



CRESTONE PEAK
RESOURCES

Crestone Peak Resources

Sec 21 T2N R68W

Dream Weaver Pad

Dream Weaver North 3H-21H-N268

OH

Design: OH

Standard Survey Report

26 August, 2019



Scientific Drilling

www.scientificdrilling.com



Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well Dream Weaver North 3H-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 3H-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 3H-21H-N268					
Well Position	+N/-S	0.00 usft	Northing:	1,286,888.65 usft	Latitude:	40.1198680
	+E/-W	0.00 usft	Easting:	3,136,698.81 usft	Longitude:	-105.0111960
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	9/1/2019	8.37	66.43	51,959

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	359.836	

Survey Program	Date	8/26/2019			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
101.00	2,207.00	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	0.18	237.360	101.00	-0.09	-0.13	-0.09	0.18	0.18	0.00	
192.00	0.35	175.780	192.00	-0.44	-0.23	-0.44	0.34	0.19	-67.67	
281.00	0.62	199.690	281.00	-1.16	-0.38	-1.16	0.37	0.30	26.87	
372.00	1.32	193.710	371.98	-2.65	-0.79	-2.64	0.78	0.77	-6.57	
462.00	1.94	202.240	461.95	-5.06	-1.61	-5.06	0.74	0.69	9.48	
532.00	1.11	173.310	531.92	-6.83	-1.98	-6.83	1.58	-1.19	-41.33	
621.00	1.82	165.100	620.89	-9.06	-1.52	-9.05	0.83	0.80	-9.22	
710.00	2.46	160.570	709.83	-12.22	-0.52	-12.22	0.74	0.72	-5.09	
799.00	2.56	163.330	798.74	-15.93	0.69	-15.93	0.18	0.11	3.10	

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well Dream Weaver North 3H-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 3H-21H-N268	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
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	2.20	202.520	887.67	-19.41	0.60	-19.41	1.83	-0.40	44.03	
978.00	0.63	210.830	977.64	-21.43	-0.31	-21.43	1.75	-1.74	9.23	
1,067.00	0.19	293.360	1,066.64	-21.79	-0.70	-21.79	0.71	-0.49	92.73	
1,156.00	0.56	162.500	1,155.64	-22.15	-0.70	-22.15	0.79	0.42	-147.03	
1,245.00	2.53	162.630	1,244.60	-24.44	0.01	-24.44	2.21	2.21	0.15	
1,335.00	5.14	171.850	1,334.39	-30.33	1.18	-30.33	2.97	2.90	10.24	
1,424.00	6.03	172.240	1,422.97	-38.90	2.37	-38.91	1.00	1.00	0.44	
1,513.00	6.49	175.670	1,511.44	-48.55	3.39	-48.56	0.67	0.52	3.85	
1,599.00	6.84	177.080	1,596.86	-58.51	4.01	-58.52	0.45	0.41	1.64	
1,688.00	8.32	178.770	1,685.08	-70.24	4.42	-70.26	1.68	1.66	1.90	
1,778.00	8.71	182.000	1,774.09	-83.57	4.32	-83.58	0.69	0.43	3.59	
1,867.00	8.93	184.950	1,862.03	-97.18	3.49	-97.19	0.57	0.25	3.31	
1,953.00	9.06	185.550	1,946.98	-110.57	2.26	-110.58	0.19	0.15	0.70	
2,042.00	9.50	188.780	2,034.81	-124.80	0.46	-124.81	0.77	0.49	3.63	
2,131.00	7.92	191.550	2,122.78	-138.07	-1.89	-138.07	1.84	-1.78	3.11	
2,148.00	7.90	189.970	2,139.62	-140.37	-2.32	-140.36	1.28	-0.12	-9.29	
2,207.00	7.90	189.970	2,198.06	-148.36	-3.73	-148.34	0.00	0.00	0.00	

Checked By: _____ Approved By: _____ Date: _____