

CRESTONE PEAK RESOURCES

ARAPAHOE COUNTY

SEC 15-T4S-R65W

PROSPER FARMS 4-65 14-13 3AH

OWB

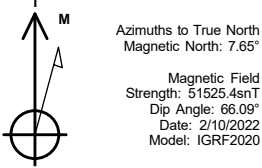
Design: FINAL SURVEY

Standard Survey Report

02 November, 2022

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

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

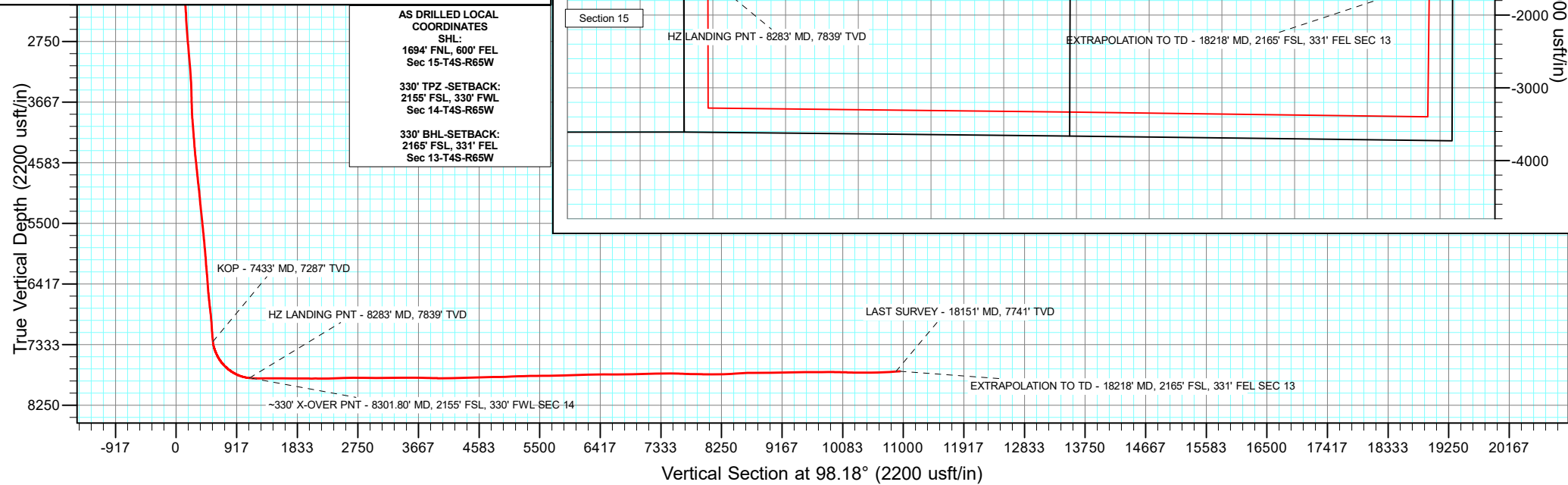
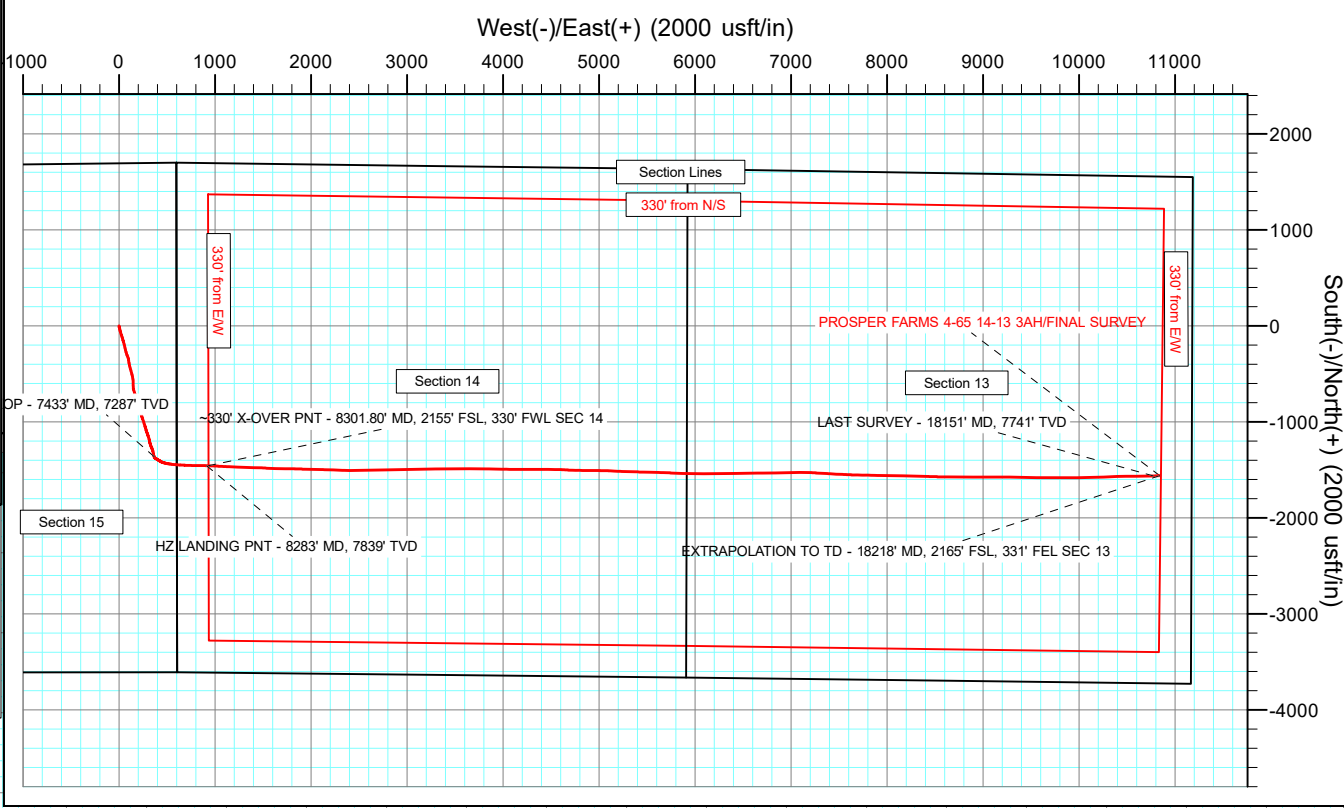
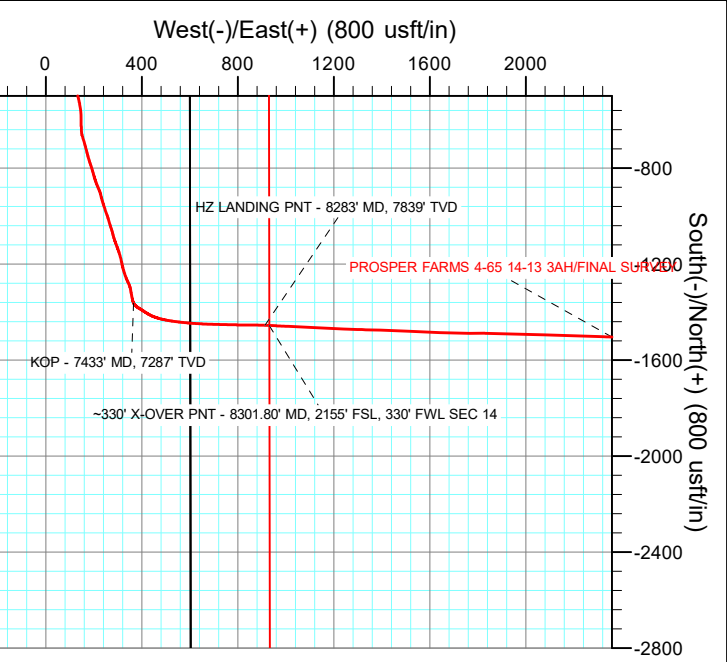


WELL DETAILS: PROSPER FARMS 4-65 14-13 3AH

+N/-S	+E/-W	Northing	Easting	5693.40 Latitude	Longitude	Slot
0.00	0.00	1683355.40	3241109.66	39.706490°N	104.643033°W	

ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	VSec	Departure	Annotation
7433.00	12.07	153.72	7287.01	-1361.32	366.06	556.09	1415.72	KOP - 7433' MD, 7287' TVD
8283.00	84.32	92.15	7838.59	-1454.43	912.92	1110.63	1985.62	HZ LANDING PNT - 8283' MD, 7839' TVD
8301.80	85.96	92.74	7840.18	-1455.23	931.63	1129.27	2004.24	~330' X-OVER PNT - 8301.80' MD, 2155' FSL, 330' FWL SEC 14
18151.00	94.16	88.01	7741.30	-1561.26	10774.45	10886.97	11850.54	LAST SURVEY - 18151' MD, 7741' TVD
18218.00	94.16	88.01	7736.44	-1558.93	10841.23	10952.75	11917.36	EXTRAPOLATION TO TD - 18218' MD, 2165' FSL, 331' FEL SEC 13



AS DRILLED LOCAL
COORDINATES
SHL:
1694' FNL, 600' FEL
Sec 15-T4S-R65W
330' TPZ-SETBACK:
2155' FSL, 330' FWL
Sec 14-T4S-R65W
330' BHL-SETBACK:
2165' FSL, 331' FEL
Sec 13-T4S-R65W

Survey Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Well:	PROSPER FARMS 4-65 14-13 3AH	North Reference:	True
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	FINAL SURVEY	Database:	EDT_32Bit_ODBC

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

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

Well	PROSPER FARMS 4-65 14-13 3AH					
Well Position	+N/-S	0.00 usft	Northing:	1,683,355.40 usft	Latitude:	39.706490°N
	+E/-W	0.00 usft	Easting:	3,241,109.67 usft	Longitude:	104.643033°W
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	5,693.40 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	2/10/2022	7.65	66.09	51,525.35191254

Design	FINAL SURVEY				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	98.18	

Survey Program	Date	11/2/2022			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
210.00	3,334.00	SURFACE SURVEY (OWB)	MWD OWSG	OWSG MWD - Standard	
3,489.00	18,218.00	FINAL SURVEY (OWB)	MWD OWSG	OWSG MWD - Standard	

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	
210.00	1.50	186.20	209.98	-2.73	-0.30	0.10	0.71	0.71	0.00	
302.00	2.00	150.80	301.94	-5.33	0.36	1.11	1.27	0.54	-38.48	
376.00	2.20	154.65	375.89	-7.74	1.59	2.68	0.33	0.27	5.20	
463.00	3.30	164.80	462.78	-11.67	2.97	4.60	1.38	1.26	11.67	
550.00	5.60	167.30	549.52	-18.23	4.56	7.10	2.65	2.64	2.87	
637.00	6.50	168.90	636.03	-27.20	6.44	10.24	1.05	1.03	1.84	
724.00	8.80	168.80	722.25	-38.56	8.68	14.08	2.64	2.64	-0.11	
812.00	11.60	163.70	808.85	-53.66	12.47	19.98	3.34	3.18	-5.80	
899.00	12.10	162.50	894.00	-70.75	17.67	27.56	0.64	0.57	-1.38	

Survey Report

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Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Well:	PROSPER FARMS 4-65 14-13 3AH	North Reference:	True
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	FINAL SURVEY	Database:	EDT_32Bit_ODBC

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)
986.00	11.90	163.40	979.10	-88.04	22.97	35.27	0.31	-0.23	1.03
1,073.00	12.40	161.60	1,064.15	-105.50	28.48	43.21	0.72	0.57	-2.07
1,160.00	10.30	162.10	1,149.44	-121.77	33.82	50.81	2.42	-2.41	0.57
1,248.00	11.50	164.30	1,235.85	-137.70	38.61	57.82	1.44	1.36	2.50
1,335.00	12.50	164.70	1,320.95	-155.13	43.45	65.08	1.15	1.15	0.46
1,422.00	11.30	164.90	1,406.08	-172.44	48.15	72.20	1.38	-1.38	0.23
1,509.00	11.60	164.90	1,491.35	-189.12	52.65	79.03	0.34	0.34	0.00
1,597.00	11.90	166.20	1,577.51	-206.47	57.12	85.92	0.45	0.34	1.48
1,684.00	12.60	167.30	1,662.52	-224.44	61.34	92.66	0.85	0.80	1.26
1,771.00	13.10	167.70	1,747.35	-243.33	65.53	99.50	0.58	0.57	0.46
1,858.00	12.70	164.60	1,832.15	-262.18	70.17	106.77	0.92	-0.46	-3.56
1,945.00	12.04	163.04	1,917.13	-280.08	75.36	114.46	0.85	-0.76	-1.79
2,032.00	11.60	160.50	2,002.29	-297.01	80.92	122.37	0.78	-0.51	-2.92
2,120.00	9.50	155.70	2,088.79	-311.97	86.87	130.39	2.58	-2.39	-5.45
2,207.00	9.80	159.10	2,174.56	-325.43	92.46	137.84	0.74	0.34	3.91
2,294.00	10.00	164.10	2,260.27	-339.61	97.17	144.52	1.01	0.23	5.75
2,381.00	10.80	173.70	2,345.85	-354.98	100.14	149.64	2.19	0.92	11.03
2,468.00	10.90	173.40	2,431.29	-371.25	101.98	153.78	0.13	0.11	-0.34
2,556.00	11.60	169.20	2,517.60	-388.21	104.59	158.78	1.22	0.80	-4.77
2,643.00	12.40	167.80	2,602.70	-405.93	108.20	164.88	0.98	0.92	-1.61
2,730.00	12.30	165.90	2,687.69	-424.05	112.44	171.65	0.48	-0.11	-2.18
2,817.00	11.90	164.50	2,772.75	-441.68	117.09	178.76	0.57	-0.46	-1.61
2,904.00	11.50	163.00	2,857.95	-458.62	122.02	186.06	0.58	-0.46	-1.72
2,991.00	11.80	164.90	2,943.15	-475.50	126.88	193.26	0.56	0.34	2.18
3,078.00	12.30	163.70	3,028.24	-492.98	131.79	200.62	0.64	0.57	-1.38
3,166.00	12.70	166.00	3,114.15	-511.36	136.77	208.16	0.73	0.45	2.61
3,253.00	12.90	169.30	3,198.99	-530.19	140.88	214.91	0.87	0.23	3.79
3,334.00	13.00	171.20	3,277.93	-548.07	143.95	220.50	0.54	0.12	2.35
3,489.00	12.13	177.64	3,429.23	-581.58	147.29	228.57	1.06	-0.56	4.15
3,678.00	9.08	180.59	3,614.98	-616.34	147.96	234.18	1.64	-1.61	1.56
3,772.00	8.43	177.72	3,707.88	-630.64	148.15	236.41	0.83	-0.69	-3.05
3,867.00	9.57	178.11	3,801.71	-645.49	148.69	239.05	1.20	1.20	0.41
3,962.00	10.88	163.83	3,895.21	-662.00	151.45	244.13	2.99	1.38	-15.03
4,151.00	9.99	163.49	4,081.09	-694.85	161.08	258.34	0.47	-0.47	-0.18
4,245.00	11.47	164.31	4,173.44	-711.66	165.92	265.53	1.58	1.57	0.87
4,340.00	12.16	166.02	4,266.43	-730.47	170.89	273.12	0.81	0.73	1.80
4,434.00	10.92	165.22	4,358.53	-748.68	175.56	280.33	1.33	-1.32	-0.85
4,528.00	12.28	162.61	4,450.60	-766.83	180.82	288.12	1.55	1.45	-2.78
4,623.00	14.72	161.17	4,542.97	-787.90	187.73	297.96	2.59	2.57	-1.52
4,718.00	12.92	163.64	4,635.22	-809.52	194.62	307.86	1.99	-1.89	2.60
4,813.00	15.03	164.64	4,727.40	-831.59	200.87	317.19	2.24	2.22	1.05
4,907.00	11.72	160.74	4,818.84	-852.36	207.25	326.46	3.65	-3.52	-4.15
5,002.00	13.93	158.08	4,911.47	-872.08	214.71	336.65	2.41	2.33	-2.80

Survey Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Well:	PROSPER FARMS 4-65 14-13 3AH	North Reference:	True
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	FINAL SURVEY	Database:	EDT_32Bit_ODBC

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,097.00	11.93	156.55	5,004.05	-891.70	222.88	347.53	2.14	-2.11	-1.61
5,192.00	13.31	166.90	5,096.77	-911.36	229.27	356.65	2.78	1.45	10.89
5,286.00	12.18	163.94	5,188.45	-931.43	234.47	364.65	1.39	-1.20	-3.15
5,381.00	14.18	162.06	5,280.95	-952.13	240.82	373.89	2.15	2.11	-1.98
5,476.00	13.26	160.85	5,373.23	-973.50	247.98	384.02	1.01	-0.97	-1.27
5,570.00	12.20	160.80	5,464.92	-993.06	254.79	393.54	1.13	-1.13	-0.05
5,664.00	14.04	164.17	5,556.47	-1,013.41	261.16	402.75	2.12	1.96	3.59
5,759.00	13.37	162.36	5,648.76	-1,034.97	267.63	412.22	0.84	-0.71	-1.91
5,854.00	11.70	161.72	5,741.49	-1,054.58	273.99	421.30	1.76	-1.76	-0.67
5,948.00	13.34	166.56	5,833.26	-1,074.18	279.50	429.54	2.07	1.74	5.15
6,043.00	11.92	161.45	5,925.96	-1,094.14	285.16	437.99	1.90	-1.49	-5.38
6,137.00	9.30	160.09	6,018.34	-1,110.49	290.84	445.94	2.80	-2.79	-1.45
6,231.00	8.14	160.31	6,111.26	-1,123.90	295.67	452.63	1.23	-1.23	0.23
6,326.00	11.94	159.52	6,204.78	-1,139.44	301.38	460.49	4.00	4.00	-0.83
6,421.00	10.42	162.87	6,297.98	-1,156.86	307.34	468.87	1.74	-1.60	3.53
6,516.00	10.88	165.98	6,391.34	-1,173.77	312.05	475.94	0.77	0.48	3.27
6,610.00	11.82	168.67	6,483.50	-1,191.81	316.09	482.50	1.15	1.00	2.86
6,705.00	15.25	165.74	6,575.85	-1,213.47	321.08	490.53	3.68	3.61	-3.08
6,800.00	12.80	162.29	6,668.02	-1,235.61	327.36	499.89	2.72	-2.58	-3.63
6,894.00	13.69	159.04	6,759.52	-1,255.92	334.51	509.86	1.23	0.95	-3.46
6,989.00	11.23	153.33	6,852.28	-1,274.68	342.68	520.62	2.89	-2.59	-6.01
7,083.00	11.39	160.60	6,944.45	-1,291.62	349.87	530.15	1.53	0.17	7.73
7,177.00	12.84	171.74	7,036.37	-1,310.71	354.46	537.41	2.92	1.54	11.85
7,272.00	10.64	168.13	7,129.38	-1,329.74	357.78	543.40	2.44	-2.32	-3.80
7,366.00	12.29	168.57	7,221.50	-1,348.04	361.55	549.74	1.76	1.76	0.47
7,433.00	12.07	153.72	7,287.01	-1,361.32	366.06	556.09	4.67	-0.33	-22.16
KOP - 7433' MD, 7287' TVD									
7,461.00	12.21	147.53	7,314.38	-1,366.44	368.95	559.68	4.67	0.51	-22.11
7,555.00	21.34	121.32	7,404.41	-1,383.78	388.96	581.96	12.39	9.71	-27.88
7,650.00	27.42	122.82	7,490.90	-1,404.64	422.14	617.77	6.43	6.40	1.58
7,744.00	35.03	106.92	7,571.36	-1,424.28	466.28	664.26	11.88	8.10	-16.91
7,838.00	43.27	98.22	7,644.25	-1,436.77	524.12	723.28	10.52	8.77	-9.26
7,933.00	51.63	95.20	7,708.44	-1,444.82	593.56	793.17	9.10	8.80	-3.18
8,027.00	59.82	91.96	7,761.34	-1,449.55	671.01	870.50	9.16	8.71	-3.45
8,121.00	68.94	91.41	7,801.95	-1,452.03	755.65	954.62	9.72	9.70	-0.59
8,216.00	78.47	90.04	7,828.57	-1,453.15	846.71	1,044.93	10.13	10.03	-1.44
8,283.00	84.32	92.15	7,838.59	-1,454.43	912.92	1,110.63	9.27	8.73	3.15
HZ LANDING PNT - 8283' MD, 7839' TVD									
8,301.80	85.96	92.74	7,840.18	-1,455.23	931.63	1,129.27	9.27	8.74	3.10
-330' X-OVER PNT - 8301.80' MD, 2155' FSL, 330' FWL SEC 14									
8,310.00	86.68	92.99	7,840.71	-1,455.64	939.80	1,137.42	9.27	8.74	3.09
8,405.00	89.75	92.41	7,843.67	-1,460.11	1,034.64	1,231.93	3.29	3.23	-0.61
8,499.00	90.63	93.10	7,843.36	-1,464.63	1,128.53	1,325.50	1.19	0.94	0.73
8,594.00	89.89	92.38	7,842.93	-1,469.17	1,223.42	1,420.07	1.09	-0.78	-0.76

Survey Report

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Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	FINAL SURVEY	Database:	EDT_32Bit_ODBC

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
8,688.00	89.91	91.92	7,843.09	-1,472.70	1,317.35	1,513.55	0.49	0.02	-0.49	
8,783.00	89.82	91.38	7,843.31	-1,475.43	1,412.31	1,607.93	0.58	-0.09	-0.57	
8,877.00	89.69	92.56	7,843.72	-1,478.66	1,506.25	1,701.38	1.26	-0.14	1.26	
8,972.00	89.71	93.08	7,844.21	-1,483.34	1,601.14	1,795.96	0.55	0.02	0.55	
9,067.00	89.93	91.17	7,844.51	-1,486.86	1,696.07	1,890.43	2.02	0.23	-2.01	
9,161.00	89.05	89.92	7,845.35	-1,487.75	1,790.06	1,983.59	1.63	-0.94	-1.33	
9,256.00	90.39	92.01	7,845.81	-1,489.35	1,885.03	2,077.83	2.61	1.41	2.20	
9,350.00	89.17	91.22	7,846.17	-1,492.00	1,978.99	2,171.21	1.55	-1.30	-0.84	
9,444.00	91.07	91.42	7,845.98	-1,494.17	2,072.96	2,264.53	2.03	2.02	0.21	
9,539.00	91.50	92.14	7,843.85	-1,497.12	2,167.89	2,358.91	0.88	0.45	0.76	
9,633.00	91.57	91.76	7,841.33	-1,500.32	2,261.80	2,452.32	0.41	0.07	-0.40	
9,728.00	92.39	92.02	7,838.05	-1,503.45	2,356.70	2,546.69	0.91	0.86	0.27	
9,823.00	90.68	89.93	7,835.50	-1,505.06	2,451.64	2,640.90	2.84	-1.80	-2.20	
9,917.00	89.66	89.32	7,835.22	-1,504.45	2,545.63	2,733.85	1.26	-1.09	-0.65	
10,012.00	89.50	88.65	7,835.92	-1,502.76	2,640.62	2,827.62	0.73	-0.17	-0.71	
10,107.00	89.36	88.07	7,836.86	-1,500.04	2,735.57	2,921.23	0.63	-0.15	-0.61	
10,202.00	89.20	87.20	7,838.06	-1,496.12	2,830.48	3,014.61	0.93	-0.17	-0.92	
10,297.00	90.22	89.75	7,838.54	-1,493.60	2,925.44	3,108.24	2.89	1.07	2.68	
10,391.00	91.13	88.99	7,837.43	-1,492.56	3,019.43	3,201.12	1.26	0.97	-0.81	
10,486.00	90.98	88.99	7,835.68	-1,490.89	3,114.39	3,294.89	0.16	-0.16	0.00	
10,580.00	91.05	88.49	7,834.02	-1,488.82	3,208.36	3,387.60	0.54	0.07	-0.53	
10,675.00	89.67	91.42	7,833.42	-1,488.75	3,303.34	3,481.61	3.41	-1.45	3.08	
10,769.00	90.00	89.51	7,833.69	-1,489.51	3,397.33	3,574.75	2.06	0.35	-2.03	
10,864.00	89.06	89.51	7,834.47	-1,488.70	3,492.33	3,668.66	0.99	-0.99	0.00	
10,959.00	87.89	89.58	7,837.00	-1,487.94	3,587.29	3,762.55	1.23	-1.23	0.07	
11,054.00	89.10	90.71	7,839.49	-1,488.19	3,682.25	3,856.58	1.74	1.27	1.19	
11,148.00	88.68	90.53	7,841.31	-1,489.20	3,776.23	3,949.74	0.49	-0.45	-0.19	
11,243.00	90.88	90.18	7,841.68	-1,489.79	3,871.22	4,043.85	2.34	2.32	-0.37	
11,338.00	91.06	90.30	7,840.07	-1,490.19	3,966.21	4,137.93	0.23	0.19	0.13	
11,432.00	91.14	92.07	7,838.27	-1,492.13	4,060.16	4,231.21	1.88	0.09	1.88	
11,527.00	90.15	89.84	7,837.20	-1,493.72	4,155.14	4,325.44	2.57	-1.04	-2.35	
11,621.00	92.26	89.78	7,835.22	-1,493.40	4,249.11	4,418.41	2.25	2.24	-0.06	
11,716.00	92.75	89.28	7,831.07	-1,492.62	4,344.02	4,512.24	0.74	0.52	-0.53	
11,811.00	91.05	91.24	7,827.92	-1,493.06	4,438.96	4,606.27	2.73	-1.79	2.06	
11,905.00	91.95	90.03	7,825.46	-1,494.10	4,532.91	4,699.42	1.60	0.96	-1.29	
12,000.00	90.96	93.57	7,823.04	-1,497.08	4,627.82	4,793.79	3.87	-1.04	3.73	
12,095.00	90.38	92.14	7,821.93	-1,501.81	4,722.69	4,888.37	1.62	-0.61	-1.51	
12,189.00	91.58	90.43	7,820.33	-1,503.92	4,816.65	4,981.67	2.22	1.28	-1.82	
12,284.00	92.33	90.84	7,817.09	-1,504.97	4,911.59	5,075.79	0.90	0.79	0.43	
12,379.00	93.03	90.40	7,812.64	-1,506.00	5,006.48	5,169.86	0.87	0.74	-0.46	
12,474.00	91.18	92.32	7,809.15	-1,508.25	5,101.38	5,264.12	2.81	-1.95	2.02	
12,568.00	90.78	92.65	7,807.55	-1,512.33	5,195.28	5,357.64	0.55	-0.43	0.35	
12,663.00	90.48	92.13	7,806.50	-1,516.29	5,290.19	5,452.15	0.63	-0.32	-0.55	

Survey Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Well:	PROSPER FARMS 4-65 14-13 3AH	North Reference:	True
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	FINAL SURVEY	Database:	EDT_32Bit_ODBC

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)
12,758.00	90.96	91.43	7,805.31	-1,519.24	5,385.13	5,546.54	0.89	0.51	-0.74
12,852.00	90.61	91.17	7,804.02	-1,521.37	5,479.10	5,639.86	0.46	-0.37	-0.28
12,947.00	91.05	91.99	7,802.64	-1,523.99	5,574.05	5,734.22	0.98	0.46	0.86
13,042.00	90.84	91.66	7,801.08	-1,527.02	5,668.99	5,828.62	0.41	-0.22	-0.35
13,136.00	92.27	93.20	7,798.53	-1,531.00	5,762.87	5,922.11	2.24	1.52	1.64
13,231.00	93.31	91.81	7,793.90	-1,535.15	5,857.66	6,016.52	1.83	1.09	-1.46
13,326.00	91.22	91.43	7,790.15	-1,537.83	5,952.54	6,110.82	2.24	-2.20	-0.40
13,421.00	90.98	90.35	7,788.32	-1,539.31	6,047.51	6,205.04	1.16	-0.25	-1.14
13,515.00	91.88	90.30	7,785.98	-1,539.84	6,141.48	6,298.12	0.96	0.96	-0.05
13,610.00	90.14	89.47	7,784.30	-1,539.65	6,236.46	6,392.11	2.03	-1.83	-0.87
13,799.00	89.45	88.09	7,784.98	-1,535.62	6,425.41	6,578.56	0.82	-0.37	-0.73
13,894.00	90.32	87.69	7,785.17	-1,532.13	6,520.35	6,672.03	1.01	0.92	-0.42
13,989.00	90.38	90.90	7,784.59	-1,530.96	6,615.32	6,765.88	3.38	0.06	3.38
14,083.00	90.92	89.76	7,783.52	-1,531.50	6,709.32	6,858.99	1.34	0.57	-1.21
14,179.00	91.56	89.39	7,781.45	-1,530.79	6,805.29	6,953.89	0.77	0.67	-0.39
14,368.00	92.71	88.39	7,774.40	-1,527.13	6,994.12	7,140.27	0.81	0.61	-0.53
14,463.00	90.92	89.77	7,771.40	-1,525.61	7,089.05	7,234.02	2.38	-1.88	1.45
14,652.00	89.92	93.63	7,770.01	-1,531.21	7,277.92	7,421.77	2.11	-0.53	2.04
14,747.00	89.11	93.56	7,770.81	-1,537.17	7,372.73	7,516.46	0.86	-0.85	-0.07
14,841.00	88.36	92.67	7,772.89	-1,542.28	7,466.57	7,610.07	1.24	-0.80	-0.95
14,936.00	87.90	93.25	7,775.99	-1,547.18	7,561.39	7,704.62	0.78	-0.48	0.61
15,031.00	89.35	91.05	7,778.27	-1,550.74	7,656.29	7,799.06	2.77	1.53	-2.32
15,125.00	88.51	90.67	7,780.02	-1,552.15	7,750.26	7,892.28	0.98	-0.89	-0.40
15,220.00	88.32	92.45	7,782.65	-1,554.74	7,845.19	7,986.60	1.88	-0.20	1.87
15,314.00	89.86	90.90	7,784.14	-1,557.48	7,939.13	8,079.98	2.32	1.64	-1.65
15,409.00	89.90	90.45	7,784.34	-1,558.60	8,034.12	8,174.17	0.48	0.04	-0.47
15,504.00	93.51	91.23	7,781.52	-1,559.99	8,129.05	8,268.33	3.89	3.80	0.82
15,693.00	92.68	91.71	7,771.31	-1,564.84	8,317.71	8,455.76	0.51	-0.44	0.25
15,788.00	93.30	91.42	7,766.36	-1,567.43	8,412.55	8,549.99	0.72	0.65	-0.31
15,882.00	92.09	91.30	7,761.94	-1,569.65	8,506.42	8,643.22	1.29	-1.29	-0.13
15,977.00	89.98	90.45	7,760.22	-1,571.10	8,601.38	8,737.43	2.39	-2.22	-0.89
16,072.00	90.49	90.32	7,759.83	-1,571.74	8,696.38	8,831.55	0.55	0.54	-0.14
16,166.00	90.42	90.74	7,759.09	-1,572.61	8,790.37	8,924.71	0.45	-0.07	0.45
16,261.00	90.32	89.19	7,758.47	-1,572.55	8,885.37	9,018.73	1.63	-0.11	-1.63
16,356.00	90.83	91.04	7,757.52	-1,572.75	8,980.36	9,112.78	2.02	0.54	1.95
16,450.00	91.42	89.81	7,755.67	-1,573.44	9,074.33	9,205.90	1.45	0.63	-1.31
16,545.00	91.46	90.01	7,753.29	-1,573.29	9,169.30	9,299.88	0.21	0.04	0.21
16,640.00	90.37	89.80	7,751.77	-1,573.14	9,264.29	9,393.88	1.17	-1.15	-0.22
16,734.00	91.07	91.27	7,750.59	-1,574.01	9,358.28	9,487.03	1.73	0.74	1.56
16,829.00	89.92	91.99	7,749.77	-1,576.72	9,453.23	9,581.41	1.43	-1.21	0.76
16,923.00	89.88	91.09	7,749.93	-1,579.24	9,547.20	9,674.77	0.96	-0.04	-0.96
17,018.00	90.15	90.32	7,749.91	-1,580.41	9,642.19	9,768.96	0.86	0.28	-0.81
17,112.00	91.13	90.51	7,748.86	-1,581.09	9,736.18	9,862.10	1.06	1.04	0.20

Survey Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well PROSPER FARMS 4-65 14-13 3AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5718.40usft
Site:	SEC 15-T4S-R65W	MD Reference:	KB 25' @ 5718.40usft
Well:	PROSPER FARMS 4-65 14-13 3AH	North Reference:	True
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	FINAL SURVEY	Database:	EDT_32Bit_ODBC

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)	
17,207.00	88.67	89.02	7,749.02	-1,580.70	9,831.17	9,956.06	3.03	-2.59	-1.57	
17,301.00	88.75	89.27	7,751.14	-1,579.30	9,925.13	10,048.87	0.28	0.09	0.27	
17,396.00	88.65	87.63	7,753.29	-1,576.73	10,020.07	10,142.48	1.73	-0.11	-1.73	
17,491.00	88.37	89.97	7,755.76	-1,574.74	10,115.01	10,236.17	2.48	-0.29	2.46	
17,585.00	90.07	89.11	7,757.04	-1,573.99	10,209.00	10,329.09	2.03	1.81	-0.91	
17,680.00	90.12	88.13	7,756.89	-1,571.70	10,303.97	10,422.77	1.03	0.05	-1.03	
17,775.00	90.73	87.37	7,756.18	-1,567.97	10,398.89	10,516.19	1.03	0.64	-0.80	
17,869.00	91.35	89.70	7,754.48	-1,565.57	10,492.84	10,608.84	2.56	0.66	2.48	
17,964.00	92.02	89.56	7,751.68	-1,564.95	10,587.79	10,702.74	0.72	0.71	-0.15	
18,058.00	93.28	88.94	7,747.34	-1,563.72	10,681.68	10,795.50	1.49	1.34	-0.66	
18,151.00	94.16	88.01	7,741.30	-1,561.26	10,774.45	10,886.97	1.38	0.95	-1.00	
LAST SURVEY - 18151' MD, 7741' TVD										
18,218.00	94.16	88.01	7,736.44	-1,558.93	10,841.24	10,952.75	0.00	0.00	0.00	
EXTRAPOLATION TO TD - 18218' MD, 2165' FSL, 331' FEL SEC 13										

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
PBHL-PF 4-65 3AH	0.00	0.00	7,730.00	-1,583.72	10,842.55	1,681,874.04	3,251,966.59	39.702136°N	104.604499°W
- actual wellpath misses target center by 25.64usft at 18218.00usft MD (7736.44 TVD, -1558.93 N, 10841.23 E)									
- Point									
LP-PF 4-65 3AH	0.00	0.00	7,840.00	-1,470.53	931.63	1,681,893.74	3,242,055.12	39.702453°N	104.639722°W
- actual wellpath misses target center by 15.28usft at 8302.55usft MD (7840.24 TVD, -1455.27 N, 932.38 E)									
- Point									

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
7,433.00	7,287.01	-1,361.32	366.06	KOP - 7433' MD, 7287' TVD	
8,283.00	7,838.59	-1,454.43	912.92	HZ LANDING PNT - 8283' MD, 7839' TVD	
8,301.80	7,840.18	-1,455.23	931.63	~330' X-OVER PNT - 8301.80' MD, 2155' FSL, 330' FWL SEC 14	
18,151.00	7,741.30	-1,561.26	10,774.45	LAST SURVEY - 18151' MD, 7741' TVD	
18,218.00	7,736.44	-1,558.93	10,841.24	EXTRAPOLATION TO TD - 18218' MD, 2165' FSL, 331' FEL SEC 13	

Checked By: _____	Approved By: _____	Date: _____
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