



CRESTONE PEAK  
RESOURCES

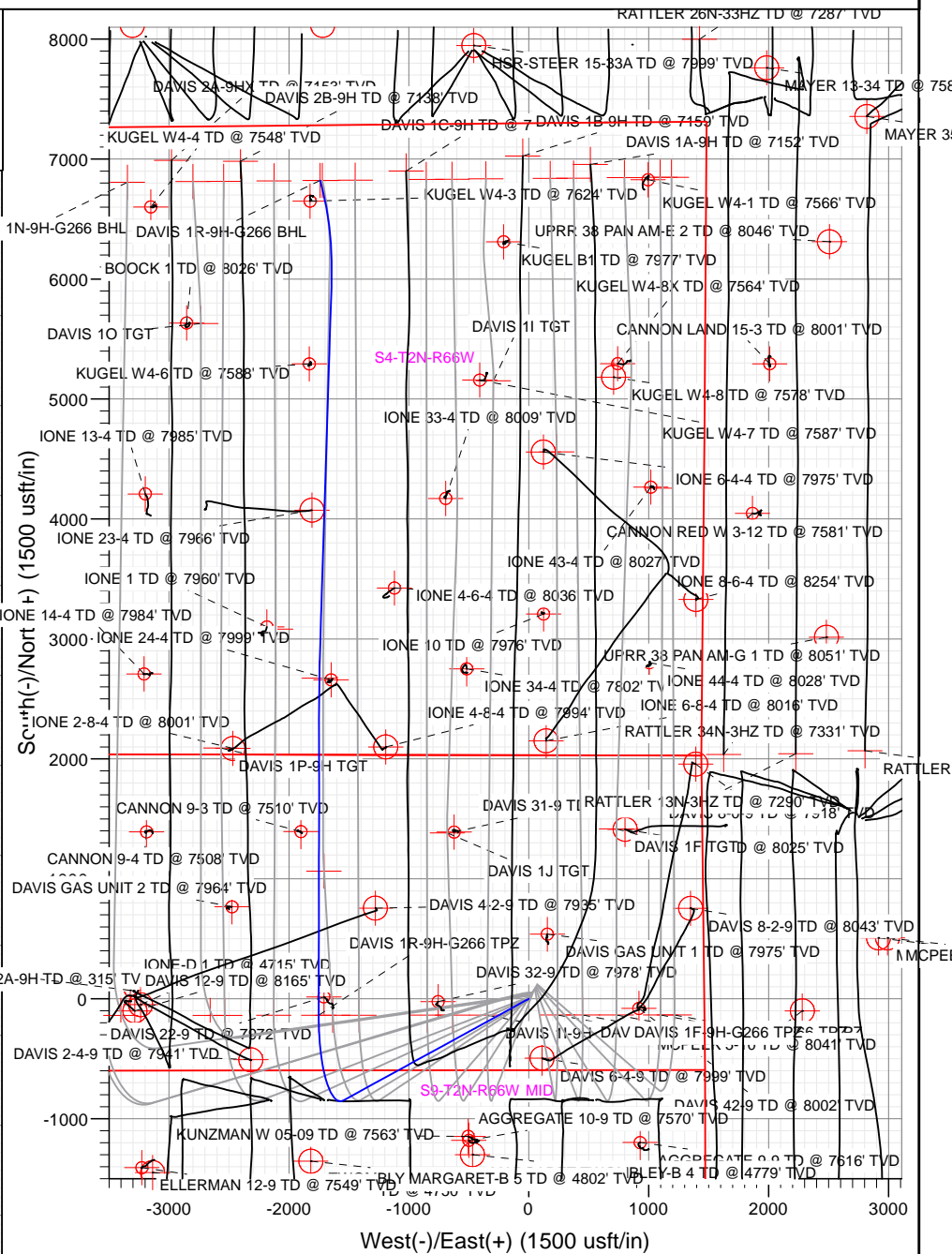
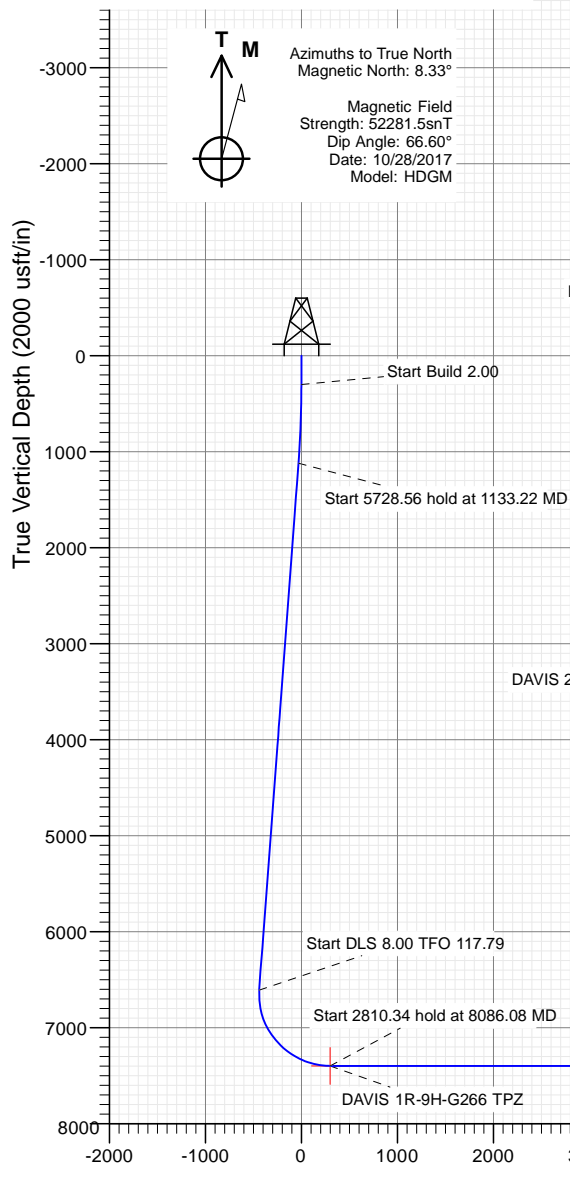
# SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	
3	1133.22	16.66	241.29	1121.52	-57.81	-105.52	2.00	241.29	-29.93	
4	6861.78	16.66	241.29	6609.49	-847.07	-1546.26	0.00	0.00	-438.64	
5	8086.08	90.00	0.10	7398.00	-137.39	-1751.85	8.00	117.79	299.83	DAVIS 1R-9H-G266 TPZ
6	10896.42	90.00	0.10	7398.00	2672.94	-1747.04	0.00	0.00	3021.80	Interp @ 7398.00 (DAVIS 1R-9H-G266 (N) OH PLAN #1)
7	10981.79	90.00	1.81	7398.00	2758.30	-1745.62	2.00	90.00	3104.15	
8	14215.16	90.00	1.81	7398.00	5990.06	-1643.75	0.00	0.00	6210.48	
9	15055.43	90.00	345.00	7398.00	6821.78	-1739.94	2.00	-90.00	7040.18	DAVIS 1R-9H-G266 BHL

PLAN #3  
DAVIS 1R-9H-G266  
23 KB @ 4940.00usft  
Ground Level @ 4917.00  
North American Datum 1983  
Well DAVIS 1R-9H-G266 - Slot DAVIS 1R-9H, True North

Type	Target	No Target (Freehand)	Azimuth	Origin Type	Slot	N/S	E/W	From TVD
Name	DAVIS 1R-9H-G266 BHL	7398.00	345.00	Slot	0.00	0.00	0.00	0.00
Name	DAVIS 1R-9H-G266 TPZ	7398.00	345.00	Slot	0.00	0.00	0.00	0.00
Name	Interp @ 7398.00 (DAVIS 1R-9H-G266 (N) OH PLAN #1)	7398.00	345.00	Slot	0.00	0.00	0.00	0.00

Project: DJ BASIN  
Site: S4-T2N-R66W  
Well: DAVIS 1R-9H-G266  
Wellbore: OH  
Design: PLAN #3



## Vertical-Section at 345.69° (2000 usft/in)

## WELL DETAILS: DAVIS 1R-9H-G266

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	DAVIS 1R-9H
0.00	0.00	1299857.82	3201801.39	40.154249	-104.778035	

CATHEDRAL



# **Crestone Peak Resources**

**DJ BASIN**

**S4-T2N-R66W**

**DAVIS 1R-9H-G266 - Slot DAVIS 1R-9H**

**OH**

**Plan: PLAN #3**

## **Standard Planning Report**

**11 January, 2018**

# Cathedral Energy Services

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well DAVIS 1R-9H-G266 - Slot DAVIS 1R-9H
<b>Company:</b>	Crestone Peak Resources	<b>TVD Reference:</b>	23' KB @ 4940.00usft
<b>Project:</b>	DJ BASIN	<b>MD Reference:</b>	23' KB @ 4940.00usft
<b>Site:</b>	S4-T2N-R66W	<b>North Reference:</b>	True
<b>Well:</b>	DAVIS 1R-9H-G266	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	PLAN #3		

Project	DJ BASIN		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Northern Zone		

Site		S4-T2N-R66W			
Site Position:		Northing:	1,300,048.95 usft	Latitude:	40.154783
From:	Map	Easting:	3,201,389.75 usft	Longitude:	-104.779502
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.47 °

Well	DAVIS 1R-9H-G266 - Slot DAVIS 1R-9H					
Well Position	+N/-S	-194.46 usft	Northing:	1,299,857.82 usft	Latitude:	40.154249
	+E/-W	410.08 usft	Easting:	3,201,801.39 usft	Longitude:	-104.778035
Position Uncertainty		0.00 usft	Wellhead Elevation:		Ground Level:	4,917.00 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	10/28/2017	8.33	66.60	52,281.50000000

Design	PLAN #3			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	345.69

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,133.22	16.66	241.29	1,121.52	-57.81	-105.52	2.00	2.00	0.00	241.29	
6,861.78	16.66	241.29	6,609.49	-847.07	-1,546.26	0.00	0.00	0.00	0.00	
8,086.08	90.00	0.10	7,398.00	-137.39	-1,751.85	8.00	5.99	9.70	117.79	DAVIS 1R-9H-G266 T
10,896.42	90.00	0.10	7,398.00	2,672.94	-1,747.04	0.00	0.00	0.00	0.00	Interp @ 7398.00 (DA
10,981.79	90.00	1.81	7,398.00	2,758.30	-1,745.62	2.00	0.00	2.00	90.00	
14,215.16	90.00	1.81	7,398.00	5,990.06	-1,643.75	0.00	0.00	0.00	0.00	
15,055.43	90.00	345.00	7,398.00	6,821.78	-1,739.94	2.00	0.00	-2.00	-90.00	DAVIS 1R-9H-G266 E

# Cathedral Energy Services

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well DAVIS 1R-9H-G266 - Slot DAVIS 1R-9H
<b>Company:</b>	Crestone Peak Resources	<b>TVD Reference:</b>	23' KB @ 4940.00usft
<b>Project:</b>	DJ BASIN	<b>MD Reference:</b>	23' KB @ 4940.00usft
<b>Site:</b>	S4-T2N-R66W	<b>North Reference:</b>	True
<b>Well:</b>	DAVIS 1R-9H-G266	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	PLAN #3		

Planned 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	2.00	241.29	399.98	-0.84	-1.53	-0.43	2.00	2.00	0.00
500.00	4.00	241.29	499.84	-3.35	-6.12	-1.74	2.00	2.00	0.00
600.00	6.00	241.29	599.45	-7.54	-13.76	-3.90	2.00	2.00	0.00
700.00	8.00	241.29	698.70	-13.39	-24.45	-6.94	2.00	2.00	0.00
800.00	10.00	241.29	797.47	-20.91	-38.17	-10.83	2.00	2.00	0.00
900.00	12.00	241.29	895.62	-30.08	-54.90	-15.58	2.00	2.00	0.00
1,000.00	14.00	241.29	993.06	-40.88	-74.63	-21.17	2.00	2.00	0.00
1,100.00	16.00	241.29	1,089.64	-53.32	-97.33	-27.61	2.00	2.00	0.00
1,133.22	16.66	241.29	1,121.52	-57.81	-105.52	-29.93	2.00	2.00	0.00
1,200.00	16.66	241.29	1,185.50	-67.01	-122.32	-34.70	0.00	0.00	0.00
1,300.00	16.66	241.29	1,281.30	-80.79	-147.47	-41.83	0.00	0.00	0.00
1,400.00	16.66	241.29	1,377.10	-94.56	-172.62	-48.97	0.00	0.00	0.00
1,500.00	16.66	241.29	1,472.90	-108.34	-197.77	-56.10	0.00	0.00	0.00
1,600.00	16.66	241.29	1,568.70	-122.12	-222.92	-63.24	0.00	0.00	0.00
1,700.00	16.66	241.29	1,664.50	-135.90	-248.07	-70.37	0.00	0.00	0.00
1,800.00	16.66	241.29	1,760.30	-149.67	-273.22	-77.51	0.00	0.00	0.00
1,900.00	16.66	241.29	1,856.10	-163.45	-298.37	-84.64	0.00	0.00	0.00
2,000.00	16.66	241.29	1,951.90	-177.23	-323.52	-91.78	0.00	0.00	0.00
2,100.00	16.66	241.29	2,047.70	-191.01	-348.67	-98.91	0.00	0.00	0.00
2,200.00	16.66	241.29	2,143.50	-204.78	-373.82	-106.04	0.00	0.00	0.00
2,300.00	16.66	241.29	2,239.30	-218.56	-398.97	-113.18	0.00	0.00	0.00
2,400.00	16.66	241.29	2,335.10	-232.34	-424.12	-120.31	0.00	0.00	0.00
2,500.00	16.66	241.29	2,430.90	-246.12	-449.27	-127.45	0.00	0.00	0.00
2,600.00	16.66	241.29	2,526.70	-259.89	-474.42	-134.58	0.00	0.00	0.00
2,700.00	16.66	241.29	2,622.50	-273.67	-499.57	-141.72	0.00	0.00	0.00
2,800.00	16.66	241.29	2,718.30	-287.45	-524.72	-148.85	0.00	0.00	0.00
2,900.00	16.66	241.29	2,814.10	-301.23	-549.87	-155.99	0.00	0.00	0.00
3,000.00	16.66	241.29	2,909.90	-315.01	-575.02	-163.12	0.00	0.00	0.00
3,100.00	16.66	241.29	3,005.70	-328.78	-600.17	-170.26	0.00	0.00	0.00
3,200.00	16.66	241.29	3,101.50	-342.56	-625.32	-177.39	0.00	0.00	0.00
3,300.00	16.66	241.29	3,197.30	-356.34	-650.47	-184.52	0.00	0.00	0.00
3,400.00	16.66	241.29	3,293.10	-370.12	-675.62	-191.66	0.00	0.00	0.00
3,500.00	16.66	241.29	3,388.90	-383.89	-700.77	-198.79	0.00	0.00	0.00
3,600.00	16.66	241.29	3,484.70	-397.67	-725.92	-205.93	0.00	0.00	0.00
3,700.00	16.66	241.29	3,580.50	-411.45	-751.07	-213.06	0.00	0.00	0.00
3,800.00	16.66	241.29	3,676.30	-425.23	-776.22	-220.20	0.00	0.00	0.00
3,900.00	16.66	241.29	3,772.10	-439.00	-801.37	-227.33	0.00	0.00	0.00
4,000.00	16.66	241.29	3,867.90	-452.78	-826.52	-234.47	0.00	0.00	0.00
4,100.00	16.66	241.29	3,963.70	-466.56	-851.67	-241.60	0.00	0.00	0.00
4,200.00	16.66	241.29	4,059.50	-480.34	-876.82	-248.74	0.00	0.00	0.00
4,300.00	16.66	241.29	4,155.30	-494.11	-901.97	-255.87	0.00	0.00	0.00
4,400.00	16.66	241.29	4,251.10	-507.89	-927.12	-263.00	0.00	0.00	0.00
4,500.00	16.66	241.29	4,346.90	-521.67	-952.27	-270.14	0.00	0.00	0.00
4,600.00	16.66	241.29	4,442.70	-535.45	-977.42	-277.27	0.00	0.00	0.00
4,700.00	16.66	241.29	4,538.50	-549.23	-1,002.57	-284.41	0.00	0.00	0.00
4,800.00	16.66	241.29	4,634.30	-563.00	-1,027.72	-291.54	0.00	0.00	0.00
4,900.00	16.66	241.29	4,730.10	-576.78	-1,052.87	-298.68	0.00	0.00	0.00
5,000.00	16.66	241.29	4,825.90	-590.56	-1,078.02	-305.81	0.00	0.00	0.00
5,100.00	16.66	241.29	4,921.70	-604.34	-1,103.17	-312.95	0.00	0.00	0.00
5,200.00	16.66	241.29	5,017.50	-618.11	-1,128.32	-320.08	0.00	0.00	0.00

# Cathedral Energy Services

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well DAVIS 1R-9H-G266 - Slot DAVIS 1R-9H
<b>Company:</b>	Crestone Peak Resources	<b>TVD Reference:</b>	23' KB @ 4940.00usft
<b>Project:</b>	DJ BASIN	<b>MD Reference:</b>	23' KB @ 4940.00usft
<b>Site:</b>	S4-T2N-R66W	<b>North Reference:</b>	True
<b>Well:</b>	DAVIS 1R-9H-G266	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	PLAN #3		

Planned 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)
5,300.00	16.66	241.29	5,113.30	-631.89	-1,153.47	-327.22	0.00	0.00	0.00
5,400.00	16.66	241.29	5,209.10	-645.67	-1,178.62	-334.35	0.00	0.00	0.00
5,500.00	16.66	241.29	5,304.90	-659.45	-1,203.77	-341.48	0.00	0.00	0.00
5,600.00	16.66	241.29	5,400.70	-673.22	-1,228.92	-348.62	0.00	0.00	0.00
5,700.00	16.66	241.29	5,496.50	-687.00	-1,254.07	-355.75	0.00	0.00	0.00
5,800.00	16.66	241.29	5,592.30	-700.78	-1,279.22	-362.89	0.00	0.00	0.00
5,900.00	16.66	241.29	5,688.10	-714.56	-1,304.37	-370.02	0.00	0.00	0.00
6,000.00	16.66	241.29	5,783.90	-728.33	-1,329.52	-377.16	0.00	0.00	0.00
6,100.00	16.66	241.29	5,879.70	-742.11	-1,354.67	-384.29	0.00	0.00	0.00
6,200.00	16.66	241.29	5,975.50	-755.89	-1,379.82	-391.43	0.00	0.00	0.00
6,300.00	16.66	241.29	6,071.30	-769.67	-1,404.97	-398.56	0.00	0.00	0.00
6,400.00	16.66	241.29	6,167.10	-783.44	-1,430.12	-405.70	0.00	0.00	0.00
6,500.00	16.66	241.29	6,262.90	-797.22	-1,455.27	-412.83	0.00	0.00	0.00
6,600.00	16.66	241.29	6,358.70	-811.00	-1,480.42	-419.96	0.00	0.00	0.00
6,700.00	16.66	241.29	6,454.50	-824.78	-1,505.57	-427.10	0.00	0.00	0.00
6,800.00	16.66	241.29	6,550.30	-838.56	-1,530.72	-434.23	0.00	0.00	0.00
6,861.78	16.66	241.29	6,609.49	-847.07	-1,546.26	-438.64	0.00	0.00	0.00
6,900.00	15.47	251.47	6,646.22	-851.32	-1,555.90	-440.38	8.00	-3.12	26.66
7,000.00	15.02	282.20	6,742.86	-852.82	-1,581.25	-435.57	8.00	-0.46	30.72
7,100.00	18.35	307.85	6,838.76	-840.41	-1,606.38	-417.33	8.00	3.34	25.65
7,200.00	23.94	323.89	6,932.07	-814.31	-1,630.81	-386.01	8.00	5.59	16.04
7,300.00	30.57	333.74	7,020.96	-775.05	-1,654.05	-342.22	8.00	6.63	9.85
7,400.00	37.70	340.26	7,103.71	-723.38	-1,675.67	-286.81	8.00	7.12	6.52
7,500.00	45.08	344.94	7,178.70	-660.32	-1,695.23	-220.86	8.00	7.38	4.68
7,600.00	52.61	348.53	7,244.48	-587.08	-1,712.35	-145.66	8.00	7.53	3.60
7,700.00	60.23	351.47	7,299.75	-505.09	-1,726.71	-62.67	8.00	7.62	2.93
7,800.00	67.90	353.99	7,343.46	-415.95	-1,738.02	26.50	8.00	7.67	2.52
7,900.00	75.61	356.24	7,374.75	-321.40	-1,746.07	120.10	8.00	7.71	2.25
8,000.00	83.34	358.34	7,393.00	-223.27	-1,750.69	216.33	8.00	7.73	2.10
8,086.08	90.00	0.10	7,398.00	-137.39	-1,751.85	299.83	8.00	7.74	2.04
DAVIS 1R-9H-G266 TPZ									
8,100.00	90.00	0.10	7,398.00	-123.47	-1,751.83	313.31	0.00	0.00	0.00
8,200.00	90.00	0.10	7,398.00	-23.47	-1,751.66	410.17	0.00	0.00	0.00
8,300.00	90.00	0.10	7,398.00	76.53	-1,751.49	507.02	0.00	0.00	0.00
8,400.00	90.00	0.10	7,398.00	176.52	-1,751.31	603.88	0.00	0.00	0.00
8,500.00	90.00	0.10	7,398.00	276.52	-1,751.14	700.73	0.00	0.00	0.00
8,600.00	90.00	0.10	7,398.00	376.52	-1,750.97	797.59	0.00	0.00	0.00
8,700.00	90.00	0.10	7,398.00	476.52	-1,750.80	894.44	0.00	0.00	0.00
8,800.00	90.00	0.10	7,398.00	576.52	-1,750.63	991.30	0.00	0.00	0.00
8,900.00	90.00	0.10	7,398.00	676.52	-1,750.46	1,088.15	0.00	0.00	0.00
9,000.00	90.00	0.10	7,398.00	776.52	-1,750.29	1,185.01	0.00	0.00	0.00
9,100.00	90.00	0.10	7,398.00	876.52	-1,750.12	1,281.87	0.00	0.00	0.00
9,200.00	90.00	0.10	7,398.00	976.52	-1,749.95	1,378.72	0.00	0.00	0.00
9,300.00	90.00	0.10	7,398.00	1,076.52	-1,749.77	1,475.58	0.00	0.00	0.00
9,400.00	90.00	0.10	7,398.00	1,176.52	-1,749.60	1,572.43	0.00	0.00	0.00
9,500.00	90.00	0.10	7,398.00	1,276.52	-1,749.43	1,669.29	0.00	0.00	0.00
9,600.00	90.00	0.10	7,398.00	1,376.52	-1,749.26	1,766.14	0.00	0.00	0.00
9,700.00	90.00	0.10	7,398.00	1,476.52	-1,749.09	1,863.00	0.00	0.00	0.00
9,800.00	90.00	0.10	7,398.00	1,576.52	-1,748.92	1,959.85	0.00	0.00	0.00
9,900.00	90.00	0.10	7,398.00	1,676.52	-1,748.75	2,056.71	0.00	0.00	0.00
10,000.00	90.00	0.10	7,398.00	1,776.52	-1,748.58	2,153.56	0.00	0.00	0.00
10,100.00	90.00	0.10	7,398.00	1,876.52	-1,748.41	2,250.42	0.00	0.00	0.00
10,200.00	90.00	0.10	7,398.00	1,976.52	-1,748.23	2,347.27	0.00	0.00	0.00

# Cathedral Energy Services

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well DAVIS 1R-9H-G266 - Slot DAVIS 1R-9H
<b>Company:</b>	Crestone Peak Resources	<b>TVD Reference:</b>	23' KB @ 4940.00usft
<b>Project:</b>	DJ BASIN	<b>MD Reference:</b>	23' KB @ 4940.00usft
<b>Site:</b>	S4-T2N-R66W	<b>North Reference:</b>	True
<b>Well:</b>	DAVIS 1R-9H-G266	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	PLAN #3		

Planned 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)
10,300.00	90.00	0.10	7,398.00	2,076.52	-1,748.06	2,444.13	0.00	0.00	0.00
10,400.00	90.00	0.10	7,398.00	2,176.52	-1,747.89	2,540.99	0.00	0.00	0.00
10,500.00	90.00	0.10	7,398.00	2,276.52	-1,747.72	2,637.84	0.00	0.00	0.00
10,600.00	90.00	0.10	7,398.00	2,376.52	-1,747.55	2,734.70	0.00	0.00	0.00
10,700.00	90.00	0.10	7,398.00	2,476.52	-1,747.38	2,831.55	0.00	0.00	0.00
10,800.00	90.00	0.10	7,398.00	2,576.52	-1,747.21	2,928.41	0.00	0.00	0.00
10,896.42	90.00	0.10	7,398.00	2,672.94	-1,747.04	3,021.80	0.00	0.00	0.00
Interp @ 7398.00 (DAVIS 1R-9H-G266 (N) OH PLAN #1)									
10,900.00	90.00	0.17	7,398.00	2,676.52	-1,747.03	3,025.26	2.00	0.00	2.00
10,981.79	90.00	1.81	7,398.00	2,758.30	-1,745.62	3,104.15	2.00	0.00	2.00
11,000.00	90.00	1.81	7,398.00	2,776.50	-1,745.05	3,121.65	0.00	0.00	0.00
11,100.00	90.00	1.81	7,398.00	2,876.45	-1,741.90	3,217.72	0.00	0.00	0.00
11,200.00	90.00	1.81	7,398.00	2,976.40	-1,738.75	3,313.79	0.00	0.00	0.00
11,300.00	90.00	1.81	7,398.00	3,076.35	-1,735.60	3,409.86	0.00	0.00	0.00
11,400.00	90.00	1.81	7,398.00	3,176.30	-1,732.45	3,505.93	0.00	0.00	0.00
11,500.00	90.00	1.81	7,398.00	3,276.25	-1,729.30	3,602.00	0.00	0.00	0.00
11,600.00	90.00	1.81	7,398.00	3,376.20	-1,726.15	3,698.07	0.00	0.00	0.00
11,700.00	90.00	1.81	7,398.00	3,476.15	-1,723.00	3,794.14	0.00	0.00	0.00
11,800.00	90.00	1.81	7,398.00	3,576.10	-1,719.85	3,890.22	0.00	0.00	0.00
11,900.00	90.00	1.81	7,398.00	3,676.05	-1,716.69	3,986.29	0.00	0.00	0.00
12,000.00	90.00	1.81	7,398.00	3,776.00	-1,713.54	4,082.36	0.00	0.00	0.00
12,100.00	90.00	1.81	7,398.00	3,875.95	-1,710.39	4,178.43	0.00	0.00	0.00
12,200.00	90.00	1.81	7,398.00	3,975.90	-1,707.24	4,274.50	0.00	0.00	0.00
12,300.00	90.00	1.81	7,398.00	4,075.85	-1,704.09	4,370.57	0.00	0.00	0.00
12,400.00	90.00	1.81	7,398.00	4,175.80	-1,700.94	4,466.64	0.00	0.00	0.00
12,500.00	90.00	1.81	7,398.00	4,275.75	-1,697.79	4,562.71	0.00	0.00	0.00
12,600.00	90.00	1.81	7,398.00	4,375.70	-1,694.64	4,658.78	0.00	0.00	0.00
12,700.00	90.00	1.81	7,398.00	4,475.65	-1,691.49	4,754.86	0.00	0.00	0.00
12,800.00	90.00	1.81	7,398.00	4,575.60	-1,688.34	4,850.93	0.00	0.00	0.00
12,900.00	90.00	1.81	7,398.00	4,675.55	-1,685.19	4,947.00	0.00	0.00	0.00
13,000.00	90.00	1.81	7,398.00	4,775.50	-1,682.04	5,043.07	0.00	0.00	0.00
13,100.00	90.00	1.81	7,398.00	4,875.45	-1,678.89	5,139.14	0.00	0.00	0.00
13,200.00	90.00	1.81	7,398.00	4,975.41	-1,675.74	5,235.21	0.00	0.00	0.00
13,300.00	90.00	1.81	7,398.00	5,075.36	-1,672.59	5,331.28	0.00	0.00	0.00
13,400.00	90.00	1.81	7,398.00	5,175.31	-1,669.43	5,427.35	0.00	0.00	0.00
13,500.00	90.00	1.81	7,398.00	5,275.26	-1,666.28	5,523.42	0.00	0.00	0.00
13,600.00	90.00	1.81	7,398.00	5,375.21	-1,663.13	5,619.49	0.00	0.00	0.00
13,700.00	90.00	1.81	7,398.00	5,475.16	-1,659.98	5,715.57	0.00	0.00	0.00
13,800.00	90.00	1.81	7,398.00	5,575.11	-1,656.83	5,811.64	0.00	0.00	0.00
13,900.00	90.00	1.81	7,398.00	5,675.06	-1,653.68	5,907.71	0.00	0.00	0.00
14,000.00	90.00	1.81	7,398.00	5,775.01	-1,650.53	6,003.78	0.00	0.00	0.00
14,100.00	90.00	1.81	7,398.00	5,874.96	-1,647.38	6,099.85	0.00	0.00	0.00
14,200.00	90.00	1.81	7,398.00	5,974.91	-1,644.23	6,195.92	0.00	0.00	0.00
14,215.16	90.00	1.81	7,398.00	5,990.06	-1,643.75	6,210.48	0.00	0.00	0.00
14,300.00	90.00	0.11	7,398.00	6,074.89	-1,642.33	6,292.33	2.00	0.00	-2.00
14,400.00	90.00	358.11	7,398.00	6,174.87	-1,643.89	6,389.59	2.00	0.00	-2.00
14,500.00	90.00	356.11	7,398.00	6,274.74	-1,648.93	6,487.61	2.00	0.00	-2.00
14,600.00	90.00	354.11	7,398.00	6,374.37	-1,657.46	6,586.26	2.00	0.00	-2.00
14,700.00	90.00	352.11	7,398.00	6,473.64	-1,669.46	6,685.42	2.00	0.00	-2.00
14,800.00	90.00	350.11	7,398.00	6,572.43	-1,684.91	6,784.96	2.00	0.00	-2.00
14,900.00	90.00	348.11	7,398.00	6,670.63	-1,703.81	6,884.78	2.00	0.00	-2.00
15,000.00	90.00	346.11	7,398.00	6,768.10	-1,726.12	6,984.75	2.00	0.00	-2.00
15,055.43	90.00	345.00	7,398.00	6,821.78	-1,739.94	7,040.18	2.00	0.00	-2.00
DAVIS 1R-9H-G266 BHL									

# Cathedral Energy Services

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well DAVIS 1R-9H-G266 - Slot DAVIS 1R-9H
<b>Company:</b>	Crestone Peak Resources	<b>TVD Reference:</b>	23' KB @ 4940.00usft
<b>Project:</b>	DJ BASIN	<b>MD Reference:</b>	23' KB @ 4940.00usft
<b>Site:</b>	S4-T2N-R66W	<b>North Reference:</b>	True
<b>Well:</b>	DAVIS 1R-9H-G266	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	PLAN #3		

Planned 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)

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
DAVIS 1R-9H-G266 BHI - plan hits target center - Point	0.00	0.00	7,398.00	6,821.78	-1,739.94	1,306,665.21	3,200,005.96	40.172976	-104.784262
Interp @ 7398.00 (DAVI: - plan hits target center - Point	0.00	0.00	7,398.00	2,672.94	-1,747.04	1,302,516.45	3,200,032.64	40.161587	-104.784286
DAVIS 1R-9H-G266 TP2 - plan hits target center - Point	0.00	0.00	7,398.00	-137.39	-1,751.85	1,299,706.17	3,200,050.72	40.153872	-104.784303