



CRESTONE PEAK
RESOURCES

Crestone Peak Resources

Sec 21 T2N R68W

Dream Weaver Pad

Dream Weaver South 31-21H-N268

OH

Design: OH

Standard Survey Report

06 September, 2019



Scientific Drilling

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Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well Dream Weaver South 3I-21H-N268
Project:	Sec 21 T2N R68W	TVD Reference:	GL 4901' & RKB 13' @ 4914.00usft (Ensign 122)
Site:	Dream Weaver Pad	MD Reference:	GL 4901' & RKB 13' @ 4914.00usft (Ensign 122)
Well:	Dream Weaver South 3I-21H-N268	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Grand Junction District

Project	Sec 21 T2N R68W		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Northern Zone		

Site	Dream Weaver Pad				
Site Position:		Northing:	1,286,960.17 usft	Latitude:	40.1200650
From:	Lat/Long	Easting:	3,136,653.11 usft	Longitude:	-105.0113580
Position Uncertainty:	0.00 usft	Slot Radius:	13.20 in	Grid Convergence:	0.32 °

Well	Dream Weaver South 3I-21H-N268					
Well Position	+N/-S	0.00 usft	Northing:	1,286,765.95 usft	Latitude:	40.1195300
	+E/-W	0.00 usft	Easting:	3,136,777.23 usft	Longitude:	-105.0109180
Position Uncertainty		0.00 usft	Wellhead Elevation:	0.00 usft	Ground Level:	4,901.00 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	9/11/2019	8.37	66.43	51,956

Design	OH				
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	178.134	

Survey Program	Date	9/6/2019			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
193.00	2,215.00	Survey #1 - Surface MWD Survey (OH)	MWD+HDGM	OWSG MWD + HDGM	

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
193.00	0.97	224.300	192.99	-1.17	-1.14	1.13	0.50	0.50	0.00	
282.00	1.94	220.430	281.96	-2.86	-2.64	2.77	1.09	1.09	-4.35	
374.00	2.90	225.350	373.88	-5.68	-5.31	5.50	1.07	1.04	5.35	
463.00	0.62	182.110	462.83	-7.74	-6.93	7.51	2.79	-2.56	-48.58	
533.00	2.13	55.870	532.82	-7.39	-5.87	7.19	3.64	2.16	-180.34	
622.00	5.15	47.520	621.63	-3.76	-1.55	3.71	3.44	3.39	-9.38	
711.00	6.07	44.700	710.20	2.28	4.71	-2.13	1.08	1.03	-3.17	
800.00	7.78	31.490	798.55	10.76	11.16	-10.39	2.61	1.92	-14.84	
889.00	9.04	26.050	886.60	22.18	17.38	-21.60	1.67	1.42	-6.11	

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Design:	OH	Database:	Grand Junction District

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
979.00	9.08	12.910	975.48	35.46	22.07	-34.72	2.29	0.04	-14.60	
1,068.00	10.18	9.730	1,063.23	50.06	24.97	-49.22	1.37	1.24	-3.57	
1,157.00	10.50	9.050	1,150.78	65.82	27.58	-64.88	0.38	0.36	-0.76	
1,247.00	8.99	14.110	1,239.48	80.74	30.58	-79.70	1.93	-1.68	5.62	
1,336.00	9.42	12.230	1,327.34	94.60	33.82	-93.45	0.59	0.48	-2.11	
1,425.00	9.78	11.660	1,415.09	109.12	36.89	-107.86	0.42	0.40	-0.64	
1,514.00	9.34	21.420	1,502.86	123.25	41.05	-121.84	1.88	-0.49	10.97	
1,600.00	9.18	23.610	1,587.74	136.03	46.35	-134.45	0.45	-0.19	2.55	
1,689.00	9.19	26.140	1,675.60	148.91	52.33	-147.13	0.45	0.01	2.84	
1,779.00	9.85	25.740	1,764.36	162.30	58.83	-160.30	0.74	0.73	-0.44	
1,868.00	9.52	27.150	1,852.09	175.71	65.50	-173.48	0.46	-0.37	1.58	
1,954.00	7.37	21.650	1,937.16	187.16	70.78	-184.76	2.67	-2.50	-6.40	
2,043.00	7.48	22.290	2,025.41	197.83	75.08	-195.28	0.15	0.12	0.72	
2,133.00	7.40	25.050	2,114.65	208.50	79.76	-205.79	0.41	-0.09	3.07	
2,215.00	7.40	25.050	2,195.97	218.07	84.23	-215.21	0.00	0.00	0.00	

Checked By: _____ Approved By: _____ Date: _____