

CRESTONE PEAK RESOURCES

WELD COUNTY

SEC 25-T4N-R65W

SHELTON 25W-25-03

OWB

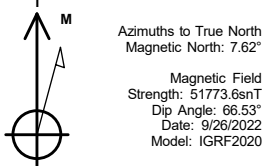
Design: FINAL SURVEY

Standard Survey Report

13 February, 2023

Project: WELD COUNTY
Site: SEC 25-T4N-R65W
Well: SHELTON 25W-25-03
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

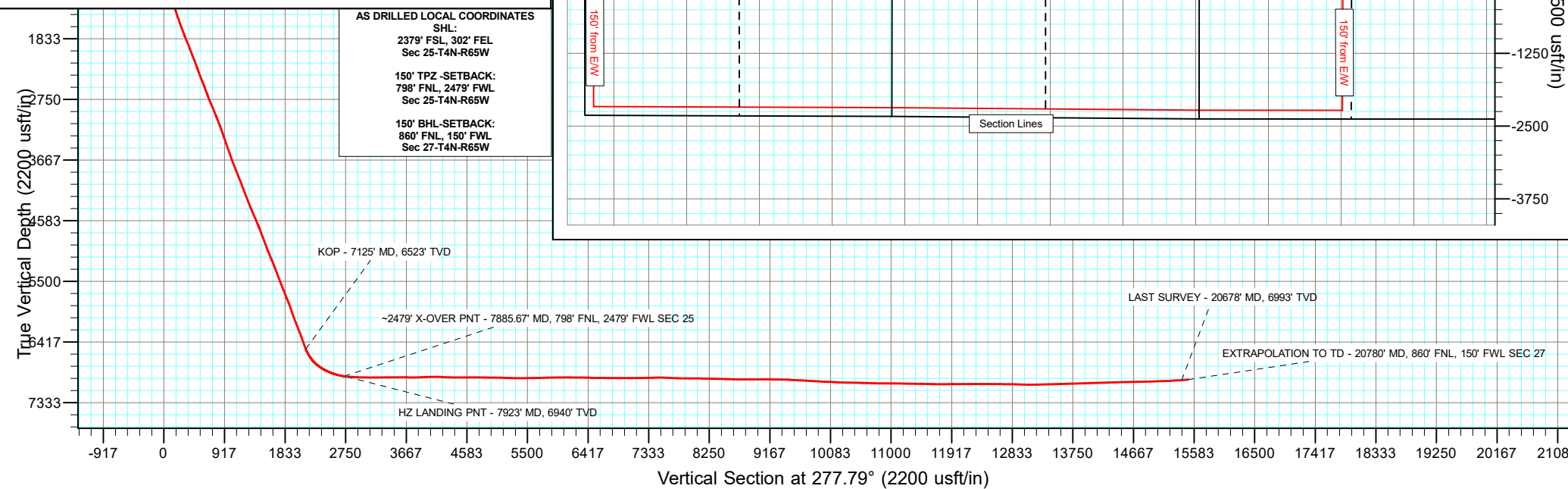
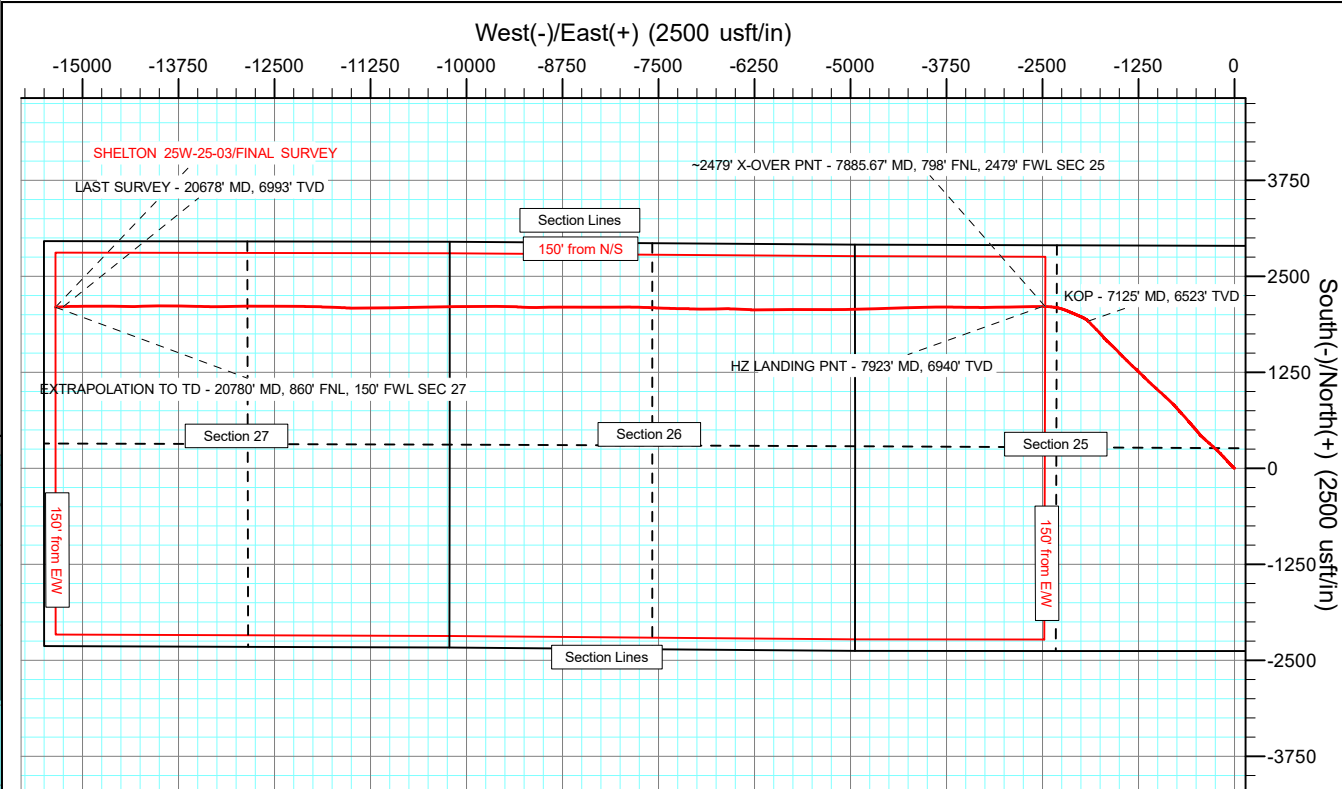
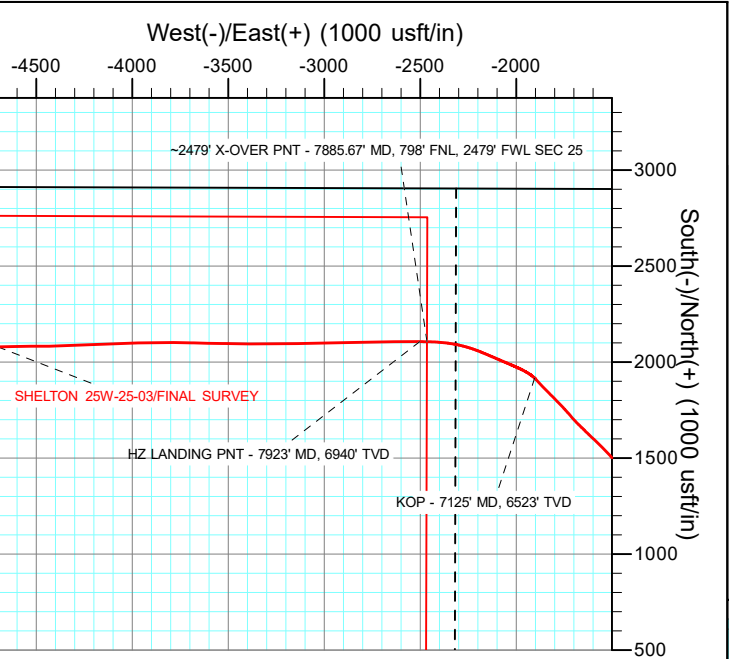


WELL DETAILS: SHELTON 25W-25-03

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	1347019.21	3250144.29	40.282496°N	104.603388°W	

ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Departure	Annotation
7125.00	26.01	313.53	6523.26	1917.12	-1903.56	2145.79	2705.83	KOP - 7125' MD, 6523' TVD
7885.67	61.38	271.36	6935.77	2106.58	-2464.80	2727.53	3306.05	~2479' X-OVER PNT - 7885.67' MD, 798' FNL, 2479' FWL SEC 25
7923.00	84.11	270.62	6940.49	2107.22	-2501.83	2764.30	3343.10	HZ LANDING PNT - 7923' MD, 6940' TVD
20678.00	94.04	267.23	6993.01	2104.51	-15249.31	15393.83	16093.81	LAST SURVEY - 20678' MD, 6993' TVD
20780.00	94.04	267.23	6985.83	2099.59	-15350.94	15493.86	16195.55	EXTRAPOLATION TO TD - 20780' MD, 860' FNL, 150' FWL SEC 27



Survey Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-03
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4861.00usft
Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4861.00usft
Well:	SHELTON 25W-25-03	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-25-03					
Well Position	+N/-S	0.00 usft	Northing:	1,347,019.21 usft	Latitude:	40.282496°N
	+E/-W	0.00 usft	Easting:	3,250,144.29 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	51,773.64650523

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	277.79	

Survey Program	Date	2/13/2023			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
182.00	1,871.00	SURFACE (OWB)	MWD OWSG	OWSG MWD - Standard	
1,959.00	20,780.00	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	
182.00	0.60	349.10	182.00	0.94	-0.18	0.31	0.33	0.33	0.00	
289.00	1.00	293.50	288.99	1.86	-1.14	1.38	0.77	0.37	-51.96	
381.00	1.30	295.70	380.97	2.63	-2.82	3.15	0.33	0.33	2.39	
473.00	2.60	301.30	472.91	4.17	-5.54	6.06	1.43	1.41	6.09	
561.00	4.10	306.30	560.76	7.07	-9.78	10.65	1.73	1.70	5.68	
652.00	5.60	314.40	651.43	12.10	-15.58	17.07	1.81	1.65	8.90	
744.00	8.00	315.20	742.78	19.78	-23.30	25.76	2.61	2.61	0.87	
832.00	10.60	317.00	829.62	30.05	-33.13	36.90	2.97	2.95	2.05	
924.00	12.60	316.80	919.73	43.56	-45.78	51.26	2.17	2.17	-0.22	

Survey Report

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Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4861.00usft
Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4861.00usft
Well:	SHELTON 25W-25-03	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)
1,015.00	16.00	317.70	1,007.90	60.07	-61.01	68.59	3.74	3.74	0.99
1,105.00	17.30	317.60	1,094.12	79.13	-78.39	88.39	1.44	1.44	-0.11
1,196.00	20.30	318.10	1,180.26	100.87	-98.06	110.82	3.30	3.30	0.55
1,286.00	21.10	317.70	1,264.45	124.48	-119.39	135.15	0.90	0.89	-0.44
1,378.00	20.00	315.70	1,350.59	147.99	-141.52	160.27	1.42	-1.20	-2.17
1,466.00	21.70	316.70	1,432.83	170.60	-163.19	184.80	1.97	1.93	1.14
1,558.00	24.20	315.90	1,517.54	196.52	-187.98	212.88	2.74	2.72	-0.87
1,648.00	24.40	315.50	1,599.57	223.03	-213.85	242.10	0.29	0.22	-0.44
1,740.00	24.30	311.80	1,683.39	249.20	-241.28	272.82	1.66	-0.11	-4.02
1,832.00	24.40	311.70	1,767.20	274.46	-269.58	304.29	0.12	0.11	-0.11
1,871.00	26.40	312.40	1,802.43	285.67	-282.00	318.11	5.19	5.13	1.79
1,959.00	26.57	311.80	1,881.20	311.98	-311.12	350.52	0.36	0.19	-0.68
2,054.00	25.14	310.51	1,966.69	339.25	-342.30	385.11	1.62	-1.51	-1.36
2,149.00	24.70	311.72	2,052.84	365.56	-372.46	418.56	0.71	-0.46	1.27
2,244.00	26.21	313.84	2,138.62	393.31	-402.41	451.99	1.86	1.59	2.23
2,339.00	24.84	312.94	2,224.34	421.43	-432.15	485.27	1.50	-1.44	-0.95
2,434.00	25.46	320.79	2,310.36	450.86	-459.67	516.53	3.57	0.65	8.26
2,623.00	29.08	319.58	2,478.33	517.32	-515.15	580.50	1.94	1.92	-0.64
2,718.00	26.66	318.45	2,562.30	550.85	-544.26	613.89	2.61	-2.55	-1.19
2,813.00	24.64	318.17	2,647.94	581.56	-571.61	645.14	2.13	-2.13	-0.29
2,908.00	28.97	319.02	2,732.71	613.70	-599.92	677.55	4.58	4.56	0.89
3,002.00	29.13	318.82	2,814.89	648.11	-629.91	711.93	0.20	0.17	-0.21
3,193.00	28.58	317.97	2,982.17	717.04	-691.11	781.90	0.36	-0.29	-0.45
3,288.00	25.72	317.86	3,066.70	749.21	-720.16	815.04	3.01	-3.01	-0.12
3,383.00	27.37	318.55	3,151.68	780.86	-748.45	847.36	1.77	1.74	0.73
3,477.00	24.82	319.17	3,236.09	811.99	-775.65	878.53	2.73	-2.71	0.66
3,573.00	23.18	314.25	3,323.80	840.42	-802.37	908.85	2.69	-1.71	-5.12
3,691.00	23.28	313.48	3,432.23	872.68	-835.92	946.47	0.27	0.08	-0.65
3,786.00	23.75	312.62	3,519.34	898.55	-863.62	977.42	0.61	0.49	-0.91
3,881.00	23.09	312.30	3,606.51	924.04	-891.48	1,008.47	0.71	-0.69	-0.34
3,977.00	24.53	312.59	3,694.34	950.20	-920.07	1,040.35	1.50	1.50	0.30
4,072.00	25.80	312.57	3,780.32	977.53	-949.82	1,073.52	1.34	1.34	-0.02
4,262.00	25.93	312.04	3,951.29	1,033.32	-1,011.12	1,141.82	0.14	0.07	-0.28
4,357.00	24.51	311.54	4,037.23	1,060.29	-1,041.30	1,175.37	1.51	-1.49	-0.53
4,452.00	24.69	312.86	4,123.61	1,086.86	-1,070.59	1,208.00	0.61	0.19	1.39
4,546.00	25.62	313.08	4,208.69	1,114.09	-1,099.83	1,240.65	0.99	0.99	0.23
4,641.00	26.20	313.93	4,294.14	1,142.67	-1,129.93	1,274.35	0.72	0.61	0.89
4,737.00	26.84	313.88	4,380.04	1,172.40	-1,160.81	1,308.98	0.67	0.67	-0.05
4,831.00	29.01	314.34	4,463.09	1,203.04	-1,192.42	1,344.44	2.32	2.31	0.49
4,926.00	27.38	314.26	4,546.82	1,234.39	-1,224.54	1,380.52	1.72	-1.72	-0.08
5,022.00	28.90	314.46	4,631.47	1,266.04	-1,256.91	1,416.88	1.59	1.58	0.21
5,117.00	24.08	311.40	4,716.47	1,294.96	-1,287.85	1,451.45	5.27	-5.07	-3.22
5,211.00	24.74	312.53	4,802.07	1,320.94	-1,316.73	1,483.58	0.86	0.70	1.20

Survey Report

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Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4861.00usft
Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4861.00usft
Well:	SHELTON 25W-25-03	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)
5,305.00	25.48	314.79	4,887.19	1,348.48	-1,345.57	1,515.90	1.29	0.79	2.40
5,400.00	24.93	315.07	4,973.14	1,377.05	-1,374.22	1,548.15	0.59	-0.58	0.29
5,495.00	27.16	314.94	5,058.49	1,406.54	-1,403.71	1,581.36	2.35	2.35	-0.14
5,591.00	28.26	314.61	5,143.48	1,437.98	-1,435.40	1,617.02	1.16	1.15	-0.34
5,685.00	26.30	313.43	5,227.02	1,467.93	-1,466.37	1,651.76	2.16	-2.09	-1.26
5,780.00	25.96	317.30	5,312.32	1,497.68	-1,495.75	1,684.91	1.83	-0.36	4.07
5,875.00	26.07	316.06	5,397.69	1,527.99	-1,524.34	1,717.34	0.58	0.12	-1.31
5,969.00	26.17	315.71	5,482.09	1,557.70	-1,553.15	1,749.91	0.20	0.11	-0.37
6,064.00	25.22	313.68	5,567.70	1,586.68	-1,582.41	1,782.83	1.36	-1.00	-2.14
6,158.00	26.44	312.58	5,652.31	1,614.67	-1,612.31	1,816.24	1.39	1.30	-1.17
6,253.00	27.07	315.63	5,737.14	1,644.44	-1,643.00	1,850.68	1.59	0.66	3.21
6,348.00	25.56	313.32	5,822.29	1,673.95	-1,673.03	1,884.43	1.92	-1.59	-2.43
6,443.00	25.50	318.83	5,908.03	1,703.41	-1,701.40	1,916.54	2.50	-0.06	5.80
6,537.00	24.63	319.12	5,993.18	1,733.45	-1,727.54	1,946.51	0.93	-0.93	0.31
6,632.00	26.07	316.15	6,079.03	1,763.47	-1,754.96	1,977.75	2.02	1.52	-3.13
6,726.00	26.68	316.20	6,163.25	1,793.60	-1,783.88	2,010.48	0.65	0.65	0.05
6,821.00	25.50	315.43	6,248.56	1,823.56	-1,812.99	2,043.38	1.29	-1.24	-0.81
6,916.00	25.54	314.59	6,334.30	1,852.51	-1,841.93	2,075.97	0.38	0.04	-0.88
7,011.00	25.38	317.31	6,420.07	1,881.85	-1,870.32	2,108.08	1.24	-0.17	2.86
7,106.00	24.84	316.71	6,506.10	1,911.34	-1,897.81	2,139.31	0.63	-0.57	-0.63
7,125.00	26.01	313.53	6,523.26	1,917.12	-1,903.56	2,145.79	9.46	6.16	-16.73
KOP - 7125' MD, 6523' TVD									
7,201.00	31.25	303.21	6,589.98	1,939.42	-1,932.18	2,177.17	9.46	6.89	-13.58
7,295.00	36.59	295.23	6,667.99	1,964.75	-1,977.98	2,225.97	7.39	5.68	-8.49
7,389.00	49.02	292.88	6,736.83	1,990.59	-2,036.24	2,287.21	13.33	13.22	-2.50
7,485.00	56.41	293.36	6,794.94	2,020.57	-2,106.43	2,360.81	7.71	7.70	0.50
7,579.00	63.09	292.48	6,842.27	2,052.16	-2,181.19	2,439.16	7.15	7.11	-0.94
7,673.00	68.38	285.86	6,880.92	2,080.17	-2,262.08	2,523.10	8.53	5.63	-7.04
7,768.00	74.71	277.64	6,911.03	2,098.38	-2,350.19	2,612.86	10.57	6.66	-8.65
7,863.00	79.73	271.82	6,932.05	2,105.96	-2,442.45	2,705.30	7.97	5.28	-6.13
7,885.67	81.38	271.36	6,935.77	2,106.58	-2,464.80	2,727.53	7.56	7.29	-2.01
~2479' X-OVER PNT - 7885.67' MD, 798' FNL, 2479' FWL SEC 25									
7,923.00	84.11	270.62	6,940.49	2,107.22	-2,501.83	2,764.30	7.56	7.30	-1.99
HZ LANDING PNT - 7923' MD, 6940' TVD									
7,957.00	86.59	269.95	6,943.24	2,107.39	-2,535.71	2,797.90	7.56	7.30	-1.97
8,052.00	87.75	268.45	6,947.93	2,106.07	-2,630.58	2,891.71	1.99	1.22	-1.58
8,147.00	88.31	269.69	6,951.20	2,104.53	-2,725.51	2,985.56	1.43	0.59	1.31
8,336.00	90.11	268.79	6,953.81	2,102.02	-2,914.47	3,172.43	1.06	0.95	-0.48
8,430.00	90.76	268.62	6,953.09	2,099.90	-3,008.44	3,265.25	0.71	0.69	-0.18
8,526.00	91.40	268.72	6,951.28	2,097.67	-3,104.40	3,360.02	0.67	0.67	0.10
8,621.00	89.75	268.59	6,950.33	2,095.44	-3,199.36	3,453.81	1.74	-1.74	-0.14
8,716.00	90.75	270.52	6,949.91	2,094.70	-3,294.35	3,547.82	2.29	1.05	2.03
8,811.00	88.87	270.92	6,950.23	2,095.89	-3,389.34	3,642.09	2.02	-1.98	0.42
8,906.00	89.35	270.37	6,951.71	2,096.96	-3,484.32	3,736.34	0.77	0.51	-0.58

Survey Report

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Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4861.00usft
Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4861.00usft
Well:	SHELTON 25W-25-03	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)	
9,000.00	90.93	271.12	6,951.48	2,098.19	-3,578.31	3,829.63	1.86	1.68	0.80	
9,095.00	92.56	271.39	6,948.58	2,100.26	-3,673.24	3,923.97	1.74	1.72	0.28	
9,190.00	91.14	270.77	6,945.52	2,102.05	-3,768.17	4,018.26	1.63	-1.49	-0.65	
9,285.00	90.12	269.74	6,944.47	2,102.48	-3,863.16	4,112.44	1.53	-1.07	-1.08	
9,379.00	87.53	268.43	6,946.40	2,100.98	-3,957.12	4,205.32	3.09	-2.76	-1.39	
9,474.00	88.07	267.90	6,950.05	2,097.94	-4,052.00	4,298.92	0.80	0.57	-0.56	
9,569.00	89.45	267.60	6,952.10	2,094.21	-4,146.90	4,392.44	1.49	1.45	-0.32	
9,664.00	90.27	267.60	6,952.33	2,090.23	-4,241.82	4,485.94	0.86	0.86	0.00	
9,759.00	90.05	266.87	6,952.07	2,085.65	-4,336.71	4,579.33	0.80	-0.23	-0.77	
9,854.00	89.36	270.31	6,952.56	2,083.31	-4,431.66	4,673.09	3.69	-0.73	3.62	
9,948.00	89.80	269.81	6,953.25	2,083.41	-4,525.66	4,766.24	0.71	0.47	-0.53	
10,043.00	89.46	268.36	6,953.86	2,081.89	-4,620.64	4,860.14	1.57	-0.36	-1.53	
10,138.00	89.44	268.34	6,954.77	2,079.16	-4,715.60	4,953.85	0.03	-0.02	-0.02	
10,233.00	89.05	267.81	6,956.02	2,075.97	-4,810.54	5,047.48	0.69	-0.41	-0.56	
10,328.00	88.32	266.52	6,958.20	2,071.27	-4,905.39	5,140.82	1.56	-0.77	-1.36	
10,422.00	88.17	269.42	6,961.08	2,067.94	-4,999.28	5,233.39	3.09	-0.16	3.09	
10,517.00	89.50	269.14	6,963.02	2,066.75	-5,094.25	5,327.33	1.43	1.40	-0.29	
10,611.00	89.15	269.35	6,964.12	2,065.51	-5,188.23	5,420.28	0.43	-0.37	0.22	
10,706.00	91.90	271.24	6,963.25	2,066.00	-5,283.22	5,514.45	3.51	2.89	1.99	
10,800.00	91.63	269.91	6,960.36	2,066.94	-5,377.16	5,607.66	1.44	-0.29	-1.41	
10,895.00	91.20	269.60	6,958.01	2,066.53	-5,472.13	5,701.70	0.56	-0.45	-0.33	
10,991.00	91.39	270.10	6,955.84	2,066.28	-5,568.11	5,796.75	0.56	0.20	0.52	
11,086.00	90.83	268.93	6,954.00	2,065.48	-5,663.09	5,890.74	1.37	-0.59	-1.23	
11,180.00	90.43	271.09	6,952.97	2,065.49	-5,757.07	5,983.87	2.34	-0.43	2.30	
11,275.00	89.88	270.77	6,952.71	2,067.04	-5,852.06	6,078.19	0.67	-0.58	-0.34	
11,370.00	89.53	269.75	6,953.20	2,067.47	-5,947.06	6,172.37	1.14	-0.37	-1.07	
11,464.00	89.35	270.14	6,954.12	2,067.38	-6,041.05	6,265.48	0.46	-0.19	0.41	
11,559.00	88.58	267.98	6,955.83	2,065.82	-6,136.02	6,359.36	2.41	-0.81	-2.27	
11,654.00	88.81	269.56	6,958.00	2,063.78	-6,230.97	6,453.16	1.68	0.24	1.66	
11,749.00	89.89	273.64	6,959.08	2,066.43	-6,325.90	6,547.58	4.44	1.14	4.29	
11,845.00	89.26	271.95	6,959.79	2,071.11	-6,421.78	6,643.21	1.88	-0.66	-1.76	
11,939.00	89.19	273.00	6,961.06	2,075.17	-6,515.69	6,736.79	1.12	-0.07	1.12	
12,034.00	90.14	270.62	6,961.62	2,078.17	-6,610.63	6,831.27	2.70	1.00	-2.51	
12,129.00	89.41	268.19	6,961.99	2,077.19	-6,705.61	6,925.24	2.67	-0.77	-2.56	
12,224.00	90.63	269.78	6,961.96	2,075.50	-6,800.59	7,019.12	2.11	1.28	1.67	
12,319.00	90.18	268.52	6,961.28	2,074.09	-6,895.58	7,113.04	1.41	-0.47	-1.33	
12,415.00	91.16	272.05	6,960.16	2,074.57	-6,991.56	7,208.19	3.82	1.02	3.68	
12,510.00	91.05	271.16	6,958.33	2,077.23	-7,086.50	7,302.62	0.94	-0.12	-0.94	
12,606.00	91.02	270.10	6,956.59	2,078.29	-7,182.48	7,397.86	1.10	-0.03	-1.10	
12,700.00	90.73	272.00	6,955.16	2,080.01	-7,276.45	7,491.19	2.04	-0.31	2.02	
12,796.00	87.30	271.89	6,956.81	2,083.27	-7,372.36	7,586.66	3.57	-3.57	-0.11	
12,891.00	87.56	272.70	6,961.07	2,087.07	-7,467.19	7,681.13	0.89	0.27	0.85	
12,985.00	87.35	271.73	6,965.24	2,090.70	-7,561.03	7,774.59	1.05	-0.22	-1.03	

Survey Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-03
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4861.00usft
Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4861.00usft
Well:	SHELTON 25W-25-03	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)	
13,080.00	89.94	272.25	6,967.49	2,093.99	-7,655.93	7,869.07	2.78	2.73	0.55	
13,176.00	89.83	271.75	6,967.68	2,097.35	-7,751.87	7,964.58	0.53	-0.11	-0.52	
13,271.00	89.66	271.15	6,968.10	2,099.75	-7,846.84	8,059.00	0.66	-0.18	-0.63	
13,366.00	89.23	269.68	6,969.03	2,100.44	-7,941.83	8,153.21	1.61	-0.45	-1.55	
13,461.00	88.93	269.69	6,970.55	2,099.91	-8,036.82	8,247.25	0.32	-0.32	0.01	
13,557.00	88.32	269.55	6,972.85	2,099.28	-8,132.79	8,342.25	0.65	-0.64	-0.15	
13,652.00	87.89	269.79	6,976.00	2,098.73	-8,227.73	8,436.24	0.52	-0.45	0.25	
13,747.00	89.13	270.01	6,978.47	2,098.57	-8,322.70	8,530.31	1.33	1.31	0.23	
13,843.00	88.52	269.38	6,980.43	2,098.06	-8,418.68	8,625.33	0.91	-0.64	-0.66	
13,938.00	90.62	271.03	6,981.15	2,098.40	-8,513.67	8,719.49	2.81	2.21	1.74	
14,033.00	90.31	270.66	6,980.38	2,099.80	-8,608.65	8,813.79	0.51	-0.33	-0.39	
14,128.00	90.16	270.32	6,979.99	2,100.61	-8,703.65	8,908.02	0.39	-0.16	-0.36	
14,222.00	89.58	268.56	6,980.20	2,099.69	-8,797.64	9,001.02	1.97	-0.62	-1.87	
14,317.00	89.48	269.13	6,980.98	2,097.77	-8,892.62	9,094.86	0.61	-0.11	0.60	
14,412.00	89.25	267.67	6,982.03	2,095.12	-8,987.57	9,188.58	1.56	-0.24	-1.54	
14,507.00	89.48	269.83	6,983.09	2,093.05	-9,082.54	9,282.39	2.29	0.24	2.27	
14,602.00	87.64	272.36	6,985.47	2,094.86	-9,177.48	9,376.70	3.29	-1.94	2.66	
14,697.00	87.62	273.08	6,989.40	2,099.37	-9,272.29	9,471.25	0.76	-0.02	0.76	
14,887.00	86.81	271.05	6,998.63	2,106.21	-9,461.93	9,660.07	1.15	-0.43	-1.07	
14,982.00	86.83	270.67	7,003.90	2,107.63	-9,556.77	9,754.23	0.40	0.02	-0.40	
15,076.00	86.86	271.41	7,009.08	2,109.33	-9,650.61	9,847.43	0.79	0.03	0.79	
15,172.00	86.52	269.43	7,014.62	2,110.04	-9,746.45	9,942.48	2.09	-0.35	-2.06	
15,267.00	88.05	269.99	7,019.12	2,109.56	-9,841.33	10,036.43	1.71	1.61	0.59	
15,362.00	87.67	268.94	7,022.67	2,108.67	-9,936.26	10,130.36	1.17	-0.40	-1.11	
15,457.00	87.40	267.82	7,026.75	2,105.99	-10,031.14	10,223.99	1.21	-0.28	-1.18	
15,552.00	88.53	269.72	7,030.13	2,103.95	-10,126.05	10,317.75	2.33	1.19	2.00	
15,646.00	88.88	269.13	7,032.25	2,103.01	-10,220.02	10,410.73	0.73	0.37	-0.63	
15,740.00	88.94	268.97	7,034.04	2,101.45	-10,313.99	10,503.62	0.18	0.06	-0.17	
15,835.00	88.64	270.13	7,036.05	2,100.70	-10,408.96	10,597.62	1.26	-0.32	1.22	
15,930.00	88.44	268.89	7,038.47	2,099.89	-10,503.93	10,691.60	1.32	-0.21	-1.31	
16,025.00	88.11	267.78	7,041.33	2,097.13	-10,598.84	10,785.26	1.22	-0.35	-1.17	
16,119.00	90.17	269.81	7,042.74	2,095.16	-10,692.80	10,878.09	3.08	2.19	2.16	
16,215.00	89.08	269.01	7,043.37	2,094.17	-10,788.79	10,973.06	1.41	-1.14	-0.83	
16,310.00	89.32	270.07	7,044.69	2,093.41	-10,883.78	11,067.06	1.14	0.25	1.12	
16,405.00	89.66	269.15	7,045.54	2,092.76	-10,978.77	11,161.09	1.03	0.36	-0.97	
16,500.00	89.61	268.91	7,046.14	2,091.15	-11,073.75	11,254.98	0.26	-0.05	-0.25	
16,595.00	88.61	268.43	7,047.62	2,088.95	-11,168.72	11,348.77	1.17	-1.05	-0.51	
16,690.00	88.86	271.83	7,049.72	2,089.16	-11,263.68	11,442.89	3.59	0.26	3.58	
16,785.00	88.88	267.71	7,051.59	2,088.78	-11,358.64	11,536.92	4.34	0.02	-4.34	
16,880.00	88.46	269.77	7,053.80	2,086.69	-11,453.59	11,630.71	2.21	-0.44	2.17	
16,974.00	90.01	272.72	7,055.05	2,088.73	-11,547.54	11,724.07	3.54	1.65	3.14	
17,069.00	90.16	272.14	7,054.91	2,092.76	-11,642.46	11,818.66	0.63	0.16	-0.61	
17,164.00	91.19	272.43	7,053.79	2,096.55	-11,737.37	11,913.21	1.13	1.08	0.31	

Survey Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-03
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4861.00usft
Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4861.00usft
Well:	SHELTON 25W-25-03	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	89.78	272.38	7,052.98	2,100.58	-11,833.28	12,008.78	1.47	-1.47	-0.05
17,354.00	89.88	271.27	7,053.26	2,103.57	-11,927.23	12,102.27	1.19	0.11	-1.18
17,450.00	91.61	271.38	7,052.01	2,105.79	-12,023.19	12,197.65	1.81	1.80	0.11
17,545.00	89.17	270.93	7,051.36	2,107.71	-12,118.17	12,292.00	2.61	-2.57	-0.47
17,640.00	89.41	270.51	7,052.54	2,108.90	-12,213.15	12,386.27	0.51	0.25	-0.44
17,735.00	89.60	270.55	7,053.36	2,109.78	-12,308.14	12,480.51	0.20	0.20	0.04
17,830.00	90.03	269.98	7,053.67	2,110.22	-12,403.14	12,574.69	0.75	0.45	-0.60
17,926.00	89.11	270.95	7,054.39	2,111.00	-12,499.13	12,669.90	1.39	-0.96	1.01
18,020.00	89.89	269.68	7,055.21	2,111.51	-12,593.12	12,763.10	1.59	0.83	-1.35
18,115.00	88.69	270.10	7,056.39	2,111.33	-12,688.12	12,857.19	1.34	-1.26	0.44
18,210.00	88.44	270.69	7,058.77	2,111.99	-12,783.08	12,951.37	0.67	-0.26	0.62
18,304.00	88.54	269.30	7,061.24	2,111.98	-12,877.05	13,044.46	1.48	0.11	-1.48
18,399.00	90.73	269.06	7,061.85	2,110.62	-12,972.03	13,138.39	2.32	2.31	-0.25
18,494.00	91.15	267.19	7,060.29	2,107.51	-13,066.96	13,232.02	2.02	0.44	-1.97
18,589.00	90.69	270.28	7,058.76	2,105.41	-13,161.92	13,325.81	3.29	-0.48	3.25
18,682.00	91.27	268.96	7,057.17	2,104.80	-13,254.90	13,417.86	1.55	0.62	-1.42
18,777.00	92.00	271.31	7,054.46	2,105.02	-13,349.85	13,511.96	2.59	0.77	2.47
18,872.00	93.03	271.86	7,050.29	2,107.65	-13,444.72	13,606.31	1.23	1.08	0.58
19,063.00	91.12	270.63	7,043.38	2,111.79	-13,635.54	13,795.93	1.19	-1.00	-0.64
19,158.00	91.35	271.49	7,041.33	2,113.55	-13,730.50	13,890.26	0.94	0.24	0.91
19,252.00	91.44	270.76	7,039.04	2,115.39	-13,824.45	13,983.59	0.78	0.10	-0.78
19,347.00	91.64	269.46	7,036.49	2,115.58	-13,919.42	14,077.71	1.38	0.21	-1.37
19,442.00	92.04	269.26	7,033.44	2,114.51	-14,014.36	14,171.63	0.47	0.42	-0.21
19,633.00	92.07	267.27	7,026.59	2,108.74	-14,205.14	14,359.87	1.04	0.02	-1.04
19,727.00	91.25	270.20	7,023.86	2,106.66	-14,299.07	14,452.65	3.24	-0.87	3.12
19,823.00	91.15	270.69	7,021.85	2,107.41	-14,395.04	14,547.84	0.52	-0.10	0.51
19,918.00	91.06	271.33	7,020.02	2,109.08	-14,490.01	14,642.16	0.68	-0.09	0.67
20,013.00	91.01	270.17	7,018.31	2,110.33	-14,584.99	14,736.42	1.22	-0.05	-1.22
20,108.00	91.43	270.93	7,016.28	2,111.24	-14,679.96	14,830.64	0.91	0.44	0.80
20,204.00	91.39	270.28	7,013.92	2,112.25	-14,775.92	14,925.86	0.68	-0.04	-0.68
20,299.00	91.87	269.65	7,011.22	2,112.19	-14,870.88	15,019.94	0.83	0.51	-0.66
20,393.00	91.91	269.24	7,008.12	2,111.28	-14,964.83	15,112.89	0.44	0.04	-0.44
20,488.00	92.44	269.04	7,004.51	2,109.86	-15,059.75	15,206.74	0.60	0.56	-0.21
20,583.00	93.70	268.63	6,999.43	2,107.93	-15,154.59	15,300.45	1.39	1.33	-0.43
20,678.00	94.04	267.23	6,993.01	2,104.51	-15,249.31	15,393.83	1.51	0.36	-1.47
LAST SURVEY - 20678' MD, 6993' TVD									
20,780.00	94.04	267.23	6,985.83	2,099.59	-15,350.94	15,493.86	0.00	0.00	0.00
EXTRAPOLATION TO TD - 20780' MD, 860' FNL, 150' FWL SEC 27									

Survey Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well SHELTON 25W-25-03
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4861.00usft
Site:	SEC 25-T4N-R65W	MD Reference:	KB 25' @ 4861.00usft
Well:	SHELTON 25W-25-03	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-03 - actual wellpath misses target center by 27.70usft at 7885.73usft MD (6935.78 TVD, 2106.59 N, -2464.87 E) - Point	0.00	0.00	6,940.00	2,079.21	-2,464.80	1,349,073.31	3,247,658.69	40.288203°N	104.612223°W
PBHL-SHELTON 25W-0 - actual wellpath misses target center by 73.34usft at 20774.02usft MD (6986.25 TVD, 2099.88 N, -15344.97 E) - Point	0.00	0.00	7,050.00	2,135.58	-15,351.21	1,348,999.38	3,234,772.93	40.288345°N	104.658414°W

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
7,125.00	6,523.26	1,917.12	-1,903.56	KOP - 7125' MD, 6523' TVD	
7,885.67	6,935.77	2,106.58	-2,464.80	~2479' X-OVER PNT - 7885.67' MD, 798' FNL, 2479' FWL SEC 25	
7,923.00	6,940.49	2,107.22	-2,501.83	HZ LANDING PNT - 7923' MD, 6940' TVD	
20,678.00	6,993.01	2,104.51	-15,249.31	LAST SURVEY - 20678' MD, 6993' TVD	
20,780.00	6,985.83	2,099.59	-15,350.94	EXTRAPOLATION TO TD - 20780' MD, 860' FNL, 150' FWL SEC 27	

Checked By: _____	Approved By: _____	Date: _____
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