



CRESTONE PEAK  
RESOURCES

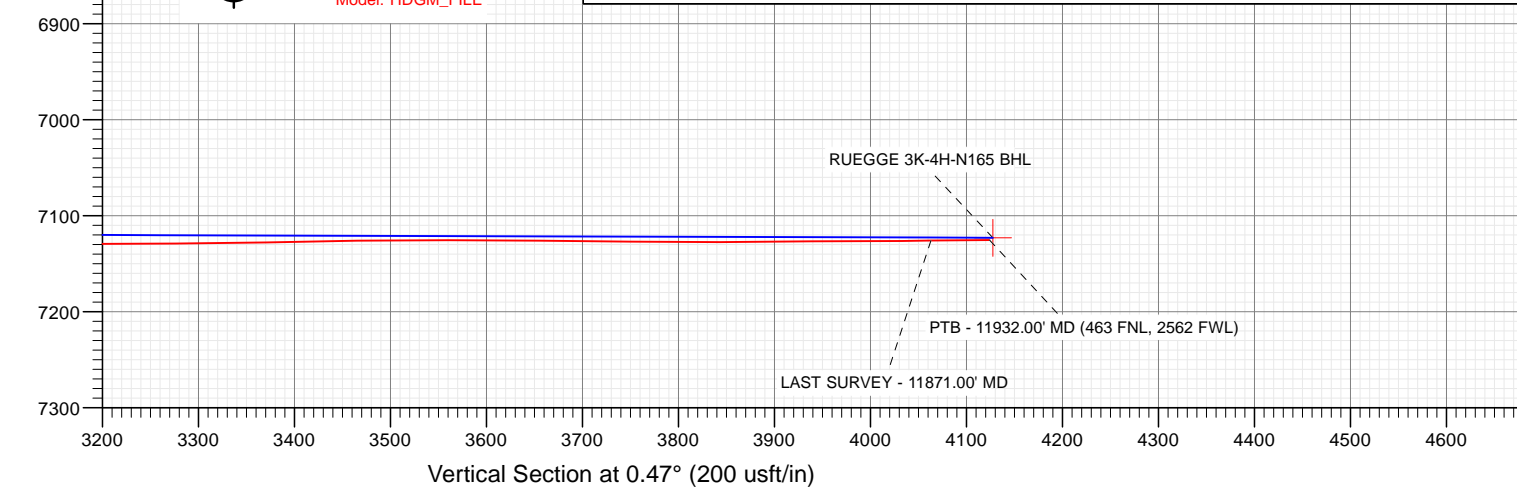
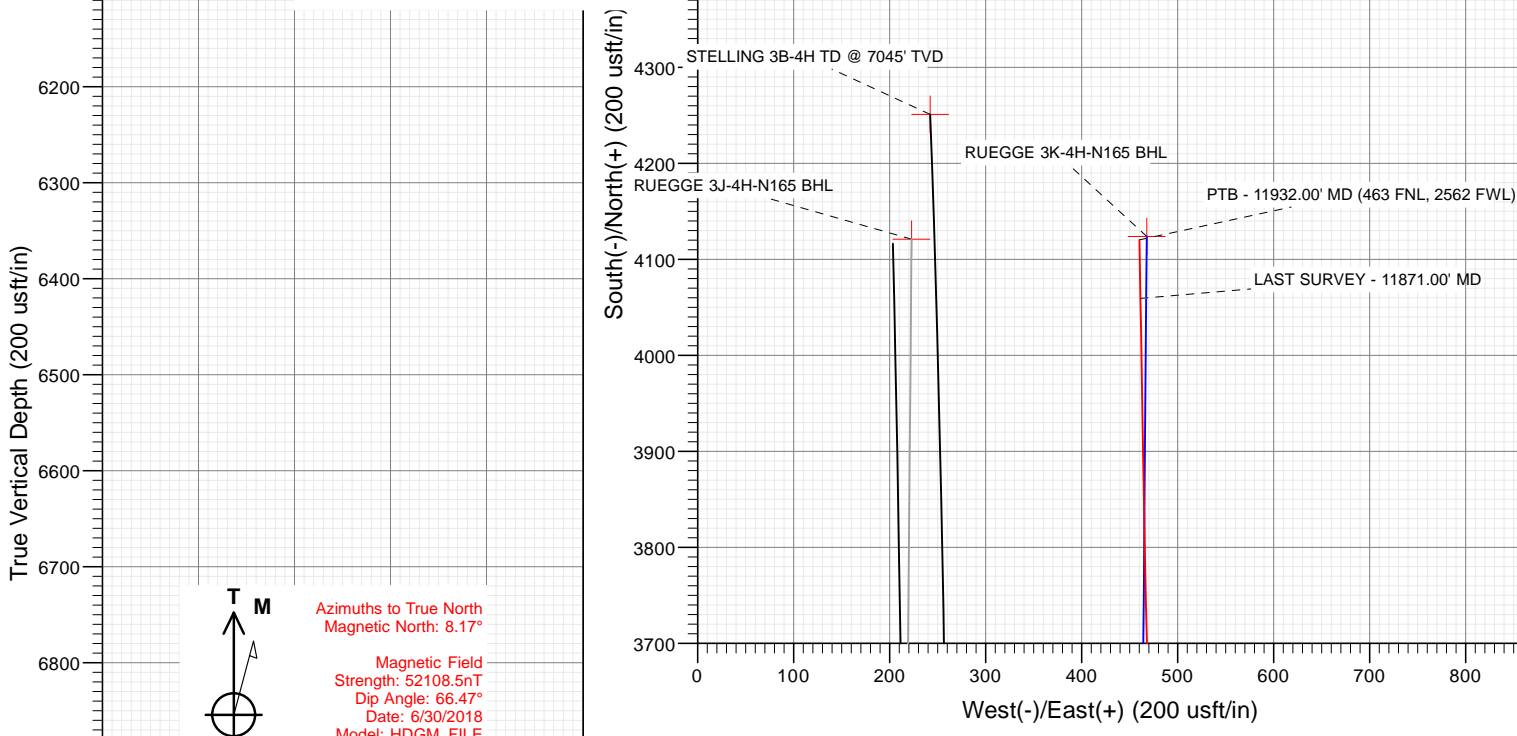
SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	150.00	0.00	0.00	150.00	0.00	0.00	0.00	0.00	0.00	
3	644.72	9.89	158.68	642.27	-39.69	15.49	2.00	158.68	-39.57	
4	6354.65	9.89	158.68	6267.27	-953.70	372.25	0.00	0.00	-950.61	
5	7594.41	90.00	0.47	7096.00	-247.14	431.76	8.00	-157.91	-243.59	RUEGGE 3K-4H-N165 TPZ
6	9406.01	90.00	0.47	7096.00	1564.39	446.73	0.00	0.00	1568.00	RUEGGE 3K 1568' VS
7	9479.75	88.53	0.47	7096.95	1638.12	447.34	2.00	-180.00	1641.74	
8	10261.28	88.53	0.47	7117.06	2419.36	453.79	0.00	0.00	2423.01	
9	10326.29	89.83	0.47	7118.00	2484.36	454.33	2.00	0.00	2488.00	RUEGGE 3K 2488' VS
10	11965.98	89.83	0.47	7123.00	4123.99	467.87	0.00	0.00	4127.69	RUEGGE 3K-4H-N165 BHL

FINAL  
RUEGGE 3K-4H-N165  
360337 185089 362227 185190  
23 KB @ 4938.00usft  
Ground Level @ 4915.00  
North American Datum 1983  
Well RUEGGE 3K-4H-N165 - Slot RUEGGE 3K-4H-N165 SHL True North

Type	User	Target	No Target (Freehand)	Azimuth	Origin	Type	N/S	E/W	From	TVD
				0.47	Slot		0.00	0.00	0.00	
Name				TVD		+N/-S	+E/-W	Latitude		Longitude
RUEGGE 3K 1568' VS				7096.00		1564.39	446.73	40.079552		-104.669177
RUEGGE 3K-4H-N165 TPZ				7096.00		-247.14	431.76	40.074579		-104.669231
RUEGGE 3K 2488' VS				7118.00		2484.36	454.33	40.082077		-104.669150
RUEGGE 3K-4H-N165 BHL				7123.00		4123.99	467.87	40.086578		-104.669102

Project: DJ BASIN  
Site: S4-T1N-R65W (RUEGGE)  
Well: RUEGGE 3K-4H-N165  
Wellbore: OH  
Design: FINAL



WELL DETAILS: RUEGGE 3K-4H-N165

+N/-S	+E/-W	Northing	Easting	4915.00	Latitude	Longitude	Slot
0.00	0.00	1271346.18	3232050.98		40.075257	-104.670774	

CATHEDRAL



# Cathedral Energy Services

## Survey Report

<b>Company:</b>	Crestone Peak Resources	<b>Local Co-ordinate Reference:</b>	Well RUEGGE 3K-4H-N165 - Slot RUEGGE 3K-4
<b>Project:</b>	DJ BASIN	<b>TVD Reference:</b>	23' KB @ 4938.00usft
<b>Site:</b>	S4-T1N-R65W (RUEGGE)	<b>MD Reference:</b>	23' KB @ 4938.00usft
<b>Well:</b>	RUEGGE 3K-4H-N165	<b>North Reference:</b>	True
<b>Wellbore:</b>	OH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	FINAL	<b>Database:</b>	USA EDM 5000 Multi Users DB

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

Site		S4-T1N-R65W (RUEGGE)			
Site Position:		Northing:	1,271,333.68 usft	Latitude:	40.075225
From:	Map	Easting:	3,231,971.96 usft	Longitude:	-104.671056
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.54 °

Well	RUEGGE 3K-4H-N165 - Slot RUEGGE 3K-4H-N165 SHL					
Well Position	+N/-S	0.00 usft	Northing:	1,271,346.18 usft	Latitude:	40.075257
	+E/-W	0.00 usft	Easting:	3,232,050.98 usft	Longitude:	-104.670774
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	4,915.00 usft

<b>Wellbore</b>	OH				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	HDGM_FILE	6/30/2018	8.17	66.47	52,108.50000000

<b>Design</b>	FINAL				
<b>Audit Notes:</b>					
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (°)</b>	
	0.00	0.00	0.00	0.47	

<b>Survey Program</b>	<b>Date</b>	7/16/2018			
<b>From (usft)</b>	<b>To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
109.00	2,420.00	Survey #1 (OH)	VESSI_GYROFLEX	VESSI Gyroflex Gyro	
2,556.00	11,932.00	Survey #2 (OH)	MWD+HDGM	OWSG MWD + HDGM	

<b>Survey</b>									
<b>Measured Depth (usft)</b>	<b>Inclination (°)</b>	<b>Azimuth (°)</b>	<b>Vertical Depth (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Vertical Section (usft)</b>	<b>Dogleg Rate (°/100usf)</b>	<b>Build Rate (°/100u)</b>	<b>Formations / Comments</b>
10.00	0.00	0.00	10.00	0.00	0.00	0.00	0.00	0.00	
109.00	0.54	194.77	109.00	-0.45	-0.12	-0.45	0.55	0.55	
170.00	1.34	146.23	169.99	-1.32	0.20	-1.32	1.74	1.31	
232.00	2.74	135.95	231.95	-2.99	1.64	-2.98	2.32	2.26	
323.00	4.35	137.62	322.77	-7.10	5.48	-7.06	1.77	1.77	
390.00	5.46	154.88	389.53	-11.87	8.54	-11.80	2.74	1.66	
452.00	5.28	158.61	451.26	-17.19	10.84	-17.10	0.63	-0.29	
534.00	6.35	155.13	532.84	-24.82	14.12	-24.70	1.37	1.30	
619.00	7.13	163.68	617.25	-34.15	17.58	-34.00	1.49	0.92	
701.00	8.72	166.64	698.46	-45.08	20.44	-44.91	2.00	1.94	
785.00	8.67	165.69	781.50	-57.41	23.48	-57.22	0.18	-0.06	
868.00	10.07	160.96	863.39	-70.33	27.39	-70.11	1.92	1.69	

# Cathedral Energy Services

## Survey Report

<b>Company:</b>	Crestone Peak Resources	<b>Local Co-ordinate Reference:</b>	Well RUEGGE 3K-4H-N165 - Slot RUEGGE 3K-4
<b>Project:</b>	DJ BASIN	<b>TVD Reference:</b>	23' KB @ 4938.00usft
<b>Site:</b>	S4-T1N-R65W (RUEGGE)	<b>MD Reference:</b>	23' KB @ 4938.00usft
<b>Well:</b>	RUEGGE 3K-4H-N165	<b>North Reference:</b>	True
<b>Wellbore:</b>	OH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	FINAL	<b>Database:</b>	USA EDM 5000 Multi Users DB

### Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usf)	Build Rate (°/100u)	Formations / Comments
950.00	10.66	159.19	944.05	-84.20	32.43	-83.93	0.82	0.72	
1,032.00	9.66	157.68	1,024.77	-97.65	37.73	-97.34	1.26	-1.22	
1,115.00	11.14	156.63	1,106.40	-111.46	43.56	-111.09	1.80	1.78	
1,198.00	11.33	157.22	1,187.81	-126.33	49.90	-125.92	0.27	0.23	
1,281.00	11.36	157.43	1,269.19	-141.40	56.19	-140.93	0.06	0.04	
1,363.00	10.85	154.73	1,349.65	-155.84	62.59	-155.32	0.89	-0.62	
1,446.00	10.75	155.87	1,431.18	-169.96	69.09	-169.39	0.28	-0.12	
1,529.00	11.16	160.83	1,512.67	-184.62	74.89	-184.00	1.24	0.49	
1,612.00	10.34	165.64	1,594.22	-199.42	79.37	-198.76	1.46	-0.99	
1,696.00	10.26	167.09	1,676.86	-214.01	82.91	-213.33	0.32	-0.10	
1,781.00	10.86	167.14	1,760.42	-229.20	86.39	-228.48	0.71	0.71	
1,862.00	10.15	166.25	1,840.06	-243.57	89.78	-242.83	0.90	-0.88	
1,943.00	9.41	161.24	1,919.89	-256.77	93.61	-256.00	1.39	-0.91	
2,024.00	8.60	158.35	1,999.89	-268.67	97.97	-267.86	1.15	-1.00	
2,114.00	9.20	153.40	2,088.81	-281.36	103.68	-280.50	1.08	0.67	
2,203.00	8.50	151.56	2,176.75	-293.51	109.99	-292.59	0.85	-0.79	
2,293.00	8.87	146.97	2,265.72	-305.17	116.94	-304.20	0.87	0.41	
2,383.00	9.67	148.76	2,354.54	-317.45	124.65	-316.42	0.94	0.89	
2,420.00	9.87	147.55	2,391.00	-322.79	127.96	-321.73	0.77	0.54	
2,556.00	9.40	148.52	2,525.08	-342.09	140.01	-340.93	0.37	-0.35	
2,651.00	9.89	155.47	2,618.74	-356.13	147.45	-354.91	1.33	0.52	
2,745.00	8.48	154.41	2,711.54	-369.73	153.80	-368.45	1.51	-1.50	
2,840.00	9.58	152.83	2,805.36	-383.08	160.43	-381.75	1.19	1.16	
2,934.00	9.05	160.39	2,898.12	-397.00	166.49	-395.62	1.42	-0.56	
3,029.00	10.33	165.57	2,991.77	-412.29	171.12	-410.87	1.63	1.35	
3,123.00	9.10	165.40	3,084.42	-427.65	175.09	-426.20	1.31	-1.31	
3,229.00	11.16	168.91	3,188.76	-445.83	179.18	-444.34	2.03	1.94	
3,324.00	9.93	161.62	3,282.16	-462.62	183.53	-461.10	1.91	-1.29	
3,418.00	11.07	160.21	3,374.58	-478.81	189.14	-477.24	1.24	1.21	
3,513.00	9.27	157.05	3,468.09	-494.44	195.21	-492.82	1.98	-1.89	
3,608.00	9.93	163.20	3,561.76	-509.32	200.56	-507.66	1.28	0.69	
3,702.00	11.51	166.72	3,654.12	-526.21	205.06	-524.51	1.82	1.68	
3,797.00	9.14	165.57	3,747.57	-542.75	209.12	-541.01	2.50	-2.49	
3,892.00	9.71	159.68	3,841.29	-557.57	213.78	-555.79	1.18	0.60	
3,986.00	10.90	158.63	3,933.77	-573.28	219.77	-571.46	1.28	1.27	
4,081.00	11.69	158.63	4,026.93	-590.61	226.55	-588.73	0.83	0.83	
4,175.00	10.64	157.40	4,119.15	-607.49	233.36	-605.55	1.15	-1.12	
4,270.00	10.20	158.10	4,212.58	-623.39	239.87	-621.40	0.48	-0.46	
4,364.00	8.92	161.79	4,305.28	-638.03	245.25	-636.00	1.51	-1.36	
4,459.00	9.23	159.42	4,399.09	-652.16	250.23	-650.09	0.51	0.33	
4,554.00	12.66	156.52	4,492.35	-668.85	257.06	-666.72	3.66	3.61	
4,649.00	10.81	154.50	4,585.36	-686.44	265.04	-684.24	1.99	-1.95	
4,743.00	8.97	152.92	4,677.96	-700.92	272.17	-698.66	1.98	-1.96	
4,838.00	11.21	157.40	4,771.48	-716.04	279.09	-713.73	2.50	2.36	
4,933.00	8.97	157.75	4,865.01	-731.42	285.45	-729.06	2.36	-2.36	
5,028.00	9.19	164.78	4,958.82	-745.60	290.24	-743.19	1.19	0.23	
5,122.00	11.25	159.42	5,051.33	-761.43	295.44	-758.98	2.41	2.19	
5,217.00	9.71	150.10	5,144.75	-777.05	302.69	-774.54	2.41	-1.62	
5,312.00	10.59	146.50	5,238.26	-791.28	311.50	-788.69	1.14	0.93	
5,406.00	11.73	154.06	5,330.48	-807.07	320.45	-804.42	1.97	1.21	
5,501.00	9.76	149.75	5,423.82	-822.71	328.73	-819.99	2.24	-2.07	
5,595.00	9.76	163.73	5,516.47	-837.25	334.98	-834.47	2.52	0.00	
5,689.00	9.05	170.23	5,609.21	-852.18	338.46	-849.38	1.36	-0.76	

# Cathedral Energy Services

## Survey Report

<b>Company:</b>	Crestone Peak Resources	<b>Local Co-ordinate Reference:</b>	Well RUEGGE 3K-4H-N165 - Slot RUEGGE 3K-4
<b>Project:</b>	DJ BASIN	<b>TVD Reference:</b>	23' KB @ 4938.00usft
<b>Site:</b>	S4-T1N-R65W (RUEGGE)	<b>MD Reference:</b>	23' KB @ 4938.00usft
<b>Well:</b>	RUEGGE 3K-4H-N165	<b>North Reference:</b>	True
<b>Wellbore:</b>	OH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	FINAL	<b>Database:</b>	USA EDM 5000 Multi Users DB

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usf)	Build Rate (°/100u)	Formations / Comments
5,784.00	9.84	167.77	5,702.92	-867.48	341.45	-864.65	0.93	0.83	
5,879.00	9.19	168.03	5,796.61	-882.83	344.74	-879.98	0.69	-0.68	
5,973.00	9.80	168.39	5,889.32	-898.01	347.91	-895.13	0.65	0.65	
6,068.00	9.14	166.10	5,983.03	-913.26	351.35	-910.34	0.80	-0.69	
6,163.00	7.82	163.20	6,076.99	-926.77	355.03	-923.83	1.46	-1.39	
6,257.00	6.15	158.01	6,170.29	-937.56	358.77	-934.59	1.90	-1.78	
6,352.00	10.99	126.99	6,264.25	-947.74	367.91	-944.69	6.87	5.09	
6,446.00	15.86	93.33	6,355.78	-953.89	387.94	-950.67	9.59	5.18	
6,540.00	19.16	64.50	6,445.58	-947.98	414.74	-944.55	9.75	3.51	
6,635.00	21.18	40.06	6,534.91	-928.10	439.90	-924.46	9.05	2.13	
6,730.00	23.86	17.92	6,622.82	-896.62	456.89	-892.84	9.30	2.82	
6,825.00	29.36	7.46	6,707.77	-855.19	465.84	-851.34	7.59	5.79	
6,920.00	36.39	5.96	6,787.51	-804.00	471.80	-800.11	7.45	7.40	
7,014.00	45.09	5.79	6,858.66	-743.04	478.06	-739.09	9.26	9.26	
7,109.00	55.28	4.82	6,919.41	-670.47	484.75	-666.47	10.75	10.73	
7,203.00	66.27	2.18	6,965.24	-588.72	489.65	-584.68	11.94	11.69	
7,298.00	75.54	358.40	6,996.29	-499.07	490.02	-495.03	10.46	9.76	
7,393.00	78.71	356.82	7,017.46	-406.55	486.15	-402.55	3.71	3.34	
7,487.00	78.40	356.21	7,036.11	-314.59	480.55	-310.64	0.72	-0.33	
7,556.19	77.15	355.64	7,050.76	-247.14	475.75	-243.23	1.97	-1.80	TPZ - 7556.19 (460 FSL, 2613 FWL)
7,582.00	76.69	355.42	7,056.60	-222.08	473.79	-218.18	1.97	-1.80	
7,677.00	80.64	355.68	7,075.27	-129.23	466.56	-125.40	4.17	4.16	
7,772.00	85.30	356.30	7,086.89	-35.20	459.97	-31.43	4.95	4.91	
7,866.00	87.58	357.00	7,092.73	58.45	454.49	62.18	2.54	2.43	
7,961.00	88.24	359.72	7,096.19	153.34	451.78	157.04	2.94	0.69	
8,055.00	87.50	352.34	7,099.69	246.98	445.28	250.63	7.88	-0.79	
8,150.00	89.30	355.33	7,102.35	341.38	435.08	344.94	3.67	1.89	
8,245.00	90.13	356.12	7,102.82	436.12	428.00	439.61	1.21	0.87	
8,340.00	91.45	358.14	7,101.51	530.98	423.25	534.43	2.54	1.39	
8,434.00	91.71	0.51	7,098.92	624.93	422.14	628.37	2.54	0.28	
8,529.00	93.96	359.90	7,094.22	719.81	422.48	723.25	2.45	2.37	
8,624.00	93.52	0.78	7,088.02	814.60	423.04	818.05	1.03	-0.46	
8,719.00	91.63	358.84	7,083.75	909.50	422.73	912.93	2.85	-1.99	
8,813.00	89.12	359.81	7,083.14	1,003.48	421.62	1,006.91	2.86	-2.67	
8,908.00	88.07	358.67	7,085.47	1,098.44	420.36	1,101.85	1.63	-1.11	
9,002.00	88.59	1.13	7,088.21	1,192.39	420.20	1,195.80	2.67	0.55	
9,097.00	89.34	0.95	7,089.92	1,287.36	421.92	1,290.78	0.81	0.79	
9,191.00	89.47	4.64	7,090.90	1,381.23	426.50	1,384.68	3.93	0.14	
9,286.00	89.52	4.03	7,091.74	1,475.95	433.68	1,479.46	0.64	0.05	
9,381.00	90.26	4.03	7,091.92	1,570.72	440.36	1,574.28	0.78	0.78	
9,475.00	86.97	1.04	7,094.19	1,664.57	444.52	1,668.16	4.73	-3.50	
9,570.00	86.44	0.51	7,099.65	1,759.41	445.80	1,763.00	0.79	-0.56	
9,665.00	88.33	2.10	7,103.99	1,854.28	447.96	1,857.89	2.60	1.99	
9,760.00	89.03	2.27	7,106.17	1,949.18	451.58	1,952.82	0.76	0.74	
9,854.00	89.74	1.74	7,107.18	2,043.12	454.87	2,046.78	0.94	0.76	
9,949.00	90.31	1.31	7,107.14	2,138.08	457.40	2,141.76	0.75	0.60	
10,043.00	89.12	1.39	7,107.61	2,232.05	459.61	2,235.75	1.27	-1.27	
10,138.00	90.40	1.31	7,108.01	2,327.02	461.85	2,330.73	1.35	1.35	
10,233.00	87.72	1.31	7,109.57	2,421.98	464.02	2,425.70	2.82	-2.82	
10,327.00	88.24	1.22	7,112.88	2,515.90	466.10	2,519.64	0.56	0.55	
10,422.00	88.33	1.04	7,115.72	2,610.84	467.97	2,614.59	0.21	0.09	
10,517.00	88.07	0.69	7,118.71	2,705.78	469.40	2,709.54	0.46	-0.27	
10,612.00	88.20	0.34	7,121.80	2,800.72	470.26	2,804.49	0.39	0.14	

# Cathedral Energy Services

## Survey Report

<b>Company:</b>	Crestone Peak Resources	<b>Local Co-ordinate Reference:</b>	Well RUEGGE 3K-4H-N165 - Slot RUEGGE 3K-4
<b>Project:</b>	DJ BASIN	<b>TVD Reference:</b>	23' KB @ 4938.00usft
<b>Site:</b>	S4-T1N-R65W (RUEGGE)	<b>MD Reference:</b>	23' KB @ 4938.00usft
<b>Well:</b>	RUEGGE 3K-4H-N165	<b>North Reference:</b>	True
<b>Wellbore:</b>	OH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	FINAL	<b>Database:</b>	USA EDM 5000 Multi Users DB

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usf)	Build Rate (°/100u)	Formations / Comments
10,706.00	88.29	0.07	7,124.68	2,894.68	470.59	2,898.44	0.30	0.10	
10,801.00	88.37	359.81	7,127.45	2,989.64	470.49	2,993.40	0.29	0.08	
10,896.00	89.69	1.04	7,129.05	3,084.62	471.20	3,088.38	1.90	1.39	
10,990.00	90.00	0.34	7,129.31	3,178.61	472.33	3,182.38	0.81	0.33	
11,084.00	90.31	359.64	7,129.05	3,272.61	472.31	3,276.37	0.81	0.33	
11,179.00	91.10	0.25	7,127.89	3,367.60	472.22	3,371.36	1.05	0.83	
11,273.00	91.01	359.90	7,126.15	3,461.58	472.34	3,465.34	0.38	-0.10	
11,368.00	89.82	358.67	7,125.47	3,556.57	471.16	3,560.32	1.80	-1.25	
11,463.00	89.52	358.84	7,126.01	3,651.55	469.10	3,655.27	0.36	-0.32	
11,557.00	89.21	358.58	7,127.06	3,745.52	466.98	3,749.22	0.43	-0.33	
11,651.00	90.35	359.02	7,127.42	3,839.49	465.01	3,843.18	1.30	1.21	
11,746.00	90.40	359.11	7,126.79	3,934.48	463.46	3,938.15	0.11	0.05	
11,841.00	90.31	359.02	7,126.21	4,029.46	461.91	4,033.12	0.13	-0.09	
11,871.00	90.66	359.02	7,125.95	4,059.46	461.40	4,063.11	1.17	1.17	LAST SURVEY - 11871.00' MD
11,932.00	90.66	359.02	7,125.25	4,120.45	460.35	4,124.08	0.00	0.00	PTB - 11932.00' MD (463 FNL, 2562 FWL)

Targets									
Target Name	- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	
- Shape									Latitude Longitude
RUEGGE 3K-4H-N165 1	- actual wellpath misses target center by 61.65usft at 7569.77usft MD (7053.81 TVD, -233.95 N, 474.73 E)	0.00	0.00	7,096.00	-247.14	431.76	1,271,103.09	3,232,485.03	40.074579 -104.669231
- Point									
RUEGGE 3K-4H-N165 E	- actual wellpath misses target center by 8.61usft at 11932.00usft MD (7125.25 TVD, 4120.45 N, 460.35 E)	0.00	0.00	7,123.00	4,123.99	467.87	1,275,474.36	3,232,480.27	40.086578 -104.669102
- Point									
RUEGGE 3K 2488' VS	- actual wellpath misses target center by 12.67usft at 10295.41usft MD (7111.86 TVD, 2484.33 N, 465.42 E)	0.00	0.00	7,118.00	2,484.36	454.33	1,273,834.68	3,232,482.06	40.082077 -104.669150
- Point									
RUEGGE 3K 1568' VS	- actual wellpath misses target center by 7.92usft at 9375.15usft MD (7091.94 TVD, 1564.88 N, 439.95 E)	0.00	0.00	7,096.00	1,564.39	446.73	1,272,914.68	3,232,483.06	40.079552 -104.669177
- Point									

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
7,556.19	7,050.76	-247.14	475.75	TPZ - 7556.19 (460 FSL, 2613 FWL)	
11,871.00	7,125.95	4,059.46	461.40	LAST SURVEY - 11871.00' MD	
11,932.00	7,125.25	4,120.45	460.35	PTB - 11932.00' MD (463 FNL, 2562 FWL)	

Checked By: _____	Approved By: _____	Date: _____
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