,261.13	7,161.72	30.16	26.91	74.40	-481.26	523.68	1,273.51	1,221.36	52.15	24.421			
7,800.00	7,641.45	7,271.01	7,170.33	30.79	26.97	72.31	-484.51	520.08	1,292.30	1,240.21	52.08	24.811			
7,900.00	7,679.17	7,270.06	7,169.50	31.58	26.97	70.05	-484.19	520.42	1,311.41	1,259.32	52.09	25.176			
8,000.00	7,700.36	7,255.51	7,156.83	32.55	26.88	67.49	-479.44	525.77	1,330.20	1,278.06	52.14	25.510			
8,100.00	7,705.00	7,227.93	7,132.93	33.68	26.71	65.17	-470.63	536.35	1,347.93	1,295.68	52.25	25.797			
8,200.00	7,705.00	7,196.58	7,105.79	34.99	26.51	63.93	-460.87	548.64	1,369.67	1,317.23	52.44	26.120			
8,300.00	7,705.00	7,163.80	7,077.43	36.45	26.31	62.64	-450.97	561.77	1,397.34	1,344.68	52.67	26.532			
8,400.00	7,705.00	7,131.07	7,049.12	38.06	26.12	61.37	-441.34	575.05	1,430.55	1,377.61	52.94	27.020			
8,500.00	7,705.00	7,099.65	7,021.83	39.79	25.93	60.15	-432.17	587.64	1,468.96	1,415.70	53.26	27.579			
8,600.00	7,705.00	7,069.18	6,995.26	41.62	25.75	58.98	-423.34	599.66	1,512.21	1,458.61	53.60	28.211			
8,700.00	7,705.00	7,044.02	6,973.23	43.55	25.61	58.02	-416.10	609.42	1,559.97	1,505.94	54.02	28.875			
8,800.00	7,705.00	7,017.00	6,955.11	45.56	25.56	57.19	-406.06	618.15	1,613.39	1,567.58	79.81	19.638			
8,900.00	7,705.00	7,000.16	6,944.72	47.64	25.65	56.17	-400.44	626.16	1,672.70	1,634.31	82.39	19.101			
9,000.00	7,705.00	6,983.00	6,939.53	49.78	25.87	55.07	-395.82	633.27	1,737.64	1,706.65	87.29	18.134			
9,100.00	7,705.00	6,966.17	6,932.62	51.97	26.22	53.92	-392.17	639.60	1,808.13	1,783.80	90.80	17.495			
9,200.00	7,705.00	6,949.56	6,916.32	54.20	26.61	52.74	-389.07	645.15	1,884.16	1,866.47	94.44	16.898			
9,300.00	7,705.00	6,933.26	6,893.63	56.48	27.04	51.54	-386.50	650.92	1,964.73	1,954.02	99.67	16.090			
9,400.00	7,705.00	6,917.27	6,871.44	58.80	27.51	50.33	-384.46	656.91	2,049.84	2,046.44	107.00	14.986			
9,500.00	7,705.00	6,901.50	6,850.65	61.14	28.02	49.12	-382.94	663.12	2,139.50	2,147.27	110.90	14.447			
9,515.23	7,705.00	6,886.04	6,830.26	61.50	28.57	47.91	-381.94	669.54	2,233.71	2,245.06	111.49	14.370			
9,600.00	7,705.00	6,870.79	6,810.47	63.52	29.16	46.70	-381.46	676.17	2,332.52	2,341.88	114.74	13.969			
9,700.00	7,705.00	6,855.81	6,791.18	65.91	29.79	45.50	-381.50	682.91	2,435.83	2,445.28	119.95	13.374			
9,800.00	7,705.00	6,841.10	6,772.39	68.34	30.46	44.31	-382.08	689.76	2,543.74	2,554.74	124.56	12.888			
9,900.00	7,705.00	6,826.76	6,754.00	70.78	31.17	43.14	-383.28	696.71	2,656.24	2,667.74	130.73	12.267			
10,000.00	7,705.00	6,812.87	6,736.11	73.24	31.92	41.99	-385.00	703.76	2,773.33	2,779.22	135.14	11.850			

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 11-12 2BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 2BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													SEC 10-T4S-R65W - EXIST HZ PROSPER FARMS 4-65 11-12 3DH - OWB - FINAL SURVEY	Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG														Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor			
10,100.00	7,705.00	10,172.82	7,864.86	75.71	66.36	96.32	-887.92	2,831.62	1,599.51	1,458.97	140.54	11.381			
10,200.00	7,705.00	10,255.35	7,863.31	78.20	68.35	96.27	-887.10	2,914.13	1,597.01	1,451.95	145.07	11.009			
10,300.00	7,705.00	10,328.97	7,862.15	80.70	70.15	96.23	-887.30	2,987.74	1,595.83	1,446.44	149.39	10.682			
10,400.00	7,705.00	10,572.02	7,860.60	83.22	76.10	96.21	-881.19	3,230.55	1,593.30	1,435.96	157.34	10.126			
10,500.00	7,705.00	10,643.00	7,860.40	85.75	77.83	96.23	-876.01	3,301.34	1,584.77	1,422.97	161.80	9.795			
10,600.00	7,705.00	10,718.96	7,860.30	88.28	79.70	96.24	-871.71	3,377.18	1,577.88	1,411.54	166.34	9.486			
10,700.00	7,705.00	10,787.64	7,860.31	90.83	81.41	96.26	-869.13	3,445.81	1,572.86	1,402.15	170.71	9.214			
10,800.00	7,705.00	10,851.50	7,860.34	93.38	83.01	96.27	-868.05	3,509.66	1,569.92	1,394.98	174.94	8.974			
10,861.99	7,705.00	10,886.66	7,860.36	94.97	83.90	96.27	-868.20	3,544.82	1,569.39	1,391.98	177.41	8.846			
10,900.00	7,705.00	10,908.22	7,860.38	95.95	84.44	96.27	-868.60	3,566.38	1,569.59	1,390.68	178.91	8.773			
11,000.00	7,705.00	10,984.78	7,860.50	98.52	86.39	96.27	-871.16	3,642.89	1,571.57	1,388.22	183.35	8.571			
11,100.00	7,705.00	11,160.83	7,861.17	101.09	90.87	96.29	-874.57	3,818.88	1,572.65	1,382.22	190.43	8.258			
11,200.00	7,705.00	11,308.43	7,861.19	103.67	94.62	96.31	-870.49	3,966.42	1,568.49	1,371.92	196.57	7.979			
11,300.00	7,705.00	11,448.64	7,860.67	106.26	98.17	96.33	-862.99	4,106.43	1,561.82	1,359.39	202.42	7.716			
11,400.00	7,705.00	11,548.68	7,859.51	108.85	100.71	96.32	-856.09	4,206.22	1,553.54	1,345.99	207.55	7.485			
11,500.00	7,705.00	11,647.33	7,858.18	111.45	103.22	96.30	-849.91	4,304.66	1,545.86	1,333.20	212.66	7.269			
11,600.00	7,705.00	11,726.81	7,856.76	114.06	105.25	96.27	-845.04	4,383.99	1,538.36	1,320.89	217.46	7.074			
11,700.00	7,705.00	11,799.02	7,855.94	116.66	107.11	96.26	-842.10	4,456.12	1,532.83	1,310.74	222.09	6.902			
11,800.00	7,705.00	11,869.00	7,855.17	119.27	108.91	96.24	-840.02	4,526.07	1,528.63	1,302.01	226.62	6.745			
11,900.00	7,705.00	11,938.66	7,854.27	121.89	110.72	96.22	-839.33	4,595.72	1,526.40	1,295.32	231.08	6.606			
11,936.76	7,705.00	11,963.00	7,853.93	122.85	111.35	96.20	-839.63	4,620.06	1,526.29	1,293.62	232.66	6.560			
12,000.00	7,705.00	12,011.05	7,853.16	124.51	112.60	96.17	-840.65	4,668.09	1,526.68	1,291.13	235.54	6.481			
12,100.00	7,705.00	12,107.37	7,851.38	127.13	115.11	96.10	-843.46	4,764.35	1,528.06	1,287.38	240.68	6.349			
12,200.00	7,705.00	12,195.99	7,850.30	129.75	117.43	96.06	-845.83	4,852.93	1,529.33	1,283.75	245.58	6.227			
12,300.00	7,705.00	12,277.48	7,849.42	132.38	119.57	96.01	-849.33	4,934.34	1,532.14	1,281.90	250.24	6.123			
12,400.00	7,705.00	12,403.02	7,846.98	135.01	122.86	95.91	-854.59	5,059.75	1,534.89	1,278.58	256.30	5.989			
12,500.00	7,705.00	12,493.99	7,845.62	137.64	125.25	95.85	-857.15	5,150.67	1,536.27	1,274.98	261.29	5.879			
12,600.00	7,705.00	12,785.30	7,840.36	140.28	132.85	95.68	-854.59	5,441.58	1,537.24	1,266.78	270.46	5.684			
12,700.00	7,705.00	12,877.66	7,838.69	142.91	135.24	95.65	-846.15	5,533.54	1,526.71	1,251.11	275.60	5.540			
12,800.00	7,705.00	12,931.86	7,837.75	145.55	136.65	95.64	-842.12	5,587.58	1,518.08	1,237.84	280.24	5.417			
12,900.00	7,705.00	12,972.56	7,837.03	148.19	137.71	95.62	-840.72	5,628.24	1,513.16	1,228.78	284.38	5.321			
12,973.30	7,705.00	13,001.00	7,836.51	150.13	138.45	95.60	-840.68	5,656.68	1,512.04	1,224.92	287.13	5.266			
13,000.00	7,705.00	13,001.00	7,836.51	150.84	138.45	95.60	-840.68	5,656.68	1,512.28	1,224.53	287.75	5.256			
13,100.00	7,705.00	13,062.14	7,835.30	153.48	140.07	95.55	-842.86	5,717.76	1,514.71	1,222.97	291.75	5.192			
13,200.00	7,705.00	13,116.90	7,834.07	156.13	141.51	95.49	-847.08	5,772.34	1,520.72	1,225.42	295.30	5.150			
13,300.00	7,705.00	13,196.75	7,832.48	158.78	143.63	95.41	-854.78	5,851.81	1,528.80	1,229.04	299.76	5.100			
13,400.00	7,705.00	13,433.99	7,828.29	161.43	149.90	95.22	-866.69	6,088.58	1,531.53	1,221.58	309.95	4.941			
13,448.23	7,705.00	13,481.08	7,827.50	162.71	151.15	95.19	-867.22	6,135.67	1,531.37	1,218.89	312.48	4.901			
13,500.00	7,705.00	13,504.16	7,827.13	164.08	151.76	95.17	-867.78	6,158.74	1,531.79	1,217.38	314.40	4.872			
13,600.00	7,705.00	13,567.00	7,826.32	166.73	153.43	95.14	-870.88	6,221.49	1,535.02	1,216.53	318.48	4.820			
13,700.00	7,705.00	13,711.50	7,824.59	169.39	157.26	95.05	-878.35	6,365.78	1,539.29	1,214.03	325.26	4.733			
13,780.02	7,705.00	13,808.69	7,824.07	171.51	159.84	95.04	-879.39	6,462.96	1,538.91	1,208.93	329.99	4.664			
13,800.00	7,705.00	13,823.87	7,824.00	172.04	160.24	95.03	-879.62	6,478.14	1,538.94	1,208.03	330.91	4.651			
13,900.00	7,705.00	13,900.37	7,823.43	174.70	162.27	95.01	-881.50	6,554.61	1,540.02	1,204.50	335.53	4.590			
14,000.00	7,705.00	14,002.01	7,821.98	177.36	164.97	94.95	-885.25	6,656.17	1,542.28	1,201.37	340.91	4.524			
14,100.00	7,705.00	14,141.19	7,819.63	180.02	168.67	94.86	-887.95	6,795.30	1,542.77	1,195.42	347.35	4.442			
14,200.00	7,705.00	14,301.28	7,817.01	182.68	172.90	94.77	-886.17	6,955.35	1,540.34	1,186.39	353.95	4.352			
14,300.00	7,705.00	14,404.92	7,815.18	185.34	175.64	94.72	-882.36	7,058.90	1,535.22	1,175.89	359.33	4.272			
14,400.00	7,705.00	14,457.17	7,813.94	188.00	177.02	94.68	-881.20	7,111.13	1,531.65	1,167.94	363.71	4.211			
14,452.31	7,705.00	14,481.34	7,813.34	189.40	177.66	94.66	-881.34	7,135.28	1,531.17	1,165.39	365.79	4.186			
14,500.00	7,705.00	14,511.00	7,812.58	190.67	178.45	94.63	-882.12	7,164.92	1,531.61	1,163.80	367.81	4.164			
14,600.00	7,705.00	14,542.18	7,811.76	193.33	179.28	94.59	-883.84	7,196.05	1,535.20	1,164.50	370.70	4.141			

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 11-12 2BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 2BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													Offset Well Error:	0.00 usft
Reference				Offset		Semi Major Axis			Distance				Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,700.00	7,705.00	14,605.00	7,810.03	196.00	180.95	94.51	-890.51	7,258.47	1,543.46	1,169.03	374.43	4.122		
14,800.00	7,705.00	15,012.83	7,805.45	198.66	191.65	94.37	-885.06	7,663.74	1,538.02	1,151.36	386.66	3.978		
14,900.00	7,705.00	15,077.00	7,804.84	201.33	193.33	94.37	-879.83	7,727.69	1,528.13	1,136.24	391.89	3.899		
15,000.00	7,705.00	15,108.90	7,804.50	204.00	194.17	94.36	-878.31	7,759.55	1,521.24	1,124.67	396.57	3.836		
15,100.00	7,705.00	15,171.00	7,803.93	206.66	195.82	94.34	-877.38	7,821.64	1,518.02	1,116.81	401.21	3.784		
15,155.88	7,705.00	15,188.32	7,803.78	208.16	196.28	94.34	-877.55	7,838.96	1,517.46	1,114.22	403.25	3.763		
15,200.00	7,705.00	15,215.23	7,803.57	209.33	197.00	94.33	-878.07	7,865.86	1,517.71	1,112.61	405.10	3.747		
15,300.00	7,705.00	15,282.70	7,803.14	212.00	198.80	94.31	-880.66	7,933.27	1,520.10	1,110.75	409.35	3.713		
15,400.00	7,705.00	15,386.72	7,802.36	214.67	201.58	94.27	-885.46	8,037.18	1,523.34	1,108.50	414.84	3.672		
15,500.00	7,705.00	15,518.61	7,801.87	217.34	205.11	94.24	-890.08	8,168.99	1,525.56	1,104.33	421.23	3.622		
15,600.00	7,705.00	15,669.00	7,800.73	220.02	209.12	94.20	-890.81	8,319.36	1,524.62	1,096.75	427.87	3.563		
15,700.00	7,705.00	15,786.24	7,799.74	222.69	212.23	94.18	-888.98	8,436.58	1,521.70	1,088.16	433.54	3.510		
15,800.00	7,705.00	15,887.35	7,798.68	225.36	214.92	94.15	-886.54	8,537.66	1,517.91	1,079.01	438.90	3.458		
15,900.00	7,705.00	15,975.06	7,797.82	228.03	217.26	94.12	-884.91	8,625.35	1,514.68	1,070.67	444.01	3.411		
16,000.00	7,705.00	16,064.24	7,797.10	230.71	219.63	94.10	-884.01	8,714.52	1,512.30	1,063.18	449.12	3.367		
16,100.00	7,705.00	16,159.69	7,796.16	233.38	222.18	94.07	-883.53	8,809.97	1,510.42	1,056.05	454.37	3.324		
16,200.00	7,705.00	16,270.72	7,794.19	236.06	225.14	94.00	-882.94	8,920.98	1,508.48	1,048.50	459.97	3.279		
16,300.00	7,705.00	16,377.21	7,790.42	238.73	227.97	93.86	-881.53	9,027.38	1,505.60	1,040.10	465.50	3.234		
16,400.00	7,705.00	16,449.37	7,789.68	241.41	229.90	93.84	-880.88	9,099.54	1,503.39	1,033.15	470.24	3.197		
16,446.58	7,705.00	16,479.56	7,789.49	242.65	230.71	93.83	-881.12	9,129.72	1,503.14	1,030.84	472.30	3.183		
16,500.00	7,705.00	16,516.68	7,789.29	244.08	231.70	93.83	-881.84	9,166.84	1,503.45	1,028.77	474.67	3.167		
16,600.00	7,705.00	16,587.00	7,788.88	246.76	233.58	93.81	-884.18	9,237.12	1,505.45	1,026.44	479.01	3.143		
16,700.00	7,705.00	16,667.13	7,788.42	249.44	235.73	93.78	-888.16	9,317.15	1,509.08	1,025.50	483.58	3.121		
16,800.00	7,705.00	16,749.32	7,788.00	252.12	237.93	93.75	-893.36	9,399.17	1,514.06	1,025.89	488.17	3.102		
16,900.00	7,705.00	16,832.55	7,787.56	254.79	240.17	93.73	-899.56	9,482.17	1,520.15	1,027.41	492.74	3.085		
17,000.00	7,705.00	16,939.10	7,787.05	257.47	243.03	93.69	-908.17	9,588.37	1,526.90	1,028.47	498.43	3.063		
17,100.00	7,705.00	17,035.77	7,786.45	260.15	245.62	93.65	-915.37	9,684.76	1,533.00	1,029.36	503.64	3.044		
17,200.00	7,705.00	17,122.84	7,785.51	262.83	247.95	93.60	-922.48	9,771.54	1,539.78	1,031.41	508.38	3.029		
17,300.00	7,705.00	17,227.59	7,784.64	265.51	250.77	93.55	-931.51	9,875.90	1,547.04	1,033.04	514.00	3.010		
17,400.00	7,705.00	17,348.27	7,784.47	268.19	254.01	93.53	-940.67	9,996.23	1,553.31	1,032.96	520.35	2.985		
17,500.00	7,705.00	17,496.88	7,783.85	270.87	257.99	93.49	-948.95	10,144.60	1,557.66	1,029.97	527.69	2.952		
17,600.00	7,705.00	17,716.52	7,782.98	273.55	263.87	93.47	-948.58	10,364.18	1,556.06	1,020.36	535.71	2.905		
17,700.00	7,705.00	17,828.65	7,782.39	276.23	266.84	93.46	-943.16	10,476.17	1,549.84	1,008.70	541.13	2.864		
17,800.00	7,705.00	17,883.41	7,782.03	278.91	268.30	93.45	-941.38	10,530.90	1,545.25	999.28	545.97	2.830		
17,900.00	7,705.00	17,947.60	7,781.75	281.59	270.02	93.45	-941.10	10,595.09	1,543.40	992.81	550.59	2.803		
17,941.82	7,705.00	17,977.41	7,781.64	282.71	270.82	93.44	-941.37	10,624.90	1,543.22	990.70	552.52	2.793		
17,972.40	7,705.00	18,004.52	7,781.56	283.53	271.54	93.44	-941.77	10,652.01	1,543.26	989.20	554.07	2.785 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 11-12 2BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 2BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 2126-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	2.80	2,280.69	111.39	2,283.43					
100.00	100.00	88.85	88.85	0.13	0.16	2.80	2,280.69	111.39	2,283.41	2,283.12	0.29	7,823.134		
200.00	200.00	188.68	188.68	0.49	0.33	2.80	2,280.70	111.40	2,283.42	2,282.59	0.83	2,760.210		
300.00	300.00	288.51	288.51	0.85	0.51	2.80	2,280.72	111.42	2,283.44	2,282.07	1.36	1,675.737		
400.00	400.00	388.34	388.34	1.21	0.69	2.80	2,280.74	111.44	2,283.46	2,281.56	1.90	1,203.069		
500.00	500.00	488.16	488.16	1.57	0.87	2.80	2,280.77	111.47	2,283.49	2,281.06	2.43	938.391		
600.00	599.98	587.97	587.97	1.93	1.04	-13.91	2,280.81	111.51	2,281.84	2,278.87	2.97	768.540		
700.00	699.84	687.67	687.67	2.29	1.22	-13.97	2,280.86	111.55	2,276.81	2,273.30	3.51	649.172		
800.00	799.45	787.12	787.12	2.65	1.39	-14.06	2,280.91	111.60	2,268.41	2,264.36	4.05	560.551		
900.00	898.87	886.37	886.37	3.02	1.57	-14.13	2,280.97	111.66	2,257.98	2,253.40	4.58	492.489		
1,000.00	998.28	985.62	985.62	3.40	1.75	-14.20	2,281.04	111.72	2,247.55	2,242.43	5.12	438.916		
1,100.00	1,097.69	1,084.88	1,084.88	3.78	1.92	-14.26	2,281.11	111.79	2,237.13	2,231.47	5.66	395.398		
1,200.00	1,197.10	1,184.14	1,184.14	4.17	2.10	-14.33	2,281.19	111.86	2,226.71	2,220.52	6.20	359.369		
1,300.00	1,296.51	1,283.40	1,283.40	4.55	2.27	-14.40	2,281.28	111.95	2,216.31	2,209.58	6.74	329.062		
1,400.00	1,395.93	1,382.66	1,382.66	4.94	2.45	-14.47	2,281.37	112.04	2,205.92	2,198.65	7.27	303.221		
1,500.00	1,495.34	1,481.92	1,481.92	5.33	2.63	-14.53	2,281.47	112.13	2,195.54	2,187.72	7.82	280.934		
1,600.00	1,594.75	1,581.19	1,581.19	5.72	2.80	-14.60	2,281.58	112.23	2,185.17	2,176.81	8.36	261.516		
1,700.00	1,694.16	1,680.45	1,680.45	6.12	2.98	-14.67	2,281.70	112.34	2,174.81	2,165.91	8.90	244.450		
1,800.00	1,793.57	1,779.72	1,779.72	6.51	3.15	-14.74	2,281.82	112.46	2,164.46	2,155.02	9.44	229.334		
1,900.00	1,892.99	1,878.99	1,878.99	6.90	3.33	-14.81	2,281.95	112.58	2,154.12	2,144.14	9.98	215.853		
2,000.00	1,992.40	1,978.27	1,978.26	7.29	3.51	-14.88	2,282.09	112.71	2,143.79	2,133.27	10.52	203.756		
2,100.00	2,091.81	2,077.54	2,077.54	7.69	3.68	-14.95	2,282.23	112.85	2,133.47	2,122.41	11.06	192.842		
2,200.00	2,191.22	2,176.82	2,176.81	8.08	3.86	-15.02	2,282.39	112.99	2,123.16	2,111.56	11.61	182.945		
2,300.00	2,290.63	2,269.62	2,269.62	8.48	4.27	-15.10	2,282.76	112.81	2,113.10	2,100.71	12.39	170.574		
2,400.00	2,390.05	2,424.01	2,424.00	8.87	4.80	-15.26	2,282.13	111.46	2,102.43	2,089.16	13.26	158.508		
2,500.00	2,489.46	2,522.18	2,522.13	9.27	5.12	-15.38	2,280.23	109.70	2,090.01	2,076.05	13.95	149.796		
2,600.00	2,588.87	2,616.23	2,616.14	9.66	5.43	-15.51	2,278.47	107.70	2,077.66	2,063.02	14.63	141.973		
2,700.00	2,688.28	2,717.28	2,717.15	10.06	5.77	-15.66	2,276.58	105.31	2,065.31	2,049.97	15.34	134.632		
2,800.00	2,787.69	2,808.19	2,808.01	10.45	6.08	-15.79	2,274.96	103.30	2,053.08	2,037.06	16.02	128.165		
2,900.00	2,887.11	2,888.02	2,887.84	10.85	6.36	-15.88	2,274.16	102.22	2,041.63	2,024.96	16.67	122.499		
3,000.00	2,986.52	2,973.00	2,972.81	11.24	6.65	-15.95	2,273.97	102.25	2,030.99	2,013.66	17.33	117.171		
3,100.00	3,085.93	3,081.14	3,080.95	11.64	7.03	-16.02	2,273.87	103.28	2,020.50	2,002.42	18.08	111.773		
3,200.00	3,185.34	3,168.66	3,168.47	12.04	7.34	-16.06	2,273.93	104.27	2,010.16	1,991.41	18.76	107.171		
3,300.00	3,284.75	3,271.63	3,271.43	12.43	7.70	-16.12	2,274.18	105.23	2,000.01	1,980.52	19.49	102.640		
3,400.00	3,384.17	3,385.62	3,385.42	12.83	8.09	-16.23	2,273.84	104.96	1,989.29	1,969.05	20.24	98.281		
3,500.00	3,483.58	3,482.33	3,482.12	13.22	8.42	-16.34	2,273.18	104.01	1,978.21	1,957.27	20.94	94.465		
3,600.00	3,582.99	3,568.39	3,568.17	13.62	8.72	-16.44	2,273.09	103.50	1,967.70	1,946.09	21.61	91.042		
3,700.00	3,682.40	3,660.64	3,660.43	14.02	9.05	-16.52	2,273.49	103.58	1,957.75	1,935.44	22.31	87.760		
3,800.00	3,781.82	3,760.29	3,760.08	14.41	9.40	-16.59	2,274.03	104.06	1,947.90	1,924.87	23.03	84.587		
3,900.00	3,881.23	3,855.48	3,855.26	14.81	9.74	-16.66	2,274.61	104.70	1,938.13	1,914.40	23.74	81.656		
4,000.00	3,980.64	3,949.62	3,949.39	15.21	10.07	-16.73	2,275.53	105.45	1,928.73	1,904.29	24.44	78.918		
4,100.00	4,080.05	4,046.82	4,046.59	15.60	10.41	-16.80	2,276.53	106.12	1,919.38	1,894.23	25.15	76.306		
4,200.00	4,179.46	4,158.40	4,158.15	16.00	10.81	-16.88	2,277.86	106.88	1,910.24	1,884.33	25.91	73.730		
4,300.00	4,278.88	4,282.78	4,282.53	16.40	11.23	-17.02	2,277.51	106.19	1,899.55	1,872.86	26.69	71.172		
4,400.00	4,378.29	4,381.36	4,381.10	16.79	11.57	-17.15	2,276.72	104.98	1,888.41	1,861.01	27.40	68.928		
4,500.00	4,477.70	4,473.53	4,473.26	17.19	11.89	-17.26	2,276.21	104.37	1,877.51	1,849.42	28.09	66.846		
4,600.00	4,577.11	4,584.54	4,584.27	17.59	12.27	-17.39	2,275.54	103.91	1,866.58	1,837.75	28.83	64.745		
4,700.00	4,676.52	4,696.83	4,696.55	17.98	12.66	-17.51	2,273.85	103.55	1,854.73	1,825.16	29.57	62.714		
4,800.00	4,775.94	4,782.66	4,782.37	18.38	12.95	-17.60	2,272.73	103.56	1,843.10	1,812.85	30.25	60.925		
4,900.00	4,875.35	4,868.45	4,868.16	18.78	13.25	-17.67	2,272.24	104.00	1,832.20	1,801.27	30.93	59.237		
5,000.00	4,974.76	4,956.38	4,956.09	19.17	13.56	-17.75	2,272.34	104.37	1,821.99	1,790.37	31.62	57.628		
5,100.00	5,074.17	5,060.87	5,060.57	19.57	13.93	-17.86	2,272.64	104.30	1,811.96	1,779.61	32.35	56.014		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 11-12 2BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 2BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 2126-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	5,173.58	5,155.52	5,155.22	19.97	14.26	-17.97	2,272.93	104.11	1,801.96	1,768.91	33.05	54.518		
5,300.00	5,273.00	5,253.32	5,253.02	20.36	14.60	-18.06	2,273.38	104.41	1,792.10	1,758.34	33.77	53.072		
5,400.00	5,372.41	5,349.53	5,349.23	20.76	14.94	-18.14	2,273.95	105.16	1,782.38	1,747.90	34.48	51.696		
5,500.00	5,471.82	5,443.23	5,442.92	21.16	15.27	-18.23	2,274.79	105.82	1,772.96	1,737.77	35.18	50.394		
5,600.00	5,571.23	5,548.14	5,547.82	21.55	15.64	-18.32	2,275.78	106.52	1,763.60	1,727.68	35.92	49.100		
5,700.00	5,670.64	5,657.81	5,657.49	21.95	16.03	-18.43	2,276.11	106.88	1,753.59	1,716.93	36.67	47.824		
5,800.00	5,770.06	5,753.98	5,753.66	22.35	16.37	-18.52	2,276.30	107.26	1,743.51	1,706.13	37.38	46.643		
5,900.00	5,869.47	5,853.52	5,853.20	22.74	16.72	-18.62	2,276.71	107.76	1,733.63	1,695.53	38.10	45.503		
6,000.00	5,968.88	5,944.93	5,944.61	23.14	17.04	-18.75	2,276.98	107.09	1,723.70	1,684.91	38.80	44.430		
6,100.00	6,068.29	6,047.44	6,047.10	23.54	17.39	-18.90	2,278.09	106.18	1,714.56	1,675.04	39.52	43.383		
6,200.00	6,167.70	6,160.51	6,160.18	23.93	17.78	-19.06	2,278.00	105.30	1,704.23	1,663.96	40.27	42.318		
6,300.00	6,267.12	6,265.24	6,264.90	24.33	18.15	-19.19	2,277.65	105.19	1,693.68	1,652.68	41.00	41.310		
6,400.00	6,366.53	6,363.96	6,363.61	24.73	18.49	-19.29	2,277.16	105.97	1,682.92	1,641.20	41.71	40.344		
6,500.00	6,465.94	6,476.17	6,475.82	25.13	18.88	-19.38	2,276.29	107.27	1,671.88	1,629.42	42.46	39.376		
6,600.00	6,565.35	6,581.27	6,580.90	25.52	19.24	-19.53	2,274.79	106.90	1,660.26	1,617.08	43.19	38.444		
6,700.00	6,664.76	6,682.34	6,681.96	25.92	19.59	-19.70	2,272.97	105.82	1,648.32	1,604.41	43.90	37.543		
6,800.00	6,764.18	6,773.89	6,773.49	26.32	19.91	-19.83	2,271.65	105.48	1,636.70	1,592.10	44.60	36.694		
6,900.00	6,863.59	6,873.59	6,873.18	26.71	20.26	-19.95	2,270.42	105.77	1,625.27	1,579.95	45.32	35.862		
7,000.00	6,963.00	6,972.26	6,971.84	27.11	20.60	-20.07	2,269.18	106.21	1,613.81	1,567.77	46.04	35.056		
7,100.00	7,062.41	7,067.19	7,066.77	27.51	20.93	-20.17	2,268.18	106.96	1,602.55	1,555.80	46.74	34.283		
7,200.00	7,161.82	7,159.73	7,159.30	27.90	21.25	-20.59	2,267.48	107.76	1,591.59	1,544.14	47.45	33.543		
7,300.00	7,260.26	7,239.76	7,239.27	28.31	21.53	-20.42	2,267.16	105.70	1,582.18	1,534.03	48.15	32.857		
7,400.00	7,354.90	7,288.00	7,287.03	28.74	21.70	-21.99	2,267.68	99.10	1,577.26	1,528.44	48.82	32.308		
7,428.93	7,381.15	7,295.09	7,293.98	28.86	21.72	-23.72	2,267.87	97.74	1,576.98	1,527.98	49.00	32.182 CC, ES		
7,500.00	7,442.86	7,327.18	7,325.26	29.18	21.83	-27.00	2,268.87	90.68	1,578.61	1,529.11	49.50	31.892		
7,600.00	7,521.47	7,368.15	7,364.67	29.64	21.97	-29.57	2,270.36	79.56	1,586.83	1,536.56	50.27	31.567		
7,700.00	7,588.34	7,394.43	7,389.53	30.16	22.07	-30.14	2,271.28	71.12	1,602.60	1,551.51	51.10	31.363		
7,800.00	7,641.45	7,405.69	7,400.08	30.79	22.11	-33.90	2,271.68	67.18	1,626.25	1,574.25	52.01	31.270		
7,900.00	7,679.17	7,406.73	7,401.04	31.58	22.11	-36.16	2,271.71	66.80	1,657.14	1,604.12	53.02	31.257 SF		
8,000.00	7,700.36	7,399.77	7,394.54	32.55	22.08	-38.17	2,271.47	69.27	1,694.01	1,639.89	54.12	31.300		
8,100.00	7,705.00	7,382.00	7,377.82	33.68	22.02	-38.35	2,270.85	75.24	1,735.28	1,680.04	55.25	31.409		
8,200.00	7,705.00	7,372.66	7,368.96	34.99	21.99	-38.03	2,270.52	78.19	1,780.64	1,724.17	56.48	31.529		
8,300.00	7,705.00	7,359.66	7,356.55	36.45	21.95	-37.58	2,270.05	82.07	1,830.13	1,772.45	57.68	31.729		
8,400.00	7,705.00	7,351.00	7,348.26	38.06	21.92	-37.29	2,269.73	84.51	1,883.45	1,824.56	58.89	31.982		
8,500.00	7,705.00	7,339.02	7,336.72	39.79	21.87	-36.87	2,269.29	87.71	1,940.31	1,880.27	60.04	32.319		
8,600.00	7,705.00	7,330.47	7,328.46	41.62	21.84	-36.58	2,268.99	89.88	2,000.44	1,939.29	61.15	32.714		
8,700.00	7,705.00	7,319.00	7,317.33	43.55	21.81	-36.18	2,268.59	92.62	2,063.58	2,001.40	62.18	33.186		
8,800.00	7,705.00	7,319.00	7,317.33	45.56	21.81	-36.18	2,268.59	92.62	2,129.45	2,066.23	63.22	33.683		
8,900.00	7,705.00	7,319.00	7,317.33	47.64	21.81	-36.18	2,268.59	92.62	2,197.90	2,133.71	64.19	34.241		
9,000.00	7,705.00	7,303.76	7,302.46	49.78	21.75	-35.65	2,268.11	95.97	2,268.50	2,203.50	65.00	34.899		
9,100.00	7,705.00	7,288.00	7,287.03	51.97	21.70	-35.11	2,267.68	99.10	2,341.35	2,275.60	65.75	35.610		
9,200.00	7,705.00	7,288.00	7,287.03	54.20	21.70	-35.11	2,267.68	99.10	2,415.95	2,349.42	66.53	36.314		
9,300.00	7,705.00	7,288.00	7,287.03	56.48	21.70	-35.11	2,267.68	99.10	2,492.33	2,425.08	67.25	37.060		
9,400.00	7,705.00	7,288.00	7,287.03	58.80	21.70	-35.11	2,267.68	99.10	2,570.34	2,502.42	67.92	37.845		
9,500.00	7,705.00	7,288.00	7,287.03	61.14	21.70	-35.11	2,267.68	99.10	2,649.82	2,581.28	68.53	38.664		
9,600.00	7,705.00	7,288.00	7,287.03	63.52	21.70	-35.11	2,267.68	99.10	2,730.65	2,661.54	69.11	39.514		
9,700.00	7,705.00	7,288.00	7,287.03	65.91	21.70	-35.11	2,267.68	99.10	2,812.71	2,743.07	69.63	40.393		
9,800.00	7,705.00	7,288.00	7,287.03	68.34	21.70	-35.11	2,267.68	99.10	2,895.90	2,825.78	70.12	41.298		
9,900.00	7,705.00	7,273.31	7,272.56	70.78	21.65	-34.60	2,267.38	101.63	2,979.85	2,909.35	70.51	42.263		
10,000.00	7,705.00	7,271.26	7,270.54	73.24	21.64	-34.53	2,267.34	101.94	3,064.94	2,994.02	70.92	43.216		
10,100.00	7,705.00	7,256.00	7,255.42	75.71	21.59	-34.01	2,267.20	104.02	3,151.12	3,079.88	71.24	44.231		
10,200.00	7,705.00	7,256.00	7,255.42	78.20	21.59	-34.01	2,267.20	104.02	3,237.82	3,166.21	71.61	45.214		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 11-12 2BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 2BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft	
Survey Program: 2126-MWD OWSG												Offset Well Error:		0.00 usft
Reference		Offset		Semi Major Axis			Distance					Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)		Separation Factor	
10,300.00	7,705.00	7,256.00	7,255.42	80.70	21.59	-74.01	2,267.20	104.02	3,325.27	3,253.32	71.95	46.214		
10,400.00	7,705.00	7,256.00	7,255.42	83.22	21.59	-74.01	2,267.20	104.02	3,413.41	3,341.13	72.27	47.228		
10,500.00	7,705.00	7,256.00	7,255.42	85.75	21.59	-74.01	2,267.20	104.02	3,502.18	3,429.60	72.57	48.256		
10,600.00	7,705.00	7,256.00	7,255.42	88.28	21.59	-74.01	2,267.20	104.02	3,591.54	3,518.69	72.86	49.297		
10,700.00	7,705.00	7,256.00	7,255.42	90.83	21.59	-74.01	2,267.20	104.02	3,681.45	3,608.33	73.12	50.349		
10,800.00	7,705.00	7,256.00	7,255.42	93.38	21.59	-74.01	2,267.20	104.02	3,771.87	3,698.50	73.37	51.412		
10,900.00	7,705.00	7,256.00	7,255.42	95.95	21.59	-74.01	2,267.20	104.02	3,862.76	3,789.16	73.60	52.484		
11,000.00	7,705.00	7,256.00	7,255.42	98.52	21.59	-74.01	2,267.20	104.02	3,954.09	3,880.27	73.82	53.565		
11,100.00	7,705.00	7,256.00	7,255.42	101.09	21.59	-74.01	2,267.20	104.02	4,045.83	3,971.81	74.03	54.654		
11,200.00	7,705.00	7,256.00	7,255.42	103.67	21.59	-74.01	2,267.20	104.02	4,137.96	4,063.73	74.22	55.751		
11,300.00	7,705.00	7,256.00	7,255.42	106.26	21.59	-74.01	2,267.20	104.02	4,230.44	4,156.03	74.41	56.854		
11,400.00	7,705.00	7,256.00	7,255.42	108.85	21.59	-74.01	2,267.20	104.02	4,323.25	4,248.67	74.59	57.964		
11,500.00	7,705.00	7,256.00	7,255.42	111.45	21.59	-74.01	2,267.20	104.02	4,416.38	4,341.63	74.75	59.080		
11,600.00	7,705.00	7,256.00	7,255.42	114.06	21.59	-74.01	2,267.20	104.02	4,509.81	4,434.89	74.91	60.201		
11,700.00	7,705.00	7,256.00	7,255.42	116.66	21.59	-74.01	2,267.20	104.02	4,603.51	4,528.44	75.06	61.327		
11,800.00	7,705.00	7,256.00	7,255.42	119.27	21.59	-74.01	2,267.20	104.02	4,697.46	4,622.25	75.21	62.458		
11,900.00	7,705.00	7,256.00	7,255.42	121.89	21.59	-74.01	2,267.20	104.02	4,791.67	4,716.32	75.35	63.593		
12,000.00	7,705.00	7,256.00	7,255.42	124.51	21.59	-74.01	2,267.20	104.02	4,886.10	4,810.62	75.48	64.731		
12,100.00	7,705.00	7,256.00	7,255.42	127.13	21.59	-74.01	2,267.20	104.02	4,980.76	4,905.14	75.61	65.874		
12,200.00	7,705.00	7,256.00	7,255.42	129.75	21.59	-74.01	2,267.20	104.02	5,075.61	4,999.88	75.73	67.019		
12,300.00	7,705.00	7,241.79	7,241.29	132.38	21.54	-73.52	2,267.16	105.52	5,170.45	5,094.64	75.80	68.210		
12,400.00	7,705.00	7,240.98	7,240.48	135.01	21.54	-73.49	2,267.16	105.59	5,265.65	5,189.74	75.91	69.364		
12,500.00	7,705.00	7,240.20	7,239.70	137.64	21.53	-73.46	2,267.16	105.66	5,361.04	5,285.02	76.02	70.521		
12,600.00	7,705.00	7,239.44	7,238.95	140.28	21.53	-73.44	2,267.16	105.73	5,456.58	5,380.46	76.12	71.679		
12,700.00	7,705.00	7,225.00	7,224.55	142.91	21.48	-72.94	2,267.19	106.78	5,552.49	5,476.31	76.18	72.889		
12,800.00	7,705.00	7,225.00	7,224.55	145.55	21.48	-72.94	2,267.19	106.78	5,648.32	5,572.04	76.28	74.050		
12,900.00	7,705.00	7,225.00	7,224.55	148.19	21.48	-72.94	2,267.19	106.78	5,744.29	5,667.91	76.37	75.212		
13,000.00	7,705.00	7,225.00	7,224.55	150.84	21.48	-72.94	2,267.19	106.78	5,840.39	5,763.92	76.47	76.376		
13,100.00	7,705.00	7,225.00	7,224.55	153.48	21.48	-72.94	2,267.19	106.78	5,936.63	5,860.07	76.56	77.541		
13,200.00	7,705.00	7,225.00	7,224.55	156.13	21.48	-72.94	2,267.19	106.78	6,032.99	5,956.34	76.65	78.708		
13,300.00	7,705.00	7,225.00	7,224.55	158.78	21.48	-72.94	2,267.19	106.78	6,129.46	6,052.72	76.74	79.876		
13,400.00	7,705.00	7,225.00	7,224.55	161.43	21.48	-72.94	2,267.19	106.78	6,226.05	6,149.22	76.82	81.044		
13,500.00	7,705.00	7,225.00	7,224.55	164.08	21.48	-72.94	2,267.19	106.78	6,322.74	6,245.83	76.91	82.214		
13,600.00	7,705.00	7,225.00	7,224.55	166.73	21.48	-72.94	2,267.19	106.78	6,419.53	6,342.54	76.99	83.385		
13,700.00	7,705.00	7,225.00	7,224.55	169.39	21.48	-72.94	2,267.19	106.78	6,516.42	6,439.35	77.07	84.556		
13,800.00	7,705.00	7,225.00	7,224.55	172.04	21.48	-72.94	2,267.19	106.78	6,613.40	6,536.26	77.14	85.727		
13,900.00	7,705.00	7,225.00	7,224.55	174.70	21.48	-72.94	2,267.19	106.78	6,710.47	6,633.25	77.22	86.899		
14,000.00	7,705.00	7,225.00	7,224.55	177.36	21.48	-72.94	2,267.19	106.78	6,807.63	6,730.33	77.30	88.072		
14,100.00	7,705.00	7,225.00	7,224.55	180.02	21.48	-72.94	2,267.19	106.78	6,904.87	6,827.50	77.37	89.245		
14,200.00	7,705.00	7,225.00	7,224.55	182.68	21.48	-72.94	2,267.19	106.78	7,002.18	6,924.74	77.44	90.417		
14,300.00	7,705.00	7,225.00	7,224.55	185.34	21.48	-72.94	2,267.19	106.78	7,099.57	7,022.06	77.51	91.590		
14,400.00	7,705.00	7,225.00	7,224.55	188.00	21.48	-72.94	2,267.19	106.78	7,197.03	7,119.45	77.59	92.763		
14,500.00	7,705.00	7,225.00	7,224.55	190.67	21.48	-72.94	2,267.19	106.78	7,294.56	7,216.91	77.65	93.936		
14,600.00	7,705.00	7,225.00	7,224.55	193.33	21.48	-72.94	2,267.19	106.78	7,392.16	7,314.44	77.72	95.109		
14,700.00	7,705.00	7,225.00	7,224.55	196.00	21.48	-72.94	2,267.19	106.78	7,489.82	7,412.03	77.79	96.281		
14,800.00	7,705.00	7,225.00	7,224.55	198.66	21.48	-72.94	2,267.19	106.78	7,587.54	7,509.68	77.86	97.453		
14,900.00	7,705.00	7,225.00	7,224.55	201.33	21.48	-72.94	2,267.19	106.78	7,685.32	7,607.39	77.92	98.625		
15,000.00	7,705.00	7,225.00	7,224.55	204.00	21.48	-72.94	2,267.19	106.78	7,783.15	7,705.16	77.99	99.796		
15,100.00	7,705.00	7,225.00	7,224.55	206.66	21.48	-72.94	2,267.19	106.78	7,881.04	7,802.99	78.06	100.967		
15,200.00	7,705.00	7,225.00	7,224.55	209.33	21.48	-72.94	2,267.19	106.78	7,978.98	7,900.86	78.12	102.137		
15,300.00	7,705.00	7,225.00	7,224.55	212.00	21.48	-72.94	2,267.19	106.78	8,076.98	7,998.79	78.18	103.307		
15,400.00	7,705.00	7,225.00	7,224.55	214.67	21.48	-72.94	2,267.19	106.78	8,175.02	8,096.77	78.25	104.476		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 11-12 2BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 2BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 2126-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance					Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
15,500.00	7,705.00	7,225.00	7,224.55	217.34	21.48	-72.94	2,267.19	106.78	8,273.11	8,194.79	78.31	105.644	
15,600.00	7,705.00	7,225.00	7,224.55	220.02	21.48	-72.94	2,267.19	106.78	8,371.24	8,292.87	78.37	106.811	
15,700.00	7,705.00	7,225.00	7,224.55	222.69	21.48	-72.94	2,267.19	106.78	8,469.42	8,390.98	78.44	107.978	
15,800.00	7,705.00	7,225.00	7,224.55	225.36	21.48	-72.94	2,267.19	106.78	8,567.64	8,489.14	78.50	109.144	
15,900.00	7,705.00	7,225.00	7,224.55	228.03	21.48	-72.94	2,267.19	106.78	8,665.90	8,587.33	78.56	110.309	
16,000.00	7,705.00	7,225.00	7,224.55	230.71	21.48	-72.94	2,267.19	106.78	8,764.19	8,685.57	78.62	111.473	
16,100.00	7,705.00	7,225.00	7,224.55	233.38	21.48	-72.94	2,267.19	106.78	8,862.53	8,783.85	78.68	112.635	
16,200.00	7,705.00	7,225.00	7,224.55	236.06	21.48	-72.94	2,267.19	106.78	8,960.91	8,882.16	78.74	113.797	
16,300.00	7,705.00	7,225.00	7,224.55	238.73	21.48	-72.94	2,267.19	106.78	9,059.32	8,980.51	78.81	114.958	
16,400.00	7,705.00	7,225.00	7,224.55	241.41	21.48	-72.94	2,267.19	106.78	9,157.76	9,078.89	78.87	116.118	
16,500.00	7,705.00	7,225.00	7,224.55	244.08	21.48	-72.94	2,267.19	106.78	9,256.24	9,177.31	78.93	117.276	
16,600.00	7,705.00	7,225.00	7,224.55	246.76	21.48	-72.94	2,267.19	106.78	9,354.75	9,275.76	78.99	118.434	
16,700.00	7,705.00	7,225.00	7,224.55	249.44	21.48	-72.94	2,267.19	106.78	9,453.29	9,374.24	79.05	119.590	
16,800.00	7,705.00	7,225.00	7,224.55	252.12	21.48	-72.94	2,267.19	106.78	9,551.86	9,472.75	79.11	120.745	
16,900.00	7,705.00	7,225.00	7,224.55	254.79	21.48	-72.94	2,267.19	106.78	9,650.46	9,571.29	79.17	121.898	
17,000.00	7,705.00	7,225.00	7,224.55	257.47	21.48	-72.94	2,267.19	106.78	9,749.09	9,669.86	79.23	123.050	
17,100.00	7,705.00	7,225.00	7,224.55	260.15	21.48	-72.94	2,267.19	106.78	9,847.75	9,768.46	79.29	124.201	
17,200.00	7,705.00	7,225.00	7,224.55	262.83	21.48	-72.94	2,267.19	106.78	9,946.43	9,867.08	79.35	125.351	

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 11-12 2BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 2BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 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	0.54	59.74	0.56	59.74					
100.00	100.00	100.00	100.00	0.13	0.13	0.54	59.74	0.56	59.74	59.47	0.27	222.212	CC, ES	
200.00	200.00	197.93	197.92	0.49	0.49	0.73	61.40	0.78	61.44	60.45	0.99	62.220		
300.00	300.00	295.64	295.49	0.85	0.85	1.25	66.36	1.44	66.53	64.82	1.71	39.006		
400.00	400.00	392.89	392.38	1.21	1.21	1.95	74.57	2.54	75.00	72.58	2.42	30.995		
500.00	500.00	489.47	488.27	1.57	1.58	2.70	85.94	4.05	86.83	83.70	3.13	27.746		
600.00	599.98	585.43	583.11	1.93	1.98	-13.45	100.41	5.98	100.32	96.49	3.83	26.203		
700.00	699.84	680.97	676.99	2.29	2.40	-13.29	117.93	8.32	113.75	109.22	4.52	25.160		
800.00	799.45	776.37	770.11	2.65	2.85	-13.40	138.51	11.06	127.09	121.87	5.21	24.370		
900.00	898.87	875.55	866.59	3.02	3.34	-13.69	161.28	14.10	139.83	133.88	5.95	23.499		
1,000.00	998.28	974.74	963.08	3.40	3.84	-13.94	184.05	17.13	152.55	145.87	6.68	22.825		
1,100.00	1,097.69	1,073.92	1,059.57	3.78	4.34	-14.16	206.82	20.17	165.28	157.84	7.44	22.229		
1,200.00	1,197.10	1,173.11	1,156.06	4.17	4.84	-14.34	229.59	23.20	178.00	169.82	8.18	21.751		
1,300.00	1,296.51	1,272.29	1,252.54	4.55	5.34	-14.50	252.36	26.23	190.73	181.80	8.93	21.348		
1,400.00	1,395.93	1,371.48	1,349.03	4.94	5.85	-14.64	275.14	29.27	203.46	193.78	9.69	21.005		
1,500.00	1,495.34	1,470.66	1,445.52	5.33	6.36	-14.76	297.91	32.30	216.20	205.76	10.44	20.710		
1,600.00	1,594.75	1,569.85	1,542.01	5.72	6.87	-14.87	320.68	35.34	228.93	217.73	11.19	20.452		
1,700.00	1,694.16	1,669.03	1,638.50	6.12	7.38	-14.97	343.45	38.37	241.66	229.71	11.95	20.226		
1,800.00	1,793.57	1,768.22	1,734.99	6.51	7.89	-15.05	366.22	41.41	254.40	241.69	12.70	20.025		
1,900.00	1,892.99	1,867.40	1,831.47	6.90	8.40	-15.13	388.99	44.44	267.13	253.67	13.46	19.846		
2,000.00	1,992.40	1,966.59	1,927.96	7.29	8.91	-15.21	411.76	47.48	279.86	265.65	14.22	19.686		
2,100.00	2,091.81	2,065.78	2,024.45	7.69	9.43	-15.27	434.53	50.51	292.60	277.63	14.97	19.542		
2,200.00	2,191.22	2,164.96	2,120.94	8.08	9.94	-15.33	457.30	53.55	305.34	289.60	15.73	19.411		
2,300.00	2,290.63	2,264.15	2,217.43	8.48	10.45	-15.39	480.07	56.58	318.07	301.58	16.49	19.291		
2,400.00	2,390.05	2,363.33	2,313.91	8.87	10.96	-15.44	502.84	59.62	330.81	313.56	17.25	19.182		
2,500.00	2,489.46	2,462.52	2,410.40	9.27	11.48	-15.49	525.62	62.65	343.54	325.54	18.00	19.082		
2,600.00	2,588.87	2,561.70	2,506.89	9.66	11.99	-15.53	548.39	65.69	356.28	337.52	18.76	18.989		
2,700.00	2,688.28	2,660.89	2,603.38	10.06	12.50	-15.57	571.16	68.72	369.02	349.50	19.52	18.904		
2,800.00	2,787.69	2,760.07	2,699.87	10.45	13.02	-15.61	593.93	71.76	381.75	361.48	20.28	18.825		
2,900.00	2,887.11	2,859.26	2,796.36	10.85	13.53	-15.64	616.70	74.79	394.49	373.45	21.04	18.752		
3,000.00	2,986.52	2,958.44	2,892.84	11.24	14.05	-15.68	639.47	77.83	407.23	385.43	21.80	18.683		
3,100.00	3,085.93	3,057.63	2,989.33	11.64	14.56	-15.71	662.24	80.86	419.97	397.41	22.56	18.619		
3,200.00	3,185.34	3,156.81	3,085.82	12.04	15.07	-15.74	685.01	83.90	432.70	409.39	23.31	18.559		
3,300.00	3,284.75	3,256.00	3,182.31	12.43	15.59	-15.77	707.78	86.93	445.44	421.37	24.07	18.503		
3,400.00	3,384.17	3,355.18	3,278.80	12.83	16.10	-15.79	730.55	89.97	458.18	433.35	24.83	18.450		
3,500.00	3,483.58	3,454.37	3,375.29	13.22	16.62	-15.82	753.32	93.00	470.92	445.32	25.59	18.401		
3,600.00	3,582.99	3,553.55	3,471.77	13.62	17.13	-15.84	776.10	96.04	483.65	457.30	26.35	18.354		
3,700.00	3,682.40	3,652.74	3,568.26	14.02	17.65	-15.86	798.87	99.07	496.39	469.28	27.11	18.309		
3,800.00	3,781.82	3,751.92	3,664.75	14.41	18.16	-15.89	821.64	102.11	509.13	481.26	27.87	18.267		
3,900.00	3,881.23	3,851.11	3,761.24	14.81	18.67	-15.91	844.41	105.14	521.87	493.24	28.63	18.227		
4,000.00	3,980.64	3,950.29	3,857.73	15.21	19.19	-15.93	867.18	108.18	534.61	505.22	29.39	18.190		
4,100.00	4,080.05	4,049.48	3,954.22	15.60	19.70	-15.94	889.95	111.21	547.35	517.20	30.15	18.154		
4,200.00	4,179.46	4,148.66	4,050.70	16.00	20.22	-15.96	912.72	114.25	560.08	529.17	30.91	18.120		
4,300.00	4,278.88	4,247.85	4,147.19	16.40	20.73	-15.98	935.49	117.28	572.82	541.15	31.67	18.087		
4,400.00	4,378.29	4,347.04	4,243.68	16.79	21.25	-15.99	958.26	120.31	585.56	553.13	32.43	18.056		
4,500.00	4,477.70	4,446.22	4,340.17	17.19	21.76	-16.01	981.03	123.35	598.30	565.11	33.19	18.026		
4,600.00	4,577.11	4,545.41	4,436.66	17.59	22.28	-16.02	1,003.80	126.38	611.04	577.09	33.95	17.998		
4,700.00	4,676.52	4,644.59	4,533.14	17.98	22.79	-16.04	1,026.58	129.42	623.78	589.07	34.71	17.971		
4,800.00	4,775.94	4,743.78	4,629.63	18.38	23.31	-16.05	1,049.35	132.45	636.51	601.04	35.47	17.945		
4,900.00	4,875.35	4,842.96	4,726.12	18.78	23.82	-16.06	1,072.12	135.49	649.25	613.02	36.23	17.920		
5,000.00	4,974.76	4,942.15	4,822.61	19.17	24.34	-16.08	1,094.89	138.52	661.99	625.00	36.99	17.896		
5,100.00	5,074.17	5,041.33	4,919.10	19.57	24.85	-16.09	1,117.66	141.56	674.73	636.98	37.75	17.873		

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 11-12 2BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 2BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	5,173.58	5,140.52	5,015.59	19.97	25.37	-16.10	1,140.43	144.59	687.47	648.96	38.51	17.851		
5,300.00	5,273.00	5,239.70	5,112.07	20.36	25.88	-16.11	1,163.20	147.63	700.21	660.94	39.27	17.830		
5,400.00	5,372.41	5,338.89	5,208.56	20.76	26.40	-16.12	1,185.97	150.66	712.95	672.91	40.03	17.809		
5,500.00	5,471.82	5,438.07	5,305.05	21.16	26.91	-16.13	1,208.74	153.70	725.69	684.89	40.79	17.790		
5,600.00	5,571.23	5,537.26	5,401.54	21.55	27.43	-16.14	1,231.51	156.73	738.42	696.87	41.55	17.771		
5,700.00	5,670.64	5,636.44	5,498.03	21.95	27.94	-16.15	1,254.29	159.77	751.16	708.85	42.31	17.752		
5,800.00	5,770.06	5,735.63	5,594.52	22.35	28.46	-16.16	1,277.06	162.80	763.90	720.83	43.07	17.734		
5,900.00	5,869.47	5,834.81	5,691.00	22.74	28.97	-16.17	1,299.83	165.84	776.64	732.81	43.83	17.717		
6,000.00	5,968.88	5,934.00	5,787.49	23.14	29.49	-16.18	1,322.60	168.87	789.38	744.78	44.60	17.701		
6,100.00	6,068.29	6,033.18	5,883.98	23.54	30.00	-16.19	1,345.37	171.91	802.12	756.76	45.36	17.685		
6,200.00	6,167.70	6,132.37	5,980.47	23.93	30.52	-16.20	1,368.14	174.94	814.86	768.74	46.12	17.669		
6,300.00	6,267.12	6,231.55	6,076.96	24.33	31.03	-16.21	1,390.91	177.98	827.60	780.72	46.88	17.654		
6,400.00	6,366.53	6,330.74	6,173.44	24.73	31.55	-16.21	1,413.68	181.01	840.34	792.70	47.64	17.640		
6,500.00	6,465.94	6,429.92	6,269.93	25.13	32.06	-16.22	1,436.45	184.05	853.07	804.68	48.40	17.626		
6,600.00	6,565.35	6,529.11	6,366.42	25.52	32.58	-16.23	1,459.22	187.08	865.81	816.65	49.16	17.612		
6,700.00	6,664.76	6,628.30	6,462.91	25.92	33.09	-16.23	1,481.99	190.12	878.55	828.63	49.92	17.599		
6,800.00	6,764.18	6,727.48	6,559.40	26.32	33.61	-16.24	1,504.77	193.15	891.29	840.61	50.68	17.586		
6,900.00	6,863.59	6,826.67	6,655.89	26.71	34.12	-16.25	1,527.54	196.19	904.03	852.59	51.44	17.574		
7,000.00	6,963.00	6,925.85	6,752.37	27.11	34.64	-16.25	1,550.31	199.22	916.77	864.57	52.20	17.562		
7,100.00	7,062.41	7,025.04	6,848.86	27.51	35.15	-16.26	1,573.08	202.26	929.51	876.54	52.96	17.550		
7,200.00	7,161.82	7,124.22	6,945.35	27.90	35.67	-16.26	1,595.85	205.29	942.25	888.52	53.73	17.538		
7,300.00	7,260.26	7,222.72	7,041.17	28.31	36.18	-16.27	1,618.62	208.33	955.03	900.49	54.54	17.510		
7,400.00	7,359.90	7,317.90	7,133.77	28.74	36.67	-16.28	1,640.31	211.22	968.16	912.70	55.46	17.458		
7,500.00	7,442.86	7,417.93	7,230.79	29.18	37.19	-16.29	1,663.15	214.56	982.25	925.67	56.57	17.363		
7,600.00	7,521.47	7,500.52	7,336.83	29.64	37.78	-16.30	1,687.86	218.00	996.68	938.77	57.91	17.212		
7,700.00	7,588.34	7,555.25	7,445.63	30.16	38.42	-16.31	1,712.86	221.61	1,010.63	951.25	59.38	17.020		
7,800.00	7,641.45	7,614.13	7,549.99	30.79	39.10	-16.32	1,738.37	225.40	1,023.07	962.15	60.92	16.793		
7,900.00	7,679.17	7,647.65	7,637.76	31.58	39.86	-16.33	1,764.50	229.40	1,032.77	970.22	62.55	16.510		
8,000.00	7,700.36	7,669.08	7,693.08	32.55	40.75	-16.34	1,791.25	233.60	1,038.50	974.05	64.45	16.114		
8,100.00	7,705.00	7,675.00	7,705.00	33.68	41.71	-16.35	1,818.50	238.00	1,039.66	972.88	66.78	15.569		
8,200.00	7,705.00	7,680.00	7,705.00	34.99	42.50	-16.36	1,846.25	242.60	1,039.66	970.15	69.51	14.957		
8,300.00	7,705.00	7,685.00	7,705.00	36.45	43.44	-16.37	1,874.50	247.40	1,039.66	967.13	72.53	14.334		
8,400.00	7,705.00	7,690.00	7,705.00	38.06	44.54	-16.38	1,903.25	252.40	1,039.66	963.84	75.82	13.713		
8,500.00	7,705.00	7,695.00	7,705.00	39.79	45.80	-16.39	1,932.50	257.60	1,039.66	960.33	79.33	13.105		
8,600.00	7,705.00	7,700.00	7,705.00	41.62	47.20	-16.40	1,962.25	263.00	1,039.66	956.61	83.05	12.519		
8,700.00	7,705.00	7,705.00	7,705.00	43.55	48.74	-16.41	1,992.50	268.60	1,039.65	952.71	86.94	11.958		
8,800.00	7,705.00	7,710.00	7,705.00	45.56	50.40	-16.42	2,023.25	274.40	1,039.65	948.67	90.99	11.426		
8,900.00	7,705.00	7,715.00	7,705.00	47.64	52.16	-16.43	2,054.50	280.40	1,039.65	944.48	95.17	10.925		
9,000.00	7,705.00	7,720.00	7,705.00	49.78	54.02	-16.44	2,086.25	286.60	1,039.65	940.19	99.46	10.453		
9,100.00	7,705.00	7,725.00	7,705.00	51.97	55.96	-16.45	2,118.50	293.00	1,039.65	935.79	103.86	10.010		
9,200.00	7,705.00	7,730.00	7,705.00	54.20	57.98	-16.46	2,151.25	299.60	1,039.65	931.30	108.35	9.595		
9,300.00	7,705.00	7,735.00	7,705.00	56.48	60.05	-16.47	2,184.50	306.40	1,039.65	926.73	112.92	9.207		
9,400.00	7,705.00	7,740.00	7,705.00	58.80	62.19	-16.48	2,218.25	313.40	1,039.64	922.09	117.55	8.844		
9,500.00	7,705.00	7,745.00	7,705.00	61.14	64.37	-16.49	2,252.50	320.60	1,039.64	917.39	122.25	8.504		
9,600.00	7,705.00	7,750.00	7,705.00	63.52	66.59	-16.50	2,287.25	328.00	1,039.64	912.63	127.01	8.186		
9,700.00	7,705.00	7,755.00	7,705.00	65.91	68.85	-16.51	2,322.50	335.60	1,039.64	907.83	131.81	7.887		
9,800.00	7,705.00	7,760.00	7,705.00	68.34	71.15	-16.52	2,358.25	343.40	1,039.64	902.98	136.66	7.608		
9,900.00	7,705.00	7,765.00	7,705.00	70.78	73.47	-16.53	2,394.50	351.40	1,039.64	898.09	141.54	7.345		
10,000.00	7,705.00	7,770.00	7,705.00	73.24	75.82	-16.54	2,431.25	359.60	1,039.64	893.17	146.47	7.098		
10,100.00	7,705.00	7,775.00	7,705.00	75.71	78.20	-16.55	2,468.50	368.00	1,039.64	888.21	151.42	6.866		
10,200.00	7,705.00	7,780.00	7,705.00	78.20	80.60	-16.56	2,506.25	376.60	1,039.63	883.23	156.40	6.647		
10,300.00	7,705.00	7,785.00	7,705.00	80.70	83.02	-16.57	2,544.50	385.40	1,039.63	878.22	161.41	6.441		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 11-12 2BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 2BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,400.00	7,705.00	10,562.57	7,705.00	83.22	85.45	-90.00	1,737.26	3,116.93	1,039.63	873.18	166.45	6.246		
10,500.00	7,705.00	10,662.57	7,705.00	85.75	87.91	-90.00	1,735.95	3,216.93	1,039.63	868.13	171.50	6.062		
10,600.00	7,705.00	10,762.57	7,705.00	88.28	90.37	-90.00	1,734.64	3,316.92	1,039.63	863.05	176.58	5.888		
10,700.00	7,705.00	10,862.57	7,705.00	90.83	92.85	-90.00	1,733.33	3,416.91	1,039.63	857.96	181.67	5.723		
10,800.00	7,705.00	10,962.57	7,705.00	93.38	95.35	-90.00	1,732.02	3,516.90	1,039.63	852.85	186.78	5.566		
10,900.00	7,705.00	11,062.57	7,705.00	95.95	97.85	-90.00	1,730.71	3,616.89	1,039.62	847.72	191.91	5.417		
11,000.00	7,705.00	11,162.57	7,705.00	98.52	100.36	-90.00	1,729.39	3,716.88	1,039.62	842.58	197.05	5.276		
11,100.00	7,705.00	11,262.57	7,705.00	101.09	102.89	-90.00	1,728.08	3,816.87	1,039.62	837.42	202.20	5.142		
11,200.00	7,705.00	11,362.57	7,705.00	103.67	105.42	-90.00	1,726.77	3,916.87	1,039.62	832.26	207.36	5.014		
11,300.00	7,705.00	11,462.57	7,705.00	106.26	107.96	-90.00	1,725.46	4,016.86	1,039.62	827.08	212.54	4.891		
11,400.00	7,705.00	11,562.57	7,705.00	108.85	110.51	-90.00	1,724.15	4,116.85	1,039.62	821.89	217.73	4.775		
11,500.00	7,705.00	11,662.57	7,705.00	111.45	113.07	-90.00	1,722.84	4,216.84	1,039.62	816.69	222.92	4.664		
11,600.00	7,705.00	11,762.57	7,705.00	114.06	115.63	-90.00	1,721.53	4,316.83	1,039.61	811.49	228.13	4.557		
11,700.00	7,705.00	11,862.57	7,705.00	116.66	118.20	-90.00	1,720.22	4,416.82	1,039.61	806.27	233.34	4.455		
11,800.00	7,705.00	11,962.57	7,705.00	119.27	120.78	-90.00	1,718.91	4,516.81	1,039.61	801.05	238.56	4.358		
11,900.00	7,705.00	12,062.57	7,705.00	121.89	123.36	-90.00	1,717.60	4,616.81	1,039.61	795.82	243.79	4.264		
12,000.00	7,705.00	12,162.57	7,705.00	124.51	125.94	-90.00	1,716.28	4,716.80	1,039.61	790.58	249.03	4.175		
12,100.00	7,705.00	12,262.57	7,705.00	127.13	128.53	-90.00	1,714.97	4,816.79	1,039.61	785.33	254.27	4.089		
12,200.00	7,705.00	12,362.57	7,705.00	129.75	131.12	-90.00	1,713.66	4,916.78	1,039.61	780.08	259.52	4.006		
12,300.00	7,705.00	12,462.57	7,705.00	132.38	133.72	-90.00	1,712.35	5,016.77	1,039.61	774.83	264.78	3.926		
12,400.00	7,705.00	12,562.57	7,705.00	135.01	136.32	-90.00	1,711.04	5,116.76	1,039.60	769.57	270.04	3.850		
12,500.00	7,705.00	12,662.57	7,705.00	137.64	138.93	-90.00	1,709.73	5,216.75	1,039.60	764.30	275.30	3.776		
12,600.00	7,705.00	12,762.57	7,705.00	140.28	141.54	-90.00	1,708.42	5,316.75	1,039.60	759.03	280.57	3.705		
12,700.00	7,705.00	12,862.57	7,705.00	142.91	144.15	-90.00	1,707.11	5,416.74	1,039.60	753.75	285.85	3.637		
12,800.00	7,705.00	12,962.57	7,705.00	145.55	146.77	-90.00	1,705.80	5,516.73	1,039.60	748.47	291.13	3.571		
12,900.00	7,705.00	13,062.57	7,705.00	148.19	149.39	-90.00	1,704.49	5,616.72	1,039.60	743.19	296.41	3.507		
13,000.00	7,705.00	13,162.57	7,705.00	150.84	152.01	-90.00	1,703.17	5,716.71	1,039.60	737.90	301.70	3.446		
13,100.00	7,705.00	13,262.57	7,705.00	153.48	154.63	-90.00	1,701.86	5,816.70	1,039.59	732.61	306.99	3.386		
13,200.00	7,705.00	13,362.57	7,705.00	156.13	157.26	-90.00	1,700.55	5,916.69	1,039.59	727.31	312.28	3.329		
13,300.00	7,705.00	13,462.57	7,705.00	158.78	159.89	-90.00	1,699.24	6,016.69	1,039.59	722.01	317.58	3.274		
13,400.00	7,705.00	13,562.57	7,705.00	161.43	162.52	-90.00	1,697.93	6,116.68	1,039.59	716.71	322.88	3.220		
13,500.00	7,705.00	13,662.57	7,705.00	164.08	165.15	-90.00	1,696.62	6,216.67	1,039.59	711.41	328.18	3.168		
13,600.00	7,705.00	13,762.57	7,705.00	166.73	167.79	-90.00	1,695.31	6,316.66	1,039.59	706.10	333.49	3.117		
13,700.00	7,705.00	13,862.57	7,705.00	169.39	170.43	-90.00	1,694.00	6,416.65	1,039.59	700.79	338.80	3.068		
13,800.00	7,705.00	13,962.57	7,705.00	172.04	173.06	-90.00	1,692.69	6,516.64	1,039.58	695.48	344.11	3.021		
13,900.00	7,705.00	14,062.57	7,705.00	174.70	175.71	-90.00	1,691.37	6,616.63	1,039.58	690.16	349.42	2.975		
14,000.00	7,705.00	14,162.57	7,705.00	177.36	178.35	-90.00	1,690.06	6,716.62	1,039.58	684.84	354.74	2.931		
14,100.00	7,705.00	14,262.57	7,705.00	180.02	180.99	-90.00	1,688.75	6,816.62	1,039.58	679.52	360.06	2.887		
14,200.00	7,705.00	14,362.57	7,705.00	182.68	183.64	-90.00	1,687.44	6,916.61	1,039.58	674.20	365.38	2.845		
14,300.00	7,705.00	14,462.57	7,705.00	185.34	186.29	-90.00	1,686.13	7,016.60	1,039.58	668.88	370.70	2.804		
14,400.00	7,705.00	14,562.57	7,705.00	188.00	188.93	-90.00	1,684.82	7,116.59	1,039.58	663.55	376.02	2.765		
14,500.00	7,705.00	14,662.57	7,705.00	190.67	191.58	-90.00	1,683.51	7,216.58	1,039.58	658.22	381.35	2.726		
14,600.00	7,705.00	14,762.57	7,705.00	193.33	194.23	-90.00	1,682.20	7,316.57	1,039.57	652.89	386.68	2.688		
14,700.00	7,705.00	14,862.57	7,705.00	196.00	196.89	-90.00	1,680.89	7,416.56	1,039.57	647.56	392.01	2.652		
14,800.00	7,705.00	14,962.57	7,705.00	198.66	199.54	-90.00	1,679.58	7,516.56	1,039.57	642.23	397.34	2.616		
14,900.00	7,705.00	15,062.57	7,705.00	201.33	202.20	-90.00	1,678.26	7,616.55	1,039.57	636.89	402.68	2.582		
15,000.00	7,705.00	15,162.57	7,705.00	204.00	204.85	-90.00	1,676.95	7,716.54	1,039.57	631.56	408.01	2.548		
15,100.00	7,705.00	15,262.57	7,705.00	206.66	207.51	-90.00	1,675.64	7,816.53	1,039.57	626.22	413.35	2.515		
15,200.00	7,705.00	15,362.57	7,705.00	209.33	210.17	-90.00	1,674.33	7,916.52	1,039.57	620.88	418.69	2.483		
15,300.00	7,705.00	15,462.57	7,705.00	212.00	212.83	-90.00	1,673.02	8,016.51	1,039.56	615.54	424.02	2.452		
15,400.00	7,705.00	15,562.57	7,705.00	214.67	215.49	-90.00	1,671.71	8,116.50	1,039.56	610.20	429.36	2.421		
15,500.00	7,705.00	15,662.57	7,705.00	217.34	218.15	-90.00	1,670.40	8,216.50	1,039.56	604.85	434.71	2.391		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 11-12 2BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 2BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
15,600.00	7,705.00	15,762.57	7,705.00	220.02	220.81	-90.00	1,669.09	8,316.49	1,039.56	599.51	440.05	2.362		
15,700.00	7,705.00	15,862.57	7,705.00	222.69	223.47	-90.00	1,667.78	8,416.48	1,039.56	594.16	445.39	2.334		
15,800.00	7,705.00	15,962.57	7,705.00	225.36	226.13	-90.00	1,666.47	8,516.47	1,039.56	588.82	450.74	2.306		
15,900.00	7,705.00	16,062.57	7,705.00	228.03	228.80	-90.00	1,665.15	8,616.46	1,039.56	583.47	456.09	2.279		
16,000.00	7,705.00	16,162.57	7,705.00	230.71	231.46	-90.00	1,663.84	8,716.45	1,039.55	578.12	461.43	2.253		
16,100.00	7,705.00	16,262.57	7,705.00	233.38	234.13	-90.00	1,662.53	8,816.44	1,039.55	572.77	466.78	2.227		
16,200.00	7,705.00	16,362.57	7,705.00	236.06	236.79	-90.00	1,661.22	8,916.44	1,039.55	567.42	472.13	2.202		
16,300.00	7,705.00	16,462.57	7,705.00	238.73	239.46	-90.00	1,659.91	9,016.43	1,039.55	562.07	477.48	2.177		
16,400.00	7,705.00	16,562.57	7,705.00	241.41	242.13	-90.00	1,658.60	9,116.42	1,039.55	556.72	482.83	2.153		
16,500.00	7,705.00	16,662.57	7,705.00	244.08	244.80	-90.00	1,657.29	9,216.41	1,039.55	551.36	488.19	2.129		
16,600.00	7,705.00	16,762.57	7,705.00	246.76	247.47	-90.00	1,655.98	9,316.40	1,039.55	546.01	493.54	2.106		
16,700.00	7,705.00	16,862.57	7,705.00	249.44	250.13	-90.00	1,654.67	9,416.39	1,039.55	540.65	498.89	2.084		
16,800.00	7,705.00	16,962.57	7,705.00	252.12	252.80	-90.00	1,653.35	9,516.38	1,039.54	535.30	504.25	2.062		
16,900.00	7,705.00	17,062.57	7,705.00	254.79	255.47	-90.00	1,652.04	9,616.38	1,039.54	529.94	509.60	2.040		
17,000.00	7,705.00	17,162.57	7,705.00	257.47	258.15	-90.00	1,650.73	9,716.37	1,039.54	524.58	514.96	2.019		
17,100.00	7,705.00	17,262.57	7,705.00	260.15	260.82	-90.00	1,649.42	9,816.36	1,039.54	519.22	520.32	1.998		
17,200.00	7,705.00	17,362.57	7,705.00	262.83	263.49	-90.00	1,648.11	9,916.35	1,039.54	513.86	525.68	1.978		
17,300.00	7,705.00	17,462.57	7,705.00	265.51	266.16	-90.00	1,646.80	10,016.34	1,039.54	508.50	531.03	1.958		
17,400.00	7,705.00	17,562.57	7,705.00	268.19	268.84	-90.00	1,645.49	10,116.33	1,039.54	503.14	536.39	1.938		
17,500.00	7,705.00	17,662.57	7,705.00	270.87	271.51	-90.00	1,644.18	10,216.32	1,039.53	497.78	541.75	1.919		
17,600.00	7,705.00	17,762.57	7,705.00	273.55	274.18	-90.00	1,642.87	10,316.32	1,039.53	492.42	547.11	1.900		
17,700.00	7,705.00	17,862.57	7,705.00	276.23	276.86	-90.00	1,641.56	10,416.31	1,039.53	487.06	552.48	1.882		
17,800.00	7,705.00	17,962.57	7,705.00	278.91	279.53	-90.00	1,640.24	10,516.30	1,039.53	481.69	557.84	1.864		
17,900.00	7,705.00	18,062.57	7,705.00	281.59	282.21	-90.00	1,638.93	10,616.29	1,039.53	476.33	563.20	1.846		
17,959.91	7,705.00	18,122.47	7,705.00	283.20	283.81	-90.00	1,638.15	10,676.19	1,039.53	473.12	566.41	1.835		
17,972.40	7,705.00	18,120.90	7,705.00	283.53	283.77	-90.00	1,638.17	10,674.62	1,039.62	472.65	566.98	1.834 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 11-12 2BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 2BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 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	0.80	20.03	0.28	20.04					
100.00	100.00	100.00	100.00	0.13	0.13	0.80	20.03	0.28	20.04	19.77	0.27	74.526		
200.00	200.00	200.00	200.00	0.49	0.49	0.80	20.03	0.28	20.04	19.05	0.99	20.325		
300.00	300.00	300.00	300.00	0.85	0.85	0.80	20.03	0.28	20.04	18.33	1.70	11.767 CC		
400.00	400.00	399.28	399.26	1.21	1.21	1.55	21.73	0.59	21.75	19.33	2.42	8.988		
500.00	500.00	498.31	498.15	1.57	1.57	3.22	26.79	1.51	26.89	23.76	3.14	8.575		
600.00	599.98	597.03	596.50	1.93	1.93	-12.34	35.17	3.03	33.78	29.93	3.84	8.785		
700.00	699.84	695.52	694.27	2.29	2.30	-12.12	46.86	5.15	40.68	36.13	4.55	8.946		
800.00	799.45	793.78	791.34	2.65	2.70	-12.43	61.80	7.87	47.59	42.34	5.25	9.068		
900.00	898.87	906.51	889.55	3.02	3.17	-12.95	78.75	10.95	54.28	48.26	6.02	9.015		
1,000.00	998.28	1,006.73	987.82	3.40	3.60	-13.36	95.72	14.03	60.95	54.20	6.75	9.025		
1,100.00	1,097.69	1,106.96	1,086.10	3.78	4.03	-13.69	112.68	17.12	67.64	60.14	7.49	9.028		
1,200.00	1,197.10	1,207.18	1,184.37	4.17	4.47	-13.97	129.65	20.20	74.32	66.09	8.23	9.028		
1,300.00	1,296.51	1,307.41	1,282.65	4.55	4.92	-14.19	146.61	23.28	81.00	72.03	8.97	9.026		
1,400.00	1,395.93	1,392.37	1,380.92	4.94	5.29	-14.39	163.58	26.36	87.69	78.03	9.66	9.078		
1,500.00	1,495.34	1,492.15	1,479.20	5.33	5.74	-14.55	180.54	29.45	94.37	83.97	10.40	9.072		
1,600.00	1,594.75	1,608.08	1,577.47	5.72	6.25	-14.69	197.51	32.53	101.06	89.85	11.21	9.018		
1,700.00	1,694.16	1,691.70	1,675.75	6.12	6.63	-14.82	214.47	35.61	107.74	95.86	11.89	9.062		
1,800.00	1,793.57	1,791.47	1,774.02	6.51	7.07	-14.93	231.44	38.69	114.43	101.80	12.63	9.057		
1,900.00	1,892.99	1,908.75	1,872.30	6.90	7.60	-15.03	248.40	41.78	121.12	107.67	13.45	9.008		
2,000.00	1,992.40	1,991.02	1,970.57	7.29	7.97	-15.12	265.37	44.86	127.81	113.68	14.13	9.048		
2,100.00	2,091.81	2,109.20	2,068.85	7.69	8.50	-15.20	282.33	47.94	134.50	119.56	14.94	9.002		
2,200.00	2,191.22	2,209.42	2,167.12	8.08	8.95	-15.27	299.30	51.03	141.18	125.50	15.69	8.999		
2,300.00	2,290.63	2,309.65	2,265.39	8.48	9.40	-15.34	316.26	54.11	147.87	131.44	16.44	8.996		
2,400.00	2,390.05	2,409.87	2,363.67	8.87	9.85	-15.40	333.23	57.19	154.56	137.38	17.19	8.993		
2,500.00	2,489.46	2,489.90	2,461.94	9.27	10.22	-15.45	350.19	60.27	161.25	143.39	17.86	9.029		
2,600.00	2,588.87	2,589.68	2,560.22	9.66	10.67	-15.50	367.16	63.36	167.94	149.33	18.61	9.026		
2,700.00	2,688.28	2,689.46	2,658.49	10.06	11.12	-15.55	384.12	66.44	174.63	155.28	19.35	9.023		
2,800.00	2,787.69	2,789.23	2,756.77	10.45	11.57	-15.59	401.09	69.52	181.32	161.22	20.10	9.020		
2,900.00	2,887.11	2,889.01	2,855.04	10.85	12.02	-15.63	418.05	72.60	188.01	167.16	20.85	9.018		
3,000.00	2,986.52	2,988.78	2,953.32	11.24	12.47	-15.67	435.02	75.69	194.70	173.10	21.60	9.015		
3,100.00	3,085.93	3,088.56	3,051.59	11.64	12.92	-15.70	451.98	78.77	201.39	179.04	22.34	9.013		
3,200.00	3,185.34	3,188.34	3,149.87	12.04	13.37	-15.74	468.95	81.85	208.08	184.99	23.09	9.011		
3,300.00	3,284.75	3,288.11	3,248.14	12.43	13.82	-15.77	485.91	84.94	214.77	190.93	23.84	9.008		
3,400.00	3,384.17	3,387.89	3,346.42	12.83	14.27	-15.80	502.88	88.02	221.46	196.87	24.59	9.006		
3,500.00	3,483.58	3,487.66	3,444.69	13.22	14.73	-15.82	519.84	91.10	228.15	202.81	25.34	9.004		
3,600.00	3,582.99	3,587.44	3,542.97	13.62	15.18	-15.85	536.81	94.18	234.84	208.75	26.09	9.002		
3,700.00	3,682.40	3,687.22	3,641.24	14.02	15.63	-15.87	553.77	97.27	241.53	214.69	26.83	9.001		
3,800.00	3,781.82	3,786.99	3,739.51	14.41	16.08	-15.90	570.74	100.35	248.22	220.63	27.58	8.999		
3,900.00	3,881.23	3,886.77	3,837.79	14.81	16.53	-15.92	587.71	103.43	254.91	226.58	28.33	8.997		
4,000.00	3,980.64	3,986.54	3,936.06	15.21	16.98	-15.94	604.67	106.51	261.60	232.52	29.08	8.996		
4,100.00	4,080.05	4,086.32	4,034.34	15.60	17.44	-15.96	621.64	109.60	268.29	238.46	29.83	8.994		
4,200.00	4,179.46	4,186.10	4,132.61	16.00	17.89	-15.98	638.60	112.68	274.98	244.40	30.58	8.993		
4,300.00	4,278.88	4,285.87	4,230.89	16.40	18.34	-15.99	655.57	115.76	281.67	250.34	31.33	8.991		
4,400.00	4,378.29	4,385.65	4,329.16	16.79	18.79	-16.01	672.53	118.84	288.36	256.28	32.08	8.990		
4,500.00	4,477.70	4,485.42	4,427.44	17.19	19.24	-16.03	689.50	121.93	295.05	262.22	32.82	8.989		
4,600.00	4,577.11	4,585.20	4,525.71	17.59	19.70	-16.04	706.46	125.01	301.74	268.17	33.57	8.988		
4,700.00	4,676.52	4,684.97	4,623.99	17.98	20.15	-16.06	723.43	128.09	308.43	274.11	34.32	8.986		
4,800.00	4,775.94	4,784.75	4,722.26	18.38	20.60	-16.07	740.39	131.18	315.12	280.05	35.07	8.985		
4,900.00	4,875.35	4,884.53	4,820.54	18.78	21.05	-16.08	757.36	134.26	321.81	285.99	35.82	8.984		
5,000.00	4,974.76	4,984.30	4,918.81	19.17	21.51	-16.10	774.32	137.34	328.50	291.93	36.57	8.983		
5,100.00	5,074.17	5,084.08	5,017.09	19.57	21.96	-16.11	791.29	140.42	335.19	297.87	37.32	8.982		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 11-12 2BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 2BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	5,173.58	5,183.85	5,115.36	19.97	22.41	-16.12	808.25	143.51	341.88	303.81	38.07	8.981		
5,300.00	5,273.00	5,283.63	5,213.64	20.36	22.86	-16.13	825.22	146.59	348.57	309.76	38.82	8.980		
5,400.00	5,372.41	5,383.41	5,311.91	20.76	23.31	-16.14	842.18	149.67	355.26	315.70	39.57	8.979		
5,500.00	5,471.82	5,483.18	5,410.18	21.16	23.77	-16.16	859.15	152.75	361.95	321.64	40.31	8.978		
5,600.00	5,571.23	5,582.96	5,508.46	21.55	24.22	-16.17	876.11	155.84	368.64	327.58	41.06	8.977		
5,700.00	5,670.64	5,682.73	5,606.73	21.95	24.67	-16.18	893.08	158.92	375.33	333.52	41.81	8.977		
5,800.00	5,770.06	5,782.51	5,705.01	22.35	25.12	-16.19	910.04	162.00	382.02	339.46	42.56	8.976		
5,900.00	5,869.47	5,882.29	5,803.28	22.74	25.58	-16.19	927.01	165.09	388.71	345.40	43.31	8.975		
6,000.00	5,968.88	5,982.06	5,901.56	23.14	26.03	-16.20	943.97	168.17	395.41	351.34	44.06	8.974		
6,100.00	6,068.29	6,081.84	5,999.83	23.54	26.48	-16.21	960.94	171.25	402.10	357.29	44.81	8.973		
6,200.00	6,167.70	6,181.61	6,098.11	23.93	26.93	-16.22	977.90	174.33	408.79	363.23	45.56	8.973		
6,300.00	6,267.12	6,281.39	6,196.38	24.33	27.39	-16.23	994.87	177.42	415.48	369.17	46.31	8.972		
6,400.00	6,366.53	6,381.17	6,294.66	24.73	27.84	-16.24	1,011.83	180.50	422.17	375.11	47.06	8.971		
6,500.00	6,465.94	6,480.94	6,392.93	25.13	28.29	-16.24	1,028.80	183.58	428.86	381.05	47.81	8.971		
6,600.00	6,565.35	6,580.72	6,491.21	25.52	28.74	-16.25	1,045.76	186.66	435.55	386.99	48.56	8.970		
6,700.00	6,664.76	6,680.49	6,589.48	25.92	29.20	-16.26	1,062.73	189.75	442.24	392.93	49.31	8.969		
6,800.00	6,764.18	6,780.27	6,687.76	26.32	29.65	-16.27	1,079.69	192.83	448.93	398.87	50.06	8.969		
6,900.00	6,863.59	6,880.05	6,786.03	26.71	30.10	-16.27	1,096.66	195.91	455.62	404.82	50.80	8.968		
7,000.00	6,963.00	6,979.82	6,884.31	27.11	30.55	-16.28	1,113.62	198.99	462.31	410.76	51.55	8.968		
7,100.00	7,062.41	7,079.60	6,982.58	27.51	31.01	-16.28	1,130.59	202.08	469.00	416.70	52.30	8.967		
7,200.00	7,161.82	7,179.37	7,080.85	27.90	31.46	-24.45	1,147.55	205.16	475.69	422.64	53.05	8.966		
7,300.00	7,260.26	7,279.06	7,179.02	28.31	31.91	-65.38	1,164.50	208.69	482.52	428.63	53.89	8.954		
7,400.00	7,354.90	7,381.71	7,278.78	28.74	32.39	-76.78	1,181.54	225.05	489.57	434.72	54.85	8.926		
7,500.00	7,442.86	7,487.33	7,376.77	29.18	32.88	-82.02	1,198.03	260.41	496.55	440.64	55.91	8.881		
7,600.00	7,521.47	7,595.98	7,469.17	29.64	33.39	-85.12	1,213.31	315.15	503.15	446.09	57.06	8.817		
7,700.00	7,588.34	7,707.54	7,551.77	30.16	33.91	-87.18	1,226.64	388.69	509.05	450.72	58.33	8.727		
7,800.00	7,641.45	7,821.73	7,620.18	30.79	34.49	-88.58	1,237.29	479.25	513.90	454.14	59.76	8.599		
7,900.00	7,679.17	7,938.03	7,670.33	31.58	35.17	-89.47	1,244.60	583.71	517.44	455.99	61.45	8.421		
8,000.00	7,700.36	8,055.74	7,698.93	32.55	36.00	-89.93	1,248.05	697.62	519.43	455.99	63.43	8.189		
8,100.00	7,705.00	8,168.73	7,705.00	33.68	36.98	-90.00	1,247.63	810.31	519.83	454.06	65.77	7.904		
8,200.00	7,705.00	8,268.73	7,705.00	34.99	38.03	-90.00	1,246.32	910.30	519.83	451.29	68.54	7.584		
8,300.00	7,705.00	8,368.73	7,705.00	36.45	39.25	-90.00	1,245.01	1,010.30	519.83	448.23	71.60	7.260		
8,400.00	7,705.00	8,468.73	7,705.00	38.06	40.64	-90.00	1,243.70	1,110.29	519.83	444.90	74.93	6.938		
8,500.00	7,705.00	8,568.73	7,705.00	39.79	42.17	-90.00	1,242.39	1,210.28	519.83	441.35	78.48	6.624		
8,600.00	7,705.00	8,668.73	7,705.00	41.62	43.84	-90.00	1,241.07	1,310.27	519.83	437.59	82.23	6.321		
8,700.00	7,705.00	8,768.73	7,705.00	43.55	45.62	-90.00	1,239.76	1,410.26	519.83	433.66	86.16	6.033		
8,800.00	7,705.00	8,868.73	7,705.00	45.56	47.49	-90.00	1,238.45	1,510.25	519.82	429.58	90.24	5.760		
8,900.00	7,705.00	8,968.73	7,705.00	47.64	49.45	-90.00	1,237.14	1,610.24	519.82	425.37	94.45	5.503		
9,000.00	7,705.00	9,068.73	7,705.00	49.78	51.48	-90.00	1,235.83	1,710.24	519.82	421.04	98.78	5.262		
9,100.00	7,705.00	9,168.73	7,705.00	51.97	53.58	-90.00	1,234.52	1,810.23	519.82	416.61	103.21	5.037		
9,200.00	7,705.00	9,268.73	7,705.00	54.20	55.73	-90.00	1,233.21	1,910.22	519.82	412.10	107.72	4.826		
9,300.00	7,705.00	9,368.73	7,705.00	56.48	57.93	-90.00	1,231.90	2,010.21	519.82	407.51	112.32	4.628		
9,400.00	7,705.00	9,468.73	7,705.00	58.80	60.18	-90.00	1,230.59	2,110.20	519.82	402.84	116.98	4.444		
9,500.00	7,705.00	9,568.73	7,705.00	61.14	62.46	-90.00	1,229.28	2,210.19	519.82	398.12	121.70	4.271		
9,600.00	7,705.00	9,668.73	7,705.00	63.52	64.77	-90.00	1,227.97	2,310.18	519.82	393.35	126.47	4.110		
9,700.00	7,705.00	9,768.73	7,705.00	65.91	67.12	-90.00	1,226.66	2,410.18	519.82	388.52	131.29	3.959		
9,800.00	7,705.00	9,868.73	7,705.00	68.34	69.49	-90.00	1,225.35	2,510.17	519.82	383.66	136.16	3.818		
9,900.00	7,705.00	9,968.73	7,705.00	70.78	71.89	-90.00	1,224.04	2,610.16	519.82	378.75	141.06	3.685		
10,000.00	7,705.00	10,068.73	7,705.00	73.24	74.30	-90.00	1,222.73	2,710.15	519.82	373.81	146.00	3.560		
10,100.00	7,705.00	10,168.73	7,705.00	75.71	76.74	-90.00	1,221.42	2,810.14	519.82	368.84	150.97	3.443		
10,200.00	7,705.00	10,268.73	7,705.00	78.20	79.19	-90.00	1,220.11	2,910.13	519.82	363.85	155.97	3.333		
10,300.00	7,705.00	10,368.73	7,705.00	80.70	81.66	-90.00	1,218.80	3,010.12	519.81	358.82	160.99	3.229		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 11-12 2BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 2BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft	
Survey Program: 0-MWD OWSG													Offset Well Error:		0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor			
10,400.00	7,705.00	10,468.73	7,705.00	83.22	84.14	-90.00	1,217.49	3,110.12	519.81	353.78	166.04	3.131			
10,500.00	7,705.00	10,568.73	7,705.00	85.75	86.64	-90.00	1,216.18	3,210.11	519.81	348.71	171.10	3.038			
10,600.00	7,705.00	10,668.73	7,705.00	88.28	89.15	-90.00	1,214.87	3,310.10	519.81	343.62	176.19	2.950			
10,700.00	7,705.00	10,768.73	7,705.00	90.83	91.67	-90.00	1,213.56	3,410.09	519.81	338.52	181.29	2.867			
10,800.00	7,705.00	10,868.73	7,705.00	93.38	94.20	-90.00	1,212.25	3,510.08	519.81	333.40	186.41	2.788			
10,900.00	7,705.00	10,968.73	7,705.00	95.95	96.74	-90.00	1,210.94	3,610.07	519.81	328.26	191.55	2.714			
11,000.00	7,705.00	11,068.73	7,705.00	98.52	99.28	-90.00	1,209.63	3,710.06	519.81	323.11	196.70	2.643			
11,100.00	7,705.00	11,168.73	7,705.00	101.09	101.84	-90.00	1,208.32	3,810.06	519.81	317.95	201.86	2.575			
11,200.00	7,705.00	11,268.73	7,705.00	103.67	104.40	-90.00	1,207.01	3,910.05	519.81	312.77	207.03	2.511			
11,300.00	7,705.00	11,368.73	7,705.00	106.26	106.97	-90.00	1,205.70	4,010.04	519.81	307.59	212.22	2.449			
11,400.00	7,705.00	11,468.73	7,705.00	108.85	109.55	-90.00	1,204.39	4,110.03	519.81	302.39	217.41	2.391			
11,500.00	7,705.00	11,568.73	7,705.00	111.45	112.13	-90.00	1,203.08	4,210.02	519.81	297.19	222.62	2.335			
11,600.00	7,705.00	11,668.73	7,705.00	114.06	114.71	-90.00	1,201.76	4,310.01	519.81	291.98	227.83	2.282			
11,700.00	7,705.00	11,768.73	7,705.00	116.66	117.30	-90.00	1,200.45	4,410.00	519.81	286.76	233.05	2.230			
11,800.00	7,705.00	11,868.73	7,705.00	119.27	119.90	-90.00	1,199.14	4,510.00	519.80	281.53	238.28	2.182			
11,900.00	7,705.00	11,968.73	7,705.00	121.89	122.50	-90.00	1,197.83	4,609.99	519.80	276.29	243.51	2.135			
12,000.00	7,705.00	12,068.73	7,705.00	124.51	125.10	-90.00	1,196.52	4,709.98	519.80	271.05	248.76	2.090			
12,100.00	7,705.00	12,168.73	7,705.00	127.13	127.71	-90.00	1,195.21	4,809.97	519.80	265.80	254.00	2.046			
12,200.00	7,705.00	12,268.73	7,705.00	129.75	130.32	-90.00	1,193.90	4,909.96	519.80	260.54	259.26	2.005			
12,300.00	7,705.00	12,368.73	7,705.00	132.38	132.94	-90.00	1,192.59	5,009.95	519.80	255.28	264.52	1.965			
12,400.00	7,705.00	12,468.73	7,705.00	135.01	135.56	-90.00	1,191.28	5,109.94	519.80	250.02	269.78	1.927			
12,500.00	7,705.00	12,568.73	7,705.00	137.64	138.18	-90.00	1,189.97	5,209.94	519.80	244.75	275.05	1.890			
12,600.00	7,705.00	12,668.73	7,705.00	140.28	140.80	-90.00	1,188.66	5,309.93	519.80	239.47	280.33	1.854			
12,700.00	7,705.00	12,768.73	7,705.00	142.91	143.43	-90.00	1,187.35	5,409.92	519.80	234.19	285.61	1.820			
12,800.00	7,705.00	12,868.73	7,705.00	145.55	146.06	-90.00	1,186.04	5,509.91	519.80	228.91	290.89	1.787			
12,900.00	7,705.00	12,968.73	7,705.00	148.19	148.69	-90.00	1,184.73	5,609.90	519.80	223.62	296.18	1.755			
13,000.00	7,705.00	13,068.73	7,705.00	150.84	151.33	-90.00	1,183.42	5,709.89	519.80	218.33	301.47	1.724			
13,100.00	7,705.00	13,168.73	7,705.00	153.48	153.96	-90.00	1,182.11	5,809.88	519.80	213.03	306.76	1.694			
13,200.00	7,705.00	13,268.73	7,705.00	156.13	156.60	-90.00	1,180.80	5,909.88	519.80	207.74	312.06	1.666			
13,300.00	7,705.00	13,368.73	7,705.00	158.78	159.24	-90.00	1,179.49	6,009.87	519.79	202.43	317.36	1.638			
13,400.00	7,705.00	13,468.73	7,705.00	161.43	161.89	-90.00	1,178.18	6,109.86	519.79	197.13	322.67	1.611			
13,500.00	7,705.00	13,568.73	7,705.00	164.08	164.53	-90.00	1,176.87	6,209.85	519.79	191.82	327.97	1.585			
13,600.00	7,705.00	13,668.73	7,705.00	166.73	167.18	-90.00	1,175.56	6,309.84	519.79	186.51	333.28	1.560			
13,700.00	7,705.00	13,768.73	7,705.00	169.39	169.82	-90.00	1,174.25	6,409.83	519.79	181.20	338.59	1.535			
13,800.00	7,705.00	13,868.73	7,705.00	172.04	172.47	-90.00	1,172.94	6,509.82	519.79	175.88	343.91	1.511			
13,900.00	7,705.00	13,968.73	7,705.00	174.70	175.12	-90.00	1,171.63	6,609.82	519.79	170.57	349.23	1.488	Level 3		
14,000.00	7,705.00	14,068.73	7,705.00	177.36	177.77	-90.00	1,170.32	6,709.81	519.79	165.25	354.54	1.466	Level 3		
14,100.00	7,705.00	14,168.73	7,705.00	180.02	180.43	-90.00	1,169.01	6,809.80	519.79	159.92	359.87	1.444	Level 3		
14,200.00	7,705.00	14,268.73	7,705.00	182.68	183.08	-90.00	1,167.70	6,909.79	519.79	154.60	365.19	1.423	Level 3		
14,300.00	7,705.00	14,368.73	7,705.00	185.34	185.74	-90.00	1,166.39	7,009.78	519.79	149.27	370.51	1.403	Level 3		
14,400.00	7,705.00	14,468.73	7,705.00	188.00	188.39	-90.00	1,165.08	7,109.77	519.79	143.95	375.84	1.383	Level 3		
14,500.00	7,705.00	14,568.73	7,705.00	190.67	191.05	-90.00	1,163.76	7,209.76	519.79	138.62	381.17	1.364	Level 3		
14,600.00	7,705.00	14,668.73	7,705.00	193.33	193.71	-90.00	1,162.45	7,309.76	519.79	133.28	386.50	1.345	Level 3		
14,700.00	7,705.00	14,768.73	7,705.00	196.00	196.37	-90.00	1,161.14	7,409.75	519.79	127.95	391.83	1.327	Level 3		
14,800.00	7,705.00	14,868.73	7,705.00	198.66	199.03	-90.00	1,159.83	7,509.74	519.78	122.62	397.17	1.309	Level 3		
14,900.00	7,705.00	14,968.73	7,705.00	201.33	201.69	-90.00	1,158.52	7,609.73	519.78	117.28	402.50	1.291	Level 3		
15,000.00	7,705.00	15,068.73	7,705.00	204.00	204.35	-90.00	1,157.21	7,709.72	519.78	111.94	407.84	1.274	Level 3		
15,100.00	7,705.00	15,168.73	7,705.00	206.66	207.02	-90.00	1,155.90	7,809.71	519.78	106.60	413.18	1.258	Level 3		
15,200.00	7,705.00	15,268.73	7,705.00	209.33	209.68	-90.00	1,154.59	7,909.70	519.78	101.26	418.52	1.242	Level 2		
15,300.00	7,705.00	15,368.73	7,705.00	212.00	212.35	-90.00	1,153.28	8,009.69	519.78	95.92	423.86	1.226	Level 2		
15,400.00	7,705.00	15,468.73	7,705.00	214.67	215.01	-90.00	1,151.97	8,109.69	519.78	90.58	429.20	1.211	Level 2		
15,500.00	7,705.00	15,568.73	7,705.00	217.34	217.68	-90.00	1,150.66	8,209.68	519.78	85.23	434.55	1.196	Level 2		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 11-12 2BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 2BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft	
Survey Program: 0-MWD OWSG													Offset Well Error:		0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor			
15,600.00	7,705.00	15,668.73	7,705.00	220.02	220.35	-90.00	1,149.35	8,309.67	519.78	79.89	439.89	1.182	Level 2		
15,700.00	7,705.00	15,768.73	7,705.00	222.69	223.02	-90.00	1,148.04	8,409.66	519.78	74.54	445.24	1.167	Level 2		
15,800.00	7,705.00	15,868.73	7,705.00	225.36	225.68	-90.00	1,146.73	8,509.65	519.78	69.19	450.59	1.154	Level 2		
15,900.00	7,705.00	15,968.73	7,705.00	228.03	228.35	-90.00	1,145.42	8,609.64	519.78	63.84	455.94	1.140	Level 2		
16,000.00	7,705.00	16,068.73	7,705.00	230.71	231.02	-90.00	1,144.11	8,709.63	519.78	58.49	461.28	1.127	Level 2		
16,100.00	7,705.00	16,168.73	7,705.00	233.38	233.69	-90.00	1,142.80	8,809.63	519.78	53.14	466.63	1.114	Level 2		
16,200.00	7,705.00	16,268.73	7,705.00	236.06	236.37	-90.00	1,141.49	8,909.62	519.78	47.79	471.99	1.101	Level 2		
16,300.00	7,705.00	16,368.73	7,705.00	238.73	239.04	-90.00	1,140.18	9,009.61	519.77	42.44	477.34	1.089	Level 2		
16,400.00	7,705.00	16,468.73	7,705.00	241.41	241.71	-90.00	1,138.87	9,109.60	519.77	37.08	482.69	1.077	Level 2		
16,500.00	7,705.00	16,568.73	7,705.00	244.08	244.38	-90.00	1,137.56	9,209.59	519.77	31.73	488.04	1.065	Level 2		
16,600.00	7,705.00	16,668.73	7,705.00	246.76	247.06	-90.00	1,136.25	9,309.58	519.77	26.37	493.40	1.053	Level 2		
16,700.00	7,705.00	16,768.73	7,705.00	249.44	249.73	-90.00	1,134.94	9,409.57	519.77	21.02	498.76	1.042	Level 2		
16,800.00	7,705.00	16,868.73	7,705.00	252.12	252.40	-90.00	1,133.63	9,509.57	519.77	15.66	504.11	1.031	Level 2		
16,900.00	7,705.00	16,968.73	7,705.00	254.79	255.08	-90.00	1,132.32	9,609.56	519.77	10.30	509.47	1.020	Level 2		
17,000.00	7,705.00	17,068.73	7,705.00	257.47	257.75	-90.00	1,131.01	9,709.55	519.77	4.94	514.83	1.010	Level 2		
17,100.00	7,705.00	17,168.73	7,705.00	260.15	260.43	-90.00	1,129.70	9,809.54	519.77	-0.42	520.18	0.999	Level 1		
17,200.00	7,705.00	17,268.73	7,705.00	262.83	263.11	-90.00	1,128.39	9,909.53	519.77	-5.78	525.54	0.989	Level 1		
17,300.00	7,705.00	17,368.73	7,705.00	265.51	265.78	-90.00	1,127.08	10,009.52	519.77	-11.14	530.90	0.979	Level 1		
17,400.00	7,705.00	17,468.73	7,705.00	268.19	268.46	-90.00	1,125.77	10,109.51	519.77	-16.50	536.26	0.969	Level 1		
17,500.00	7,705.00	17,568.73	7,705.00	270.87	271.14	-90.00	1,124.45	10,209.51	519.77	-21.86	541.63	0.960	Level 1		
17,600.00	7,705.00	17,668.73	7,705.00	273.55	273.81	-90.00	1,123.14	10,309.50	519.77	-27.22	546.99	0.950	Level 1		
17,700.00	7,705.00	17,768.73	7,705.00	276.23	276.49	-90.00	1,121.83	10,409.49	519.77	-32.58	552.35	0.941	Level 1		
17,800.00	7,705.00	17,868.73	7,705.00	278.91	279.17	-90.00	1,120.52	10,509.48	519.76	-37.95	557.71	0.932	Level 1		
17,900.00	7,705.00	17,968.73	7,705.00	281.59	281.85	-90.00	1,119.21	10,609.47	519.76	-43.31	563.08	0.923	Level 1		
17,967.77	7,705.00	18,036.50	7,705.00	283.41	283.66	-90.00	1,118.33	10,677.24	519.76	-46.95	566.71	0.917	Level 1		
17,972.40	7,705.00	18,034.09	7,705.00	283.53	283.60	-90.00	1,118.36	10,674.83	519.81	-47.17	566.98	0.917	Level 1, ES, 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 11-12 2BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 2BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	1.00	-1.00	0.00	0.00	-179.46	-60.10	-0.56	60.11					
100.00	100.00	101.00	99.00	0.13	0.14	-179.46	-60.10	-0.56	60.11	59.83	0.27	220.625		
200.00	200.00	199.00	199.00	0.49	0.49	-179.46	-60.10	-0.56	60.11	59.12	0.98	61.195	CC, ES	
300.00	300.00	296.96	296.94	0.85	0.83	-179.72	-61.72	-0.30	61.76	60.08	1.68	36.712		
400.00	400.00	394.67	394.52	1.21	1.17	179.59	-66.63	0.48	66.79	64.40	2.38	28.048		
500.00	500.00	491.93	491.42	1.57	1.52	178.64	-74.78	1.78	75.18	72.10	3.08	24.385		
600.00	599.98	588.29	587.10	1.93	1.90	161.20	-86.05	3.57	88.58	84.79	3.79	23.381		
700.00	699.84	683.05	680.76	2.29	2.29	160.99	-100.23	5.83	108.50	104.00	4.49	24.141		
800.00	799.45	779.10	775.35	2.65	2.71	161.15	-116.68	8.46	133.78	128.57	5.21	25.702		
900.00	898.87	875.30	870.09	3.02	3.13	161.60	-133.21	11.09	161.05	155.13	5.91	27.230		
1,000.00	998.28	971.50	964.82	3.40	3.57	161.94	-149.75	13.73	188.34	181.73	6.62	28.472		
1,100.00	1,097.69	1,067.69	1,059.55	3.78	4.00	162.19	-166.28	16.36	215.64	208.32	7.32	29.444		
1,200.00	1,197.10	1,163.89	1,154.28	4.17	4.44	162.39	-182.81	19.00	242.95	234.91	8.03	30.237		
1,300.00	1,296.51	1,260.09	1,249.01	4.55	4.89	162.54	-199.34	21.64	270.25	261.51	8.75	30.895		
1,400.00	1,395.93	1,356.29	1,343.74	4.94	5.33	162.67	-215.88	24.27	297.56	288.10	9.46	31.448		
1,500.00	1,495.34	1,452.48	1,438.47	5.33	5.77	162.78	-232.41	26.91	324.87	314.69	10.18	31.919		
1,600.00	1,594.75	1,548.68	1,533.20	5.72	6.22	162.87	-248.94	29.54	352.18	341.28	10.89	32.326		
1,700.00	1,694.16	1,644.88	1,627.93	6.12	6.66	162.94	-265.48	32.18	379.49	367.87	11.61	32.680		
1,800.00	1,793.57	1,741.08	1,722.66	6.51	7.11	163.01	-282.01	34.81	406.80	394.46	12.33	32.990		
1,900.00	1,892.99	1,837.28	1,817.38	6.90	7.56	163.07	-298.54	37.45	434.11	421.06	13.05	33.265		
2,000.00	1,992.40	1,933.47	1,912.11	7.29	8.00	163.12	-315.08	40.09	461.42	447.65	13.77	33.510		
2,100.00	2,091.81	2,029.67	2,006.84	7.69	8.45	163.16	-331.61	42.72	488.73	474.24	14.49	33.729		
2,200.00	2,191.22	2,125.87	2,101.57	8.08	8.90	163.20	-348.14	45.36	516.04	500.83	15.21	33.927		
2,300.00	2,290.63	2,222.07	2,196.30	8.48	9.35	163.24	-364.68	47.99	543.35	527.42	15.93	34.106		
2,400.00	2,390.05	2,318.26	2,291.03	8.87	9.79	163.27	-381.21	50.63	570.66	554.01	16.65	34.269		
2,500.00	2,489.46	2,414.46	2,385.76	9.27	10.24	163.30	-397.74	53.27	597.97	580.60	17.37	34.418		
2,600.00	2,588.87	2,510.66	2,480.49	9.66	10.69	163.33	-414.28	55.90	625.29	607.19	18.10	34.555		
2,700.00	2,688.28	2,606.86	2,575.22	10.06	11.14	163.35	-430.81	58.54	652.60	633.78	18.82	34.680		
2,800.00	2,787.69	2,703.05	2,669.95	10.45	11.59	163.38	-447.34	61.17	679.91	660.37	19.54	34.796		
2,900.00	2,887.11	2,800.75	2,764.68	10.85	12.04	163.40	-463.88	63.81	707.22	686.96	20.27	34.894		
3,000.00	2,986.52	2,904.55	2,859.41	11.24	12.53	163.42	-480.41	66.44	734.54	713.52	21.02	34.946		
3,100.00	3,085.93	3,008.35	2,954.14	11.64	13.01	163.44	-496.94	69.08	761.85	740.08	21.77	34.994		
3,200.00	3,185.34	3,087.84	3,048.87	12.04	13.48	163.45	-513.47	71.72	789.16	766.73	22.43	35.183		
3,300.00	3,284.75	3,184.04	3,143.60	12.43	13.83	163.47	-530.01	74.35	816.47	793.32	23.15	35.264		
3,400.00	3,384.17	3,280.24	3,238.33	12.83	14.28	163.48	-546.54	76.99	843.79	819.91	23.88	35.340		
3,500.00	3,483.58	3,376.44	3,333.06	13.22	14.73	163.50	-563.07	79.62	871.10	846.50	24.60	35.411		
3,600.00	3,582.99	3,472.63	3,427.79	13.62	15.18	163.51	-579.61	82.26	898.41	873.09	25.32	35.478		
3,700.00	3,682.40	3,568.83	3,522.52	14.02	15.63	163.52	-596.14	84.89	925.72	899.68	26.05	35.541		
3,800.00	3,781.82	3,665.03	3,617.25	14.41	16.08	163.54	-612.67	87.53	953.04	926.27	26.77	35.600		
3,900.00	3,881.23	3,761.23	3,711.97	14.81	16.53	163.55	-629.21	90.17	980.35	952.86	27.49	35.657		
4,000.00	3,980.64	3,857.42	3,806.70	15.21	16.98	163.56	-645.74	92.80	1,007.66	979.45	28.22	35.710		
4,100.00	4,080.05	3,953.62	3,901.43	15.60	17.43	163.57	-662.27	95.44	1,034.98	1,006.03	28.94	35.760		
4,200.00	4,179.46	4,049.82	3,996.16	16.00	17.88	163.58	-678.81	98.07	1,062.29	1,032.62	29.67	35.808		
4,300.00	4,278.88	4,146.02	4,090.89	16.40	18.32	163.58	-695.34	100.71	1,089.60	1,059.21	30.39	35.854		
4,400.00	4,378.29	4,242.21	4,185.62	16.79	18.77	163.59	-711.87	103.35	1,116.92	1,085.80	31.11	35.897		
4,500.00	4,477.70	4,338.41	4,280.35	17.19	19.22	163.60	-728.41	105.98	1,144.23	1,112.39	31.84	35.938		
4,600.00	4,577.11	4,434.61	4,375.08	17.59	19.67	163.61	-744.94	108.62	1,171.54	1,138.98	32.56	35.977		
4,700.00	4,676.52	4,530.81	4,469.81	17.98	20.12	163.62	-761.47	111.25	1,198.85	1,165.57	33.29	36.014		
4,800.00	4,775.94	4,627.00	4,564.54	18.38	20.57	163.62	-778.01	113.89	1,226.17	1,192.16	34.01	36.050		
4,900.00	4,875.35	4,723.20	4,659.27	18.78	21.02	163.63	-794.54	116.52	1,253.48	1,218.74	34.74	36.084		
5,000.00	4,974.76	4,819.40	4,754.00	19.17	21.47	163.64	-811.07	119.16	1,280.79	1,245.33	35.46	36.117		
5,100.00	5,074.17	4,915.60	4,848.73	19.57	21.92	163.64	-827.60	121.80	1,308.11	1,271.92	36.19	36.148		

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 11-12 2BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 2BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	5,173.58	5,011.80	4,943.46	19.97	22.37	163.65	-844.14	124.43	1,335.42	1,298.51	36.91	36.178		
5,300.00	5,273.00	5,107.99	5,038.19	20.36	22.82	163.65	-860.67	127.07	1,362.73	1,325.10	37.64	36.206		
5,400.00	5,372.41	5,204.19	5,132.92	20.76	23.27	163.66	-877.20	129.70	1,390.05	1,351.68	38.36	36.234		
5,500.00	5,471.82	5,300.39	5,227.65	21.16	23.72	163.66	-893.74	132.34	1,417.36	1,378.27	39.09	36.260		
5,600.00	5,571.23	5,403.41	5,322.38	21.55	24.20	163.67	-910.27	134.97	1,444.67	1,404.83	39.84	36.262		
5,700.00	5,670.64	5,492.78	5,417.11	21.95	24.62	163.67	-926.80	137.61	1,471.99	1,431.45	40.54	36.310		
5,800.00	5,770.06	5,588.98	5,511.84	22.35	25.07	163.68	-943.34	140.25	1,499.30	1,458.03	41.27	36.333		
5,900.00	5,869.47	5,685.18	5,606.57	22.74	25.52	163.68	-959.87	142.88	1,526.61	1,484.62	41.99	36.356		
6,000.00	5,968.88	5,781.38	5,701.29	23.14	25.97	163.69	-976.40	145.52	1,553.93	1,511.21	42.72	36.377		
6,100.00	6,068.29	5,877.57	5,796.02	23.54	26.42	163.69	-992.94	148.15	1,581.24	1,537.80	43.44	36.398		
6,200.00	6,167.70	5,973.77	5,890.75	23.93	26.87	163.70	-1,009.47	150.79	1,608.55	1,564.38	44.17	36.418		
6,300.00	6,267.12	6,069.97	5,985.48	24.33	27.32	163.70	-1,026.00	153.43	1,635.87	1,590.97	44.90	36.437		
6,400.00	6,366.53	6,166.17	6,080.21	24.73	27.77	163.70	-1,042.54	156.06	1,663.18	1,617.56	45.62	36.456		
6,500.00	6,465.94	6,262.36	6,174.94	25.13	28.22	163.71	-1,059.07	158.70	1,690.49	1,644.14	46.35	36.474		
6,600.00	6,565.35	6,358.56	6,269.67	25.52	28.67	163.71	-1,075.60	161.33	1,717.81	1,670.73	47.07	36.491		
6,700.00	6,664.76	6,454.76	6,364.40	25.92	29.12	163.71	-1,092.14	163.97	1,745.12	1,697.32	47.80	36.508		
6,800.00	6,764.18	6,550.96	6,459.13	26.32	29.57	163.72	-1,108.67	166.60	1,772.43	1,723.91	48.53	36.524		
6,900.00	6,863.59	6,647.15	6,553.86	26.71	30.02	163.72	-1,125.20	169.24	1,799.75	1,750.49	49.25	36.540		
7,000.00	6,963.00	6,743.35	6,648.59	27.11	30.47	163.72	-1,141.73	171.88	1,827.06	1,777.08	49.98	36.555		
7,100.00	7,062.41	6,839.55	6,743.32	27.51	30.92	163.73	-1,158.27	174.51	1,854.37	1,803.66	50.71	36.569		
7,200.00	7,161.82	6,935.75	6,838.05	27.90	31.37	155.24	-1,174.80	177.15	1,881.69	1,830.25	51.44	36.583		
7,300.00	7,260.26	7,031.31	6,932.15	28.31	31.81	112.33	-1,191.23	179.77	1,908.77	1,856.59	52.18	36.579		
7,400.00	7,359.90	7,123.70	7,023.14	28.74	32.25	100.09	-1,207.10	182.30	1,935.15	1,882.20	52.95	36.547		
7,500.00	7,442.86	7,210.12	7,108.23	29.18	32.65	94.41	-1,221.96	184.67	1,960.71	1,906.97	53.73	36.490		
7,600.00	7,521.47	7,297.00	7,193.73	29.64	33.06	91.19	-1,236.89	188.24	1,985.59	1,930.98	54.61	36.362		
7,700.00	7,588.34	7,407.49	7,300.44	30.16	33.58	89.49	-1,255.77	208.89	2,009.13	1,953.35	55.77	36.022		
7,800.00	7,641.45	7,542.00	7,421.98	30.79	34.22	88.79	-1,277.67	261.42	2,030.26	1,973.01	57.26	35.458		
7,900.00	7,679.17	7,712.95	7,553.38	31.58	35.04	88.96	-1,302.04	367.01	2,047.60	1,988.41	59.19	34.592		
8,000.00	7,700.36	7,931.56	7,667.03	32.55	36.19	89.65	-1,324.41	550.85	2,059.01	1,997.09	61.92	33.254		
8,100.00	7,705.00	8,160.09	7,705.00	33.68	37.82	90.03	-1,334.17	774.50	2,062.22	1,996.68	65.54	31.465		
8,200.00	7,705.00	8,260.09	7,705.00	34.99	38.76	90.03	-1,335.58	874.49	2,062.31	1,994.00	68.31	30.189		
8,300.00	7,705.00	8,360.09	7,705.00	36.45	39.87	90.03	-1,336.98	974.48	2,062.41	1,991.04	71.37	28.896		
8,400.00	7,705.00	8,460.09	7,705.00	38.06	41.16	90.03	-1,338.39	1,074.47	2,062.51	1,987.81	74.70	27.611		
8,500.00	7,705.00	8,560.09	7,705.00	39.79	42.61	90.03	-1,339.80	1,174.46	2,062.60	1,984.35	78.25	26.358		
8,600.00	7,705.00	8,660.09	7,705.00	41.62	44.20	90.03	-1,341.20	1,274.45	2,062.70	1,980.69	82.01	25.152		
8,700.00	7,705.00	8,760.09	7,705.00	43.55	45.92	90.03	-1,342.61	1,374.44	2,062.80	1,976.86	85.94	24.002		
8,800.00	7,705.00	8,860.09	7,705.00	45.56	47.74	90.03	-1,344.01	1,474.43	2,062.89	1,972.87	90.02	22.915		
8,900.00	7,705.00	8,960.09	7,705.00	47.64	49.66	90.03	-1,345.42	1,574.42	2,062.99	1,968.75	94.24	21.891		
9,000.00	7,705.00	9,060.09	7,705.00	49.78	51.66	90.03	-1,346.83	1,674.41	2,063.09	1,964.52	98.57	20.931		
9,100.00	7,705.00	9,160.09	7,705.00	51.97	53.72	90.03	-1,348.23	1,774.40	2,063.18	1,960.19	103.00	20.032		
9,200.00	7,705.00	9,260.09	7,705.00	54.20	55.85	90.03	-1,349.64	1,874.39	2,063.28	1,955.77	107.51	19.191		
9,300.00	7,705.00	9,360.09	7,705.00	56.48	58.03	90.03	-1,351.05	1,974.38	2,063.38	1,951.27	112.11	18.405		
9,400.00	7,705.00	9,460.09	7,705.00	58.80	60.25	90.03	-1,352.45	2,074.37	2,063.47	1,946.70	116.77	17.671		
9,500.00	7,705.00	9,560.09	7,705.00	61.14	62.52	90.03	-1,353.86	2,174.36	2,063.57	1,942.07	121.50	16.985		
9,600.00	7,705.00	9,660.09	7,705.00	63.52	64.82	90.03	-1,355.26	2,274.35	2,063.66	1,937.39	126.27	16.343		
9,700.00	7,705.00	9,760.09	7,705.00	65.91	67.15	90.03	-1,356.67	2,374.34	2,063.76	1,932.66	131.10	15.742		
9,800.00	7,705.00	9,860.09	7,705.00	68.34	69.51	90.03	-1,358.08	2,474.33	2,063.86	1,927.89	135.96	15.179		
9,900.00	7,705.00	9,960.09	7,705.00	70.78	71.90	90.03	-1,359.48	2,574.32	2,063.95	1,923.08	140.87	14.651		
10,000.00	7,705.00	10,060.09	7,705.00	73.24	74.30	90.03	-1,360.89	2,674.31	2,064.05	1,918.24	145.81	14.156		
10,100.00	7,705.00	10,160.09	7,705.00	75.71	76.73	90.03	-1,362.29	2,774.30	2,064.15	1,913.37	150.78	13.690		
10,200.00	7,705.00	10,260.09	7,705.00	78.20	79.18	90.03	-1,363.70	2,874.29	2,064.24	1,908.46	155.78	13.251		
10,300.00	7,705.00	10,360.09	7,705.00	80.70	81.64	90.03	-1,365.11	2,974.28	2,064.34	1,903.54	160.81	12.838		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 11-12 2BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 2BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,400.00	7,705.00	10,460.09	7,705.00	83.22	84.12	90.03	-1,366.51	3,074.27	2,064.44	1,898.58	165.85	12.447		
10,500.00	7,705.00	10,560.09	7,705.00	85.75	86.61	90.03	-1,367.92	3,174.26	2,064.53	1,893.61	170.92	12.079		
10,600.00	7,705.00	10,660.09	7,705.00	88.28	89.12	90.03	-1,369.33	3,274.25	2,064.63	1,888.62	176.01	11.730		
10,700.00	7,705.00	10,760.09	7,705.00	90.83	91.63	90.03	-1,370.73	3,374.24	2,064.73	1,883.61	181.12	11.400		
10,800.00	7,705.00	10,860.09	7,705.00	93.38	94.16	90.03	-1,372.14	3,474.24	2,064.82	1,878.59	186.24	11.087		
10,900.00	7,705.00	10,960.09	7,705.00	95.95	96.69	90.03	-1,373.54	3,574.23	2,064.92	1,873.55	191.37	10.790		
11,000.00	7,705.00	11,060.09	7,705.00	98.52	99.24	90.03	-1,374.95	3,674.22	2,065.02	1,868.49	196.52	10.508		
11,100.00	7,705.00	11,160.09	7,705.00	101.09	101.79	90.03	-1,376.36	3,774.21	2,065.11	1,863.43	201.69	10.239		
11,200.00	7,705.00	11,260.09	7,705.00	103.67	104.35	90.03	-1,377.76	3,874.20	2,065.21	1,858.35	206.86	9.984		
11,300.00	7,705.00	11,360.09	7,705.00	106.26	106.91	90.03	-1,379.17	3,974.19	2,065.31	1,853.26	212.05	9.740		
11,400.00	7,705.00	11,460.09	7,705.00	108.85	109.49	90.03	-1,380.57	4,074.18	2,065.40	1,848.16	217.24	9.507		
11,500.00	7,705.00	11,560.09	7,705.00	111.45	112.07	90.03	-1,381.98	4,174.17	2,065.50	1,843.05	222.45	9.285		
11,600.00	7,705.00	11,660.09	7,705.00	114.06	114.65	90.03	-1,383.39	4,274.16	2,065.60	1,837.93	227.66	9.073		
11,700.00	7,705.00	11,760.09	7,705.00	116.66	117.24	90.03	-1,384.79	4,374.15	2,065.69	1,832.81	232.88	8.870		
11,800.00	7,705.00	11,860.09	7,705.00	119.27	119.83	90.03	-1,386.20	4,474.14	2,065.79	1,827.68	238.11	8.676		
11,900.00	7,705.00	11,960.09	7,705.00	121.89	122.43	90.03	-1,387.61	4,574.13	2,065.88	1,822.54	243.35	8.489		
12,000.00	7,705.00	12,060.09	7,705.00	124.51	125.04	90.03	-1,389.01	4,674.12	2,065.98	1,817.39	248.59	8.311		
12,100.00	7,705.00	12,160.09	7,705.00	127.13	127.64	90.03	-1,390.42	4,774.11	2,066.08	1,812.24	253.84	8.139		
12,200.00	7,705.00	12,260.09	7,705.00	129.75	130.25	90.03	-1,391.82	4,874.10	2,066.17	1,807.08	259.10	7.975		
12,300.00	7,705.00	12,360.09	7,705.00	132.38	132.87	90.03	-1,393.23	4,974.09	2,066.27	1,801.91	264.36	7.816		
12,400.00	7,705.00	12,460.09	7,705.00	135.01	135.49	90.03	-1,394.64	5,074.08	2,066.37	1,796.74	269.62	7.664		
12,500.00	7,705.00	12,560.09	7,705.00	137.64	138.11	90.03	-1,396.04	5,174.07	2,066.46	1,791.57	274.89	7.517		
12,600.00	7,705.00	12,660.09	7,705.00	140.28	140.73	90.03	-1,397.45	5,274.06	2,066.56	1,786.39	280.17	7.376		
12,700.00	7,705.00	12,760.09	7,705.00	142.91	143.36	90.03	-1,398.86	5,374.05	2,066.66	1,781.21	285.45	7.240		
12,800.00	7,705.00	12,860.09	7,705.00	145.55	145.98	90.03	-1,400.26	5,474.04	2,066.75	1,776.02	290.73	7.109		
12,900.00	7,705.00	12,960.09	7,705.00	148.19	148.62	90.03	-1,401.67	5,574.03	2,066.85	1,770.83	296.02	6.982		
13,000.00	7,705.00	13,060.09	7,705.00	150.84	151.25	90.03	-1,403.07	5,674.02	2,066.95	1,765.63	301.31	6.860		
13,100.00	7,705.00	13,160.09	7,705.00	153.48	153.88	90.03	-1,404.48	5,774.01	2,067.04	1,760.43	306.61	6.742		
13,200.00	7,705.00	13,260.09	7,705.00	156.13	156.52	90.03	-1,405.89	5,874.00	2,067.14	1,755.23	311.91	6.627		
13,300.00	7,705.00	13,360.09	7,705.00	158.78	159.16	90.03	-1,407.29	5,973.99	2,067.24	1,750.03	317.21	6.517		
13,400.00	7,705.00	13,460.09	7,705.00	161.43	161.80	90.03	-1,408.70	6,073.98	2,067.33	1,744.82	322.51	6.410		
13,500.00	7,705.00	13,560.09	7,705.00	164.08	164.45	90.03	-1,410.10	6,173.97	2,067.43	1,739.61	327.82	6.307		
13,600.00	7,705.00	13,660.09	7,705.00	166.73	167.09	90.03	-1,411.51	6,273.96	2,067.53	1,734.40	333.13	6.206		
13,700.00	7,705.00	13,760.09	7,705.00	169.39	169.74	90.03	-1,412.92	6,373.95	2,067.62	1,729.18	338.44	6.109		
13,800.00	7,705.00	13,860.09	7,705.00	172.04	172.39	90.03	-1,414.32	6,473.94	2,067.72	1,723.96	343.76	6.015		
13,900.00	7,705.00	13,960.09	7,705.00	174.70	175.04	90.03	-1,415.73	6,573.93	2,067.81	1,718.74	349.08	5.924		
14,000.00	7,705.00	14,060.09	7,705.00	177.36	177.69	90.03	-1,417.14	6,673.92	2,067.91	1,713.52	354.40	5.835		
14,100.00	7,705.00	14,160.09	7,705.00	180.02	180.34	90.03	-1,418.54	6,773.91	2,068.01	1,708.29	359.72	5.749		
14,200.00	7,705.00	14,260.09	7,705.00	182.68	183.00	90.03	-1,419.95	6,873.90	2,068.10	1,703.06	365.04	5.665		
14,300.00	7,705.00	14,360.09	7,705.00	185.34	185.65	90.03	-1,421.35	6,973.89	2,068.20	1,697.83	370.37	5.584		
14,400.00	7,705.00	14,460.09	7,705.00	188.00	188.31	90.03	-1,422.76	7,073.88	2,068.30	1,692.60	375.70	5.505		
14,500.00	7,705.00	14,560.09	7,705.00	190.67	190.96	90.03	-1,424.17	7,173.87	2,068.39	1,687.37	381.02	5.429		
14,600.00	7,705.00	14,660.09	7,705.00	193.33	193.62	90.03	-1,425.57	7,273.86	2,068.49	1,682.13	386.36	5.354		
14,700.00	7,705.00	14,760.09	7,705.00	196.00	196.28	90.03	-1,426.98	7,373.85	2,068.59	1,676.90	391.69	5.281		
14,800.00	7,705.00	14,860.09	7,705.00	198.66	198.94	90.03	-1,428.38	7,473.84	2,068.68	1,671.66	397.02	5.210		
14,900.00	7,705.00	14,960.09	7,705.00	201.33	201.60	90.03	-1,429.79	7,573.83	2,068.78	1,666.42	402.36	5.142		
15,000.00	7,705.00	15,060.09	7,705.00	204.00	204.27	90.03	-1,431.20	7,673.82	2,068.88	1,661.18	407.70	5.075		
15,100.00	7,705.00	15,160.09	7,705.00	206.66	206.93	90.03	-1,432.60	7,773.81	2,068.97	1,655.94	413.04	5.009		
15,200.00	7,705.00	15,260.09	7,705.00	209.33	209.59	90.03	-1,434.01	7,873.80	2,069.07	1,650.69	418.38	4.945		
15,300.00	7,705.00	15,360.09	7,705.00	212.00	212.26	90.03	-1,435.42	7,973.79	2,069.17	1,645.45	423.72	4.883		
15,400.00	7,705.00	15,460.09	7,705.00	214.67	214.92	90.03	-1,436.82	8,073.78	2,069.26	1,640.20	429.06	4.823		
15,500.00	7,705.00	15,560.09	7,705.00	217.34	217.59	90.03	-1,438.23	8,173.77	2,069.36	1,634.95	434.41	4.764		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 11-12 2BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 2BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
15,600.00	7,705.00	15,660.09	7,705.00	220.02	220.26	90.03	-1,439.63	8,273.76	2,069.46	1,629.70	439.75	4.706		
15,700.00	7,705.00	15,760.09	7,705.00	222.69	222.93	90.03	-1,441.04	8,373.75	2,069.55	1,624.45	445.10	4.650		
15,800.00	7,705.00	15,860.09	7,705.00	225.36	225.60	90.03	-1,442.45	8,473.74	2,069.65	1,619.20	450.45	4.595		
15,900.00	7,705.00	15,960.09	7,705.00	228.03	228.26	90.03	-1,443.85	8,573.73	2,069.74	1,613.95	455.80	4.541		
16,000.00	7,705.00	16,060.09	7,705.00	230.71	230.93	90.03	-1,445.26	8,673.72	2,069.84	1,608.70	461.14	4.488		
16,100.00	7,705.00	16,160.09	7,705.00	233.38	233.60	90.03	-1,446.66	8,773.71	2,069.94	1,603.44	466.50	4.437		
16,200.00	7,705.00	16,260.09	7,705.00	236.06	236.28	90.03	-1,448.07	8,873.70	2,070.03	1,598.19	471.85	4.387		
16,300.00	7,705.00	16,360.09	7,705.00	238.73	238.95	90.03	-1,449.48	8,973.69	2,070.13	1,592.93	477.20	4.338		
16,400.00	7,705.00	16,460.09	7,705.00	241.41	241.62	90.03	-1,450.88	9,073.68	2,070.23	1,587.67	482.55	4.290		
16,500.00	7,705.00	16,560.09	7,705.00	244.08	244.29	90.03	-1,452.29	9,173.67	2,070.32	1,582.42	487.91	4.243		
16,600.00	7,705.00	16,660.09	7,705.00	246.76	246.97	90.03	-1,453.70	9,273.66	2,070.42	1,577.16	493.26	4.197		
16,700.00	7,705.00	16,760.09	7,705.00	249.44	249.64	90.03	-1,455.10	9,373.65	2,070.52	1,571.90	498.62	4.153		
16,800.00	7,705.00	16,860.09	7,705.00	252.12	252.31	90.03	-1,456.51	9,473.64	2,070.61	1,566.64	503.98	4.109		
16,900.00	7,705.00	16,960.09	7,705.00	254.79	254.99	90.03	-1,457.91	9,573.63	2,070.71	1,561.38	509.33	4.066		
17,000.00	7,705.00	17,060.09	7,705.00	257.47	257.66	90.03	-1,459.32	9,673.62	2,070.81	1,556.12	514.69	4.023		
17,100.00	7,705.00	17,160.09	7,705.00	260.15	260.34	90.03	-1,460.73	9,773.61	2,070.90	1,550.85	520.05	3.982		
17,200.00	7,705.00	17,260.09	7,705.00	262.83	263.02	90.03	-1,462.13	9,873.60	2,071.00	1,545.59	525.41	3.942		
17,300.00	7,705.00	17,360.09	7,705.00	265.51	265.69	90.03	-1,463.54	9,973.59	2,071.10	1,540.33	530.77	3.902		
17,400.00	7,705.00	17,460.09	7,705.00	268.19	268.37	90.03	-1,464.94	10,073.58	2,071.19	1,535.06	536.13	3.863		
17,500.00	7,705.00	17,560.09	7,705.00	270.87	271.05	90.03	-1,466.35	10,173.57	2,071.29	1,529.80	541.49	3.825		
17,600.00	7,705.00	17,660.09	7,705.00	273.55	273.72	90.03	-1,467.76	10,273.56	2,071.39	1,524.53	546.85	3.788		
17,700.00	7,705.00	17,760.09	7,705.00	276.23	276.40	90.03	-1,469.16	10,373.55	2,071.48	1,519.26	552.22	3.751		
17,800.00	7,705.00	17,860.09	7,705.00	278.91	279.08	90.03	-1,470.57	10,473.54	2,071.58	1,514.00	557.58	3.715		
17,900.00	7,705.00	17,960.09	7,705.00	281.59	281.76	90.03	-1,471.98	10,573.53	2,071.67	1,508.73	562.94	3.680		
17,972.40	7,705.00	18,032.48	7,705.00	283.53	283.70	90.03	-1,472.99	10,645.92	2,071.74	1,504.92	566.83	3.655 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 11-12 2BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 2BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	2.00	-2.00	0.00	0.00	-179.40	-80.14	-0.84	80.14					
100.00	100.00	98.00	98.00	0.13	0.13	-179.40	-80.14	-0.84	80.14	79.88	0.27	301.104	CC, ES	
200.00	200.00	195.32	195.30	0.49	0.47	-179.53	-81.72	-0.68	81.76	80.80	0.97	84.586		
300.00	300.00	292.36	292.21	0.85	0.82	-179.89	-86.56	-0.16	86.75	85.08	1.67	51.831		
400.00	400.00	388.96	388.47	1.21	1.18	-179.58	-94.62	0.70	95.10	92.72	2.38	39.927		
500.00	500.00	484.91	483.75	1.57	1.56	178.98	-105.81	1.89	106.78	103.70	3.09	34.585		
600.00	599.98	579.72	577.48	1.93	1.96	161.83	-119.99	3.40	123.41	119.61	3.79	32.521		
700.00	699.84	672.66	668.85	2.29	2.38	161.74	-136.86	5.19	146.48	141.98	4.50	32.548		
800.00	799.45	763.17	757.27	2.65	2.82	161.86	-156.13	7.25	175.83	170.64	5.19	33.857		
900.00	898.87	853.62	845.01	3.02	3.29	162.17	-177.93	9.57	209.84	203.96	5.88	35.692		
1,000.00	998.28	947.44	935.90	3.40	3.78	162.41	-201.09	12.03	244.42	237.85	6.57	37.205		
1,100.00	1,097.69	1,041.27	1,026.79	3.78	4.29	162.60	-224.25	14.50	279.02	271.74	7.28	38.348		
1,200.00	1,197.10	1,135.09	1,117.68	4.17	4.80	162.74	-247.40	16.96	313.61	305.63	7.98	39.282		
1,300.00	1,296.51	1,228.91	1,208.56	4.55	5.31	162.85	-270.56	19.43	348.20	339.51	8.69	40.051		
1,400.00	1,395.93	1,322.74	1,299.45	4.94	5.82	162.94	-293.71	21.89	382.80	373.39	9.41	40.695		
1,500.00	1,495.34	1,416.56	1,390.34	5.33	6.33	163.02	-316.87	24.36	417.40	407.27	10.12	41.240		
1,600.00	1,594.75	1,510.38	1,481.23	5.72	6.85	163.09	-340.02	26.82	451.99	441.16	10.84	41.708		
1,700.00	1,694.16	1,604.21	1,572.11	6.12	7.37	163.14	-363.18	29.29	486.59	475.04	11.55	42.113		
1,800.00	1,793.57	1,701.97	1,663.00	6.51	7.91	163.19	-386.34	31.75	521.19	508.90	12.29	42.413		
1,900.00	1,892.99	1,791.85	1,753.89	6.90	8.40	163.24	-409.49	34.22	555.79	542.79	12.99	42.779		
2,000.00	1,992.40	1,885.68	1,844.78	7.29	8.92	163.27	-432.65	36.68	590.39	576.67	13.71	43.056		
2,100.00	2,091.81	1,979.50	1,935.66	7.69	9.44	163.31	-455.80	39.15	624.98	610.55	14.43	43.304		
2,200.00	2,191.22	2,073.32	2,026.55	8.08	9.96	163.34	-478.96	41.61	659.58	644.43	15.15	43.526		
2,300.00	2,290.63	2,167.15	2,117.44	8.48	10.48	163.36	-502.11	44.08	694.18	678.31	15.88	43.726		
2,400.00	2,390.05	2,260.97	2,208.33	8.87	11.00	163.39	-525.27	46.54	728.78	712.18	16.60	43.908		
2,500.00	2,489.46	2,354.79	2,299.21	9.27	11.52	163.41	-548.43	49.01	763.38	746.06	17.32	44.074		
2,600.00	2,588.87	2,448.62	2,390.10	9.66	12.04	163.43	-571.58	51.47	797.98	779.94	18.04	44.226		
2,700.00	2,688.28	2,542.44	2,480.99	10.06	12.56	163.45	-594.74	53.94	832.58	813.81	18.77	44.365		
2,800.00	2,787.69	2,636.26	2,571.88	10.45	13.08	163.47	-617.89	56.40	867.18	847.69	19.49	44.493		
2,900.00	2,887.11	2,730.09	2,662.76	10.85	13.60	163.48	-641.05	58.87	901.78	881.56	20.21	44.611		
3,000.00	2,986.52	2,823.91	2,753.65	11.24	14.12	163.50	-664.20	61.33	936.38	915.44	20.94	44.721		
3,100.00	3,085.93	2,917.73	2,844.54	11.64	14.64	163.51	-687.36	63.80	970.98	949.31	21.66	44.823		
3,200.00	3,185.34	3,011.56	2,935.43	12.04	15.17	163.52	-710.52	66.26	1,005.58	983.19	22.39	44.918		
3,300.00	3,284.75	3,105.38	3,026.32	12.43	15.69	163.54	-733.67	68.73	1,040.18	1,017.06	23.11	45.006		
3,400.00	3,384.17	3,200.80	3,117.20	12.83	16.22	163.55	-756.83	71.19	1,074.78	1,050.93	23.84	45.076		
3,500.00	3,483.58	3,306.97	3,208.09	13.22	16.81	163.56	-779.98	73.66	1,109.38	1,084.76	24.62	45.063		
3,600.00	3,582.99	3,386.85	3,298.98	13.62	17.25	163.57	-803.14	76.12	1,143.98	1,118.69	25.29	45.238		
3,700.00	3,682.40	3,480.67	3,389.87	14.02	17.77	163.58	-826.30	78.59	1,178.58	1,152.56	26.01	45.307		
3,800.00	3,781.82	3,574.50	3,480.75	14.41	18.30	163.59	-849.45	81.05	1,213.18	1,186.44	26.74	45.371		
3,900.00	3,881.23	3,668.32	3,571.64	14.81	18.82	163.59	-872.61	83.52	1,247.78	1,220.31	27.46	45.431		
4,000.00	3,980.64	3,762.14	3,662.53	15.21	19.34	163.60	-895.76	85.98	1,282.38	1,254.18	28.19	45.489		
4,100.00	4,080.05	3,855.97	3,753.42	15.60	19.86	163.61	-918.92	88.45	1,316.98	1,288.06	28.92	45.543		
4,200.00	4,179.46	3,949.79	3,844.30	16.00	20.38	163.62	-942.07	90.91	1,351.58	1,321.93	29.64	45.594		
4,300.00	4,278.88	4,043.61	3,935.19	16.40	20.91	163.62	-965.23	93.38	1,386.18	1,355.80	30.37	45.642		
4,400.00	4,378.29	4,137.44	4,026.08	16.79	21.43	163.63	-988.39	95.84	1,420.78	1,389.68	31.10	45.688		
4,500.00	4,477.70	4,231.26	4,116.97	17.19	21.95	163.63	-1,011.54	98.31	1,455.38	1,423.55	31.82	45.732		
4,600.00	4,577.11	4,325.08	4,207.85	17.59	22.47	163.64	-1,034.70	100.77	1,489.98	1,457.42	32.55	45.773		
4,700.00	4,676.52	4,418.91	4,298.74	17.98	22.99	163.65	-1,057.85	103.24	1,524.58	1,491.30	33.28	45.813		
4,800.00	4,775.94	4,512.73	4,389.63	18.38	23.52	163.65	-1,081.01	105.70	1,559.18	1,525.17	34.01	45.850		
4,900.00	4,875.35	4,606.55	4,480.52	18.78	24.04	163.66	-1,104.16	108.17	1,593.78	1,559.04	34.73	45.886		
5,000.00	4,974.76	4,700.38	4,571.40	19.17	24.56	163.66	-1,127.32	110.63	1,628.38	1,592.91	35.46	45.920		
5,100.00	5,074.17	4,805.80	4,662.29	19.57	25.15	163.67	-1,150.48	113.10	1,662.98	1,626.74	36.24	45.983		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 11-12 2BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 2BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	5,173.58	4,888.02	4,753.18	19.97	25.60	163.67	-1,173.63	115.56	1,697.58	1,660.66	36.92	45.984		
5,300.00	5,273.00	4,981.85	4,844.07	20.36	26.13	163.67	-1,196.79	118.03	1,732.18	1,694.53	37.65	46.013		
5,400.00	5,372.41	5,075.67	4,934.95	20.76	26.65	163.68	-1,219.94	120.49	1,766.78	1,728.40	38.37	46.042		
5,500.00	5,471.82	5,169.49	5,028.84	21.16	27.17	163.68	-1,243.10	122.96	1,801.38	1,762.27	39.10	46.069		
5,600.00	5,571.23	5,263.32	5,116.73	21.55	27.69	163.69	-1,266.26	125.43	1,835.98	1,796.15	39.83	46.095		
5,700.00	5,670.64	5,357.14	5,207.62	21.95	28.22	163.69	-1,289.41	127.89	1,870.58	1,830.02	40.56	46.119		
5,800.00	5,770.06	5,450.97	5,298.50	22.35	28.74	163.69	-1,312.57	130.36	1,905.18	1,863.89	41.29	46.143		
5,900.00	5,869.47	5,544.79	5,389.39	22.74	29.26	163.70	-1,335.72	132.82	1,939.78	1,897.76	42.02	46.166		
6,000.00	5,968.88	5,638.61	5,480.28	23.14	29.78	163.70	-1,358.88	135.29	1,974.38	1,931.63	42.75	46.188		
6,100.00	6,068.29	5,732.44	5,571.17	23.54	30.30	163.70	-1,382.03	137.75	2,008.98	1,965.50	43.48	46.209		
6,200.00	6,167.70	5,826.26	5,662.06	23.93	30.83	163.71	-1,405.19	140.22	2,043.58	1,999.37	44.21	46.229		
6,300.00	6,267.12	5,920.08	5,752.94	24.33	31.35	163.71	-1,428.35	142.68	2,078.18	2,033.24	44.94	46.248		
6,400.00	6,366.53	6,013.91	5,843.83	24.73	31.87	163.71	-1,451.50	145.15	2,112.78	2,067.11	45.67	46.266		
6,500.00	6,465.94	6,107.73	5,934.72	25.13	32.39	163.71	-1,474.66	147.61	2,147.38	2,100.98	46.40	46.284		
6,600.00	6,565.35	6,201.55	6,025.61	25.52	32.92	163.72	-1,497.81	150.08	2,181.98	2,134.85	47.13	46.301		
6,700.00	6,664.76	6,295.38	6,116.49	25.92	33.44	163.72	-1,520.97	152.54	2,216.58	2,168.72	47.86	46.317		
6,800.00	6,764.18	6,389.20	6,207.38	26.32	33.96	163.72	-1,544.12	155.01	2,251.18	2,202.59	48.59	46.333		
6,900.00	6,863.59	6,483.02	6,298.27	26.71	34.48	163.72	-1,567.28	157.47	2,285.78	2,236.46	49.32	46.348		
7,000.00	6,963.00	6,576.85	6,389.16	27.11	35.01	163.73	-1,590.44	159.94	2,320.38	2,270.33	50.05	46.363		
7,100.00	7,062.41	6,670.67	6,480.04	27.51	35.53	163.73	-1,613.59	162.40	2,354.98	2,304.20	50.78	46.376		
7,200.00	7,161.82	6,764.49	6,570.93	27.90	36.05	155.16	-1,636.75	164.87	2,389.58	2,338.07	51.51	46.389		
7,300.00	7,260.26	6,857.70	6,661.23	28.31	36.57	111.34	-1,659.75	167.32	2,423.90	2,371.64	52.26	46.380		
7,400.00	7,354.90	6,947.83	6,748.53	28.74	37.07	98.16	-1,682.00	169.68	2,457.21	2,404.17	53.04	46.331		
7,500.00	7,442.86	7,032.14	6,830.20	29.18	37.54	91.56	-1,702.80	171.90	2,489.03	2,435.20	53.83	46.239		
7,600.00	7,521.47	7,108.06	6,903.75	29.64	37.96	87.35	-1,721.54	173.89	2,519.18	2,464.52	54.65	46.095		
7,700.00	7,588.34	7,173.30	6,966.94	30.16	38.33	84.29	-1,737.64	175.61	2,547.66	2,492.13	55.53	45.882		
7,800.00	7,641.45	7,225.86	7,017.86	30.79	38.62	81.82	-1,750.61	176.99	2,574.55	2,518.07	56.48	45.584		
7,900.00	7,679.17	7,264.15	7,054.96	31.58	38.83	79.64	-1,760.06	177.99	2,599.91	2,542.38	57.52	45.197		
8,000.00	7,700.36	7,287.01	7,077.10	32.55	38.96	77.57	-1,765.71	178.59	2,623.66	2,565.00	58.65	44.732		
8,100.00	7,705.00	7,294.33	7,084.19	33.68	39.00	76.12	-1,767.51	178.79	2,645.75	2,585.92	59.83	44.220		
8,200.00	7,705.00	8,376.26	7,705.00	34.99	45.05	90.04	-1,935.12	865.99	2,661.92	2,592.40	69.53	38.287		
8,300.00	7,705.00	8,476.26	7,705.00	36.45	45.87	90.04	-1,936.53	965.98	2,662.02	2,589.49	72.54	36.699		
8,400.00	7,705.00	8,576.26	7,705.00	38.06	46.83	90.04	-1,937.94	1,065.97	2,662.12	2,586.31	75.81	35.115		
8,500.00	7,705.00	8,676.26	7,705.00	39.79	47.93	90.04	-1,939.35	1,165.96	2,662.22	2,582.90	79.32	33.564		
8,600.00	7,705.00	8,776.25	7,705.00	41.62	49.18	90.04	-1,940.76	1,265.95	2,662.32	2,579.29	83.03	32.066		
8,700.00	7,705.00	8,876.25	7,705.00	43.55	50.56	90.04	-1,942.17	1,365.94	2,662.42	2,575.51	86.91	30.634		
8,800.00	7,705.00	8,976.25	7,705.00	45.56	52.08	90.04	-1,943.58	1,465.93	2,662.52	2,571.57	90.95	29.274		
8,900.00	7,705.00	9,076.25	7,705.00	47.64	53.71	90.04	-1,944.99	1,565.92	2,662.62	2,567.49	95.12	27.991		
9,000.00	7,705.00	9,176.25	7,705.00	49.78	55.45	90.04	-1,946.40	1,665.91	2,662.72	2,563.30	99.41	26.784		
9,100.00	7,705.00	9,276.25	7,705.00	51.97	57.28	90.04	-1,947.81	1,765.90	2,662.82	2,559.01	103.81	25.651		
9,200.00	7,705.00	9,376.25	7,705.00	54.20	59.19	90.04	-1,949.21	1,865.89	2,662.92	2,554.62	108.29	24.590		
9,300.00	7,705.00	9,476.25	7,705.00	56.48	61.18	90.04	-1,950.62	1,965.88	2,663.01	2,550.16	112.85	23.597		
9,400.00	7,705.00	9,576.25	7,705.00	58.80	63.23	90.04	-1,952.03	2,065.87	2,663.11	2,545.63	117.49	22.667		
9,500.00	7,705.00	9,676.25	7,705.00	61.14	65.34	90.04	-1,953.44	2,165.86	2,663.21	2,541.03	122.18	21.797		
9,600.00	7,705.00	9,776.25	7,705.00	63.52	67.50	90.04	-1,954.85	2,265.85	2,663.31	2,536.38	126.93	20.982		
9,700.00	7,705.00	9,876.25	7,705.00	65.91	69.70	90.04	-1,956.26	2,365.84	2,663.41	2,531.68	131.73	20.218		
9,800.00	7,705.00	9,976.25	7,705.00	68.34	71.95	90.04	-1,957.67	2,465.83	2,663.51	2,526.93	136.58	19.502		
9,900.00	7,705.00	10,076.25	7,705.00	70.78	74.23	90.04	-1,959.08	2,565.82	2,663.61	2,522.15	141.46	18.829		
10,000.00	7,705.00	10,176.25	7,705.00	73.24	76.54	90.04	-1,960.49	2,665.81	2,663.71	2,517.33	146.38	18.197		
10,100.00	7,705.00	10,276.25	7,705.00	75.71	78.87	90.04	-1,961.90	2,765.80	2,663.81	2,512.47	151.34	17.602		
10,200.00	7,705.00	10,376.25	7,705.00	78.20	81.24	90.04	-1,963.31	2,865.79	2,663.91	2,507.59	156.32	17.042		
10,300.00	7,705.00	10,476.25	7,705.00	80.70	83.62	90.04	-1,964.71	2,965.78	2,664.01	2,502.68	161.32	16.513		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 11-12 2BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 2BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,400.00	7,705.00	10,576.25	7,705.00	83.22	86.03	90.04	-1,966.12	3,065.77	2,664.11	2,497.75	166.36	16.015		
10,500.00	7,705.00	10,676.25	7,705.00	85.75	88.45	90.04	-1,967.53	3,165.76	2,664.21	2,492.80	171.41	15.543		
10,600.00	7,705.00	10,776.25	7,705.00	88.28	90.89	90.04	-1,968.94	3,265.75	2,664.31	2,487.82	176.48	15.097		
10,700.00	7,705.00	10,876.25	7,705.00	90.83	93.35	90.04	-1,970.35	3,365.74	2,664.41	2,482.83	181.57	14.674		
10,800.00	7,705.00	10,976.25	7,705.00	93.38	95.82	90.04	-1,971.76	3,465.73	2,664.50	2,477.82	186.68	14.273		
10,900.00	7,705.00	11,076.25	7,705.00	95.95	98.30	90.04	-1,973.17	3,565.72	2,664.60	2,472.80	191.81	13.892		
11,000.00	7,705.00	11,176.25	7,705.00	98.52	100.80	90.04	-1,974.58	3,665.71	2,664.70	2,467.76	196.95	13.530		
11,100.00	7,705.00	11,276.25	7,705.00	101.09	103.30	90.04	-1,975.99	3,765.70	2,664.80	2,462.70	202.10	13.186		
11,200.00	7,705.00	11,376.25	7,705.00	103.67	105.82	90.04	-1,977.40	3,865.69	2,664.90	2,457.64	207.26	12.858		
11,300.00	7,705.00	11,476.25	7,705.00	106.26	108.35	90.04	-1,978.80	3,965.68	2,665.00	2,452.56	212.44	12.545		
11,400.00	7,705.00	11,576.25	7,705.00	108.85	110.88	90.04	-1,980.21	4,065.67	2,665.10	2,447.48	217.62	12.246		
11,500.00	7,705.00	11,676.25	7,705.00	111.45	113.42	90.04	-1,981.62	4,165.66	2,665.20	2,442.38	222.82	11.961		
11,600.00	7,705.00	11,776.25	7,705.00	114.06	115.97	90.04	-1,983.03	4,265.65	2,665.30	2,437.28	228.02	11.689		
11,700.00	7,705.00	11,876.25	7,705.00	116.66	118.53	90.04	-1,984.44	4,365.64	2,665.40	2,432.16	233.24	11.428		
11,800.00	7,705.00	11,976.25	7,705.00	119.27	121.09	90.04	-1,985.85	4,465.63	2,665.50	2,427.04	238.46	11.178		
11,900.00	7,705.00	12,076.25	7,705.00	121.89	123.66	90.04	-1,987.26	4,565.62	2,665.60	2,421.91	243.69	10.939		
12,000.00	7,705.00	12,176.25	7,705.00	124.51	126.23	90.04	-1,988.67	4,665.61	2,665.70	2,416.77	248.92	10.709		
12,100.00	7,705.00	12,276.25	7,705.00	127.13	128.81	90.04	-1,990.08	4,765.60	2,665.80	2,411.63	254.17	10.488		
12,200.00	7,705.00	12,376.25	7,705.00	129.75	131.40	90.04	-1,991.49	4,865.59	2,665.90	2,406.48	259.41	10.277		
12,300.00	7,705.00	12,476.25	7,705.00	132.38	133.99	90.04	-1,992.89	4,965.58	2,666.00	2,401.33	264.67	10.073		
12,400.00	7,705.00	12,576.25	7,705.00	135.01	136.58	90.04	-1,994.30	5,065.57	2,666.09	2,396.17	269.93	9.877		
12,500.00	7,705.00	12,676.25	7,705.00	137.64	139.18	90.04	-1,995.71	5,165.56	2,666.19	2,391.00	275.19	9.688		
12,600.00	7,705.00	12,776.25	7,705.00	140.28	141.78	90.04	-1,997.12	5,265.55	2,666.29	2,385.83	280.46	9.507		
12,700.00	7,705.00	12,876.25	7,705.00	142.91	144.38	90.04	-1,998.53	5,365.54	2,666.39	2,380.66	285.74	9.332		
12,800.00	7,705.00	12,976.25	7,705.00	145.55	146.99	90.04	-1,999.94	5,465.53	2,666.49	2,375.48	291.01	9.163		
12,900.00	7,705.00	13,076.25	7,705.00	148.19	149.60	90.04	-2,001.35	5,565.52	2,666.59	2,370.29	296.30	9.000		
13,000.00	7,705.00	13,176.25	7,705.00	150.84	152.22	90.04	-2,002.76	5,665.51	2,666.69	2,365.11	301.58	8.842		
13,100.00	7,705.00	13,276.25	7,705.00	153.48	154.84	90.04	-2,004.17	5,765.50	2,666.79	2,359.92	306.87	8.690		
13,200.00	7,705.00	13,376.25	7,705.00	156.13	157.46	90.04	-2,005.58	5,865.49	2,666.89	2,354.72	312.17	8.543		
13,300.00	7,705.00	13,476.25	7,705.00	158.78	160.08	90.04	-2,006.99	5,965.48	2,666.99	2,349.52	317.46	8.401		
13,400.00	7,705.00	13,576.25	7,705.00	161.43	162.71	90.04	-2,008.39	6,065.47	2,667.09	2,344.32	322.76	8.263		
13,500.00	7,705.00	13,676.25	7,705.00	164.08	165.33	90.04	-2,009.80	6,165.46	2,667.19	2,339.12	328.07	8.130		
13,600.00	7,705.00	13,776.25	7,705.00	166.73	167.96	90.04	-2,011.21	6,265.45	2,667.29	2,333.91	333.37	8.001		
13,700.00	7,705.00	13,876.25	7,705.00	169.39	170.60	90.04	-2,012.62	6,365.44	2,667.39	2,328.70	338.68	7.876		
13,800.00	7,705.00	13,976.25	7,705.00	172.04	173.23	90.04	-2,014.03	6,465.43	2,667.49	2,323.49	343.99	7.754		
13,900.00	7,705.00	14,076.25	7,705.00	174.70	175.87	90.04	-2,015.44	6,565.42	2,667.58	2,318.28	349.31	7.637		
14,000.00	7,705.00	14,176.25	7,705.00	177.36	178.50	90.04	-2,016.85	6,665.41	2,667.68	2,313.06	354.62	7.523		
14,100.00	7,705.00	14,276.25	7,705.00	180.02	181.14	90.04	-2,018.26	6,765.40	2,667.78	2,307.84	359.94	7.412		
14,200.00	7,705.00	14,376.25	7,705.00	182.68	183.78	90.04	-2,019.67	6,865.39	2,667.88	2,302.62	365.26	7.304		
14,300.00	7,705.00	14,476.25	7,705.00	185.34	186.43	90.04	-2,021.07	6,965.38	2,667.98	2,297.40	370.59	7.199		
14,400.00	7,705.00	14,576.25	7,705.00	188.00	189.07	90.04	-2,022.48	7,065.37	2,668.08	2,292.17	375.91	7.098		
14,500.00	7,705.00	14,676.25	7,705.00	190.67	191.72	90.04	-2,023.89	7,165.36	2,668.18	2,286.94	381.24	6.999		
14,600.00	7,705.00	14,776.25	7,705.00	193.33	194.37	90.04	-2,025.30	7,265.35	2,668.28	2,281.71	386.57	6.903		
14,700.00	7,705.00	14,876.25	7,705.00	196.00	197.01	90.04	-2,026.71	7,365.34	2,668.38	2,276.48	391.90	6.809		
14,800.00	7,705.00	14,976.25	7,705.00	198.66	199.66	90.04	-2,028.12	7,465.33	2,668.48	2,271.25	397.23	6.718		
14,900.00	7,705.00	15,076.25	7,705.00	201.33	202.32	90.04	-2,029.53	7,565.32	2,668.58	2,266.02	402.56	6.629		
15,000.00	7,705.00	15,176.25	7,705.00	204.00	204.97	90.04	-2,030.94	7,665.31	2,668.68	2,260.78	407.90	6.543		
15,100.00	7,705.00	15,276.25	7,705.00	206.66	207.62	90.04	-2,032.35	7,765.30	2,668.78	2,255.54	413.23	6.458		
15,200.00	7,705.00	15,376.25	7,705.00	209.33	210.28	90.04	-2,033.76	7,865.29	2,668.88	2,250.31	418.57	6.376		
15,300.00	7,705.00	15,476.25	7,705.00	212.00	212.93	90.04	-2,035.16	7,965.28	2,668.98	2,245.07	423.91	6.296		
15,400.00	7,705.00	15,576.25	7,705.00	214.67	215.59	90.04	-2,036.57	8,065.27	2,669.07	2,239.83	429.25	6.218		
15,500.00	7,705.00	15,676.25	7,705.00	217.34	218.25	90.04	-2,037.98	8,165.26	2,669.17	2,234.58	434.59	6.142		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 11-12 2BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 2BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

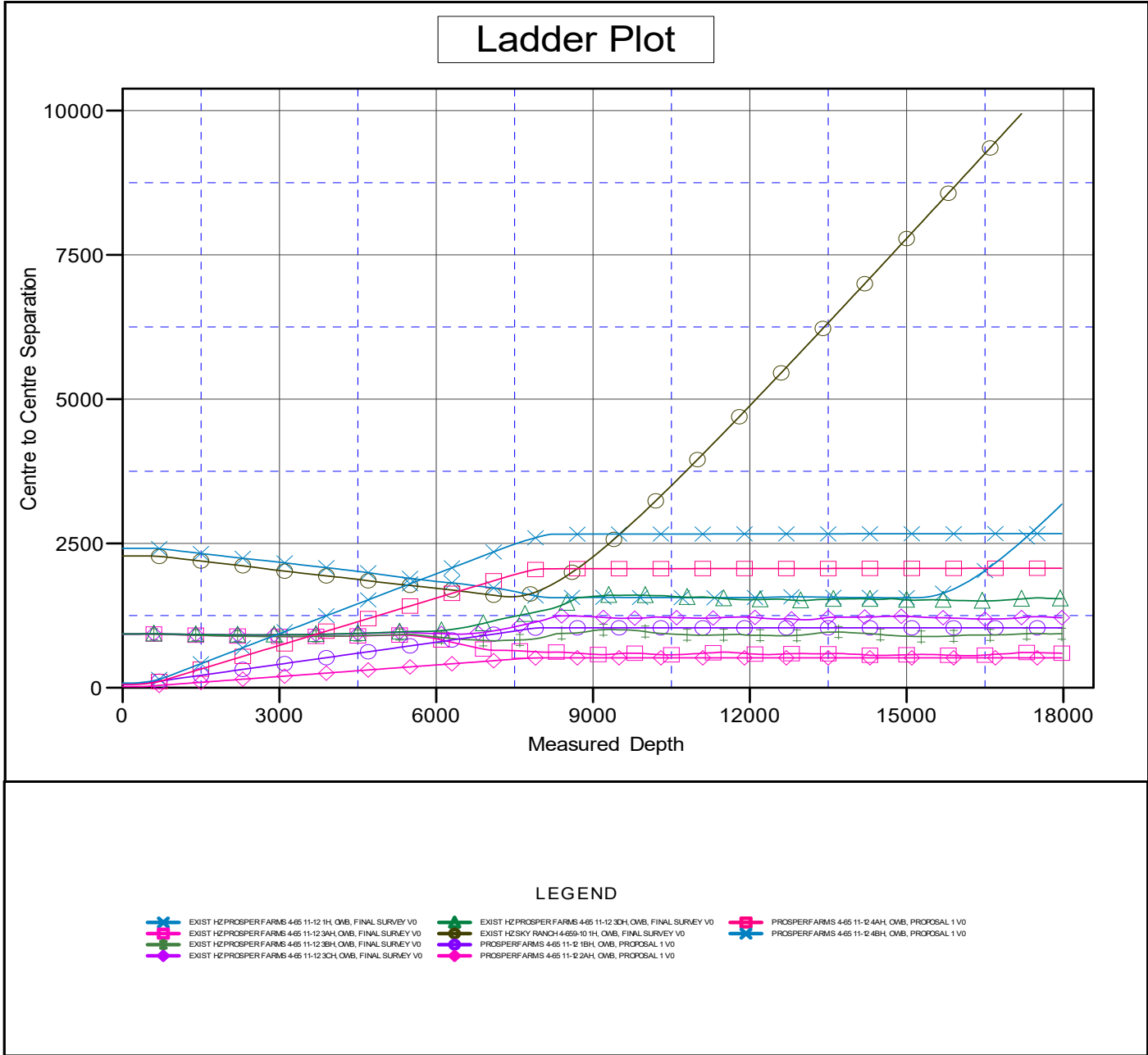
Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
15,600.00	7,705.00	15,776.25	7,705.00	220.02	220.91	90.04	-2,039.39	8,265.25	2,669.27	2,229.34	439.93	6.067		
15,700.00	7,705.00	15,876.25	7,705.00	222.69	223.57	90.04	-2,040.80	8,365.24	2,669.37	2,224.09	445.28	5.995		
15,800.00	7,705.00	15,976.25	7,705.00	225.36	226.23	90.04	-2,042.21	8,465.23	2,669.47	2,218.85	450.62	5.924		
15,900.00	7,705.00	16,076.25	7,705.00	228.03	228.89	90.04	-2,043.62	8,565.22	2,669.57	2,213.60	455.97	5.855		
16,000.00	7,705.00	16,176.25	7,705.00	230.71	231.55	90.04	-2,045.03	8,665.21	2,669.67	2,208.35	461.32	5.787		
16,100.00	7,705.00	16,276.25	7,705.00	233.38	234.21	90.04	-2,046.44	8,765.20	2,669.77	2,203.10	466.67	5.721		
16,200.00	7,705.00	16,376.25	7,705.00	236.06	236.88	90.04	-2,047.85	8,865.19	2,669.87	2,197.85	472.02	5.656		
16,300.00	7,705.00	16,476.25	7,705.00	238.73	239.54	90.04	-2,049.25	8,965.18	2,669.97	2,192.60	477.37	5.593		
16,400.00	7,705.00	16,576.25	7,705.00	241.41	242.21	90.04	-2,050.66	9,065.17	2,670.07	2,187.35	482.72	5.531		
16,500.00	7,705.00	16,676.25	7,705.00	244.08	244.87	90.04	-2,052.07	9,165.16	2,670.17	2,182.10	488.07	5.471		
16,600.00	7,705.00	16,776.25	7,705.00	246.76	247.54	90.04	-2,053.48	9,265.15	2,670.27	2,176.84	493.42	5.412		
16,700.00	7,705.00	16,876.25	7,705.00	249.44	250.21	90.04	-2,054.89	9,365.14	2,670.37	2,171.59	498.78	5.354		
16,800.00	7,705.00	16,976.25	7,705.00	252.12	252.87	90.04	-2,056.30	9,465.13	2,670.47	2,166.33	504.13	5.297		
16,900.00	7,705.00	17,076.25	7,705.00	254.79	255.54	90.04	-2,057.71	9,565.12	2,670.56	2,161.08	509.49	5.242		
17,000.00	7,705.00	17,176.25	7,705.00	257.47	258.21	90.04	-2,059.12	9,665.11	2,670.66	2,155.82	514.84	5.187		
17,100.00	7,705.00	17,276.25	7,705.00	260.15	260.88	90.04	-2,060.53	9,765.10	2,670.76	2,150.56	520.20	5.134		
17,200.00	7,705.00	17,376.25	7,705.00	262.83	263.55	90.04	-2,061.94	9,865.09	2,670.86	2,145.30	525.56	5.082		
17,300.00	7,705.00	17,476.25	7,705.00	265.51	266.22	90.04	-2,063.34	9,965.08	2,670.96	2,140.04	530.92	5.031		
17,400.00	7,705.00	17,576.25	7,705.00	268.19	268.89	90.04	-2,064.75	10,065.07	2,671.06	2,134.78	536.28	4.981		
17,500.00	7,705.00	17,676.25	7,705.00	270.87	271.57	90.04	-2,066.16	10,165.06	2,671.16	2,129.52	541.64	4.932		
17,600.00	7,705.00	17,776.25	7,705.00	273.55	274.24	90.04	-2,067.57	10,265.05	2,671.26	2,124.26	547.00	4.883		
17,700.00	7,705.00	17,876.25	7,705.00	276.23	276.91	90.04	-2,068.98	10,365.04	2,671.36	2,119.00	552.36	4.836		
17,800.00	7,705.00	17,976.25	7,705.00	278.91	279.58	90.04	-2,070.39	10,465.03	2,671.46	2,113.74	557.72	4.790		
17,900.00	7,705.00	18,076.25	7,705.00	281.59	282.26	90.04	-2,071.80	10,565.02	2,671.56	2,108.47	563.08	4.745		
17,972.40	7,705.00	18,148.65	7,705.00	283.53	284.19	90.04	-2,072.82	10,637.41	2,671.63	2,104.66	566.97	4.712 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 11-12 2BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 2BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB 25' @ 5709.00usft	Coordinates are relative to: PROSPER FARMS 4-65 11-12 2BH
Offset Depths are relative to Offset Datum	Coordinate System is US State Plane 1983, Colorado Central Zone
Central Meridian is 105.500000°W	Grid Convergence at Surface is: 0.54°



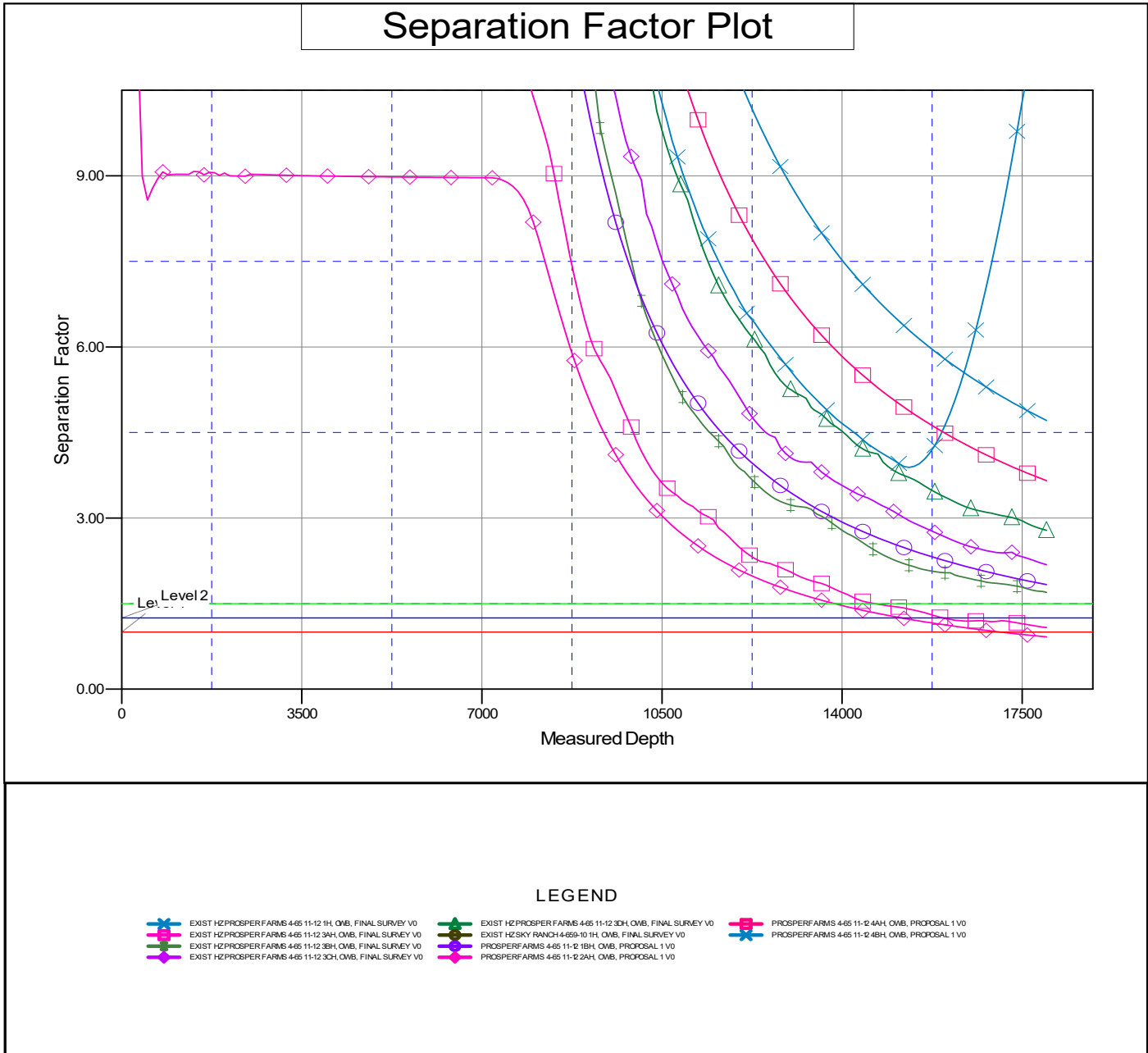
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 11-12 2BH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5709.00usft
Reference Site:	SEC 10-T4S-R65W	MD Reference:	KB 25' @ 5709.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	PROSPER FARMS 4-65 11-12 2BH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB 25' @ 5709.00usft
 Offset Depths are relative to Offset Datum
 Central Meridian is 105.500000°W

Coordinates are relative to: PROSPER FARMS 4-65 11-12 2BH
 Coordinate System is US State Plane 1983, Colorado Central Zone
 Grid Convergence at Surface is: 0.54°



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