



CRESTONE PEAK
RESOURCES

SECTION DETAILS

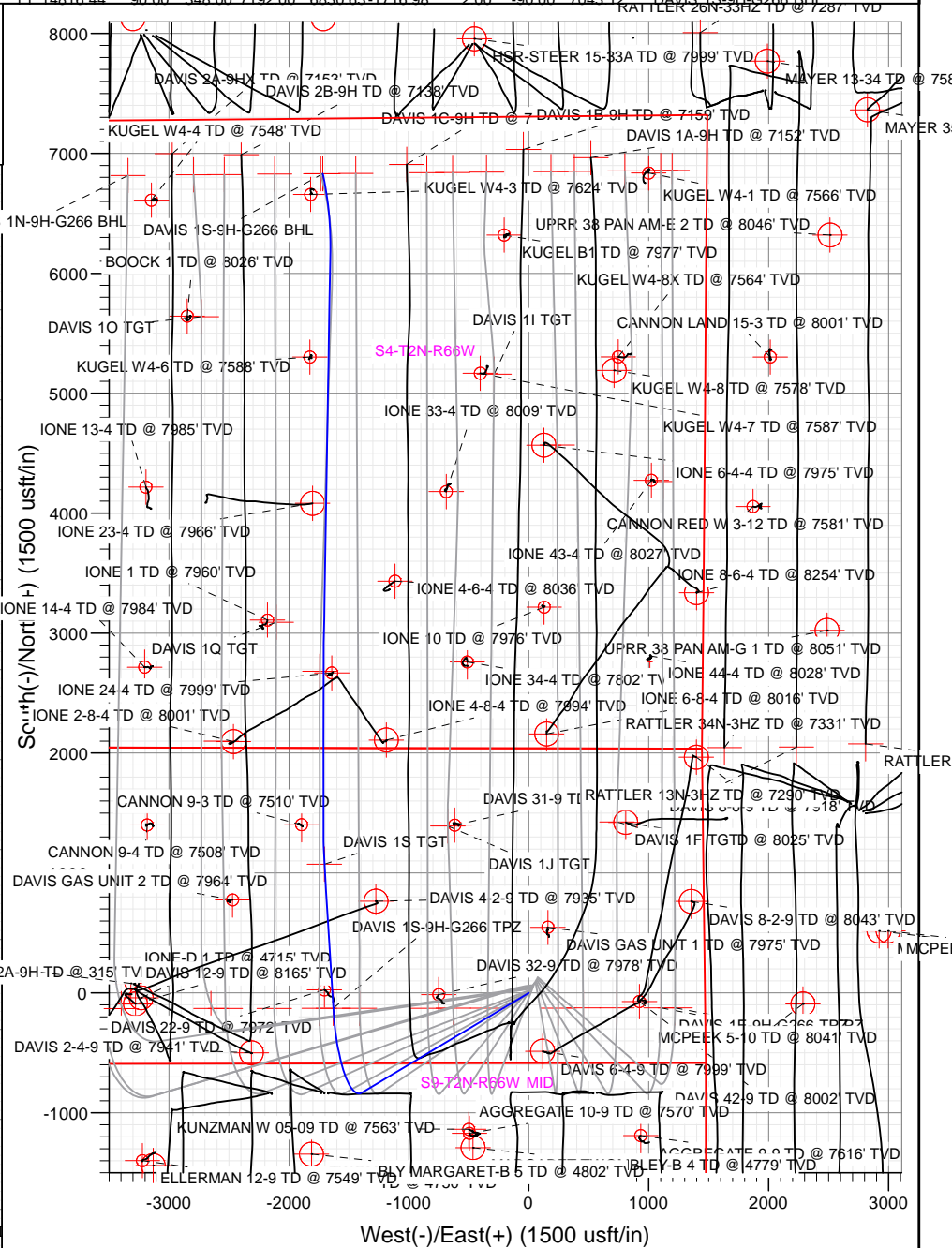
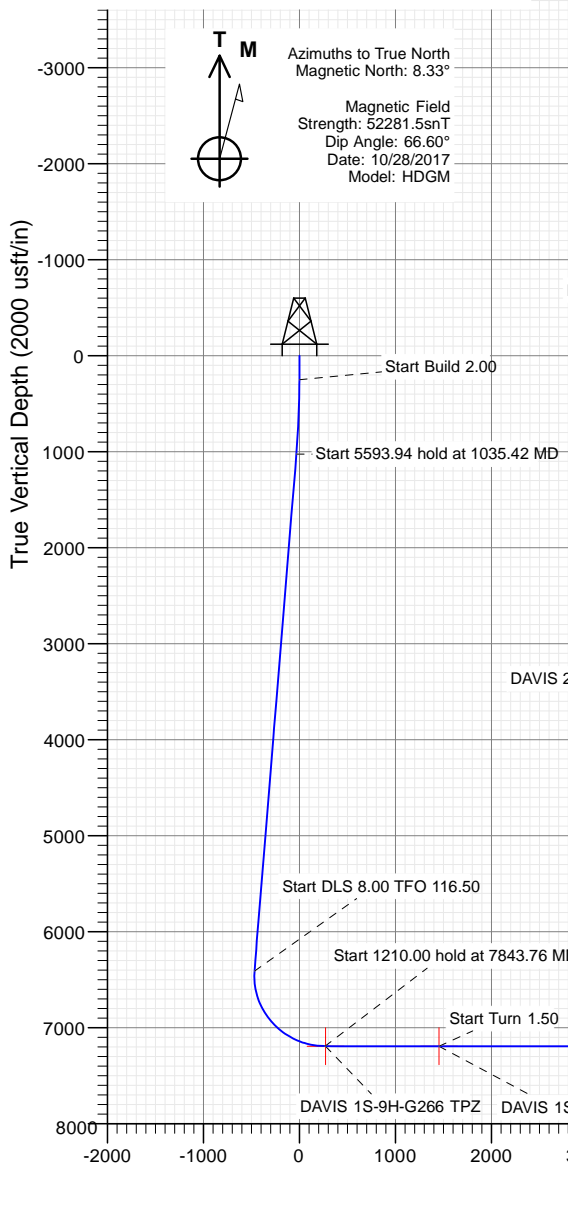
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	250.00	0.00	0.00	250.00	0.00	0.00	0.00	0.00	0.00	
3	1035.42	15.71	239.12	1025.62	-54.91	-91.83	2.00	239.12	-30.87	
4	6629.36	15.71	239.12	6410.63	-832.19	-1391.67	0.00	0.00	-467.82	
5	7843.76	90.00	356.50	7192.00	-134.80	-1629.83	8.00	116.50	266.59	
6	9053.76	90.00	356.50	7192.00	1072.94	-1703.70	0.00	0.00	1455.90	DAVIS 1S TGT
7	9287.09	90.00	0.00	7192.00	1306.13	-1710.82	1.50	90.00	1683.79	
8	10787.09	90.00	0.00	7192.00	2806.13	-1710.82	0.00	0.00	3138.53	
9	10834.91	90.00	0.96	7192.00	2853.94	-1710.42	2.00	90.00	3184.81	
10	14168.62	90.00	0.96	7192.00	6187.19	-1654.78	0.00	0.00	6403.93	
11	14816.44	90.00	348.00	7192.00	6830.63	-1716.98	2.00	-90.00	7043.12	DAVIS 1S-9H-G266 BHL

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

Type	Target	No Target (Freehand)	Azimuth	Origin Type	Slot	N/S	E/W	From TVD
Name	DAVIS 1S TGT		7192.00					
	DAVIS 1S-9H-G266 BHL		7192.00					
	DAVIS 1S-9H-G266 TPZ		7192.00					

+N/-S	+E/-W	Latitude	Longitude
7192.00	1072.94	-1703.70	40.157171
6830.63	-1716.98	40.172076	-104.754148
-128.56	-1630.23	40.153872	-104.753885

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



Vertical Section at 345.89° (2000 usft/in)

WELL DETAILS: DAVIS 1S-9H-G266

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	DAVIS 1S-9H
0.00	0.00	1299849.10	3201796.50	40.154225	-104.778053	

CATHEDRAL



Crestone Peak Resources

DJ BASIN

S4-T2N-R66W

DAVIS 1S-9H-G266 - Slot DAVIS 1S-9H

OH

Plan: PLAN #3

Standard Planning Report

11 January, 2018

Cathedral Energy Services

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well DAVIS 1S-9H-G266 - Slot DAVIS 1S-9H
Company:	Crestone Peak Resources	TVD Reference:	23' KB @ 4940.00usft
Project:	DJ BASIN	MD Reference:	23' KB @ 4940.00usft
Site:	S4-T2N-R66W	North Reference:	True
Well:	DAVIS 1S-9H-G266	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	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 1S-9H-G266 - Slot DAVIS 1S-9H					
Well Position	+N/-S	-203.14 usft	Northing:	1,299,849.10 usft	Latitude:	40.154226
	+E/-W	405.11 usft	Easting:	3,201,796.50 usft	Longitude:	-104.778053
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	345.89

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	
250.00	0.00	0.00	250.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,035.42	15.71	239.12	1,025.62	-54.91	-91.83	2.00	2.00	0.00	239.12	
6,629.36	15.71	239.12	6,410.63	-832.19	-1,391.67	0.00	0.00	0.00	0.00	
7,843.76	90.00	356.50	7,192.00	-134.80	-1,629.83	8.00	6.12	9.67	116.50	
9,053.76	90.00	356.50	7,192.00	1,072.94	-1,703.70	0.00	0.00	0.00	0.00	DAVIS 1S TGT
9,287.09	90.00	0.00	7,192.00	1,306.13	-1,710.82	1.50	0.00	1.50	90.00	
10,787.09	90.00	0.00	7,192.00	2,806.13	-1,710.82	0.00	0.00	0.00	0.00	
10,834.91	90.00	0.96	7,192.00	2,853.94	-1,710.42	2.00	0.00	2.00	90.00	
14,168.62	90.00	0.96	7,192.00	6,187.19	-1,654.78	0.00	0.00	0.00	0.00	
14,816.44	90.00	348.00	7,192.00	6,830.63	-1,716.98	2.00	0.00	-2.00	-90.00	DAVIS 1S-9H-G266 E

Cathedral Energy Services

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well DAVIS 1S-9H-G266 - Slot DAVIS 1S-9H
Company:	Crestone Peak Resources	TVD Reference:	23' KB @ 4940.00usft
Project:	DJ BASIN	MD Reference:	23' KB @ 4940.00usft
Site:	S4-T2N-R66W	North Reference:	True
Well:	DAVIS 1S-9H-G266	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	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
250.00	0.00	0.00	250.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	1.00	239.12	300.00	-0.22	-0.37	-0.13	2.00	2.00	0.00
400.00	3.00	239.12	399.93	-2.01	-3.37	-1.13	2.00	2.00	0.00
500.00	5.00	239.12	499.68	-5.59	-9.36	-3.15	2.00	2.00	0.00
600.00	7.00	239.12	599.13	-10.96	-18.33	-6.16	2.00	2.00	0.00
700.00	9.00	239.12	698.15	-18.10	-30.27	-10.18	2.00	2.00	0.00
800.00	11.00	239.12	796.63	-27.01	-45.17	-15.19	2.00	2.00	0.00
900.00	13.00	239.12	894.44	-37.68	-63.02	-21.18	2.00	2.00	0.00
1,000.00	15.00	239.12	991.46	-50.10	-83.78	-28.16	2.00	2.00	0.00
1,035.42	15.71	239.12	1,025.62	-54.91	-91.83	-30.87	2.00	2.00	0.00
1,100.00	15.71	239.12	1,087.79	-63.88	-106.83	-35.91	0.00	0.00	0.00
1,200.00	15.71	239.12	1,184.05	-77.78	-130.07	-43.72	0.00	0.00	0.00
1,300.00	15.71	239.12	1,280.32	-91.67	-153.31	-51.54	0.00	0.00	0.00
1,400.00	15.71	239.12	1,376.58	-105.57	-176.54	-59.35	0.00	0.00	0.00
1,500.00	15.71	239.12	1,472.85	-119.47	-199.78	-67.16	0.00	0.00	0.00
1,600.00	15.71	239.12	1,569.11	-133.36	-223.02	-74.97	0.00	0.00	0.00
1,700.00	15.71	239.12	1,665.38	-147.26	-246.25	-82.78	0.00	0.00	0.00
1,800.00	15.71	239.12	1,761.64	-161.15	-269.49	-90.59	0.00	0.00	0.00
1,900.00	15.71	239.12	1,857.91	-175.05	-292.73	-98.40	0.00	0.00	0.00
2,000.00	15.71	239.12	1,954.17	-188.94	-315.96	-106.21	0.00	0.00	0.00
2,100.00	15.71	239.12	2,050.44	-202.84	-339.20	-114.02	0.00	0.00	0.00
2,200.00	15.71	239.12	2,146.70	-216.73	-362.44	-121.84	0.00	0.00	0.00
2,300.00	15.71	239.12	2,242.97	-230.63	-385.67	-129.65	0.00	0.00	0.00
2,400.00	15.71	239.12	2,339.23	-244.52	-408.91	-137.46	0.00	0.00	0.00
2,500.00	15.71	239.12	2,435.50	-258.42	-432.15	-145.27	0.00	0.00	0.00
2,600.00	15.71	239.12	2,531.76	-272.31	-455.38	-153.08	0.00	0.00	0.00
2,700.00	15.71	239.12	2,628.03	-286.21	-478.62	-160.89	0.00	0.00	0.00
2,800.00	15.71	239.12	2,724.29	-300.10	-501.86	-168.70	0.00	0.00	0.00
2,900.00	15.71	239.12	2,820.56	-314.00	-525.09	-176.51	0.00	0.00	0.00
3,000.00	15.71	239.12	2,916.82	-327.89	-548.33	-184.33	0.00	0.00	0.00
3,100.00	15.71	239.12	3,013.09	-341.79	-571.57	-192.14	0.00	0.00	0.00
3,200.00	15.71	239.12	3,109.35	-355.68	-594.80	-199.95	0.00	0.00	0.00
3,300.00	15.71	239.12	3,205.62	-369.58	-618.04	-207.76	0.00	0.00	0.00
3,400.00	15.71	239.12	3,301.89	-383.47	-641.28	-215.57	0.00	0.00	0.00
3,500.00	15.71	239.12	3,398.15	-397.37	-664.51	-223.38	0.00	0.00	0.00
3,600.00	15.71	239.12	3,494.42	-411.26	-687.75	-231.19	0.00	0.00	0.00
3,700.00	15.71	239.12	3,590.68	-425.16	-710.99	-239.00	0.00	0.00	0.00
3,800.00	15.71	239.12	3,686.95	-439.05	-734.22	-246.81	0.00	0.00	0.00
3,900.00	15.71	239.12	3,783.21	-452.95	-757.46	-254.63	0.00	0.00	0.00
4,000.00	15.71	239.12	3,879.48	-466.84	-780.70	-262.44	0.00	0.00	0.00
4,100.00	15.71	239.12	3,975.74	-480.74	-803.93	-270.25	0.00	0.00	0.00
4,200.00	15.71	239.12	4,072.01	-494.63	-827.17	-278.06	0.00	0.00	0.00
4,300.00	15.71	239.12	4,168.27	-508.53	-850.41	-285.87	0.00	0.00	0.00
4,400.00	15.71	239.12	4,264.54	-522.42	-873.64	-293.68	0.00	0.00	0.00
4,500.00	15.71	239.12	4,360.80	-536.32	-896.88	-301.49	0.00	0.00	0.00
4,600.00	15.71	239.12	4,457.07	-550.21	-920.12	-309.30	0.00	0.00	0.00
4,700.00	15.71	239.12	4,553.33	-564.11	-943.35	-317.11	0.00	0.00	0.00
4,800.00	15.71	239.12	4,649.60	-578.00	-966.59	-324.93	0.00	0.00	0.00
4,900.00	15.71	239.12	4,745.86	-591.90	-989.83	-332.74	0.00	0.00	0.00
5,000.00	15.71	239.12	4,842.13	-605.79	-1,013.06	-340.55	0.00	0.00	0.00
5,100.00	15.71	239.12	4,938.39	-619.69	-1,036.30	-348.36	0.00	0.00	0.00

Cathedral Energy Services

Planning Report

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Company:	Crestone Peak Resources	TVD Reference:	23' KB @ 4940.00usft
Project:	DJ BASIN	MD Reference:	23' KB @ 4940.00usft
Site:	S4-T2N-R66W	North Reference:	True
Well:	DAVIS 1S-9H-G266	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	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)
5,200.00	15.71	239.12	5,034.66	-633.58	-1,059.54	-356.17	0.00	0.00	0.00
5,300.00	15.71	239.12	5,130.92	-647.48	-1,082.77	-363.98	0.00	0.00	0.00
5,400.00	15.71	239.12	5,227.19	-661.37	-1,106.01	-371.79	0.00	0.00	0.00
5,500.00	15.71	239.12	5,323.45	-675.27	-1,129.25	-379.60	0.00	0.00	0.00
5,600.00	15.71	239.12	5,419.72	-689.16	-1,152.48	-387.42	0.00	0.00	0.00
5,700.00	15.71	239.12	5,515.98	-703.06	-1,175.72	-395.23	0.00	0.00	0.00
5,800.00	15.71	239.12	5,612.25	-716.95	-1,198.96	-403.04	0.00	0.00	0.00
5,900.00	15.71	239.12	5,708.52	-730.85	-1,222.19	-410.85	0.00	0.00	0.00
6,000.00	15.71	239.12	5,804.78	-744.74	-1,245.43	-418.66	0.00	0.00	0.00
6,100.00	15.71	239.12	5,901.05	-758.64	-1,268.67	-426.47	0.00	0.00	0.00
6,200.00	15.71	239.12	5,997.31	-772.53	-1,291.90	-434.28	0.00	0.00	0.00
6,300.00	15.71	239.12	6,093.58	-786.43	-1,315.14	-442.09	0.00	0.00	0.00
6,400.00	15.71	239.12	6,189.84	-800.32	-1,338.37	-449.90	0.00	0.00	0.00
6,500.00	15.71	239.12	6,286.11	-814.22	-1,361.61	-457.72	0.00	0.00	0.00
6,600.00	15.71	239.12	6,382.37	-828.11	-1,384.85	-465.53	0.00	0.00	0.00
6,629.36	15.71	239.12	6,410.63	-832.19	-1,391.67	-467.82	0.00	0.00	0.00
6,700.00	14.10	260.33	6,478.95	-838.55	-1,408.37	-469.91	8.00	-2.28	30.02
6,800.00	15.43	291.68	6,575.80	-835.68	-1,432.78	-461.18	8.00	1.33	31.35
6,900.00	20.07	313.36	6,671.11	-818.96	-1,457.65	-438.90	8.00	4.64	21.68
7,000.00	26.32	326.17	6,763.05	-788.71	-1,482.51	-403.51	8.00	6.25	12.81
7,100.00	33.28	334.14	6,849.80	-745.54	-1,506.85	-355.70	8.00	6.97	7.97
7,200.00	40.60	339.56	6,929.70	-690.27	-1,530.22	-296.40	8.00	7.31	5.42
7,300.00	48.10	343.55	7,001.17	-623.98	-1,552.16	-226.77	8.00	7.50	3.99
7,400.00	55.71	346.69	7,062.83	-547.96	-1,572.24	-148.15	8.00	7.61	3.14
7,500.00	63.38	349.31	7,113.49	-463.70	-1,590.07	-62.08	8.00	7.68	2.62
7,600.00	71.10	351.60	7,152.14	-372.83	-1,605.30	29.76	8.00	7.72	2.28
7,700.00	78.85	353.68	7,178.05	-277.12	-1,617.63	125.59	8.00	7.74	2.08
7,800.00	86.60	355.65	7,190.70	-178.44	-1,626.84	223.54	8.00	7.76	1.97
7,843.76	90.00	356.50	7,192.00	-134.80	-1,629.83	266.59	8.00	7.76	1.94
7,850.01	90.00	356.50	7,192.00	-128.56	-1,630.21	272.73	0.00	0.00	0.00
DAVIS 1S-9H-G266 TPZ									
7,900.00	90.00	356.50	7,192.00	-78.67	-1,633.26	321.86	0.00	0.00	0.00
8,000.00	90.00	356.50	7,192.00	21.14	-1,639.37	420.15	0.00	0.00	0.00
8,100.00	90.00	356.50	7,192.00	120.96	-1,645.47	518.45	0.00	0.00	0.00
8,200.00	90.00	356.50	7,192.00	220.77	-1,651.58	616.74	0.00	0.00	0.00
8,300.00	90.00	356.50	7,192.00	320.59	-1,657.68	715.03	0.00	0.00	0.00
8,400.00	90.00	356.50	7,192.00	420.40	-1,663.79	813.32	0.00	0.00	0.00
8,500.00	90.00	356.50	7,192.00	520.21	-1,669.89	911.61	0.00	0.00	0.00
8,600.00	90.00	356.50	7,192.00	620.03	-1,676.00	1,009.90	0.00	0.00	0.00
8,700.00	90.00	356.50	7,192.00	719.84	-1,682.10	1,108.19	0.00	0.00	0.00
8,800.00	90.00	356.50	7,192.00	819.65	-1,688.21	1,206.48	0.00	0.00	0.00
8,900.00	90.00	356.50	7,192.00	919.47	-1,694.31	1,304.77	0.00	0.00	0.00
9,000.00	90.00	356.50	7,192.00	1,019.28	-1,700.42	1,403.06	0.00	0.00	0.00
9,053.76	90.00	356.50	7,192.00	1,072.94	-1,703.70	1,455.90	0.00	0.00	0.00
DAVIS 1S TGT									
9,100.00	90.00	357.19	7,192.00	1,119.11	-1,706.24	1,501.30	1.50	0.00	1.50
9,200.00	90.00	358.69	7,192.00	1,219.04	-1,709.83	1,599.09	1.50	0.00	1.50
9,287.09	90.00	0.00	7,192.00	1,306.13	-1,710.82	1,683.79	1.50	0.00	1.50
9,300.00	90.00	0.00	7,192.00	1,319.03	-1,710.82	1,696.31	0.00	0.00	0.00
9,400.00	90.00	0.00	7,192.00	1,419.03	-1,710.82	1,793.29	0.00	0.00	0.00
9,500.00	90.00	0.00	7,192.00	1,519.03	-1,710.82	1,890.27	0.00	0.00	0.00
9,600.00	90.00	0.00	7,192.00	1,619.03	-1,710.82	1,987.26	0.00	0.00	0.00
9,700.00	90.00	0.00	7,192.00	1,719.03	-1,710.82	2,084.24	0.00	0.00	0.00

Cathedral Energy Services

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well DAVIS 1S-9H-G266 - Slot DAVIS 1S-9H
Company:	Crestone Peak Resources	TVD Reference:	23' KB @ 4940.00usft
Project:	DJ BASIN	MD Reference:	23' KB @ 4940.00usft
Site:	S4-T2N-R66W	North Reference:	True
Well:	DAVIS 1S-9H-G266	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	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)	
9,800.00	90.00	0.00	7,192.00	1,819.03	-1,710.82	2,181.22	0.00	0.00	0.00	
9,900.00	90.00	0.00	7,192.00	1,919.03	-1,710.82	2,278.20	0.00	0.00	0.00	
10,000.00	90.00	0.00	7,192.00	2,019.03	-1,710.82	2,375.19	0.00	0.00	0.00	
10,100.00	90.00	0.00	7,192.00	2,119.03	-1,710.82	2,472.17	0.00	0.00	0.00	
10,200.00	90.00	0.00	7,192.00	2,219.03	-1,710.82	2,569.15	0.00	0.00	0.00	
10,300.00	90.00	0.00	7,192.00	2,319.03	-1,710.82	2,666.14	0.00	0.00	0.00	
10,400.00	90.00	0.00	7,192.00	2,419.03	-1,710.82	2,763.12	0.00	0.00	0.00	
10,500.00	90.00	0.00	7,192.00	2,519.03	-1,710.82	2,860.10	0.00	0.00	0.00	
10,600.00	90.00	0.00	7,192.00	2,619.03	-1,710.82	2,957.09	0.00	0.00	0.00	
10,700.00	90.00	0.00	7,192.00	2,719.03	-1,710.82	3,054.07	0.00	0.00	0.00	
10,787.09	90.00	0.00	7,192.00	2,806.13	-1,710.82	3,138.53	0.00	0.00	0.00	
10,800.00	90.00	0.26	7,192.00	2,819.03	-1,710.79	3,151.04	2.00	0.00	2.00	
10,834.91	90.00	0.96	7,192.00	2,853.94	-1,710.42	3,184.81	2.00	0.00	2.00	
10,900.00	90.00	0.96	7,192.00	2,919.02	-1,709.34	3,247.66	0.00	0.00	0.00	
11,000.00	90.00	0.96	7,192.00	3,019.01	-1,707.67	3,344.22	0.00	0.00	0.00	
11,100.00	90.00	0.96	7,192.00	3,119.00	-1,706.00	3,440.79	0.00	0.00	0.00	
11,200.00	90.00	0.96	7,192.00	3,218.98	-1,704.33	3,537.35	0.00	0.00	0.00	
11,300.00	90.00	0.96	7,192.00	3,318.97	-1,702.66	3,633.91	0.00	0.00	0.00	
11,400.00	90.00	0.96	7,192.00	3,418.95	-1,700.99	3,730.47	0.00	0.00	0.00	
11,500.00	90.00	0.96	7,192.00	3,518.94	-1,699.32	3,827.04	0.00	0.00	0.00	
11,600.00	90.00	0.96	7,192.00	3,618.93	-1,697.65	3,923.60	0.00	0.00	0.00	
11,700.00	90.00	0.96	7,192.00	3,718.91	-1,695.98	4,020.16	0.00	0.00	0.00	
11,800.00	90.00	0.96	7,192.00	3,818.90	-1,694.32	4,116.73	0.00	0.00	0.00	
11,900.00	90.00	0.96	7,192.00	3,918.88	-1,692.65	4,213.29	0.00	0.00	0.00	
12,000.00	90.00	0.96	7,192.00	4,018.87	-1,690.98	4,309.85	0.00	0.00	0.00	
12,100.00	90.00	0.96	7,192.00	4,118.86	-1,689.31	4,406.41	0.00	0.00	0.00	
12,200.00	90.00	0.96	7,192.00	4,218.84	-1,687.64	4,502.98	0.00	0.00	0.00	
12,300.00	90.00	0.96	7,192.00	4,318.83	-1,685.97	4,599.54	0.00	0.00	0.00	
12,400.00	90.00	0.96	7,192.00	4,418.81	-1,684.30	4,696.10	0.00	0.00	0.00	
12,500.00	90.00	0.96	7,192.00	4,518.80	-1,682.63	4,792.66	0.00	0.00	0.00	
12,600.00	90.00	0.96	7,192.00	4,618.79	-1,680.96	4,889.23	0.00	0.00	0.00	
12,700.00	90.00	0.96	7,192.00	4,718.77	-1,679.29	4,985.79	0.00	0.00	0.00	
12,800.00	90.00	0.96	7,192.00	4,818.76	-1,677.62	5,082.35	0.00	0.00	0.00	
12,900.00	90.00	0.96	7,192.00	4,918.74	-1,675.96	5,178.91	0.00	0.00	0.00	
13,000.00	90.00	0.96	7,192.00	5,018.73	-1,674.29	5,275.48	0.00	0.00	0.00	
13,100.00	90.00	0.96	7,192.00	5,118.72	-1,672.62	5,372.04	0.00	0.00	0.00	
13,200.00	90.00	0.96	7,192.00	5,218.70	-1,670.95	5,468.60	0.00	0.00	0.00	
13,300.00	90.00	0.96	7,192.00	5,318.69	-1,669.28	5,565.16	0.00	0.00	0.00	
13,400.00	90.00	0.96	7,192.00	5,418.67	-1,667.61	5,661.73	0.00	0.00	0.00	
13,500.00	90.00	0.96	7,192.00	5,518.66	-1,665.94	5,758.29	0.00	0.00	0.00	
13,600.00	90.00	0.96	7,192.00	5,618.65	-1,664.27	5,854.85	0.00	0.00	0.00	
13,700.00	90.00	0.96	7,192.00	5,718.63	-1,662.60	5,951.41	0.00	0.00	0.00	
13,800.00	90.00	0.96	7,192.00	5,818.62	-1,660.93	6,047.98	0.00	0.00	0.00	
13,900.00	90.00	0.96	7,192.00	5,918.61	-1,659.26	6,144.54	0.00	0.00	0.00	
14,000.00	90.00	0.96	7,192.00	6,018.59	-1,657.60	6,241.10	0.00	0.00	0.00	
14,100.00	90.00	0.96	7,192.00	6,118.58	-1,655.93	6,337.67	0.00	0.00	0.00	
14,168.62	90.00	0.96	7,192.00	6,187.19	-1,654.78	6,403.93	0.00	0.00	0.00	
14,200.00	90.00	0.33	7,192.00	6,218.57	-1,654.43	6,434.27	2.00	0.00	-2.00	
14,300.00	90.00	358.33	7,192.00	6,318.55	-1,655.60	6,531.53	2.00	0.00	-2.00	
14,400.00	90.00	356.33	7,192.00	6,418.44	-1,660.26	6,629.54	2.00	0.00	-2.00	
14,500.00	90.00	354.33	7,192.00	6,518.10	-1,668.40	6,728.18	2.00	0.00	-2.00	
14,600.00	90.00	352.33	7,192.00	6,617.42	-1,680.02	6,827.33	2.00	0.00	-2.00	
14,700.00	90.00	350.33	7,192.00	6,716.27	-1,695.10	6,926.88	2.00	0.00	-2.00	
14,800.00	90.00	348.33	7,192.00	6,814.54	-1,713.61	7,026.69	2.00	0.00	-2.00	

Cathedral Energy Services

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well DAVIS 1S-9H-G266 - Slot DAVIS 1S-9H
Company:	Crestone Peak Resources	TVD Reference:	23' KB @ 4940.00usft
Project:	DJ BASIN	MD Reference:	23' KB @ 4940.00usft
Site:	S4-T2N-R66W	North Reference:	True
Well:	DAVIS 1S-9H-G266	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	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)
14,816.44	90.00	348.00	7,192.00	6,830.63	-1,716.98	7,043.12	2.00	0.00	-2.00
DAVIS 1S-9H-G266 BHL									

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 1S-9H-G266 TP2 - plan misses target center by 0.02usft at 7850.01usft MD (7192.00 TVD, -128.56 N, -1630.21 E) - Point	0.00	0.00	7,192.00	-128.56	-1,630.23	1,299,707.27	3,200,167.37	40.153872	-104.783885
DAVIS 1S TGT - plan hits target center - Point	0.00	0.00	7,192.00	1,072.94	-1,703.70	1,300,908.13	3,200,084.12	40.157171	-104.784148
DAVIS 1S-9H-G266 BHL - plan hits target center - Point	0.00	0.00	7,192.00	6,830.63	-1,716.98	1,306,665.52	3,200,023.96	40.172976	-104.784197