

CRESTONE PEAK RESOURCES

WELD COUNTY

SEC 25-T4N-R65W

SHELTON 25W-25-02

OWB

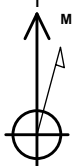
Design: FINAL SURVEY

Standard Survey Report

09 February, 2023

Project: WELD COUNTY
Site: SEC 25-T4N-R65W
Well: SHELTON 25W-25-02
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



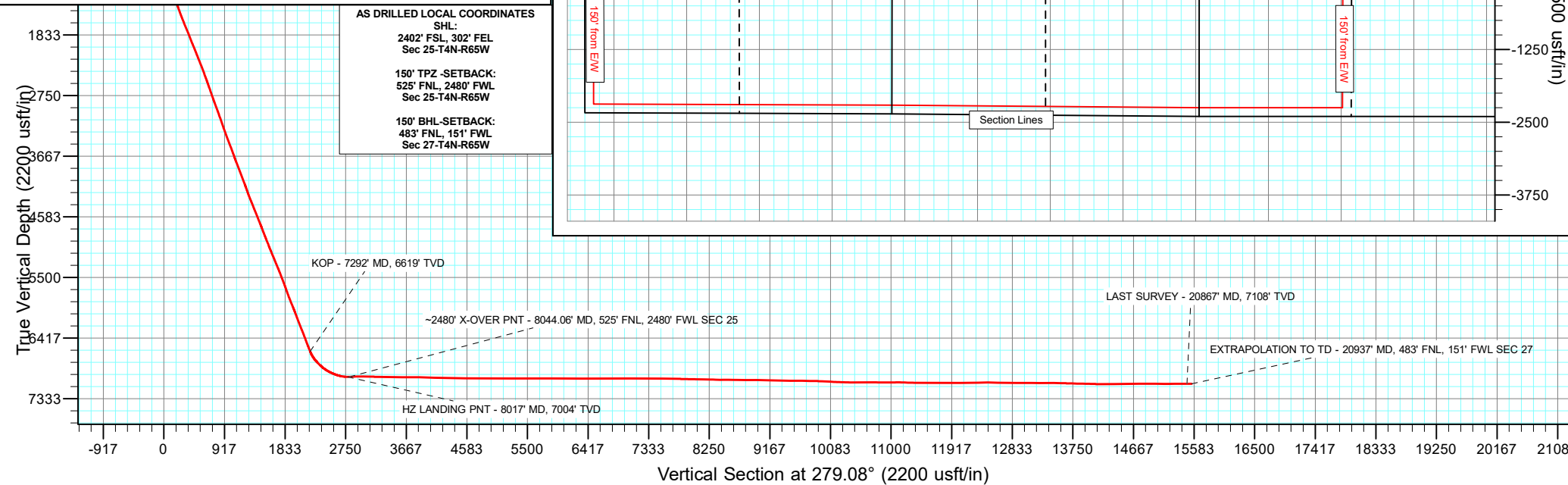
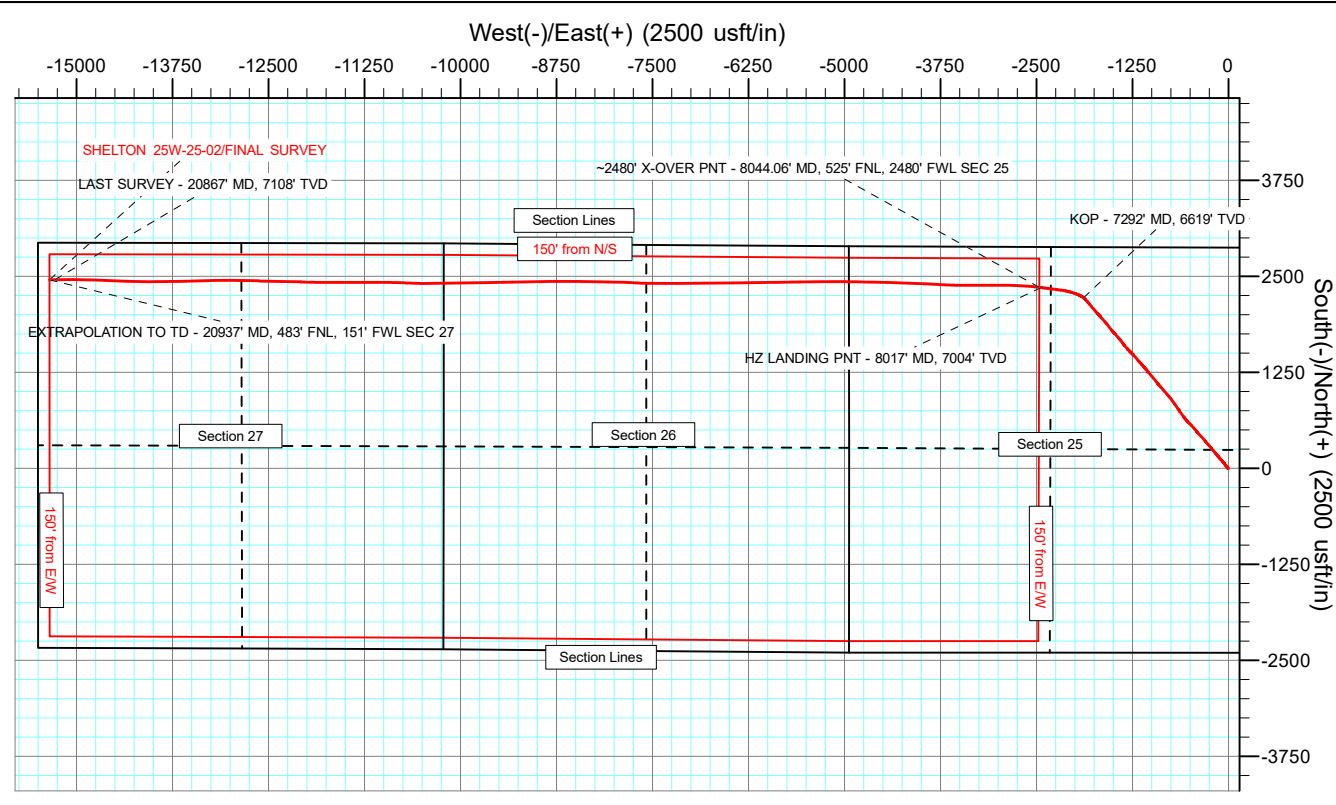
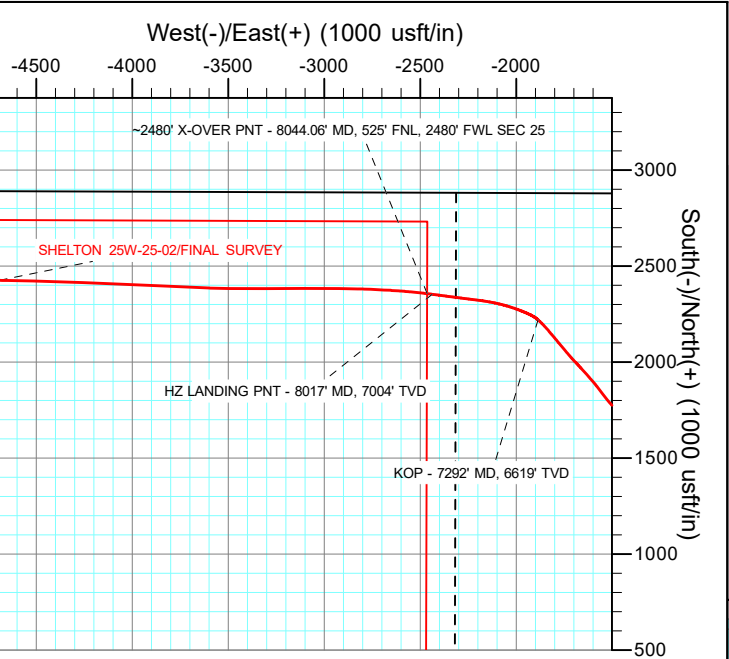
Azimuths to True North
Magnetic North: 7.62°
Magnetic Field
Strength: 51773.7nT
Dip Angle: 66.53°
Date: 9/26/2022
Model: IGRF2020

WELL DETAILS: SHELTON 25W-25-02

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	1347041.43	3250144.06	40.282557°N	104.603388°W	

ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Departure	Annotation
7292.00	24.72	312.14	6618.86	2220.28	-1885.16	2212.08	2921.91	KOP - 7292' MD, 6619' TVD
8017.00	69.60	277.20	7003.80	2353.67	-2437.09	2778.14	3495.89	HZ LANDING PNT - 8017' MD, 7004' TVD
8044.06	92.92	277.02	7003.21	2357.02	-2463.93	2805.18	3522.88	~2480' X-OVER PNT - 8044.06' MD, 525' FNL, 2480' FWL SEC 25
20867.00	90.16	269.05	7107.99	2455.69	-15280.58	15476.64	16343.72	LAST SURVEY - 20867' MD, 7108' TVD
20937.00	90.16	269.05	7107.79	2454.53	-15350.57	15545.57	16413.72	EXTRAPOLATION TO TD - 20937' MD, 483' FNL, 151' FWL SEC 27



AS DRILLED LOCAL COORDINATES
SHL:
2402' FSL, 302' FEL
Sec 25-T4N-R65W
150' TPZ-SETBACK:
525' FNL, 2480' FWL
Sec 25-T4N-R65W
150' BHL-SETBACK:
483' FNL, 151' FWL
Sec 27-T4N-R65W

Survey Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4861.00usft
Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4861.00usft
Well:	SHELTON 25W-25-02	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-25-02					
Well Position	+N/-S	0.00 usft	Northing:	1,347,041.43 usft	Latitude:	40.282557°N
	+E/-W	0.00 usft	Easting:	3,250,144.06 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	51,773.67841193

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		279.08

Survey Program	Date	2/9/2023			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
183.00	1,872.00	SURFACE (OWB)	MWD OWSG	OWSG MWD - Standard	
2,054.00	20,937.00	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	1.40	192.60	182.98	-2.18	-0.49	0.14	0.77	0.77	0.00	
287.00	0.80	277.60	286.97	-3.33	-1.48	0.94	1.49	-0.58	81.73	
377.00	2.50	299.30	376.93	-2.28	-3.82	3.41	1.98	1.89	24.11	
469.00	5.20	316.70	468.71	1.74	-8.43	8.60	3.16	2.93	18.91	
561.00	8.30	323.10	560.07	10.08	-15.28	16.68	3.46	3.37	6.96	
652.00	10.20	323.90	649.88	21.85	-23.97	27.12	2.09	2.09	0.88	
741.00	13.40	323.60	736.99	36.52	-34.73	40.06	3.60	3.60	-0.34	
831.00	15.50	323.00	824.14	54.52	-48.16	56.17	2.34	2.33	-0.67	
924.00	17.90	321.10	913.21	75.57	-64.62	75.74	2.65	2.58	-2.04	

Survey Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4861.00usft
Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4861.00usft
Well:	SHELTON 25W-25-02	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)
1,014.00	17.80	317.40	998.88	96.46	-82.62	96.81	1.26	-0.11	-4.11
1,104.00	16.90	317.90	1,084.78	116.29	-100.70	117.80	1.01	-1.00	0.56
1,196.00	18.60	319.90	1,172.40	137.44	-119.11	139.32	1.96	1.85	2.17
1,286.00	21.70	320.80	1,256.88	161.32	-138.88	162.61	3.46	3.44	1.00
1,378.00	23.10	319.60	1,341.94	188.24	-161.33	189.03	1.60	1.52	-1.30
1,466.00	25.40	320.00	1,422.17	215.85	-184.65	216.42	2.62	2.61	0.45
1,558.00	26.30	320.80	1,504.96	246.76	-210.22	246.54	1.05	0.98	0.87
1,648.00	27.90	320.40	1,585.08	278.44	-236.24	277.24	1.79	1.78	-0.44
1,740.00	27.10	317.50	1,666.69	310.47	-264.12	309.83	1.70	-0.87	-3.15
1,832.00	27.90	318.40	1,748.29	342.02	-292.57	342.90	0.98	0.87	0.98
1,872.00	27.90	320.40	1,783.64	356.23	-304.75	357.17	2.34	0.00	5.00
2,054.00	27.89	318.17	1,944.50	420.76	-360.28	422.20	0.57	-0.01	-1.23
2,149.00	27.05	316.63	2,028.79	453.02	-389.94	456.57	1.16	-0.88	-1.62
2,244.00	28.18	320.79	2,112.97	486.11	-418.95	490.45	2.35	1.19	4.38
2,434.00	26.70	317.61	2,281.60	552.40	-476.10	557.35	1.10	-0.78	-1.67
2,623.00	24.18	314.04	2,452.27	610.68	-532.56	622.30	1.56	-1.33	-1.89
2,717.00	25.05	320.15	2,537.74	639.35	-559.16	653.09	2.86	0.93	6.50
2,813.00	26.95	324.88	2,624.03	672.75	-584.70	683.59	2.93	1.98	4.93
3,002.00	26.21	324.28	2,793.06	741.67	-633.71	742.86	0.42	-0.39	-0.32
3,098.00	28.55	325.58	2,878.30	777.81	-659.05	773.60	2.52	2.44	1.35
3,193.00	28.27	325.31	2,961.86	815.04	-684.69	804.79	0.32	-0.29	-0.28
3,288.00	26.83	324.03	3,046.08	850.89	-710.09	835.53	1.64	-1.52	-1.35
3,477.00	24.73	321.86	3,216.26	916.51	-759.56	894.75	1.22	-1.11	-1.15
3,573.00	26.04	320.03	3,302.99	948.46	-785.50	925.40	1.59	1.36	-1.91
3,691.00	26.02	318.01	3,409.03	987.54	-819.46	965.10	0.75	-0.02	-1.71
3,785.00	26.94	318.67	3,493.17	1,018.86	-847.31	997.56	1.03	0.98	0.70
3,976.00	24.37	318.86	3,665.32	1,081.04	-901.82	1,061.20	1.35	-1.35	0.10
4,071.00	27.62	321.84	3,750.70	1,113.12	-928.33	1,092.44	3.69	3.42	3.14
4,166.00	27.45	321.19	3,834.94	1,147.50	-955.66	1,124.85	0.36	-0.18	-0.68
4,261.00	27.08	320.49	3,919.39	1,181.24	-983.14	1,157.32	0.52	-0.39	-0.74
4,356.00	26.43	320.19	4,004.22	1,214.17	-1,010.43	1,189.47	0.70	-0.68	-0.32
4,451.00	27.45	319.70	4,088.91	1,247.11	-1,038.13	1,222.02	1.10	1.07	-0.52
4,545.00	23.36	318.08	4,173.80	1,277.51	-1,064.61	1,252.96	4.41	-4.35	-1.72
4,641.00	26.86	320.21	4,260.72	1,308.35	-1,091.21	1,284.10	3.76	3.65	2.22
4,736.00	28.66	318.95	4,344.78	1,342.02	-1,119.91	1,317.76	1.99	1.89	-1.33
4,831.00	26.48	317.37	4,428.99	1,374.79	-1,149.22	1,351.87	2.42	-2.29	-1.66
4,926.00	28.11	319.69	4,513.41	1,407.44	-1,178.04	1,385.49	2.05	1.72	2.44
5,116.00	27.58	318.61	4,681.41	1,474.57	-1,236.08	1,453.40	0.39	-0.28	-0.57
5,210.00	24.16	312.26	4,765.99	1,503.85	-1,264.72	1,486.30	4.68	-3.64	-6.76
5,304.00	26.07	315.00	4,851.11	1,531.40	-1,293.57	1,519.14	2.38	2.03	2.91
5,399.00	27.45	319.99	4,935.94	1,562.93	-1,322.41	1,552.60	2.77	1.45	5.25
5,495.00	27.68	320.50	5,021.04	1,597.09	-1,350.82	1,586.04	0.34	0.24	0.53
5,590.00	30.25	323.50	5,104.16	1,633.36	-1,379.09	1,619.69	3.11	2.71	3.16

Survey Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4861.00usft
Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4861.00usft
Well:	SHELTON 25W-25-02	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)
5,684.00	29.25	321.08	5,185.77	1,670.26	-1,407.61	1,653.67	1.66	-1.06	-2.57
5,780.00	27.74	318.59	5,270.14	1,705.27	-1,437.12	1,688.35	2.00	-1.57	-2.59
5,875.00	28.71	318.48	5,353.84	1,738.93	-1,466.87	1,723.04	1.02	1.02	-0.12
5,969.00	26.64	316.11	5,437.09	1,771.03	-1,496.45	1,757.32	2.49	-2.20	-2.52
6,063.00	26.71	322.15	5,521.10	1,802.90	-1,524.03	1,789.58	2.88	0.07	6.43
6,157.00	27.70	322.09	5,604.70	1,836.82	-1,550.42	1,820.99	1.05	1.05	-0.06
6,253.00	25.36	322.13	5,690.59	1,870.66	-1,576.75	1,852.34	2.44	-2.44	0.04
6,348.00	26.42	319.40	5,776.05	1,902.77	-1,603.00	1,883.32	1.68	1.12	-2.87
6,442.00	26.93	317.96	5,860.05	1,934.46	-1,630.86	1,915.84	0.88	0.54	-1.53
6,537.00	28.50	317.88	5,944.15	1,967.25	-1,660.47	1,950.26	1.65	1.65	-0.08
6,631.00	24.86	315.85	6,028.13	1,998.07	-1,689.28	1,983.58	3.99	-3.87	-2.16
6,725.00	26.17	319.30	6,112.96	2,027.97	-1,716.57	2,015.24	2.11	1.39	3.67
6,821.00	27.33	319.66	6,198.69	2,060.82	-1,744.64	2,048.14	1.22	1.21	0.37
6,915.00	28.33	320.07	6,281.81	2,094.37	-1,772.92	2,081.37	1.08	1.06	0.44
7,010.00	27.23	320.37	6,365.86	2,128.39	-1,801.25	2,114.72	1.17	-1.16	0.32
7,105.00	25.72	319.60	6,450.90	2,160.83	-1,828.48	2,146.72	1.63	-1.59	-0.81
7,200.00	26.94	316.71	6,536.04	2,192.20	-1,856.60	2,179.44	1.86	1.28	-3.04
7,292.00	24.72	312.14	6,618.86	2,220.28	-1,885.16	2,212.08	3.24	-2.42	-4.97
KOP - 7292' MD, 6619' TVD									
7,294.00	24.67	312.03	6,620.67	2,220.84	-1,885.78	2,212.78	3.24	-2.33	-5.39
7,389.00	34.52	296.18	6,703.30	2,246.09	-1,924.82	2,255.31	13.17	10.37	-16.68
7,484.00	43.25	291.13	6,777.20	2,269.75	-1,979.45	2,313.00	9.77	9.19	-5.32
7,579.00	48.47	286.62	6,843.35	2,291.67	-2,043.94	2,380.14	6.46	5.49	-4.75
7,673.00	57.42	281.54	6,899.96	2,309.70	-2,116.64	2,454.77	10.45	9.52	-5.40
7,767.00	65.27	277.04	6,945.02	2,322.88	-2,197.97	2,537.17	9.35	8.35	-4.79
7,862.00	72.78	277.30	6,979.00	2,333.95	-2,285.92	2,625.76	7.91	7.91	0.27
7,957.00	82.23	277.60	6,999.53	2,345.97	-2,377.78	2,718.36	9.95	9.95	0.32
8,017.00	89.60	277.20	7,003.80	2,353.67	-2,437.09	2,778.14	12.30	12.28	-0.66
HZ LANDING PNT - 8017' MD, 7004' TVD									
8,044.06	92.92	277.02	7,003.21	2,357.02	-2,463.93	2,805.18	12.30	12.28	-0.66
~2480' X-OVER PNT - 8044.06' MD, 525' FNL, 2480' FWL SEC 25									
8,052.00	93.90	276.97	7,002.73	2,357.99	-2,471.80	2,813.10	12.30	12.28	-0.66
8,147.00	91.91	274.89	6,997.92	2,367.79	-2,566.16	2,907.82	3.03	-2.09	-2.19
8,241.00	88.65	273.24	6,997.46	2,374.45	-2,659.90	3,001.45	3.89	-3.47	-1.76
8,335.00	88.85	272.69	6,999.51	2,379.31	-2,753.75	3,094.89	0.62	0.21	-0.59
8,430.00	88.07	271.20	7,002.06	2,382.53	-2,848.66	3,189.11	1.77	-0.82	-1.57
8,525.00	89.64	269.94	7,003.96	2,383.48	-2,943.63	3,283.04	2.12	1.65	-1.33
8,620.00	88.94	271.09	7,005.14	2,384.33	-3,038.62	3,376.97	1.42	-0.74	1.21
8,715.00	88.58	269.68	7,007.20	2,384.97	-3,133.59	3,470.85	1.53	-0.38	-1.48
8,810.00	89.46	269.63	7,008.82	2,384.40	-3,228.58	3,564.56	0.93	0.93	-0.05
8,905.00	90.22	269.04	7,009.09	2,383.29	-3,323.57	3,658.18	1.01	0.80	-0.62
9,000.00	89.15	270.52	7,009.61	2,382.93	-3,418.56	3,751.93	1.92	-1.13	1.56
9,095.00	89.80	270.65	7,010.48	2,383.90	-3,513.55	3,845.88	0.70	0.68	0.14
9,189.00	88.74	272.56	7,011.68	2,386.53	-3,607.50	3,939.07	2.32	-1.13	2.03

Survey Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4861.00usft
Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4861.00usft
Well:	SHELTON 25W-25-02	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)
9,284.00	89.51	272.37	7,013.13	2,390.62	-3,702.40	4,033.42	0.83	0.81	-0.20
9,379.00	87.74	272.82	7,015.41	2,394.92	-3,797.27	4,127.78	1.92	-1.86	0.47
9,474.00	88.18	272.91	7,018.79	2,399.66	-3,892.09	4,222.16	0.47	0.46	0.09
9,568.00	88.62	272.52	7,021.41	2,404.11	-3,985.95	4,315.55	0.63	0.47	-0.41
9,663.00	88.91	272.45	7,023.46	2,408.23	-4,080.84	4,409.89	0.31	0.31	-0.07
9,758.00	89.22	271.87	7,025.01	2,411.81	-4,175.76	4,504.19	0.69	0.33	-0.61
9,853.00	88.79	272.13	7,026.66	2,415.13	-4,270.69	4,598.45	0.53	-0.45	0.27
9,947.00	88.91	271.85	7,028.55	2,418.39	-4,364.61	4,691.71	0.32	0.13	-0.30
10,043.00	89.38	271.49	7,029.98	2,421.19	-4,460.56	4,786.90	0.62	0.49	-0.37
10,137.00	90.20	271.29	7,030.32	2,423.47	-4,554.53	4,880.05	0.90	0.87	-0.21
10,232.00	90.61	271.14	7,029.65	2,425.48	-4,649.51	4,974.15	0.46	0.43	-0.16
10,328.00	90.97	270.59	7,028.33	2,426.93	-4,745.49	5,069.15	0.68	0.37	-0.57
10,516.00	90.51	270.92	7,025.90	2,429.41	-4,933.45	5,255.16	0.30	-0.24	0.18
10,610.00	89.08	270.06	7,026.24	2,430.21	-5,027.45	5,348.10	1.78	-1.52	-0.91
10,705.00	89.47	270.06	7,027.44	2,430.31	-5,122.44	5,441.91	0.41	0.41	0.00
10,800.00	89.67	269.54	7,028.15	2,429.98	-5,217.43	5,535.66	0.59	0.21	-0.55
10,895.00	90.54	269.67	7,027.98	2,429.32	-5,312.43	5,629.37	0.93	0.92	0.14
10,990.00	91.50	269.75	7,026.29	2,428.84	-5,407.41	5,723.08	1.01	1.01	0.08
11,085.00	88.47	269.27	7,026.31	2,428.03	-5,502.40	5,816.75	3.23	-3.19	-0.51
11,180.00	88.96	269.15	7,028.44	2,426.72	-5,597.37	5,910.32	0.53	0.52	-0.13
11,274.00	89.54	268.91	7,029.67	2,425.13	-5,691.34	6,002.86	0.67	0.62	-0.26
11,369.00	90.71	268.85	7,029.47	2,423.27	-5,786.32	6,096.36	1.23	1.23	-0.06
11,464.00	89.68	269.93	7,029.14	2,422.26	-5,881.32	6,190.00	1.57	-1.08	1.14
11,559.00	89.86	269.60	7,029.52	2,421.87	-5,976.31	6,283.74	0.40	0.19	-0.35
11,653.00	90.26	268.99	7,029.42	2,420.72	-6,070.31	6,376.37	0.78	0.43	-0.65
11,749.00	89.71	268.32	7,029.45	2,418.46	-6,166.28	6,470.79	0.90	-0.57	-0.70
11,844.00	90.08	269.79	7,029.62	2,416.90	-6,261.26	6,564.33	1.60	0.39	1.55
11,938.00	90.42	269.26	7,029.21	2,416.12	-6,355.26	6,657.03	0.67	0.36	-0.56
12,033.00	90.68	268.62	7,028.30	2,414.36	-6,450.24	6,750.54	0.73	0.27	-0.67
12,129.00	91.09	269.73	7,026.82	2,412.98	-6,546.21	6,845.09	1.23	0.43	1.16
12,224.00	89.21	269.95	7,026.57	2,412.71	-6,641.21	6,938.85	1.99	-1.98	0.23
12,319.00	89.85	269.07	7,027.35	2,411.90	-6,736.20	7,032.52	1.15	0.67	-0.93
12,415.00	90.42	268.46	7,027.12	2,409.83	-6,832.18	7,126.97	0.87	0.59	-0.64
12,510.00	89.92	270.78	7,026.84	2,409.20	-6,927.17	7,220.67	2.50	-0.53	2.44
12,605.00	88.90	268.83	7,027.82	2,408.88	-7,022.16	7,314.42	2.32	-1.07	-2.05
12,700.00	88.94	270.59	7,029.61	2,408.40	-7,117.13	7,408.13	1.85	0.04	1.85
12,795.00	89.38	270.12	7,031.00	2,408.98	-7,212.12	7,502.02	0.68	0.46	-0.49
12,890.00	90.16	268.72	7,031.38	2,408.02	-7,307.11	7,595.66	1.69	0.82	-1.47
12,985.00	88.62	270.58	7,032.40	2,407.44	-7,402.10	7,689.37	2.54	-1.62	1.96
13,080.00	89.16	270.53	7,034.24	2,408.36	-7,497.08	7,783.30	0.57	0.57	-0.05
13,176.00	88.65	271.68	7,036.07	2,410.21	-7,593.04	7,878.35	1.31	-0.53	1.20
13,271.00	89.08	272.42	7,037.95	2,413.61	-7,687.96	7,972.61	0.90	0.45	0.78
13,366.00	88.69	273.44	7,039.80	2,418.47	-7,782.82	8,067.05	1.15	-0.41	1.07

Survey Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4861.00usft
Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4861.00usft
Well:	SHELTON 25W-25-02	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)
13,461.00	88.52	271.88	7,042.11	2,422.87	-7,877.68	8,161.42	1.65	-0.18	-1.64
13,556.00	88.65	271.01	7,044.46	2,425.27	-7,972.62	8,255.55	0.93	0.14	-0.92
13,652.00	89.65	270.82	7,045.88	2,426.80	-8,068.60	8,350.56	1.06	1.04	-0.20
13,747.00	90.15	270.39	7,046.05	2,427.80	-8,163.59	8,444.52	0.69	0.53	-0.45
13,842.00	88.75	271.29	7,046.96	2,429.20	-8,258.57	8,538.53	1.75	-1.47	0.95
13,938.00	88.76	271.12	7,049.05	2,431.22	-8,354.53	8,633.60	0.18	0.01	-0.18
14,032.00	89.36	270.66	7,050.59	2,432.68	-8,448.50	8,726.63	0.80	0.64	-0.49
14,128.00	89.85	270.27	7,051.25	2,433.45	-8,544.50	8,821.54	0.65	0.51	-0.41
14,222.00	90.96	270.16	7,050.59	2,433.81	-8,638.49	8,914.42	1.19	1.18	-0.12
14,316.00	87.88	270.07	7,051.54	2,434.00	-8,732.48	9,007.25	3.28	-3.28	-0.10
14,412.00	88.40	269.27	7,054.65	2,433.44	-8,828.42	9,101.91	0.99	0.54	-0.83
14,506.00	88.67	268.83	7,057.06	2,431.88	-8,922.38	9,194.44	0.55	0.29	-0.47
14,602.00	88.85	268.37	7,059.14	2,429.54	-9,018.33	9,288.81	0.51	0.19	-0.48
14,697.00	89.22	268.18	7,060.74	2,426.68	-9,113.27	9,382.11	0.44	0.39	-0.20
14,792.00	89.24	269.86	7,062.01	2,425.06	-9,208.25	9,475.64	1.77	0.02	1.77
14,887.00	90.50	269.74	7,062.23	2,424.72	-9,303.24	9,569.39	1.33	1.33	-0.13
14,982.00	88.18	269.82	7,063.32	2,424.36	-9,398.23	9,663.13	2.44	-2.44	0.08
15,076.00	88.93	269.49	7,065.69	2,423.79	-9,492.20	9,755.83	0.87	0.80	-0.35
15,171.00	89.46	269.74	7,067.03	2,423.16	-9,587.19	9,849.53	0.62	0.56	0.26
15,266.00	87.55	268.78	7,069.51	2,421.93	-9,682.14	9,943.10	2.25	-2.01	-1.01
15,361.00	87.13	268.43	7,073.91	2,419.62	-9,777.01	10,036.41	0.58	-0.44	-0.37
15,456.00	86.88	267.66	7,078.88	2,416.38	-9,871.82	10,129.52	0.85	-0.26	-0.81
15,552.00	88.24	268.53	7,082.97	2,413.19	-9,967.68	10,223.67	1.68	1.42	0.91
15,646.00	87.76	268.10	7,086.25	2,410.43	-10,061.58	10,315.96	0.69	-0.51	-0.46
15,740.00	89.95	269.49	7,088.12	2,408.46	-10,155.53	10,408.42	2.76	2.33	1.48
15,834.00	89.99	268.85	7,088.17	2,407.10	-10,249.52	10,501.02	0.68	0.04	-0.68
15,930.00	90.81	268.90	7,087.50	2,405.21	-10,345.50	10,595.50	0.86	0.85	0.05
16,024.00	90.25	270.92	7,086.63	2,405.06	-10,439.49	10,688.29	2.23	-0.60	2.15
16,119.00	88.67	272.47	7,087.53	2,407.87	-10,534.44	10,782.49	2.33	-1.66	1.63
16,215.00	89.39	272.11	7,089.15	2,411.71	-10,630.35	10,877.80	0.84	0.75	-0.37
16,310.00	90.64	272.01	7,089.13	2,415.12	-10,725.29	10,972.08	1.32	1.32	-0.11
16,405.00	91.20	271.70	7,087.60	2,418.20	-10,820.22	11,066.31	0.67	0.59	-0.33
16,500.00	88.31	270.90	7,088.01	2,420.35	-10,915.19	11,160.43	3.16	-3.04	-0.84
16,595.00	88.80	270.31	7,090.41	2,421.35	-11,010.15	11,254.36	0.81	0.52	-0.62
16,690.00	89.24	270.53	7,092.03	2,422.05	-11,105.14	11,348.26	0.52	0.46	0.23
16,784.00	90.07	269.99	7,092.60	2,422.48	-11,199.13	11,441.14	1.05	0.88	-0.57
16,880.00	90.37	269.92	7,092.23	2,422.40	-11,295.13	11,535.93	0.32	0.31	-0.07
16,974.00	88.81	269.73	7,092.90	2,422.12	-11,389.13	11,628.70	1.67	-1.66	-0.20
17,069.00	88.64	269.51	7,095.01	2,421.49	-11,484.10	11,722.38	0.29	-0.18	-0.23
17,164.00	89.87	268.99	7,096.25	2,420.24	-11,579.08	11,815.97	1.41	1.29	-0.55
17,354.00	90.58	270.82	7,095.50	2,419.93	-11,769.07	12,003.53	1.03	0.37	0.96
17,449.00	89.55	271.21	7,095.40	2,421.61	-11,864.05	12,097.59	1.16	-1.08	0.41
17,544.00	91.14	271.33	7,094.82	2,423.72	-11,959.03	12,191.70	1.68	1.67	0.13

Survey Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4861.00usft
Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4861.00usft
Well:	SHELTON 25W-25-02	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)
17,640.00	93.04	272.22	7,091.32	2,426.69	-12,054.91	12,286.85	2.19	1.98	0.93
17,735.00	90.22	271.19	7,088.62	2,429.51	-12,149.82	12,381.02	3.16	-2.97	-1.08
17,830.00	88.81	271.13	7,089.42	2,431.43	-12,244.79	12,475.10	1.49	-1.48	-0.06
17,925.00	89.75	271.12	7,090.62	2,433.30	-12,339.77	12,569.18	0.99	0.99	-0.01
18,020.00	88.43	271.11	7,092.13	2,435.15	-12,434.73	12,663.25	1.39	-1.39	-0.01
18,210.00	89.83	271.92	7,095.01	2,440.17	-12,624.64	12,851.57	0.85	0.74	0.43
18,304.00	90.32	271.93	7,094.89	2,443.33	-12,718.59	12,944.83	0.52	0.52	0.01
18,399.00	89.18	270.88	7,095.30	2,445.66	-12,813.55	13,038.98	1.63	-1.20	-1.11
18,493.00	89.51	270.68	7,096.38	2,446.94	-12,907.54	13,131.98	0.41	0.35	-0.21
18,588.00	89.96	270.39	7,096.82	2,447.82	-13,002.53	13,225.93	0.56	0.47	-0.31
18,682.00	90.75	269.79	7,096.24	2,447.97	-13,096.53	13,318.77	1.06	0.84	-0.64
18,777.00	89.08	269.10	7,096.38	2,447.05	-13,191.52	13,412.42	1.90	-1.76	-0.73
18,872.00	89.20	268.57	7,097.80	2,445.12	-13,286.49	13,505.90	0.57	0.13	-0.56
18,967.00	88.70	267.75	7,099.54	2,442.07	-13,381.43	13,599.16	1.01	-0.53	-0.86
19,062.00	88.28	268.99	7,102.05	2,439.37	-13,476.35	13,692.47	1.38	-0.44	1.31
19,158.00	88.24	268.62	7,104.96	2,437.37	-13,572.29	13,786.88	0.39	-0.04	-0.39
19,251.00	89.41	268.35	7,106.87	2,434.91	-13,665.23	13,878.27	1.29	1.26	-0.29
19,347.00	88.44	269.16	7,108.67	2,432.82	-13,761.19	13,972.70	1.32	-1.01	0.84
19,442.00	88.55	268.78	7,111.16	2,431.12	-13,856.14	14,066.19	0.42	0.12	-0.40
19,537.00	90.11	270.07	7,112.28	2,430.16	-13,951.13	14,159.83	2.13	1.64	1.36
19,632.00	89.96	268.99	7,112.22	2,429.38	-14,046.12	14,253.51	1.15	-0.16	-1.14
19,727.00	90.24	270.89	7,112.05	2,429.28	-14,141.12	14,347.30	2.02	0.29	2.00
19,822.00	90.75	272.50	7,111.23	2,432.09	-14,236.07	14,441.51	1.78	0.54	1.69
19,918.00	91.15	272.06	7,109.64	2,435.91	-14,331.98	14,536.82	0.62	0.42	-0.46
20,013.00	90.44	272.84	7,108.32	2,439.97	-14,426.88	14,631.17	1.11	-0.75	0.82
20,108.00	90.37	272.17	7,107.65	2,444.13	-14,521.79	14,725.54	0.71	-0.07	-0.71
20,203.00	89.99	271.48	7,107.35	2,447.15	-14,616.74	14,819.78	0.83	-0.40	-0.73
20,298.00	89.76	271.60	7,107.56	2,449.70	-14,711.70	14,913.96	0.27	-0.24	0.13
20,393.00	89.44	271.70	7,108.22	2,452.44	-14,806.66	15,008.15	0.35	-0.34	0.11
20,488.00	89.10	271.50	7,109.43	2,455.09	-14,901.62	15,102.34	0.42	-0.36	-0.21
20,582.00	90.42	270.63	7,109.83	2,456.84	-14,995.60	15,195.41	1.68	1.40	-0.93
20,677.00	90.51	270.08	7,109.05	2,457.43	-15,090.59	15,289.31	0.59	0.09	-0.58
20,772.00	90.31	269.39	7,108.37	2,456.99	-15,185.59	15,383.04	0.76	-0.21	-0.73
20,867.00	90.16	269.05	7,107.99	2,455.69	-15,280.58	15,476.64	0.39	-0.16	-0.36
LAST SURVEY - 20867' MD, 7108' TVD									
20,937.00	90.16	269.05	7,107.79	2,454.53	-15,350.57	15,545.57	0.00	0.00	0.00
EXTRAPOLATION TO TD - 20937' MD, 483' FNL, 151' FWL SEC 27									

Survey Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4861.00usft
Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4861.00usft
Well:	SHELTON 25W-25-02	North Reference:	True
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	FINAL SURVEY	Database:	EDT_32Bit_ODBC

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
LP-SHELTON 25W-02 - actual wellpath misses target center by 32.12usft at 8047.01usft MD (7003.05 TVD, 2357.38 N, -2466.86 E) - Point	0.00	0.00	7,015.00	2,387.05	-2,463.93	1,349,403.34	3,247,656.23	40.289109°N	104.612220°W
PBHL-SHELTON 25W-0 - actual wellpath misses target center by 25.35usft at 20937.00usft MD (7107.79 TVD, 2454.53 N, -15350.57 E) - Point	0.00	0.00	7,130.00	2,442.33	-15,351.29	1,349,328.32	3,234,769.53	40.289248°N	104.658415°W

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
7,292.00	6,618.86	2,220.28	-1,885.16	KOP - 7292' MD, 6619' TVD	
8,017.00	7,003.80	2,353.67	-2,437.09	HZ LANDING PNT - 8017' MD, 7004' TVD	
8,044.06	7,003.21	2,357.02	-2,463.93	~2480' X-OVER PNT - 8044.06' MD, 525' FNL, 2480' FWL SEC 25	
20,867.00	7,107.99	2,455.69	-15,280.58	LAST SURVEY - 20867' MD, 7108' TVD	
20,937.00	7,107.79	2,454.53	-15,350.57	EXTRAPOLATION TO TD - 20937' MD, 483' FNL, 151' FWL SEC 27	

Checked By: _____	Approved By: _____	Date: _____
-------------------	--------------------	-------------