

CRESTONE PEAK RESOURCES

WELD COUNTY

SEC 25-T4N-R65W

SHELTON 25W-25-01

OWB

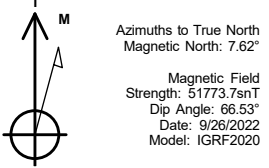
Design: FINAL SURVEY

Standard Survey Report

07 February, 2023

Project: WELD COUNTY
Site: SEC 25-T4N-R65W
Well: SHELTON 25W-25-01
Wellbore: OWB
Design: FINAL SURVEY

PROJECT DETAILS: WELD COUNTY
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Colorado Northern Zone
System Datum: Mean Sea Level

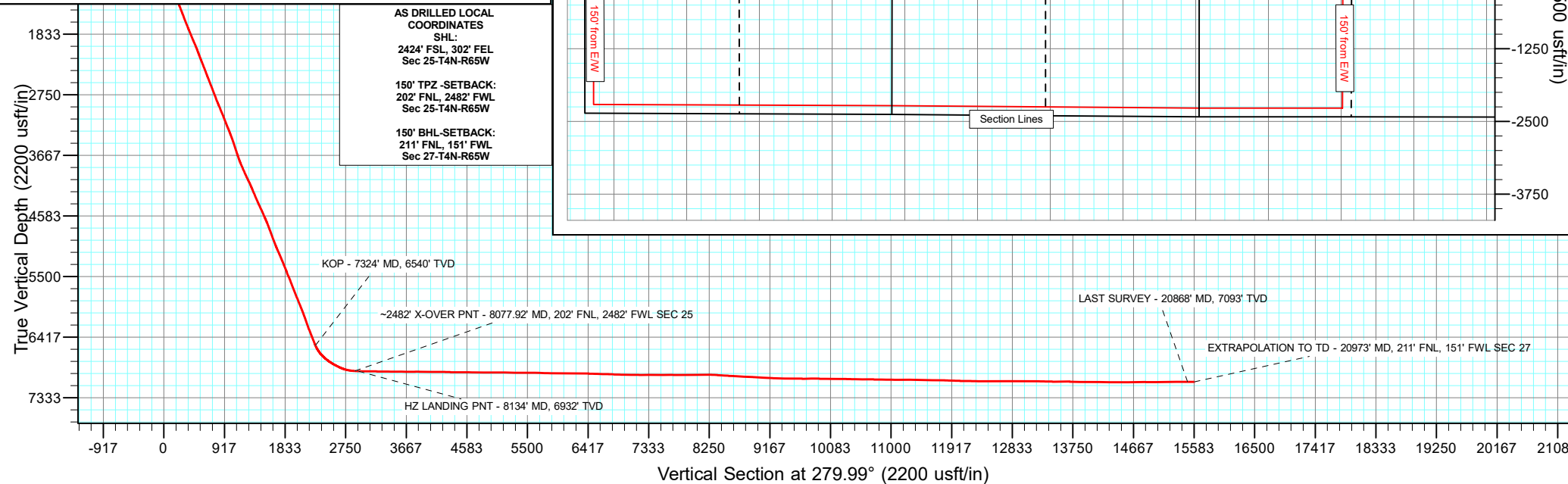
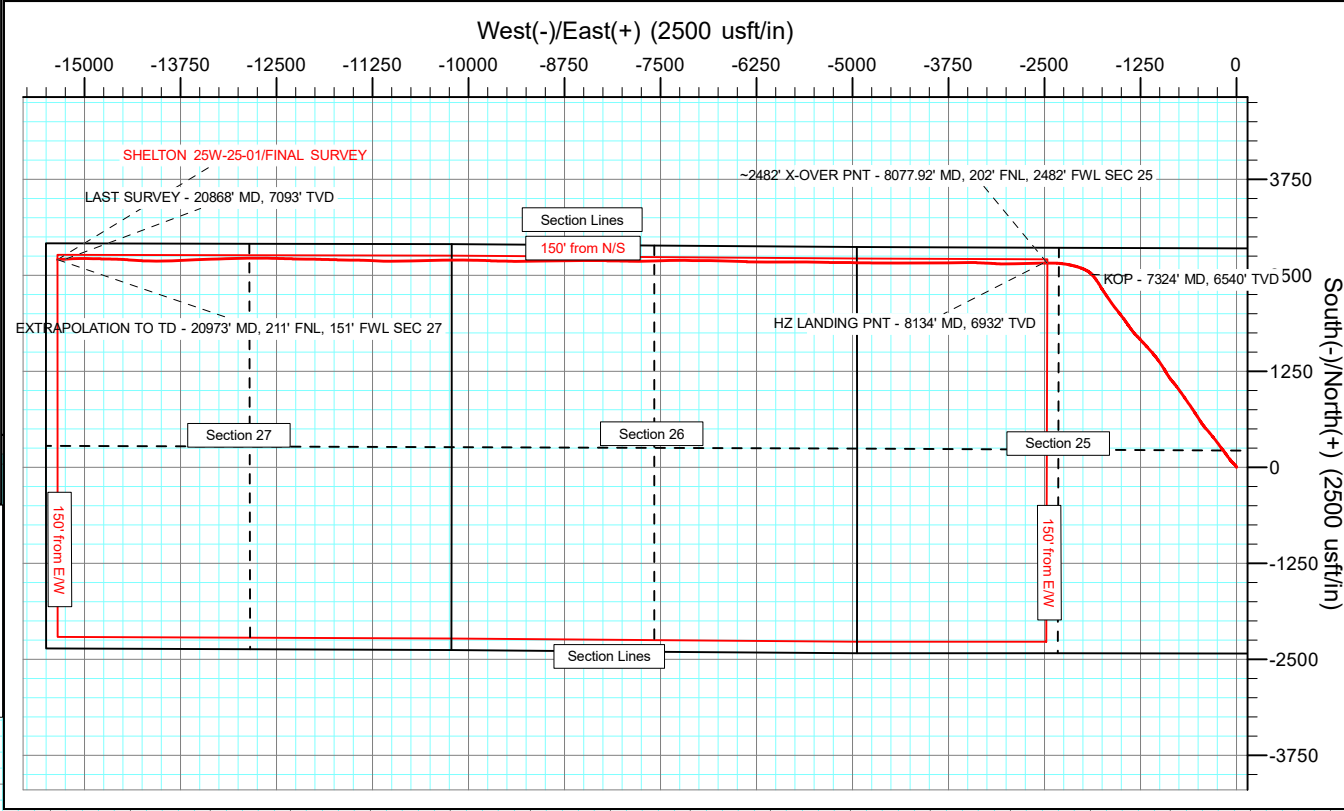
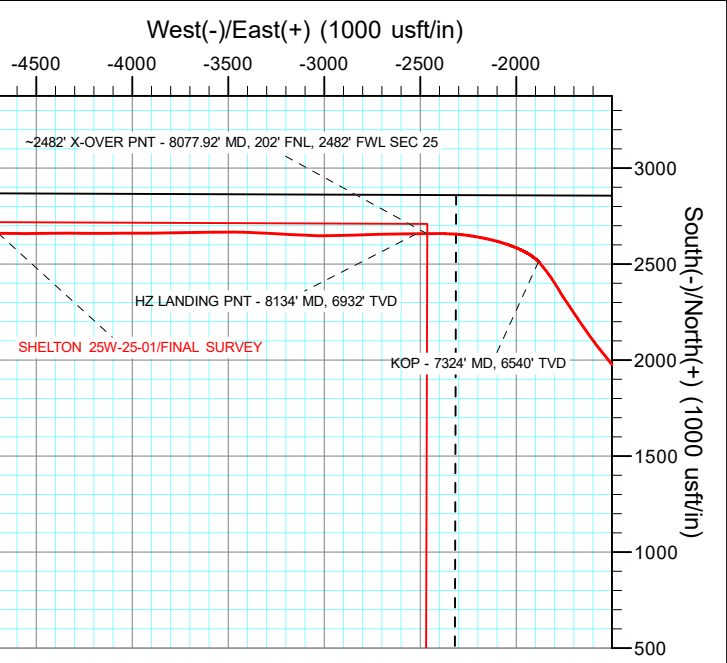


WELL DETAILS: SHELTON 25W-25-01

+N/-S	+E/-W	Northing	Easting	4836.00	Latitude	Longitude	Slot
0.00	0.00	1347063.65	3250143.84		40.282618°N	104.603388°W	

ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect	Departure	Annotation
7324.00	28.70	315.93	6540.34	2513.32	-1883.67	2291.05	3148.08	KOP - 7324' MD, 6540' TVD
8077.92	86.22	269.20	6929.11	2659.00	-2463.06	2886.93	3757.72	~2482' X-OVER PNT - 8077.92' MD, 202' FNL, 2482' FWL SEC 25
8134.00	87.56	269.57	6932.16	2658.40	-2519.05	2941.97	3813.70	HZ LANDING PNT - 8134' MD, 6932' TVD
20868.00	89.83	266.40	7092.78	2710.05	-15245.30	15484.28	16544.49	LAST SURVEY - 20868' MD, 7093' TVD
20973.00	89.83	266.40	7093.09	2703.46	-15350.10	15586.34	16649.48	EXTRAPOLATION TO TD - 20973' MD, 211' FNL, 151' FWL SEC 27



Survey Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-01
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4861.00usft
Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4861.00usft
Well:	SHELTON 25W-25-01	North Reference:	True
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	FINAL SURVEY	Database:	EDT_32Bit_ODBC

Project	WELD COUNTY		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Northern Zone		Using geodetic scale factor

Site		SEC 25-T4N-R65W			
Site Position:		Northing:	1,344,643.82 usft	Latitude:	40.275967°N
From:	Lat/Long	Easting:	3,250,457.11 usft	Longitude:	104.602353°W
Position Uncertainty:	0.00 usft	Slot Radius:	13.200 in	Grid Convergence:	0.58 °

Well	SHELTON 25W-25-01					
Well Position	+N/-S	0.00 usft	Northing:	1,347,063.65 usft	Latitude:	40.282618°N
	+E/-W	0.00 usft	Easting:	3,250,143.84 usft	Longitude:	104.603388°W
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	4,836.00 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	9/26/2022	7.62	66.53	51,773.71031267

Design	FINAL SURVEY				
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		279.99

Survey Program	Date	2/7/2023			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
183.00	1,873.00	SURFACE (OWB)	MWD OWSG	OWSG MWD - Standard	
1,960.00	20,973.00	FINAL SURVEY (OWB)	MWD OWSG	OWSG MWD - Standard	

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
183.00	0.40	315.60	183.00	0.46	-0.45	0.52	0.22	0.22	0.00	
287.00	1.90	335.50	286.97	2.28	-1.42	1.79	1.47	1.44	19.13	
377.00	3.60	341.00	376.87	6.31	-2.95	4.01	1.91	1.89	6.11	
469.00	6.40	330.20	468.51	13.50	-6.44	8.69	3.20	3.04	-11.74	
561.00	9.10	325.40	559.66	23.94	-13.12	17.08	3.02	2.93	-5.22	
652.00	11.40	314.90	649.21	36.21	-23.58	29.51	3.25	2.53	-11.54	
744.00	13.60	313.10	739.03	50.02	-37.92	46.03	2.43	2.39	-1.96	
836.00	15.40	315.40	828.09	66.11	-54.40	65.04	2.05	1.96	2.50	
926.00	17.70	321.70	914.37	85.36	-71.27	85.00	3.24	2.56	7.00	

Survey Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-01
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4861.00usft
Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4861.00usft
Well:	SHELTON 25W-25-01	North Reference:	True
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	FINAL SURVEY	Database:	EDT_32Bit_ODBC

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
1,019.00	21.20	322.50	1,002.05	109.80	-90.28	107.96	3.77	3.76	0.86
1,111.00	21.20	323.30	1,087.82	136.34	-110.35	132.32	0.31	0.00	0.87
1,201.00	22.50	324.20	1,171.35	163.35	-130.15	156.51	1.49	1.44	1.00
1,291.00	24.80	324.30	1,253.79	192.65	-151.24	182.36	2.56	2.56	0.11
1,381.00	24.90	321.30	1,335.46	222.77	-174.10	210.10	1.41	0.11	-3.33
1,472.00	27.80	323.50	1,417.00	254.79	-198.71	239.89	3.36	3.19	2.42
1,563.00	28.30	323.50	1,497.31	289.19	-224.16	270.92	0.55	0.55	0.00
1,652.00	27.40	323.10	1,576.00	322.52	-249.00	301.17	1.03	-1.01	-0.45
1,744.00	27.50	321.70	1,657.64	356.12	-274.88	332.48	0.71	0.11	-1.52
1,834.00	28.00	321.70	1,737.29	389.01	-300.85	363.76	0.56	0.56	0.00
1,873.00	29.00	320.30	1,771.56	403.46	-312.56	377.81	3.08	2.56	-3.59
1,960.00	29.17	321.40	1,847.59	436.26	-339.26	409.79	0.64	0.20	1.26
2,055.00	28.64	318.92	1,930.76	471.52	-368.67	444.87	1.38	-0.56	-2.61
2,150.00	28.09	317.69	2,014.36	505.22	-398.69	480.27	0.84	-0.58	-1.29
2,245.00	27.05	322.06	2,098.58	538.80	-427.03	514.01	2.39	-1.09	4.60
2,340.00	28.51	326.53	2,182.63	574.75	-452.81	545.64	2.68	1.54	4.71
2,436.00	30.78	327.42	2,266.06	614.57	-478.68	578.02	2.41	2.36	0.93
2,530.00	29.88	327.01	2,347.20	654.48	-504.38	610.26	0.98	-0.96	-0.44
2,624.00	28.39	326.15	2,429.30	692.68	-529.58	641.70	1.65	-1.59	-0.91
2,719.00	30.47	327.54	2,512.04	731.76	-555.09	673.60	2.30	2.19	1.46
2,814.00	29.47	326.10	2,594.33	771.48	-581.05	706.06	1.30	-1.05	-1.52
2,909.00	28.67	324.92	2,677.37	809.53	-607.18	738.39	1.04	-0.84	-1.24
3,004.00	28.76	325.05	2,760.68	846.91	-633.37	770.67	0.12	0.09	0.14
3,099.00	28.58	324.74	2,844.04	884.20	-659.58	802.95	0.25	-0.19	-0.33
3,194.00	31.06	325.14	2,926.45	922.87	-686.71	836.38	2.62	2.61	0.42
3,290.00	30.29	324.90	3,009.02	963.00	-714.79	870.99	0.81	-0.80	-0.25
3,384.00	28.80	324.03	3,090.79	1,000.72	-741.72	904.06	1.65	-1.59	-0.93
3,479.00	27.68	323.16	3,174.49	1,036.90	-768.39	936.60	1.26	-1.18	-0.92
3,574.00	29.48	321.88	3,257.91	1,072.95	-796.06	970.09	2.00	1.89	-1.35
3,692.00	26.01	319.17	3,362.33	1,115.39	-830.91	1,011.78	3.13	-2.94	-2.30
3,882.00	24.92	326.25	3,533.91	1,180.21	-880.40	1,071.76	1.70	-0.57	3.73
3,977.00	26.12	328.19	3,619.64	1,214.62	-902.54	1,099.54	1.54	1.26	2.04
4,072.00	28.48	329.83	3,704.05	1,251.98	-924.95	1,128.09	2.61	2.48	1.73
4,167.00	31.56	327.27	3,786.30	1,292.49	-949.78	1,159.57	3.51	3.24	-2.69
4,262.00	32.37	326.25	3,866.90	1,334.55	-977.35	1,194.02	1.02	0.85	-1.07
4,357.00	32.67	325.58	3,947.00	1,376.85	-1,005.98	1,229.54	0.49	0.32	-0.71
4,452.00	33.65	322.25	4,026.54	1,418.81	-1,036.59	1,266.97	2.18	1.03	-3.51
4,546.00	31.23	321.07	4,105.86	1,458.37	-1,067.85	1,304.62	2.66	-2.57	-1.26
4,642.00	28.47	319.00	4,189.12	1,495.01	-1,098.51	1,341.16	3.07	-2.87	-2.16
4,832.00	28.66	318.04	4,355.99	1,563.06	-1,158.68	1,412.23	0.26	0.10	-0.51
4,927.00	30.67	316.89	4,438.54	1,597.70	-1,190.47	1,449.55	2.20	2.12	-1.21
5,022.00	28.77	315.60	4,521.04	1,631.72	-1,223.03	1,487.52	2.11	-2.00	-1.36
5,117.00	29.59	318.27	4,603.99	1,665.56	-1,254.64	1,524.52	1.62	0.86	2.81

Survey Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-01
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4861.00usft
Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4861.00usft
Well:	SHELTON 25W-25-01	North Reference:	True
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	FINAL SURVEY	Database:	EDT_32Bit_ODBC

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,211.00	26.12	313.71	4,687.09	1,697.20	-1,285.06	1,559.96	4.33	-3.69	-4.85
5,305.00	25.33	317.65	4,771.78	1,726.36	-1,313.56	1,593.09	2.00	-0.84	4.19
5,400.00	26.07	321.73	4,857.39	1,757.77	-1,340.19	1,624.76	2.02	0.78	4.29
5,496.00	27.33	322.64	4,943.15	1,791.85	-1,366.63	1,656.71	1.38	1.31	0.95
5,591.00	28.95	324.48	5,026.92	1,827.90	-1,393.22	1,689.15	1.93	1.71	1.94
5,685.00	32.58	325.66	5,107.68	1,867.32	-1,420.72	1,723.08	3.91	3.86	1.26
5,876.00	28.88	322.49	5,271.84	1,946.41	-1,477.84	1,793.05	2.11	-1.94	-1.66
5,970.00	30.16	323.02	5,353.64	1,983.28	-1,505.87	1,827.04	1.39	1.36	0.56
6,064.00	28.05	321.30	5,435.77	2,019.40	-1,533.89	1,860.91	2.41	-2.24	-1.83
6,158.00	27.97	320.86	5,518.76	2,053.74	-1,561.63	1,894.18	0.24	-0.09	-0.47
6,254.00	27.52	323.65	5,603.72	2,089.07	-1,588.99	1,927.25	1.43	-0.47	2.91
6,349.00	28.59	323.84	5,687.56	2,125.10	-1,615.41	1,959.52	1.13	1.13	0.20
6,443.00	29.38	324.97	5,769.78	2,162.14	-1,641.91	1,992.05	1.02	0.84	1.20
6,538.00	29.99	325.56	5,852.32	2,200.80	-1,668.72	2,025.15	0.71	0.64	0.62
6,632.00	31.30	326.57	5,933.19	2,240.56	-1,695.46	2,058.38	1.50	1.39	1.07
6,822.00	27.72	325.77	6,098.51	2,318.31	-1,747.52	2,123.15	1.90	-1.88	-0.42
6,916.00	27.98	329.65	6,181.63	2,355.41	-1,770.96	2,152.67	1.95	0.28	4.13
7,011.00	28.67	327.73	6,265.26	2,393.91	-1,794.39	2,182.42	1.20	0.73	-2.02
7,106.00	29.41	325.39	6,348.32	2,432.38	-1,819.81	2,214.12	1.43	0.78	-2.46
7,201.00	28.34	321.75	6,431.51	2,469.29	-1,847.02	2,247.32	2.17	-1.13	-3.83
7,295.00	27.12	320.08	6,514.72	2,503.25	-1,874.58	2,280.36	1.54	-1.30	-1.78
7,324.00	28.70	315.93	6,540.34	2,513.32	-1,883.67	2,291.05	8.63	5.45	-14.30
KOP - 7324' MD, 6540' TVD									
7,390.00	32.69	307.96	6,597.11	2,535.69	-1,908.76	2,319.65	8.63	6.05	-12.08
7,485.00	42.16	297.14	6,672.55	2,566.12	-1,957.53	2,372.95	12.10	9.97	-11.39
7,580.00	50.10	290.63	6,738.37	2,593.56	-2,020.14	2,439.37	9.70	8.36	-6.85
7,674.00	56.60	285.79	6,794.47	2,616.97	-2,091.74	2,513.95	8.05	6.91	-5.15
7,768.00	62.14	281.53	6,842.36	2,635.98	-2,170.30	2,594.62	7.07	5.89	-4.53
7,863.00	66.35	277.76	6,883.65	2,650.26	-2,254.62	2,680.14	5.69	4.43	-3.97
7,958.00	77.31	272.48	6,913.24	2,658.16	-2,344.36	2,769.89	12.68	11.54	-5.56
8,053.00	85.62	269.04	6,927.34	2,659.38	-2,438.21	2,862.52	9.45	8.75	-3.62
8,077.92	86.22	269.20	6,929.11	2,659.00	-2,463.06	2,886.93	2.48	2.39	0.65
~2482' X-OVER PNT - 8077.92' MD, 202' FNL, 2482' FWL SEC 25									
8,134.00	87.56	269.57	6,932.16	2,658.40	-2,519.05	2,941.97	2.48	2.39	0.65
HZ LANDING PNT - 8134' MD, 6932' TVD									
8,148.00	87.89	269.66	6,932.71	2,658.30	-2,533.04	2,955.73	2.48	2.39	0.65
8,242.00	89.07	269.22	6,935.21	2,657.39	-2,627.00	3,048.11	1.34	1.26	-0.47
8,336.00	90.49	268.30	6,935.57	2,655.35	-2,720.97	3,140.30	1.80	1.51	-0.98
8,431.00	88.95	268.76	6,936.03	2,652.91	-2,815.94	3,233.41	1.69	-1.62	0.48
8,526.00	89.84	267.28	6,937.03	2,649.63	-2,910.87	3,326.33	1.82	0.94	-1.56
8,621.00	88.87	270.81	6,938.10	2,648.05	-3,005.84	3,419.58	3.85	-1.02	3.72
8,716.00	90.64	272.57	6,938.51	2,650.85	-3,100.79	3,513.58	2.63	1.86	1.85
8,811.00	88.44	273.19	6,939.27	2,655.62	-3,195.66	3,607.84	2.41	-2.32	0.65
8,906.00	89.65	272.97	6,940.86	2,660.73	-3,290.51	3,702.14	1.29	1.27	-0.23

Survey Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-01
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4861.00usft
Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4861.00usft
Well:	SHELTON 25W-25-01	North Reference:	True
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	FINAL SURVEY	Database:	EDT_32Bit_ODBC

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
9,001.00	90.99	272.27	6,940.33	2,665.07	-3,385.40	3,796.35	1.59	1.41	-0.74
9,096.00	88.38	270.50	6,940.85	2,667.36	-3,480.36	3,890.26	3.32	-2.75	-1.86
9,190.00	88.91	269.21	6,943.07	2,667.13	-3,574.33	3,982.77	1.48	0.56	-1.37
9,285.00	89.65	268.91	6,944.26	2,665.57	-3,669.31	4,076.04	0.84	0.78	-0.32
9,380.00	90.75	267.98	6,943.93	2,662.99	-3,764.27	4,169.11	1.52	1.16	-0.98
9,475.00	88.14	270.73	6,944.85	2,661.92	-3,859.25	4,262.46	3.99	-2.75	2.89
9,569.00	89.01	269.70	6,947.19	2,662.27	-3,953.21	4,355.07	1.43	0.93	-1.10
9,664.00	89.72	269.81	6,948.24	2,661.87	-4,048.21	4,448.55	0.76	0.75	0.12
9,759.00	90.65	269.11	6,947.94	2,660.97	-4,143.20	4,541.95	1.23	0.98	-0.74
9,854.00	88.30	270.61	6,948.81	2,660.74	-4,238.19	4,635.45	2.93	-2.47	1.58
9,948.00	89.06	269.89	6,950.97	2,661.15	-4,332.16	4,728.07	1.11	0.81	-0.77
10,044.00	89.99	269.73	6,951.77	2,660.83	-4,428.15	4,822.56	0.98	0.97	-0.17
10,138.00	90.97	269.02	6,950.98	2,659.81	-4,522.14	4,914.94	1.29	1.04	-0.76
10,233.00	89.14	270.94	6,950.89	2,659.77	-4,617.14	5,008.49	2.79	-1.93	2.02
10,329.00	90.25	271.21	6,951.40	2,661.57	-4,713.12	5,103.33	1.19	1.16	0.28
10,422.00	87.99	270.66	6,952.83	2,663.09	-4,806.09	5,195.15	2.50	-2.43	-0.59
10,517.00	88.84	270.54	6,955.46	2,664.09	-4,901.04	5,288.84	0.90	0.89	-0.13
10,611.00	89.48	270.98	6,956.84	2,665.33	-4,995.02	5,381.62	0.83	0.68	0.47
10,706.00	90.05	269.86	6,957.22	2,666.03	-5,090.02	5,475.29	1.32	0.60	-1.18
10,801.00	90.76	269.46	6,956.55	2,665.47	-5,185.01	5,568.75	0.86	0.75	-0.42
10,896.00	88.23	272.06	6,957.39	2,666.72	-5,279.99	5,662.50	3.82	-2.66	2.74
10,991.00	88.51	271.60	6,960.09	2,669.76	-5,374.90	5,756.50	0.57	0.29	-0.48
11,086.00	88.69	271.59	6,962.41	2,672.40	-5,469.83	5,850.45	0.19	0.19	-0.01
11,181.00	89.11	270.55	6,964.24	2,674.17	-5,564.80	5,944.29	1.18	0.44	-1.09
11,275.00	89.82	269.90	6,965.12	2,674.54	-5,658.79	6,036.92	1.02	0.76	-0.69
11,370.00	90.44	270.00	6,964.90	2,674.46	-5,753.79	6,130.47	0.66	0.65	0.11
11,465.00	88.68	270.02	6,965.63	2,674.48	-5,848.79	6,224.02	1.85	-1.85	0.02
11,560.00	89.10	269.82	6,967.47	2,674.34	-5,943.77	6,317.54	0.49	0.44	-0.21
11,654.00	89.57	268.89	6,968.56	2,673.29	-6,037.75	6,409.92	1.11	0.50	-0.99
11,750.00	87.47	271.54	6,971.04	2,673.64	-6,133.71	6,504.48	3.52	-2.19	2.76
11,845.00	88.35	270.81	6,974.51	2,675.59	-6,228.62	6,598.30	1.20	0.93	-0.77
11,939.00	88.95	270.29	6,976.72	2,676.49	-6,322.59	6,691.00	0.84	0.64	-0.55
12,034.00	87.64	272.59	6,979.55	2,678.88	-6,417.51	6,784.89	2.79	-1.38	2.42
12,130.00	88.16	272.21	6,983.06	2,682.90	-6,513.36	6,879.99	0.67	0.54	-0.40
12,225.00	88.78	271.96	6,985.60	2,686.35	-6,608.26	6,974.05	0.70	0.65	-0.26
12,320.00	89.11	270.86	6,987.35	2,688.69	-6,703.22	7,067.97	1.21	0.35	-1.16
12,416.00	89.58	271.55	6,988.45	2,690.71	-6,799.19	7,162.84	0.87	0.49	0.72
12,511.00	89.98	270.27	6,988.81	2,692.22	-6,894.17	7,256.64	1.41	0.42	-1.35
12,606.00	90.58	269.49	6,988.35	2,692.02	-6,989.17	7,350.17	1.04	0.63	-0.82
12,701.00	89.38	271.06	6,988.38	2,692.47	-7,084.17	7,443.80	2.08	-1.26	1.65
12,796.00	89.78	270.71	6,989.08	2,693.94	-7,179.15	7,537.60	0.56	0.42	-0.37
12,891.00	90.83	270.66	6,988.57	2,695.08	-7,274.14	7,631.35	1.11	1.11	-0.05
12,986.00	88.54	268.71	6,989.09	2,694.55	-7,369.13	7,724.80	3.17	-2.41	-2.05

Survey Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-01
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4861.00usft
Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4861.00usft
Well:	SHELTON 25W-25-01	North Reference:	True
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	FINAL SURVEY	Database:	EDT_32Bit_ODBC

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
13,081.00	90.18	268.24	6,990.16	2,692.03	-7,464.09	7,817.88	1.80	1.73	-0.49	
13,177.00	91.19	266.58	6,989.01	2,687.69	-7,559.98	7,911.57	2.02	1.05	-1.73	
13,272.00	90.48	269.58	6,987.62	2,684.51	-7,654.90	8,004.50	3.24	-0.75	3.16	
13,367.00	90.91	268.40	6,986.47	2,682.83	-7,749.88	8,097.75	1.32	0.45	-1.24	
13,462.00	90.44	271.69	6,985.35	2,682.91	-7,844.86	8,191.30	3.50	-0.49	3.46	
13,557.00	88.27	271.48	6,986.42	2,685.53	-7,939.81	8,285.27	2.29	-2.28	-0.22	
13,653.00	85.99	271.16	6,991.23	2,687.74	-8,035.66	8,380.05	2.40	-2.37	-0.33	
13,748.00	86.22	270.71	6,997.68	2,689.29	-8,130.42	8,473.65	0.53	0.24	-0.47	
13,843.00	87.33	270.50	7,003.02	2,690.29	-8,225.27	8,567.23	1.19	1.17	-0.22	
13,939.00	86.35	269.99	7,008.32	2,690.70	-8,321.12	8,661.70	1.15	-1.02	-0.53	
14,033.00	86.94	269.89	7,013.82	2,690.60	-8,414.96	8,754.10	0.64	0.63	-0.11	
14,129.00	87.65	270.09	7,018.35	2,690.59	-8,510.85	8,848.53	0.77	0.74	0.21	
14,223.00	86.35	270.40	7,023.27	2,690.99	-8,604.72	8,941.05	1.42	-1.38	0.33	
14,317.00	87.03	269.93	7,028.69	2,691.26	-8,698.56	9,033.51	0.88	0.72	-0.50	
14,413.00	87.40	269.28	7,033.36	2,690.60	-8,794.44	9,127.83	0.78	0.39	-0.68	
14,508.00	87.64	268.74	7,037.47	2,688.96	-8,889.34	9,221.00	0.62	0.25	-0.57	
14,603.00	88.04	268.94	7,041.05	2,687.03	-8,984.25	9,314.14	0.47	0.42	0.21	
14,698.00	88.82	269.37	7,043.65	2,685.63	-9,079.21	9,407.41	0.94	0.82	0.45	
14,793.00	89.50	269.44	7,045.05	2,684.65	-9,174.19	9,500.79	0.72	0.72	0.07	
14,888.00	89.84	268.01	7,045.59	2,682.53	-9,269.16	9,593.95	1.55	0.36	-1.51	
14,983.00	89.74	270.43	7,045.94	2,681.24	-9,364.15	9,687.27	2.55	-0.11	2.55	
15,077.00	91.19	272.62	7,045.18	2,683.74	-9,458.10	9,780.24	2.79	1.54	2.33	
15,172.00	88.85	270.47	7,045.15	2,686.30	-9,553.05	9,874.20	3.34	-2.46	-2.26	
15,268.00	90.09	271.53	7,046.03	2,687.98	-9,649.03	9,969.01	1.70	1.29	1.10	
15,362.00	88.65	272.32	7,047.07	2,691.14	-9,742.97	10,062.07	1.75	-1.53	0.84	
15,457.00	89.26	271.88	7,048.80	2,694.62	-9,837.89	10,156.16	0.79	0.64	-0.46	
15,553.00	90.11	271.05	7,049.33	2,697.07	-9,933.86	10,251.09	1.24	0.89	-0.86	
15,647.00	88.08	270.78	7,050.81	2,698.57	-10,027.83	10,343.90	2.18	-2.16	-0.29	
15,741.00	88.39	269.72	7,053.71	2,698.98	-10,121.78	10,436.50	1.17	0.33	-1.13	
15,835.00	89.48	269.77	7,055.45	2,698.56	-10,215.76	10,528.98	1.16	1.16	0.05	
15,931.00	90.57	268.54	7,055.41	2,697.15	-10,311.75	10,623.27	1.71	1.14	-1.28	
16,025.00	88.48	268.95	7,056.19	2,695.09	-10,405.72	10,715.46	2.27	-2.22	0.44	
16,120.00	89.83	269.03	7,057.59	2,693.41	-10,500.69	10,808.70	1.42	1.42	0.08	
16,216.00	88.29	269.40	7,059.17	2,692.10	-10,596.66	10,902.99	1.65	-1.60	0.39	
16,311.00	89.58	268.76	7,060.93	2,690.57	-10,691.63	10,996.26	1.52	1.36	-0.67	
16,406.00	89.79	266.53	7,061.46	2,686.67	-10,786.55	11,089.05	2.36	0.22	-2.35	
16,501.00	89.40	269.72	7,062.13	2,683.56	-10,881.48	11,182.01	3.38	-0.41	3.36	
16,596.00	91.00	269.59	7,061.80	2,682.99	-10,976.47	11,275.47	1.69	1.68	-0.14	
16,691.00	88.20	271.49	7,062.46	2,683.89	-11,071.45	11,369.16	3.56	-2.95	2.00	
16,785.00	88.65	272.85	7,065.04	2,687.44	-11,165.35	11,462.25	1.52	0.48	1.45	
16,975.00	89.19	272.17	7,068.62	2,695.76	-11,355.13	11,650.60	0.46	0.28	-0.36	
17,070.00	90.39	270.60	7,068.97	2,698.06	-11,450.10	11,744.52	2.08	1.26	-1.65	
17,165.00	87.08	270.60	7,071.07	2,699.05	-11,545.06	11,838.22	3.48	-3.48	0.00	

Survey Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-01
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4861.00usft
Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4861.00usft
Well:	SHELTON 25W-25-01	North Reference:	True
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	FINAL SURVEY	Database:	EDT_32Bit_ODBC

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
17,260.00	87.71	271.40	7,075.39	2,700.71	-11,639.94	11,931.95	1.07	0.66	0.84	
17,355.00	88.60	271.81	7,078.45	2,703.37	-11,734.85	12,025.89	1.03	0.94	0.43	
17,450.00	89.92	270.34	7,079.67	2,705.15	-11,829.83	12,119.73	2.08	1.39	-1.55	
17,545.00	88.39	272.79	7,081.07	2,707.74	-11,924.77	12,213.68	3.04	-1.61	2.58	
17,641.00	88.81	270.59	7,083.42	2,710.57	-12,020.69	12,308.64	2.33	0.44	-2.29	
17,736.00	90.43	270.50	7,084.05	2,711.48	-12,115.68	12,402.35	1.71	1.71	-0.09	
17,831.00	89.56	271.25	7,084.06	2,712.93	-12,210.67	12,496.15	1.21	-0.92	0.79	
17,926.00	91.53	271.57	7,083.15	2,715.27	-12,305.63	12,590.08	2.10	2.07	0.34	
18,021.00	89.24	271.15	7,082.52	2,717.52	-12,400.60	12,683.99	2.45	-2.41	-0.44	
18,116.00	89.38	271.94	7,083.66	2,720.08	-12,495.56	12,777.95	0.84	0.15	0.83	
18,211.00	90.66	271.57	7,083.63	2,722.99	-12,590.51	12,871.97	1.40	1.35	-0.39	
18,305.00	89.40	270.53	7,083.58	2,724.71	-12,684.49	12,964.83	1.74	-1.34	-1.11	
18,400.00	89.54	268.77	7,084.46	2,724.13	-12,779.48	13,058.28	1.86	0.15	-1.85	
18,494.00	90.59	269.93	7,084.35	2,723.07	-12,873.47	13,150.66	1.66	1.12	1.23	
18,589.00	88.23	268.93	7,085.33	2,722.12	-12,968.45	13,244.04	2.70	-2.48	-1.05	
18,683.00	88.72	268.03	7,087.83	2,719.63	-13,062.39	13,336.12	1.09	0.52	-0.96	
18,778.00	89.07	268.09	7,089.66	2,716.41	-13,157.31	13,429.05	0.37	0.37	0.06	
18,873.00	90.13	269.03	7,090.33	2,714.03	-13,252.28	13,522.16	1.49	1.12	0.99	
18,968.00	90.93	268.35	7,089.45	2,711.86	-13,347.25	13,615.31	1.11	0.84	-0.72	
19,063.00	88.33	268.23	7,090.06	2,709.02	-13,442.20	13,708.33	2.74	-2.74	-0.13	
19,159.00	88.26	267.66	7,092.92	2,705.58	-13,538.09	13,802.17	0.60	-0.07	-0.59	
19,252.00	88.75	267.57	7,095.34	2,701.71	-13,630.98	13,892.98	0.54	0.53	-0.10	
19,348.00	90.18	263.98	7,096.24	2,694.64	-13,726.70	13,986.02	4.03	1.49	-3.74	
19,443.00	90.00	268.29	7,096.09	2,688.24	-13,821.46	14,078.24	4.54	-0.19	4.54	
19,538.00	89.08	269.17	7,096.85	2,686.13	-13,916.43	14,171.40	1.34	-0.97	0.93	
19,633.00	88.96	271.25	7,098.48	2,686.48	-14,011.41	14,265.00	2.19	-0.13	2.19	
19,728.00	89.92	270.14	7,099.41	2,687.63	-14,106.40	14,358.75	1.54	1.01	-1.17	
19,823.00	89.64	270.94	7,099.77	2,688.53	-14,201.39	14,452.46	0.89	-0.29	0.84	
19,919.00	90.12	273.63	7,099.97	2,692.36	-14,297.30	14,547.58	2.85	0.50	2.80	
20,014.00	91.09	274.50	7,098.97	2,699.09	-14,392.06	14,642.07	1.37	1.02	0.92	
20,109.00	91.69	273.53	7,096.66	2,705.74	-14,486.79	14,736.52	1.20	0.63	-1.02	
20,204.00	89.03	272.26	7,096.07	2,710.54	-14,581.66	14,830.78	3.10	-2.80	-1.34	
20,299.00	89.38	270.33	7,097.39	2,712.68	-14,676.62	14,924.68	2.06	0.37	-2.03	
20,394.00	90.34	271.81	7,097.62	2,714.46	-14,771.60	15,018.53	1.86	1.01	1.56	
20,489.00	90.98	270.46	7,096.52	2,716.34	-14,866.58	15,112.39	1.57	0.67	-1.42	
20,584.00	91.56	271.16	7,094.42	2,717.68	-14,961.54	15,206.15	0.96	0.61	0.74	
20,678.00	91.37	269.26	7,092.01	2,718.03	-15,055.51	15,298.75	2.03	-0.20	-2.02	
20,773.00	88.94	267.36	7,091.76	2,715.22	-15,150.45	15,391.77	3.25	-2.56	-2.00	
20,868.00	89.83	266.40	7,092.78	2,710.05	-15,245.30	15,484.28	1.38	0.94	-1.01	
LAST SURVEY - 20868' MD, 7093' TVD										
20,973.00	89.83	266.40	7,093.09	2,703.46	-15,350.10	15,586.35	0.00	0.00	0.00	
EXTRAPOLATION TO TD - 20973' MD, 211' FNL, 151' FWL SEC 27										

Survey Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-01
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4861.00usft
Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4861.00usft
Well:	SHELTON 25W-25-01	North Reference:	True
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	FINAL SURVEY	Database:	EDT_32Bit_ODBC

Design Targets									
Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
LP-SHELTON 25W-01	0.00	0.00	6,930.00	2,695.62	-2,463.06	1,349,734.11	3,247,653.75	40.290017°N	104.612217°W
- actual wellpath misses target center by 36.63usft at 8077.43usft MD (6929.08 TVD, 2659.00 N, -2462.57 E)									
- Point									
PBHL-SHELTON 25W-0	0.00	0.00	7,090.00	2,749.80	-15,351.36	1,349,657.98	3,234,766.12	40.290153°N	104.658416°W
- actual wellpath misses target center by 46.43usft at 20971.34usft MD (7093.08 TVD, 2703.56 N, -15348.44 E)									
- Point									

Design Annotations					
Measured Depth	Vertical Depth	Local Coordinates			
(usft)	(usft)	+N/-S	+E/-W	Comment	
(usft)	(usft)	(usft)	(usft)		
7,324.00	6,540.34	2,513.32	-1,883.67	KOP - 7324' MD, 6540' TVD	
8,077.92	6,929.11	2,659.00	-2,463.06	~2482' X-OVER PNT - 8077.92' MD, 202' FNL, 2482' FWL SEC 25	
8,134.00	6,932.16	2,658.40	-2,519.05	HZ LANDING PNT - 8134' MD, 6932' TVD	
20,868.00	7,092.78	2,710.05	-15,245.30	LAST SURVEY - 20868' MD, 7093' TVD	
20,973.00	7,093.09	2,703.46	-15,350.10	EXTRAPOLATION TO TD - 20973' MD, 211' FNL, 151' FWL SEC 27	

Checked By: _____	Approved By: _____	Date: _____
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