



CRESTONE PEAK
RESOURCES

Crestone Peak Resources

Sec 21 T2N R68W

Dream Weaver Pad

Dream Weaver North 3D-21H-N268

OH

Design: OH

Standard Survey Report

19 August, 2019



Scientific Drilling

www.scientificdrilling.com



Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well Dream Weaver North 3D-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 North 3D-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 North 3D-21H-N268					
Well Position	+N/-S	0.00 usft	Northing:	1,286,929.67 usft	Latitude:	40.1199810
	+E/-W	0.00 usft	Easting:	3,136,672.57 usft	Longitude:	-105.0112890
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	8/23/2019	8.37	66.43	51,962

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	355.407	

Survey Program	Date	8/19/2019			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
101.00	2,235.00	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
101.00	0.62	290.130	101.00	0.19	-0.51	0.23	0.61	0.61	0.00	
191.00	1.06	250.140	190.99	0.07	-1.75	0.21	0.79	0.49	-44.43	
281.00	1.41	276.150	280.97	-0.09	-3.64	0.20	0.72	0.39	28.90	
372.00	2.82	239.240	371.91	-1.12	-6.67	-0.58	2.08	1.55	-40.56	
442.00	3.49	230.860	441.80	-3.34	-9.81	-2.55	1.16	0.96	-11.97	
532.00	3.94	232.480	531.61	-6.95	-14.38	-5.78	0.51	0.50	1.80	
621.00	2.71	234.100	620.46	-10.05	-18.51	-8.54	1.39	-1.38	1.82	
710.00	2.14	211.140	709.38	-12.71	-21.08	-10.98	1.25	-0.64	-25.80	
799.00	2.42	209.160	798.31	-15.77	-22.85	-13.89	0.33	0.31	-2.22	



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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)
888.00	3.34	208.850	887.20	-19.68	-25.02	-17.61	1.03	1.03	-0.35
979.00	4.33	212.120	977.99	-24.91	-28.12	-22.58	1.11	1.09	3.59
1,067.00	6.67	215.880	1,065.58	-31.87	-32.89	-29.13	2.69	2.66	4.27
1,156.00	8.37	214.690	1,153.81	-41.38	-39.60	-38.08	1.92	1.91	-1.34
1,246.00	11.06	217.590	1,242.52	-53.61	-48.60	-49.55	3.04	2.99	3.22
1,335.00	11.92	217.770	1,329.73	-67.64	-59.44	-62.67	0.97	0.97	0.20
1,424.00	12.47	219.050	1,416.72	-82.37	-71.12	-76.41	0.69	0.62	1.44
1,513.00	12.66	221.190	1,503.59	-97.17	-83.60	-90.17	0.56	0.21	2.40
1,603.00	13.32	221.260	1,591.29	-112.39	-96.93	-104.26	0.73	0.73	0.08
1,688.00	13.69	228.080	1,673.94	-126.47	-110.87	-117.18	1.92	0.44	8.02
1,778.00	13.67	231.720	1,761.39	-140.17	-127.14	-129.54	0.96	-0.02	4.04
1,867.00	13.52	233.150	1,847.90	-152.93	-143.72	-140.93	0.41	-0.17	1.61
1,953.00	13.29	234.300	1,931.56	-164.72	-159.80	-151.40	0.41	-0.27	1.34
2,042.00	13.61	235.250	2,018.11	-176.66	-176.71	-161.94	0.44	0.36	1.07
2,132.00	13.55	235.330	2,105.60	-188.69	-194.08	-172.55	0.07	-0.07	0.09
2,174.00	13.45	236.890	2,146.44	-194.16	-202.22	-177.35	0.90	-0.24	3.71
2,235.00	13.45	236.890	2,205.77	-201.91	-214.10	-184.12	0.00	0.00	0.00

Checked By: _____ Approved By: _____ Date: _____