

# **CRESTONE PEAK RESOURCES**

**ARAPAHOE COUNTY**

**SEC 2-T4S-R65W**

**PROSPER FARMS 4-65 2-1-6 1BH**

**OWB**

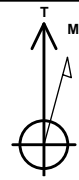
**Design: FINAL SURVEY**

## **Standard Survey Report**

**22 March, 2023**

Project: ARAPAHOE COUNTY  
 Site: SEC 2-T4S-R65W  
 Well: PROSPER FARMS 4-65 2-1-6 1BH  
 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



Azimuths to True North  
 Magnetic North: 7.62°

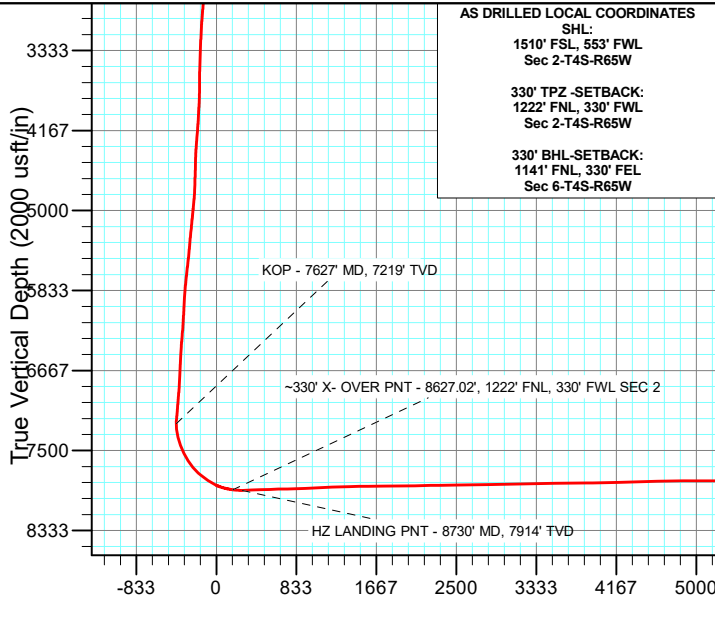
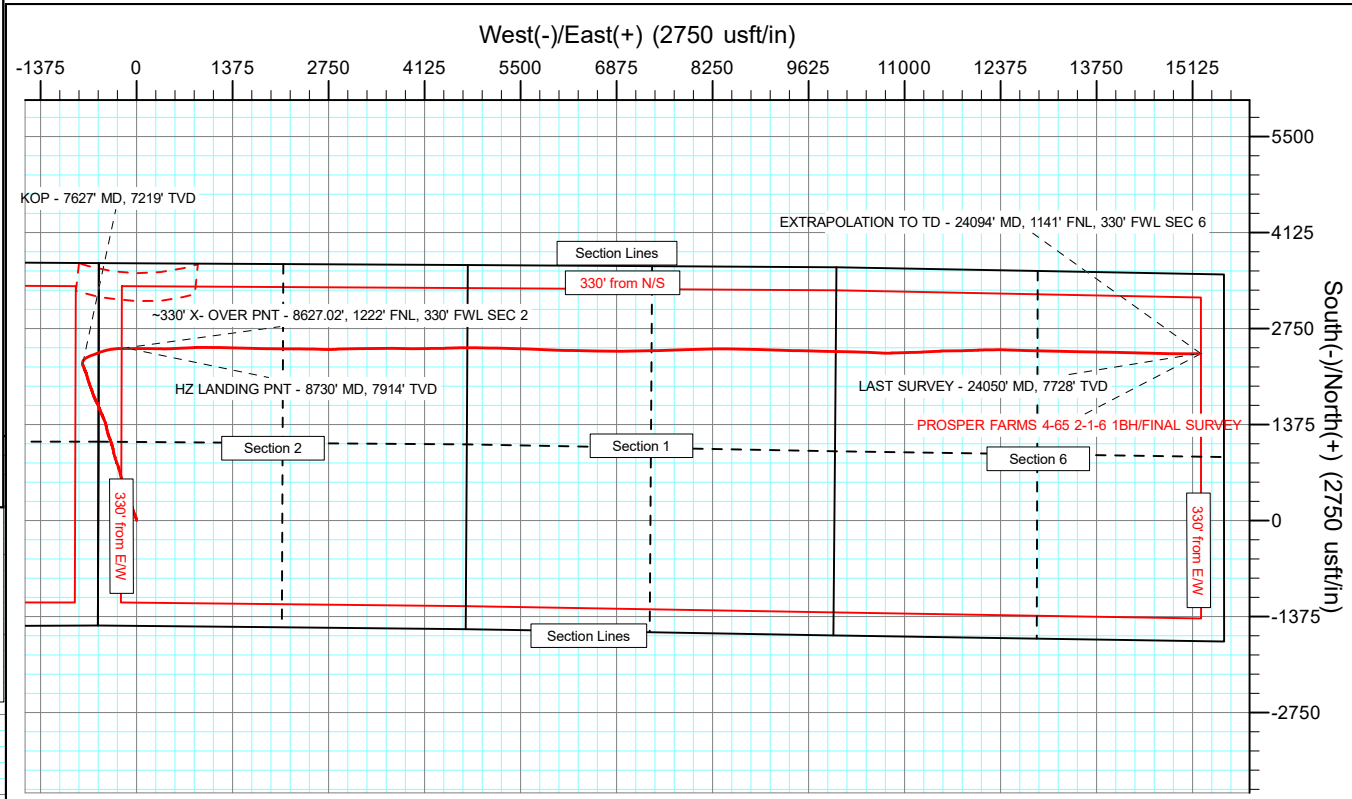
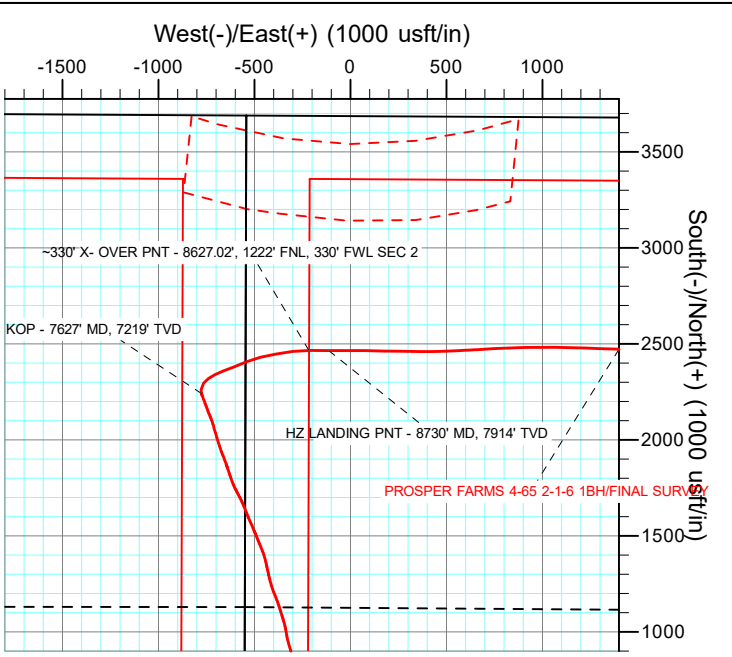
Magnetic Field  
 Strength: 51504.5nT  
 Dip Angle: 66.10°  
 Date: 6/8/2022  
 Model: IGRF2020

WELL DETAILS: PROSPER FARMS 4-65 2-1-6 1BH

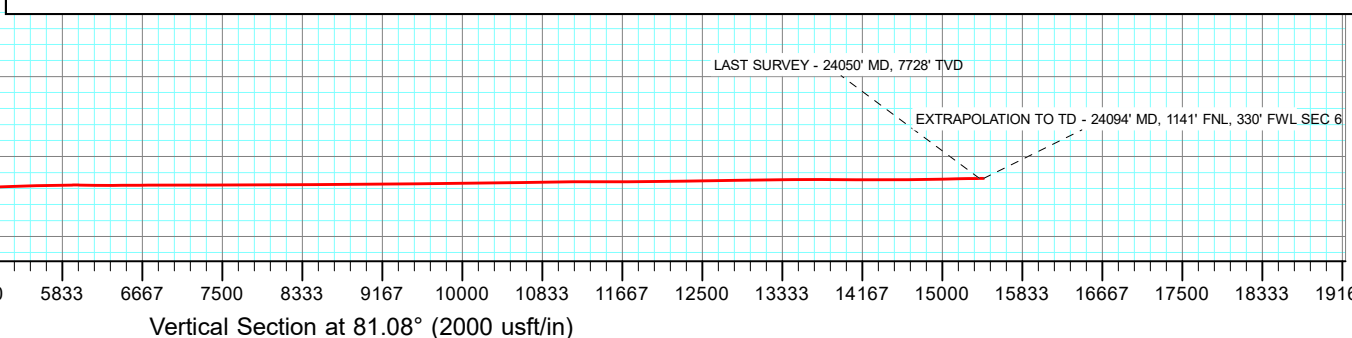
		5631.21			Slot
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	1691841.06	3242233.47	39.729755°N	104.638753°W

ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Departure	Annotation
7627.00	21.23	347.90	7219.02	2241.55	-774.79	-417.93	2376.46	KOP - 7627' MD, 7219' TVD
8627.02	62.16	89.62	7908.05	2466.43	-215.43	169.53	3019.58	~330' X-OVER PNT - 8627.02', 1222' FNL, 330' FWL SEC 2
8730.00	91.06	90.63	7914.23	2465.74	-112.74	270.87	3122.19	HZ LANDING PNT - 8730' MD, 7914' TVD
24050.00	91.06	88.35	7727.98	2390.71	15199.30	15386.16	18439.87	LAST SURVEY - 24050' MD, 7728' TVD
24094.00	91.06	88.35	7727.17	2391.98	15243.27	15429.80	18483.87	EXTRAPOLATION TO TD - 24094' MD, 1141' FNL, 330' FWL SEC 6



AS DRILLED LOCAL COORDINATES  
 SHL:  
 1510' FSL, 553' FWL  
 Sec 2-T4S-R65W  
 330' TPZ-SETBACK:  
 1222' FNL, 330' FWL  
 Sec 2-T4S-R65W  
 330' BHL-SETBACK:  
 1141' FNL, 330' FEL  
 Sec 6-T4S-R65W



## Survey Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROSPER FARMS 4-65 2-1-6 1BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.21usft
<b>Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.21usft
<b>Well:</b>	PROSPER FARMS 4-65 2-1-6 1BH	<b>North Reference:</b>	True
<b>Wellbore:</b>	OWB	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	FINAL SURVEY	<b>Database:</b>	EDT_32Bit_ODBC

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

<b>Site</b> SEC 2-T4S-R65W			
<b>Site Position:</b>		<b>Northing:</b>	1,695,525.07 usft
<b>From:</b>	Lat/Long	<b>Easting:</b>	3,241,656.33 usft
<b>Position Uncertainty:</b>	0.00 usft	<b>Slot Radius:</b>	13.200 in
		<b>Latitude:</b>	39.739883°N
		<b>Longitude:</b>	104.640681°W
		<b>Grid Convergence:</b>	0.54 °

<b>Well</b> PROSPER FARMS 4-65 2-1-6 1BH			
<b>Well Position</b>	+N/-S	0.00 usft	<b>Northing:</b> 1,691,841.05 usft
	+E/-W	0.00 usft	<b>Easting:</b> 3,242,233.48 usft
<b>Position Uncertainty</b>	0.00 usft	<b>Wellhead Elevation:</b>	usft
		<b>Latitude:</b>	39.729755°N
		<b>Longitude:</b>	104.638753°W
		<b>Ground Level:</b>	5,631.21 usft

<b>Wellbore</b> OWB					
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	6/8/2022	7.62	66.10	51,504.48991880

<b>Design</b> FINAL SURVEY					
<b>Audit Notes:</b>					
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL	<b>Tie On Depth:</b>	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00		81.08

<b>Survey Program</b>		Date	3/22/2023		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
183.00	3,572.00	SURFACE SURVEY (OWB)	MWD OWSG	OWSG MWD - Standard	
3,711.00	24,094.00	FINAL SURVEY (OWB)	MWD OWSG	OWSG MWD - Standard	

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
183.00	1.50	347.80	182.98	2.34	-0.51	-0.14	0.82	0.82	0.00
275.00	3.80	340.90	274.87	6.40	-1.76	-0.75	2.52	2.50	-7.50
350.00	5.30	342.80	349.64	12.06	-3.60	-1.68	2.01	2.00	2.53
439.00	7.80	345.40	438.05	21.83	-6.33	-2.87	2.83	2.81	2.92
527.00	10.10	344.50	524.97	35.05	-9.90	-4.35	2.62	2.61	-1.02
613.00	10.90	341.50	609.53	50.02	-14.50	-6.57	1.13	0.93	-3.49
700.00	12.70	337.40	694.69	66.65	-20.78	-10.20	2.28	2.07	-4.71
787.00	13.50	336.80	779.43	84.82	-28.46	-14.97	0.93	0.92	-0.69
875.00	14.20	340.10	864.87	104.41	-36.18	-19.56	1.20	0.80	3.75

## Survey Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROSPER FARMS 4-65 2-1-6 1BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.21usft
<b>Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.21usft
<b>Well:</b>	PROSPER FARMS 4-65 2-1-6 1BH	<b>North Reference:</b>	True
<b>Wellbore:</b>	OWB	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	FINAL SURVEY	<b>Database:</b>	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)
963.00	12.40	340.10	950.50	123.44	-43.07	-23.41	2.05	-2.05	0.00
1,052.00	14.50	339.70	1,037.06	142.88	-50.19	-27.43	2.36	2.36	-0.45
1,139.00	16.00	341.40	1,120.99	164.46	-57.79	-31.60	1.80	1.72	1.95
1,228.00	18.10	342.10	1,206.08	189.24	-65.95	-35.82	2.37	2.36	0.79
1,319.00	16.70	335.70	1,292.92	214.62	-75.68	-41.50	2.60	-1.54	-7.03
1,406.00	17.20	336.60	1,376.14	237.81	-85.93	-48.03	0.65	0.57	1.03
1,493.00	17.80	340.10	1,459.11	262.12	-95.57	-53.78	1.39	0.69	4.02
1,580.00	17.70	340.00	1,541.97	287.06	-104.62	-58.85	0.12	-0.11	-0.11
1,667.00	18.90	337.90	1,624.57	312.54	-114.44	-64.61	1.57	1.38	-2.41
1,754.00	19.60	341.60	1,706.71	339.44	-124.35	-70.23	1.62	0.80	4.25
1,841.00	20.40	340.40	1,788.46	367.57	-134.04	-75.44	1.03	0.92	-1.38
1,928.00	21.60	341.00	1,869.68	397.00	-144.34	-81.06	1.40	1.38	0.69
2,015.00	21.40	340.70	1,950.63	427.12	-154.80	-86.72	0.26	-0.23	-0.34
2,102.00	19.60	339.20	2,032.12	455.75	-165.23	-92.58	2.16	-2.07	-1.72
2,190.00	17.90	336.30	2,115.45	481.93	-175.91	-99.07	2.20	-1.93	-3.30
2,277.00	19.20	339.80	2,197.93	507.60	-186.23	-105.28	1.97	1.49	4.02
2,364.00	19.40	341.00	2,280.04	534.69	-195.87	-110.61	0.51	0.23	1.38
2,451.00	20.50	341.00	2,361.82	562.75	-205.53	-115.81	1.26	1.26	0.00
2,538.00	20.60	343.20	2,443.28	591.81	-214.92	-120.57	0.90	0.11	2.53
2,626.00	21.10	345.10	2,525.52	621.94	-223.46	-124.35	0.96	0.57	2.16
2,713.00	22.20	346.00	2,606.38	653.02	-231.47	-127.44	1.32	1.26	1.03
2,799.00	23.10	345.40	2,685.75	685.11	-239.65	-130.55	1.08	1.05	-0.70
2,886.00	23.40	346.70	2,765.68	718.44	-247.93	-133.56	0.68	0.34	1.49
2,973.00	22.60	341.80	2,845.77	751.14	-257.12	-137.57	2.38	-0.92	-5.63
3,060.00	21.70	338.40	2,926.36	781.97	-268.27	-143.80	1.80	-1.03	-3.91
3,148.00	19.10	338.50	3,008.83	810.50	-279.53	-150.51	2.95	-2.95	0.11
3,235.00	17.60	341.50	3,091.40	836.22	-288.93	-155.80	2.04	-1.72	3.45
3,322.00	17.10	342.30	3,174.45	860.88	-296.99	-159.94	0.64	-0.57	0.92
3,412.00	16.10	342.20	3,260.69	885.37	-304.83	-163.89	1.11	-1.11	-0.11
3,500.00	15.10	342.90	3,345.45	907.94	-311.93	-167.40	1.16	-1.14	0.80
3,572.00	15.20	343.90	3,414.95	925.97	-317.30	-169.92	0.39	0.14	1.39
3,711.00	15.37	345.88	3,549.03	961.34	-326.85	-173.87	0.39	0.12	1.42
3,806.00	15.95	350.80	3,640.51	986.44	-332.01	-175.07	1.52	0.61	5.18
3,900.00	16.52	349.73	3,730.76	1,012.34	-336.46	-175.45	0.68	0.61	-1.14
3,995.00	18.35	345.48	3,821.40	1,040.11	-342.61	-177.23	2.35	1.93	-4.47
4,090.00	20.00	342.16	3,911.13	1,070.05	-351.34	-181.21	2.08	1.74	-3.49
4,185.00	22.23	343.36	3,999.74	1,102.74	-361.46	-186.14	2.39	2.35	1.26
4,279.00	20.04	341.36	4,087.42	1,135.04	-371.71	-191.25	2.45	-2.33	-2.13
4,374.00	21.77	339.40	4,176.16	1,166.96	-383.11	-197.57	1.96	1.82	-2.06
4,469.00	20.69	337.68	4,264.71	1,198.98	-395.68	-205.03	1.31	-1.14	-1.81
4,563.00	21.02	342.25	4,352.56	1,230.40	-407.13	-211.46	1.77	0.35	4.86
4,658.00	19.56	344.55	4,441.66	1,261.95	-416.56	-215.89	1.75	-1.54	2.42
4,752.00	20.75	347.59	4,529.91	1,293.38	-424.33	-218.69	1.69	1.27	3.23

## Survey Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROSPER FARMS 4-65 2-1-6 1BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.21usft
<b>Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.21usft
<b>Well:</b>	PROSPER FARMS 4-65 2-1-6 1BH	<b>North Reference:</b>	True
<b>Wellbore:</b>	OWB	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	FINAL SURVEY	<b>Database:</b>	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)	
4,847.00	23.23	347.30	4,617.99	1,328.10	-432.07	-220.96	2.61	2.61	-0.31	
4,942.00	20.62	347.55	4,706.11	1,362.72	-439.79	-223.22	2.75	-2.75	0.26	
5,037.00	20.48	343.11	4,795.07	1,394.96	-448.23	-226.56	1.65	-0.15	-4.67	
5,131.00	21.09	337.80	4,882.96	1,426.36	-459.40	-232.72	2.11	0.65	-5.65	
5,226.00	21.88	336.99	4,971.36	1,458.47	-472.77	-240.96	0.89	0.83	-0.85	
5,321.00	24.58	338.51	5,058.65	1,493.16	-486.93	-249.57	2.91	2.84	1.60	
5,416.00	21.43	336.44	5,146.09	1,527.46	-501.11	-258.26	3.42	-3.32	-2.18	
5,510.00	21.92	336.42	5,233.44	1,559.28	-515.00	-267.05	0.52	0.52	-0.02	
5,605.00	20.60	337.74	5,321.97	1,591.00	-528.42	-275.39	1.48	-1.39	1.39	
5,700.00	22.50	338.81	5,410.33	1,623.42	-541.32	-283.11	2.04	2.00	1.13	
5,794.00	23.50	336.53	5,496.86	1,657.38	-555.29	-291.64	1.42	1.06	-2.43	
5,889.00	21.23	333.71	5,584.71	1,690.18	-570.45	-301.54	2.64	-2.39	-2.97	
5,983.00	19.31	332.62	5,672.88	1,719.25	-585.14	-311.54	2.08	-2.04	-1.16	
6,078.00	16.83	332.27	5,763.19	1,745.37	-598.77	-320.95	2.61	-2.61	-0.37	
6,173.00	17.65	338.19	5,853.93	1,770.92	-610.52	-328.60	2.04	0.86	6.23	
6,268.00	17.81	340.49	5,944.42	1,797.98	-620.72	-334.49	0.76	0.17	2.42	
6,362.00	16.69	341.86	6,034.19	1,824.36	-629.72	-339.29	1.27	-1.19	1.46	
6,457.00	17.48	341.33	6,124.99	1,850.84	-638.54	-343.90	0.85	0.83	-0.56	
6,552.00	21.33	340.80	6,214.58	1,880.69	-648.79	-349.40	4.06	4.05	-0.56	
6,646.00	20.94	337.45	6,302.26	1,912.35	-660.86	-356.41	1.35	-0.41	-3.56	
6,741.00	22.07	340.71	6,390.65	1,944.87	-673.26	-363.62	1.73	1.19	3.43	
6,836.00	20.85	341.78	6,479.06	1,977.78	-684.45	-369.57	1.35	-1.28	1.13	
6,931.00	21.25	344.07	6,567.72	2,010.39	-694.46	-374.40	0.96	0.42	2.41	
7,025.00	19.42	343.01	6,655.86	2,041.72	-703.70	-378.68	1.99	-1.95	-1.13	
7,120.00	19.50	344.98	6,745.44	2,072.14	-712.42	-382.58	0.70	0.08	2.07	
7,215.00	19.15	340.19	6,835.09	2,102.12	-721.81	-387.21	1.71	-0.37	-5.04	
7,310.00	20.14	336.05	6,924.56	2,131.72	-733.73	-394.40	1.80	1.04	-4.36	
7,405.00	20.97	340.71	7,013.52	2,162.72	-745.99	-401.70	1.93	0.87	4.91	
7,499.00	23.10	338.99	7,100.65	2,195.81	-758.16	-408.59	2.37	2.27	-1.83	
7,593.00	22.15	338.79	7,187.41	2,229.55	-771.18	-416.23	1.01	-1.01	-0.21	
7,627.00	21.23	347.90	7,219.02	2,241.55	-774.79	-417.93	10.26	-2.70	26.80	
<b>KOP - 7627' MD, 7219' TVD</b>										
7,688.00	20.92	5.34	7,275.99	2,263.21	-776.10	-415.86	10.26	-0.51	28.58	
7,783.00	22.33	34.28	7,364.55	2,295.10	-764.32	-399.28	11.22	1.48	30.46	
7,878.00	23.22	54.43	7,452.28	2,320.95	-738.88	-370.15	8.23	0.94	21.21	
7,972.00	26.72	64.71	7,537.52	2,340.77	-704.67	-333.28	5.92	3.72	10.94	
8,067.00	33.43	69.61	7,619.70	2,359.04	-660.78	-287.08	7.52	7.06	5.16	
8,162.00	44.17	68.48	7,693.63	2,380.36	-605.30	-228.97	11.33	11.31	-1.19	
8,257.00	50.63	66.73	7,757.90	2,407.03	-540.70	-161.02	6.93	6.80	-1.84	
8,351.00	56.33	76.82	7,813.91	2,430.37	-469.06	-86.62	10.53	6.06	10.73	
8,446.00	65.35	78.72	7,860.15	2,447.86	-388.06	-3.89	9.65	9.49	2.00	
8,541.00	75.88	83.60	7,891.66	2,461.49	-299.65	85.56	12.09	11.08	5.14	
8,627.02	82.16	89.62	7,908.05	2,466.43	-215.43	169.53	10.02	7.30	6.99	
<b>-330' X- OVER PNT - 8627.02', 1222' FNL, 330' FWL SEC 2</b>										

## Survey Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROSPER FARMS 4-65 2-1-6 1BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.21usft
<b>Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.21usft
<b>Well:</b>	PROSPER FARMS 4-65 2-1-6 1BH	<b>North Reference:</b>	True
<b>Wellbore:</b>	OWB	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	FINAL SURVEY	<b>Database:</b>	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)
8,636.00	82.82	90.23	7,909.22	2,466.44	-206.53	178.33	10.02	7.37	6.85
8,730.00	91.06	90.63	7,914.24	2,465.74	-112.74	270.87	8.78	8.77	0.43
<b>HZ LANDING PNT - 8730' MD, 7914' TVD</b>									
8,825.00	92.64	89.84	7,911.17	2,465.35	-17.80	364.60	1.86	1.66	-0.83
8,920.00	91.78	90.50	7,907.50	2,465.07	77.13	458.34	1.14	-0.91	0.69
9,014.00	91.75	91.29	7,904.61	2,463.60	171.07	550.92	0.84	-0.03	0.84
9,109.00	91.46	90.61	7,901.95	2,462.02	266.02	644.48	0.78	-0.31	-0.72
9,204.00	91.20	90.92	7,899.74	2,460.76	360.99	738.10	0.43	-0.27	0.33
9,298.00	91.62	88.43	7,897.43	2,461.29	454.95	831.01	2.69	0.45	-2.65
9,393.00	92.26	87.33	7,894.21	2,464.80	549.83	925.28	1.34	0.67	-1.16
9,674.00	93.26	86.75	7,880.68	2,479.29	830.12	1,204.44	0.41	0.36	-0.21
9,769.00	90.99	89.91	7,877.16	2,482.06	925.00	1,298.59	4.09	-2.39	3.33
9,864.00	91.48	89.69	7,875.11	2,482.39	1,019.98	1,392.47	0.57	0.52	-0.23
9,959.00	90.21	91.13	7,873.71	2,481.71	1,114.96	1,486.20	2.02	-1.34	1.52
10,053.00	90.94	92.11	7,872.77	2,479.05	1,208.91	1,578.61	1.30	0.78	1.04
10,148.00	90.88	91.98	7,871.26	2,475.66	1,303.84	1,671.87	0.15	-0.06	-0.14
10,243.00	90.60	91.02	7,870.03	2,473.18	1,398.80	1,765.29	1.05	-0.29	-1.01
10,337.00	90.69	91.39	7,868.97	2,471.20	1,492.77	1,857.82	0.41	0.10	0.39
10,527.00	90.93	91.55	7,866.29	2,466.33	1,682.69	2,044.69	0.15	0.13	0.08
10,621.00	91.04	91.44	7,864.67	2,463.87	1,776.65	2,137.13	0.17	0.12	-0.12
10,716.00	90.15	90.13	7,863.69	2,462.57	1,871.63	2,230.76	1.67	-0.94	-1.38
10,810.00	90.67	91.58	7,863.01	2,461.17	1,965.61	2,323.39	1.64	0.55	1.54
10,905.00	91.24	90.41	7,861.43	2,459.52	2,060.58	2,416.96	1.37	0.60	-1.23
11,000.00	90.97	89.32	7,859.60	2,459.75	2,155.56	2,510.82	1.18	-0.28	-1.15
11,094.00	91.27	91.12	7,857.76	2,459.38	2,249.54	2,603.61	1.94	0.32	1.91
11,189.00	90.72	90.05	7,856.11	2,458.41	2,344.52	2,697.29	1.27	-0.58	-1.13
11,284.00	90.92	90.68	7,854.75	2,457.81	2,439.51	2,791.03	0.70	0.21	0.66
11,378.00	91.31	91.56	7,852.92	2,455.97	2,533.47	2,883.58	1.02	0.41	0.94
11,473.00	91.33	91.47	7,850.73	2,453.46	2,628.41	2,976.98	0.10	0.02	-0.09
11,568.00	91.16	91.29	7,848.67	2,451.17	2,723.36	3,070.43	0.26	-0.18	-0.19
11,662.00	90.55	86.65	7,847.27	2,452.86	2,817.31	3,163.50	4.98	-0.65	-4.94
11,757.00	90.87	88.81	7,846.09	2,456.63	2,912.22	3,257.85	2.30	0.34	2.27
11,851.00	91.05	88.52	7,844.51	2,458.82	3,006.18	3,351.02	0.36	0.19	-0.31
12,041.00	91.20	88.67	7,840.78	2,463.47	3,196.09	3,539.35	0.11	0.08	0.08
12,135.00	90.73	89.40	7,839.20	2,465.06	3,290.06	3,632.43	0.92	-0.50	0.78
12,229.00	91.37	88.94	7,837.48	2,466.42	3,384.04	3,725.48	0.84	0.68	-0.49
12,324.00	89.38	89.51	7,836.86	2,467.70	3,479.02	3,819.51	2.18	-2.09	0.60
12,476.00	89.93	90.88	7,837.77	2,467.19	3,631.01	3,969.59	0.97	0.36	0.90
12,571.00	92.30	91.20	7,835.92	2,465.46	3,725.97	4,063.13	2.52	2.49	0.34
12,665.00	91.96	91.04	7,832.43	2,463.63	3,819.89	4,155.63	0.40	-0.36	-0.17
12,760.00	91.61	90.80	7,829.47	2,462.10	3,914.83	4,249.19	0.45	-0.37	-0.25
12,854.00	91.66	88.93	7,826.79	2,462.32	4,008.79	4,342.04	1.99	0.05	-1.99
12,949.00	91.89	89.28	7,823.84	2,463.81	4,103.73	4,436.07	0.44	0.24	0.37

## Survey Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROSPER FARMS 4-65 2-1-6 1BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.21usft
<b>Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.21usft
<b>Well:</b>	PROSPER FARMS 4-65 2-1-6 1BH	<b>North Reference:</b>	True
<b>Wellbore:</b>	OWB	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	FINAL SURVEY	<b>Database:</b>	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)	
13,044.00	92.03	87.72	7,820.60	2,466.29	4,198.64	4,530.21	1.65	0.15	-1.64	
13,138.00	90.42	89.71	7,818.59	2,468.40	4,292.59	4,623.35	2.72	-1.71	2.12	
13,233.00	90.41	89.85	7,817.90	2,468.76	4,387.58	4,717.26	0.15	-0.01	0.15	
13,328.00	90.65	88.35	7,817.02	2,470.25	4,482.57	4,811.32	1.60	0.25	-1.58	
13,423.00	91.32	87.65	7,815.39	2,473.57	4,577.49	4,905.61	1.02	0.71	-0.74	
13,518.00	89.84	89.67	7,814.42	2,475.79	4,672.45	4,999.77	2.64	-1.56	2.13	
13,613.00	89.94	89.12	7,814.61	2,476.79	4,767.45	5,093.77	0.59	0.11	-0.58	
13,707.00	90.74	92.49	7,814.05	2,475.47	4,861.42	5,186.41	3.68	0.85	3.59	
13,802.00	91.29	91.80	7,812.37	2,471.92	4,956.34	5,279.63	0.93	0.58	-0.73	
13,896.00	91.70	90.68	7,809.91	2,469.88	5,050.28	5,372.12	1.27	0.44	-1.19	
13,991.00	92.75	89.99	7,806.22	2,469.33	5,145.21	5,465.81	1.32	1.11	-0.73	
14,086.00	90.26	90.93	7,803.73	2,468.57	5,240.17	5,559.50	2.80	-2.62	0.99	
14,180.00	90.95	92.16	7,802.74	2,466.03	5,334.12	5,651.93	1.50	0.73	1.31	
14,275.00	90.94	91.29	7,801.17	2,463.17	5,429.07	5,745.28	0.92	-0.01	-0.92	
14,369.00	92.12	90.67	7,798.66	2,461.57	5,523.02	5,837.85	1.42	1.26	-0.66	
14,464.00	90.96	92.11	7,796.11	2,459.26	5,617.95	5,931.28	1.95	-1.22	1.52	
14,558.00	88.75	93.71	7,796.35	2,454.49	5,711.82	6,023.27	2.90	-2.35	1.70	
14,653.00	88.94	92.77	7,798.26	2,449.12	5,806.65	6,116.12	1.01	0.20	-0.99	
14,748.00	88.35	92.73	7,800.51	2,444.57	5,901.51	6,209.13	0.62	-0.62	-0.04	
14,842.00	90.38	91.61	7,801.55	2,441.01	5,995.43	6,301.37	2.47	2.16	-1.19	
14,900.00	90.69	91.81	7,801.01	2,439.28	6,053.40	6,358.37	0.64	0.53	0.34	
14,995.00	90.78	90.12	7,799.79	2,437.68	6,148.38	6,451.95	1.78	0.09	-1.78	
15,090.00	90.47	91.66	7,798.75	2,436.20	6,243.36	6,545.55	1.65	-0.33	1.62	
15,185.00	90.09	91.28	7,798.29	2,433.76	6,338.33	6,638.99	0.57	-0.40	-0.40	
15,279.00	90.49	90.85	7,797.81	2,432.02	6,432.31	6,731.57	0.62	0.43	-0.46	
15,373.00	90.60	90.80	7,796.92	2,430.66	6,526.29	6,824.21	0.13	0.12	-0.05	
15,468.00	90.62	91.22	7,795.91	2,428.99	6,621.27	6,917.78	0.44	0.02	0.44	
15,563.00	90.63	90.87	7,794.87	2,427.26	6,716.25	7,011.34	0.37	0.01	-0.37	
15,657.00	90.41	90.17	7,794.02	2,426.40	6,810.24	7,104.06	0.78	-0.23	-0.74	
15,752.00	89.56	90.16	7,794.04	2,426.13	6,905.24	7,197.87	0.89	-0.89	-0.01	
15,846.00	89.92	88.87	7,794.47	2,426.93	6,999.24	7,290.85	1.42	0.38	-1.37	
15,941.00	89.81	88.91	7,794.69	2,428.77	7,094.22	7,384.97	0.12	-0.12	0.04	
16,036.00	89.88	89.42	7,794.95	2,430.15	7,189.21	7,479.03	0.54	0.07	0.54	
16,131.00	90.01	89.23	7,795.04	2,431.27	7,284.20	7,573.04	0.24	0.14	-0.20	
16,225.00	89.88	88.78	7,795.13	2,432.90	7,378.19	7,666.15	0.50	-0.14	-0.48	
16,320.00	90.20	87.84	7,795.06	2,435.70	7,473.14	7,760.39	1.05	0.34	-0.99	
16,415.00	90.07	88.29	7,794.84	2,438.91	7,568.09	7,854.68	0.49	-0.14	0.47	
16,541.00	90.22	88.34	7,794.52	2,442.62	7,694.03	7,979.68	0.13	0.12	0.04	
16,635.00	90.43	87.79	7,793.99	2,445.79	7,787.98	8,072.98	0.63	0.22	-0.59	
16,730.00	90.24	88.58	7,793.43	2,448.80	7,882.93	8,167.25	0.86	-0.20	0.83	
16,824.00	90.01	88.45	7,793.23	2,451.23	7,976.90	8,260.46	0.28	-0.24	-0.14	
16,919.00	89.92	88.74	7,793.29	2,453.56	8,071.87	8,354.65	0.32	-0.09	0.31	
17,014.00	90.23	88.15	7,793.16	2,456.14	8,166.83	8,448.86	0.70	0.33	-0.62	

## Survey Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROSPER FARMS 4-65 2-1-6 1BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.21usft
<b>Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.21usft
<b>Well:</b>	PROSPER FARMS 4-65 2-1-6 1BH	<b>North Reference:</b>	True
<b>Wellbore:</b>	OWB	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	FINAL SURVEY	<b>Database:</b>	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)	
17,108.00	89.63	88.28	7,793.28	2,459.07	8,260.79	8,542.13	0.65	-0.64	0.14	
17,203.00	90.23	90.55	7,793.39	2,460.04	8,355.77	8,636.12	2.47	0.63	2.39	
17,297.00	90.52	90.36	7,792.78	2,459.29	8,449.77	8,728.87	0.37	0.31	-0.20	
17,392.00	90.30	91.72	7,792.10	2,457.57	8,544.75	8,822.43	1.45	-0.23	1.43	
17,486.00	90.78	90.63	7,791.21	2,455.64	8,638.72	8,914.97	1.27	0.51	-1.16	
17,580.00	90.82	91.73	7,789.90	2,453.71	8,732.69	9,007.50	1.17	0.04	1.17	
17,675.00	90.57	90.33	7,788.75	2,452.00	8,827.67	9,101.07	1.50	-0.26	-1.47	
17,769.00	90.74	90.47	7,787.67	2,451.34	8,921.66	9,193.82	0.23	0.18	0.15	
17,864.00	91.02	92.43	7,786.21	2,448.94	9,016.61	9,287.25	2.08	0.29	2.06	
17,959.00	90.94	91.78	7,784.59	2,445.45	9,111.53	9,380.49	0.69	-0.08	-0.68	
18,053.00	90.77	93.28	7,783.18	2,441.30	9,205.43	9,472.60	1.61	-0.18	1.60	
18,148.00	90.40	91.58	7,782.21	2,437.27	9,300.34	9,565.74	1.83	-0.39	-1.79	
18,243.00	90.65	91.05	7,781.34	2,435.09	9,395.31	9,659.22	0.62	0.26	-0.56	
18,337.00	90.60	90.30	7,780.32	2,433.99	9,489.29	9,751.90	0.80	-0.05	-0.80	
18,432.00	90.90	91.54	7,779.08	2,432.46	9,584.27	9,845.49	1.34	0.32	1.31	
18,527.00	91.23	92.81	7,777.31	2,428.86	9,679.18	9,938.70	1.38	0.35	1.34	
18,622.00	90.60	91.53	7,775.79	2,425.26	9,774.10	10,031.91	1.50	-0.66	-1.35	
18,717.00	90.33	90.21	7,775.02	2,423.82	9,869.09	10,125.52	1.42	-0.28	-1.39	
18,811.00	90.80	90.71	7,774.09	2,423.06	9,963.08	10,218.26	0.73	0.50	0.53	
18,906.00	90.21	91.63	7,773.26	2,421.12	10,058.05	10,311.79	1.15	-0.62	0.97	
19,000.00	90.66	90.09	7,772.54	2,419.71	10,152.04	10,404.42	1.71	0.48	-1.64	
19,095.00	90.08	90.51	7,771.93	2,419.21	10,247.03	10,498.19	0.75	-0.61	0.44	
19,190.00	90.91	93.01	7,771.11	2,416.30	10,341.98	10,591.53	2.77	0.87	2.63	
19,285.00	90.90	93.74	7,769.61	2,410.71	10,436.80	10,684.34	0.77	-0.01	0.77	
19,380.00	91.04	93.34	7,768.00	2,404.84	10,531.60	10,777.09	0.45	0.15	-0.42	
19,475.00	90.73	91.05	7,766.53	2,401.20	10,626.52	10,870.29	2.43	-0.33	-2.41	
19,570.00	90.59	91.21	7,765.44	2,399.33	10,721.49	10,963.83	0.22	-0.15	0.17	
19,666.00	90.47	87.49	7,764.55	2,400.42	10,817.46	11,058.81	3.88	-0.12	-3.87	
19,761.00	90.47	89.60	7,763.77	2,402.83	10,912.42	11,153.00	2.22	0.00	2.22	
19,856.00	90.28	86.93	7,763.15	2,405.71	11,007.37	11,247.24	2.82	-0.20	-2.81	
19,951.00	90.13	88.92	7,762.81	2,409.15	11,102.30	11,341.56	2.10	-0.16	2.09	
20,046.00	90.03	87.99	7,762.68	2,411.71	11,197.27	11,435.77	0.98	-0.11	-0.98	
20,141.00	90.15	86.70	7,762.53	2,416.11	11,292.16	11,530.20	1.36	0.13	-1.36	
20,235.00	90.19	86.81	7,762.25	2,421.43	11,386.01	11,623.74	0.12	0.04	0.12	
20,331.00	90.22	87.21	7,761.90	2,426.44	11,481.88	11,719.23	0.42	0.03	0.42	
20,425.00	90.15	89.19	7,761.60	2,429.39	11,575.83	11,812.50	2.11	-0.07	2.11	
20,520.00	90.54	89.46	7,761.03	2,430.51	11,670.82	11,906.51	0.50	0.41	0.28	
20,615.00	90.70	88.27	7,760.00	2,432.39	11,765.79	12,000.63	1.26	0.17	-1.25	
20,710.00	91.20	88.30	7,758.43	2,435.23	11,860.74	12,094.87	0.53	0.53	0.03	
20,804.00	90.38	88.59	7,757.13	2,437.78	11,954.69	12,188.08	0.93	-0.87	0.31	
20,899.00	90.41	86.99	7,756.48	2,441.45	12,049.62	12,282.43	1.68	0.03	-1.68	
20,995.00	90.48	89.44	7,755.73	2,444.44	12,145.56	12,377.68	2.55	0.07	2.55	
21,090.00	91.09	89.59	7,754.43	2,445.24	12,240.55	12,471.64	0.66	0.64	0.16	
21,184.00	91.92	88.25	7,751.96	2,447.01	12,334.50	12,564.73	1.68	0.88	-1.43	

## Survey Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROSPER FARMS 4-65 2-1-6 1BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.21usft
<b>Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.21usft
<b>Well:</b>	PROSPER FARMS 4-65 2-1-6 1BH	<b>North Reference:</b>	True
<b>Wellbore:</b>	OWB	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	FINAL SURVEY	<b>Database:</b>	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)	
21,279.00	90.71	91.01	7,749.78	2,447.62	12,429.46	12,658.63	3.17	-1.27	2.91	
21,374.00	90.47	90.83	7,748.80	2,446.10	12,524.44	12,752.23	0.32	-0.25	-0.19	
21,469.00	90.82	92.49	7,747.73	2,443.35	12,619.39	12,845.61	1.79	0.37	1.75	
21,564.00	90.54	93.42	7,746.60	2,438.45	12,714.26	12,938.57	1.02	-0.29	0.98	
21,659.00	90.79	93.08	7,745.50	2,433.06	12,809.10	13,031.43	0.44	0.26	-0.36	
21,753.00	90.81	91.27	7,744.19	2,429.50	12,903.02	13,123.66	1.93	0.02	-1.93	
21,848.00	90.64	89.86	7,742.99	2,428.56	12,998.00	13,217.35	1.49	-0.18	-1.48	
21,943.00	90.84	91.63	7,741.76	2,427.33	13,092.98	13,310.99	1.87	0.21	1.86	
22,038.00	91.33	91.61	7,739.96	2,424.64	13,187.93	13,404.37	0.52	0.52	-0.02	
22,133.00	90.81	91.22	7,738.19	2,422.29	13,282.88	13,497.81	0.68	-0.55	-0.41	
22,227.00	89.53	89.88	7,737.91	2,421.39	13,376.87	13,590.53	1.97	-1.36	-1.43	
22,322.00	89.77	90.92	7,738.49	2,420.73	13,471.87	13,684.27	1.12	0.25	1.09	
22,417.00	89.26	91.49	7,739.29	2,418.73	13,566.84	13,777.79	0.81	-0.54	0.60	
22,512.00	89.32	91.10	7,740.47	2,416.58	13,661.81	13,871.28	0.42	0.06	-0.41	
22,607.00	89.93	90.50	7,741.09	2,415.26	13,756.80	13,964.91	0.90	0.64	-0.63	
22,701.00	89.96	90.74	7,741.18	2,414.24	13,850.79	14,057.61	0.26	0.03	0.26	
22,796.00	89.11	90.75	7,741.95	2,413.01	13,945.78	14,151.26	0.89	-0.89	0.01	
22,891.00	89.17	91.98	7,743.38	2,410.74	14,040.74	14,244.72	1.30	0.06	1.29	
22,985.00	90.50	91.64	7,743.65	2,407.77	14,134.69	14,337.08	1.46	1.41	-0.36	
23,080.00	90.66	91.48	7,742.69	2,405.19	14,229.65	14,430.49	0.24	0.17	-0.17	
23,175.00	90.16	92.04	7,742.01	2,402.27	14,324.60	14,523.84	0.79	-0.53	0.59	
23,270.00	90.84	91.18	7,741.18	2,399.60	14,419.56	14,617.23	1.15	0.72	-0.91	
23,364.00	90.81	90.67	7,739.82	2,398.08	14,513.54	14,709.84	0.54	-0.03	-0.54	
23,459.00	90.42	91.34	7,738.80	2,396.42	14,608.52	14,803.41	0.82	-0.41	0.71	
23,555.00	91.24	91.80	7,737.41	2,393.79	14,704.47	14,897.80	0.98	0.85	0.48	
23,650.00	91.50	91.50	7,735.14	2,391.05	14,799.40	14,991.16	0.42	0.27	-0.32	
23,745.00	90.94	89.79	7,733.12	2,389.98	14,894.37	15,084.81	1.89	-0.59	-1.80	
23,840.00	91.10	91.22	7,731.43	2,389.15	14,989.35	15,178.52	1.51	0.17	1.51	
23,933.00	90.76	89.47	7,729.92	2,388.59	15,082.33	15,270.29	1.92	-0.37	-1.88	
24,027.00	91.08	88.67	7,728.41	2,390.11	15,176.31	15,363.36	0.92	0.34	-0.85	
24,050.00	91.06	88.35	7,727.98	2,390.71	15,199.30	15,386.16	1.39	-0.09	-1.39	
<b>LAST SURVEY - 24050' MD, 7728' TVD</b>										
24,094.00	91.06	88.35	7,727.17	2,391.98	15,243.27	15,429.80	0.00	0.00	0.00	
<b>EXTRAPOLATION TO TD - 24094' MD, 1141' FNL, 330' FWL SEC 6</b>										

## Survey Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well PROSPER FARMS 4-65 2-1-6 1BH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5656.21usft
<b>Site:</b>	SEC 2-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5656.21usft
<b>Well:</b>	PROSPER FARMS 4-65 2-1-6 1BH	<b>North Reference:</b>	True
<b>Wellbore:</b>	OWB	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	FINAL SURVEY	<b>Database:</b>	EDT_32Bit_ODBC

Design Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
- Shape									
PBHL-PROSPER FARM	0.00	0.00	7,730.00	2,392.71	15,243.10	1,694,378.15	3,257,453.15	39.736311°N	104.584553°W
- actual wellpath misses target center by 2.92usft at 24093.80usft MD (7727.17 TVD, 2391.97 N, 15243.07 E)									
- Point									
LP-PROSPER FARMS 4	0.00	0.00	7,905.00	2,488.33	-215.43	1,694,327.22	3,241,994.47	39.736586°N	104.639519°W
- actual wellpath misses target center by 22.11usft at 8627.02usft MD (7908.05 TVD, 2466.43 N, -215.43 E)									
- Point									

Design Annotations					
Measured Depth	Vertical Depth	Local Coordinates		Comment	
(usft)	(usft)	+N/-S	+E/-W		
		(usft)	(usft)		
7,627.00	7,219.02	2,241.55	-774.79		KOP - 7627' MD, 7219' TVD
8,627.02	7,908.05	2,466.43	-215.43		~330' X- OVER PNT - 8627.02', 1222' FNL, 330' FWL SEC 2
8,730.00	7,914.24	2,465.74	-112.74		HZ LANDING PNT - 8730' MD, 7914' TVD
24,050.00	7,727.98	2,390.71	15,199.30		LAST SURVEY - 24050' MD, 7728' TVD
24,094.00	7,727.17	2,391.98	15,243.27		EXTRAPOLATION TO TD - 24094' MD, 1141' FNL, 330' FWL SEC 6

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_