

CRESTONE PEAK RESOURCES

ARAPAHOE COUNTY

SEC 13-T5S-R65W

STATE HURON 5-65 13-18-17 4AH - AS BUILT

OWB

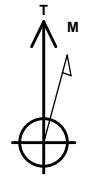
Design: FINAL

Standard Survey Report

13 December, 2025

Project: ARAPAHOE COUNTY
 Site: SEC 13-T5S-R65W
 Well: STATE HURON 5-65 13-18-17 4AH - AS BUILT
 Wellbore: OWB
 Design: FINAL

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



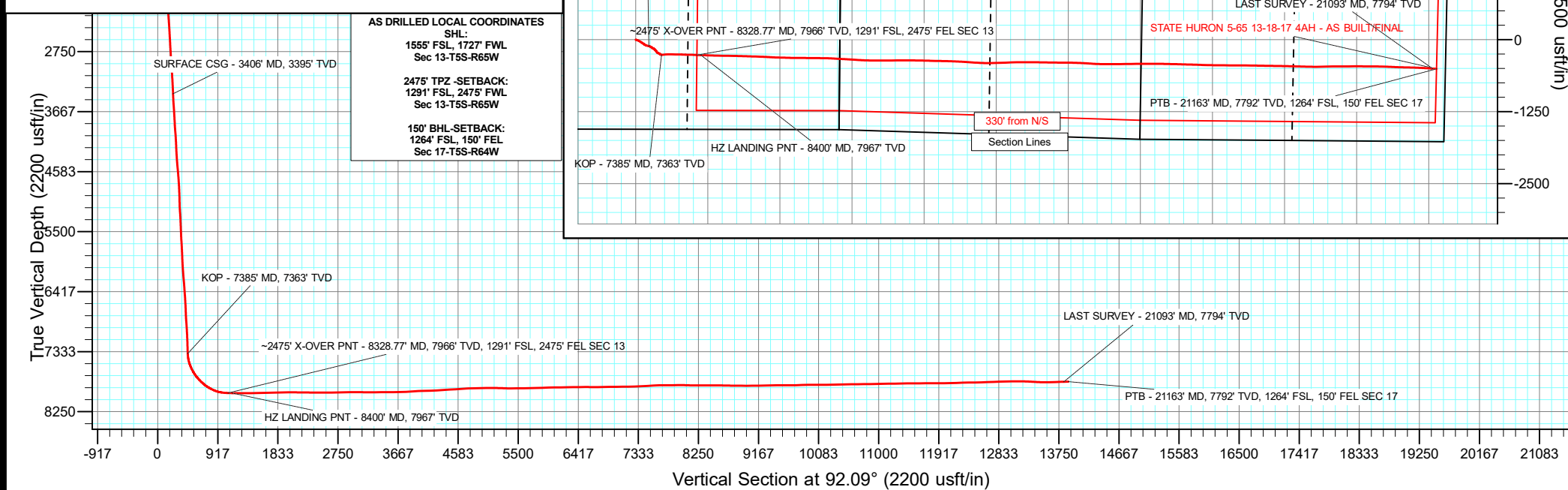
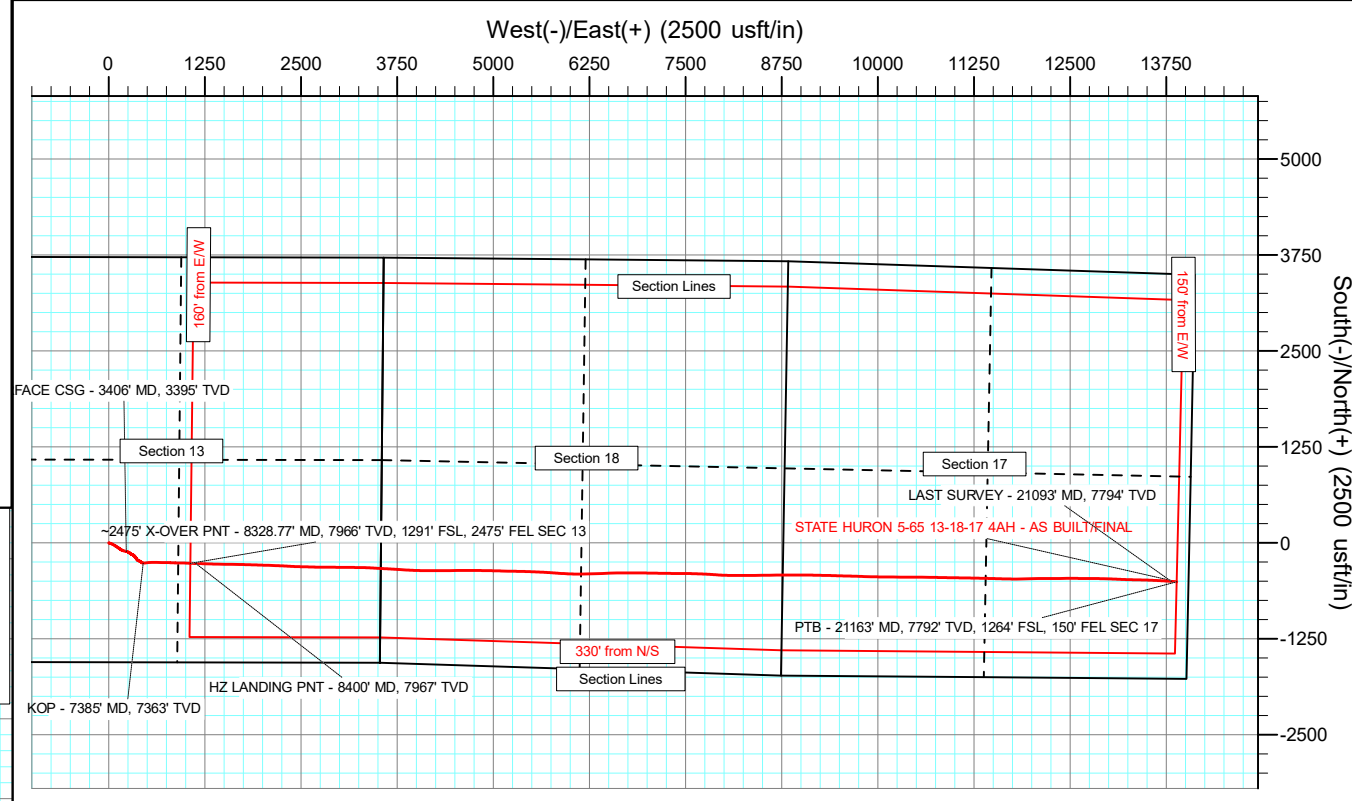
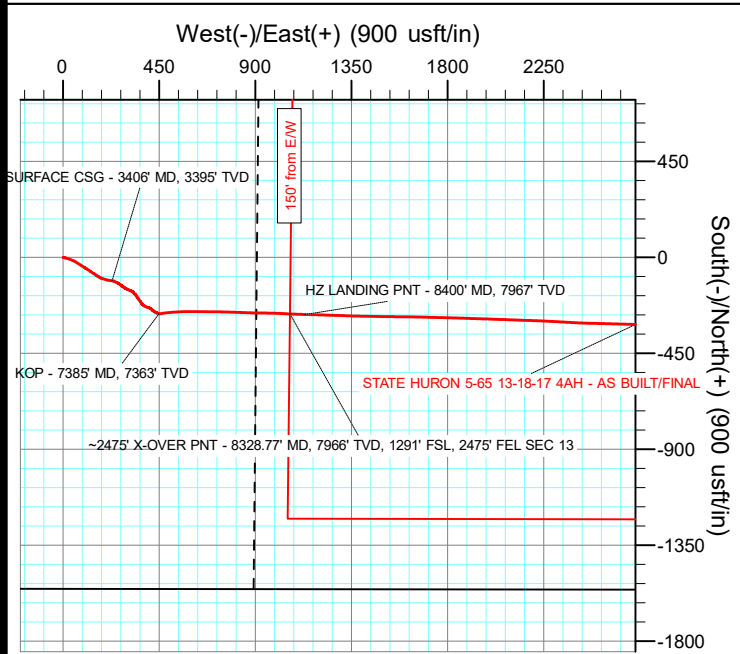
Azimuths to True North
 Magnetic North: 7.22°
 Magnetic Field
 Strength: 51074.4nT
 Dip Angle: 65.86°
 Date: 12/8/2025
 Model: IGRF2020

WELL DETAILS: STATE HURON 5-65 13-18-17 4AH - AS BUILT

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	1649607.75	3248860.07	39.613643°N	104.616654°W	

ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	VSec	Departure	Annotation
3406.00	2.43	95.38	3394.60	-110.14	229.85	233.71	257.82	SURFACE CSG - 3406' MD, 3395' TVD
7385.00	3.27	94.81	7363.43	-265.49	448.20	457.59	534.69	KOP - 7385' MD, 7363' TVD
8328.77	87.99	92.83	7965.57	-265.62	1061.89	1070.87	1148.31	~2475' X-OVER PNT - 8328.77' MD, 7966' TVD, 1291' FSL, 2475' FEL SEC 13
8400.00	89.88	91.14	7966.89	-268.08	1133.06	1142.08	1219.52	HZ LANDING PNT - 8400' MD, 7967' TVD
21093.00	91.47	94.53	7793.97	-501.09	13816.40	13825.49	13908.32	LAST SURVEY - 21093' MD, 7794' TVD
21163.00	91.47	94.53	7792.17	-506.61	13886.16	13895.40	13978.30	PTB - 21163' MD, 7792' TVD, 1264' FSL, 150' FEL SEC 17



Civitas Resources

Survey Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well STATE HURON 5-65 13-18-17 4AH - AS BUILT
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5918.00usft
Site:	SEC 13-T5S-R65W	MD Reference:	KB 25' @ 5918.00usft
Well:	STATE HURON 5-65 13-18-17 4AH - AS BUILT	North Reference:	True
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	FINAL	Database:	EDM

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

Site	SEC 13-T5S-R65W				
Site Position:		Northing:	1,648,038.50 usft	Latitude:	39.609381°N
From:	Lat/Long	Easting:	3,247,131.81 usft	Longitude:	104.622842°W
Position Uncertainty:	0.00 usft	Slot Radius:	13.200 in	Grid Convergence:	0.55 °

Well	STATE HURON 5-65 13-18-17 4AH - AS BUILT					
Well Position	+N/-S	0.00 usft	Northing:	1,649,607.75 usft	Latitude:	39.613643°N
	+E/-W	0.00 usft	Easting:	3,248,860.08 usft	Longitude:	104.616654°W
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	5,893.00 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	12/8/2025	7.22	65.86	51,074.37308973

Design	FINAL				
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	92.09	

Survey Program	Date	12/13/2025			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
208.00	21,163.00	FINAL (OWB)	MWD OWSG	OWSG MWD - Standard	

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
208.00	0.18	131.15	208.00	-0.21	0.25	0.25	0.09	0.09	0.00
297.00	1.86	99.82	296.98	-0.55	1.77	1.79	1.92	1.89	-35.20
386.00	3.54	106.74	385.88	-1.59	5.83	5.88	1.92	1.89	7.78
475.00	5.26	104.71	474.62	-3.42	12.41	12.52	1.94	1.93	-2.28
570.00	5.13	103.92	569.23	-5.55	20.74	20.93	0.16	-0.14	-0.83
664.00	5.74	111.76	662.80	-8.30	29.19	29.47	1.02	0.65	8.34
759.00	5.61	111.76	757.34	-11.78	37.91	38.32	0.14	-0.14	0.00
854.00	5.44	110.40	851.90	-15.07	46.44	46.96	0.23	-0.18	-1.43
948.00	5.79	119.52	945.45	-18.96	54.75	55.40	1.02	0.37	9.70

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Site:	SEC 13-T5S-R65W	MD Reference:	KB 25' @ 5918.00usft
Well:	STATE HURON 5-65 13-18-17 4AH - AS BUILT	North Reference:	True
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	FINAL	Database:	EDM

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)
1,043.00	6.10	122.34	1,039.94	-24.02	63.18	64.02	0.45	0.33	2.97
1,137.00	6.67	123.53	1,133.35	-29.71	71.95	72.99	0.62	0.61	1.27
1,231.00	6.58	121.64	1,226.73	-35.55	81.09	82.33	0.25	-0.10	-2.01
1,326.00	7.69	123.49	1,320.99	-41.92	91.02	92.49	1.19	1.17	1.95
1,421.00	7.42	122.08	1,415.16	-48.68	101.52	103.23	0.34	-0.28	-1.48
1,515.00	5.97	120.23	1,508.52	-54.37	110.89	112.80	1.56	-1.54	-1.97
1,610.00	5.30	124.32	1,603.06	-59.33	118.78	120.86	0.82	-0.71	4.31
1,705.00	5.35	123.84	1,697.65	-64.27	126.08	128.34	0.07	0.05	-0.51
1,799.00	4.29	126.04	1,791.32	-68.78	132.57	134.99	1.14	-1.13	2.34
1,894.00	4.15	122.91	1,886.06	-72.73	138.33	140.88	0.28	-0.15	-3.29
1,988.00	4.55	122.52	1,979.79	-76.59	144.32	147.02	0.43	0.43	-0.41
2,083.00	5.35	123.84	2,074.43	-81.08	151.18	154.04	0.85	0.84	1.39
2,178.00	4.64	128.07	2,169.07	-85.91	157.88	160.91	0.84	-0.75	4.45
2,272.00	4.91	119.26	2,262.75	-90.22	164.39	167.57	0.83	0.29	-9.37
2,367.00	3.98	120.01	2,357.46	-93.86	170.79	174.10	0.98	-0.98	0.79
2,461.00	3.62	115.38	2,451.25	-96.76	176.29	179.71	0.50	-0.38	-4.93
2,556.00	3.09	110.18	2,546.09	-98.93	181.41	184.89	0.64	-0.56	-5.47
2,650.00	2.83	106.92	2,639.97	-100.48	186.01	189.55	0.33	-0.28	-3.47
2,745.00	3.80	105.99	2,734.81	-102.03	191.28	194.87	1.02	1.02	-0.98
2,839.00	3.93	107.80	2,828.59	-103.88	197.34	200.99	0.19	0.14	1.93
2,934.00	3.93	105.46	2,923.37	-105.74	203.57	207.29	0.17	0.00	-2.46
3,029.00	3.62	100.57	3,018.16	-107.16	209.66	213.43	0.47	-0.33	-5.15
3,124.00	3.49	97.13	3,112.98	-108.07	215.48	219.27	0.26	-0.14	-3.62
3,309.00	2.78	99.95	3,297.70	-109.54	225.48	229.33	0.39	-0.38	1.52
3,406.00	2.43	95.38	3,394.60	-110.14	229.85	233.71	0.42	-0.36	-4.71
SURFACE CSG - 3406' MD, 3395' TVD									
3,480.00	2.17	90.92	3,468.54	-110.31	232.81	236.67	0.42	-0.35	-6.03
3,575.00	4.64	113.62	3,563.37	-111.88	238.13	242.05	2.91	2.60	23.89
3,669.00	4.15	116.00	3,657.09	-114.89	244.67	248.69	0.56	-0.52	2.53
3,764.00	3.40	116.52	3,751.89	-117.66	250.28	254.40	0.79	-0.79	0.55
3,859.00	2.83	114.01	3,846.75	-119.87	254.94	259.14	0.62	-0.60	-2.64
3,953.00	5.66	124.41	3,940.48	-123.43	260.89	265.21	3.11	3.01	11.06
4,048.00	4.95	125.38	4,035.07	-128.45	268.09	272.60	0.75	-0.75	1.02
4,142.00	3.58	129.70	4,128.81	-132.68	273.66	278.31	1.50	-1.46	4.60
4,237.00	2.43	127.45	4,223.68	-135.80	277.54	282.30	1.22	-1.21	-2.37
4,332.00	4.68	123.18	4,318.49	-139.14	282.38	287.27	2.38	2.37	-4.49
4,426.00	4.29	125.38	4,412.20	-143.28	288.46	293.49	0.45	-0.41	2.34
4,521.00	6.19	115.33	4,506.80	-147.52	295.98	301.17	2.21	2.00	-10.58
4,615.00	5.26	113.92	4,600.33	-151.44	304.50	309.82	1.00	-0.99	-1.50
4,710.00	4.46	113.62	4,694.99	-154.69	311.87	317.30	0.84	-0.84	-0.32
4,899.00	2.52	111.06	4,883.63	-159.12	322.48	328.07	1.03	-1.03	-1.35
4,994.00	1.86	121.77	4,978.56	-160.69	325.74	331.38	0.81	-0.69	11.27

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Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	FINAL	Database:	EDM

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)
5,088.00	2.61	156.23	5,072.49	-163.45	327.90	333.64	1.60	0.80	36.66
5,182.00	5.26	132.52	5,166.27	-168.32	331.94	337.86	3.25	2.82	-25.22
5,277.00	4.68	136.13	5,260.91	-174.06	337.83	343.96	0.69	-0.61	3.80
5,372.00	3.40	140.89	5,355.67	-179.04	342.30	348.60	1.39	-1.35	5.01
5,466.00	4.07	149.22	5,449.47	-184.07	345.76	352.24	0.92	0.71	8.86
5,561.00	3.89	148.38	5,544.25	-189.71	349.18	355.86	0.20	-0.19	-0.88
5,655.00	5.79	142.74	5,637.91	-196.20	353.72	360.64	2.08	2.02	-6.00
5,750.00	5.35	142.96	5,732.46	-203.54	359.29	366.47	0.46	-0.46	0.23
5,844.00	4.37	148.34	5,826.12	-210.09	363.81	371.23	1.15	-1.04	5.72
5,939.00	4.02	150.63	5,920.86	-216.07	367.34	374.98	0.41	-0.37	2.41
6,034.00	4.99	130.89	6,015.58	-221.68	372.10	379.93	1.91	1.02	-20.78
6,128.00	4.24	127.58	6,109.27	-226.48	377.94	385.95	0.85	-0.80	-3.52
6,222.00	5.83	113.04	6,202.91	-230.46	385.09	393.24	2.16	1.69	-15.47
6,317.00	4.73	111.76	6,297.50	-233.81	393.17	401.43	1.16	-1.16	-1.35
6,412.00	3.93	102.60	6,392.23	-235.97	399.98	408.32	1.11	-0.84	-9.64
6,507.00	4.77	117.76	6,486.96	-238.52	406.66	415.08	1.49	0.88	15.96
6,602.00	3.93	133.40	6,581.69	-242.59	412.52	421.09	1.52	-0.88	16.46
6,697.00	3.40	133.40	6,676.50	-246.77	416.93	425.65	0.56	-0.56	0.00
6,791.00	2.30	122.96	6,770.38	-249.71	420.54	429.36	1.29	-1.17	-11.11
6,886.00	4.86	121.55	6,865.19	-252.85	425.57	434.50	2.70	2.69	-1.48
6,981.00	4.29	119.70	6,959.88	-256.72	432.08	441.16	0.62	-0.60	-1.95
7,075.00	3.27	116.83	7,053.68	-259.67	437.53	446.71	1.10	-1.09	-3.05
7,169.00	2.34	121.42	7,147.56	-261.88	441.56	450.82	1.02	-0.99	4.88
7,263.00	1.94	120.58	7,241.50	-263.69	444.57	453.89	0.43	-0.43	-0.89
7,358.00	1.64	121.77	7,336.45	-265.22	447.11	456.48	0.32	-0.32	1.25
7,385.00	3.27	94.81	7,363.43	-265.49	448.20	457.59	7.24	6.03	-99.86
KOP - 7385' MD, 7363' TVD									
7,453.00	8.04	81.31	7,431.08	-264.94	454.84	464.20	7.24	7.02	-19.85
7,547.00	20.11	81.18	7,522.09	-261.45	477.39	486.61	12.84	12.84	-0.14
7,642.00	26.69	84.80	7,609.23	-257.01	514.82	523.85	7.09	6.93	3.81
7,736.00	35.48	88.85	7,689.66	-254.54	563.22	572.12	9.61	9.35	4.31
7,831.00	43.13	90.79	7,763.12	-254.44	623.34	632.21	8.16	8.05	2.04
7,926.00	49.62	90.70	7,828.63	-255.33	692.07	700.92	6.83	6.83	-0.09
8,021.00	60.05	91.41	7,883.27	-256.79	769.61	778.46	11.00	10.98	0.75
8,116.00	66.37	92.37	7,926.07	-259.60	854.32	863.22	6.71	6.65	1.01
8,210.00	79.41	90.08	7,953.66	-261.45	943.94	952.85	14.07	13.87	-2.44
8,305.00	87.36	93.39	7,964.60	-264.33	1,038.18	1,047.12	9.05	8.37	3.48
8,328.77	87.99	92.83	7,965.57	-265.62	1,061.89	1,070.87	3.56	2.65	-2.37
-2475' X-OVER PNT - 8328.77' MD, 7966' TVD, 1291' FSL, 2475' FEL SEC 13									
8,400.00	89.88	91.14	7,966.89	-268.08	1,133.06	1,142.08	3.56	2.65	-2.37
HZ LANDING PNT - 8400' MD, 7967' TVD									
8,494.00	89.93	92.02	7,967.05	-270.68	1,227.02	1,236.08	0.94	0.05	0.94
8,588.00	89.70	91.98	7,967.35	-273.96	1,320.97	1,330.08	0.25	-0.24	-0.04

Civitas Resources

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Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	FINAL	Database:	EDM

Survey										
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8,683.00	90.94	90.96	7,966.82	-276.39	1,415.93	1,425.07	1.69	1.31	-1.07	
8,778.00	91.56	90.88	7,964.75	-277.92	1,510.90	1,520.02	0.66	0.65	-0.08	
8,873.00	91.03	91.01	7,962.60	-279.48	1,605.86	1,614.98	0.57	-0.56	0.14	
8,968.00	91.25	91.01	7,960.71	-281.16	1,700.82	1,709.94	0.23	0.23	0.00	
9,062.00	91.16	91.49	7,958.73	-283.21	1,794.78	1,803.91	0.52	-0.10	0.51	
9,157.00	91.25	92.02	7,956.74	-286.12	1,889.71	1,898.89	0.57	0.09	0.56	
9,252.00	90.32	91.80	7,955.43	-289.28	1,984.65	1,993.88	1.01	-0.98	-0.23	
9,346.00	89.66	92.07	7,955.45	-292.46	2,078.60	2,087.88	0.76	-0.70	0.29	
9,440.00	88.51	91.98	7,956.95	-295.78	2,172.53	2,181.86	1.23	-1.22	-0.10	
9,535.00	90.23	92.73	7,958.00	-299.68	2,267.44	2,276.85	1.98	1.81	0.79	
9,629.00	89.00	93.52	7,958.63	-304.81	2,361.29	2,370.83	1.56	-1.31	0.84	
9,724.00	89.84	91.58	7,959.59	-309.03	2,456.19	2,465.82	2.23	0.88	-2.04	
9,818.00	90.81	91.36	7,959.06	-311.44	2,550.15	2,559.81	1.06	1.03	-0.23	
9,913.00	89.53	91.85	7,958.77	-314.10	2,645.11	2,654.81	1.44	-1.35	0.52	
10,008.00	92.14	90.17	7,957.39	-315.78	2,740.08	2,749.77	3.27	2.75	-1.77	
10,102.00	91.30	90.30	7,954.57	-316.16	2,834.03	2,843.68	0.90	-0.89	0.14	
10,196.00	90.46	90.92	7,953.12	-317.16	2,928.01	2,937.63	1.11	-0.89	0.66	
10,291.00	90.19	90.44	7,952.59	-318.29	3,023.01	3,032.60	0.58	-0.28	-0.51	
10,386.00	88.73	90.52	7,953.48	-319.09	3,118.00	3,127.56	1.54	-1.54	0.08	
10,480.00	90.28	90.83	7,954.29	-320.20	3,211.98	3,221.52	1.68	1.65	0.33	
10,575.00	90.19	90.96	7,953.90	-321.68	3,306.97	3,316.50	0.17	-0.09	0.14	
10,669.00	90.72	93.21	7,953.16	-325.10	3,400.90	3,410.49	2.46	0.56	2.39	
10,764.00	89.66	93.52	7,952.84	-330.67	3,495.73	3,505.47	1.16	-1.12	0.33	
10,858.00	91.43	92.60	7,951.95	-335.69	3,589.59	3,599.44	2.12	1.88	-0.98	
10,953.00	90.23	93.52	7,950.57	-340.76	3,684.44	3,694.42	1.59	-1.26	0.97	
11,047.00	93.64	93.65	7,947.40	-346.64	3,778.19	3,788.32	3.63	3.63	0.14	
11,142.00	93.68	93.87	7,941.33	-352.85	3,872.79	3,883.08	0.23	0.04	0.23	
11,237.00	92.84	91.93	7,935.93	-357.65	3,967.51	3,977.91	2.22	-0.88	-2.04	
11,331.00	91.07	91.45	7,932.72	-360.42	4,061.41	4,071.85	1.95	-1.88	-0.51	
11,426.00	92.14	89.42	7,930.06	-361.14	4,156.37	4,166.77	2.41	1.13	-2.14	
11,521.00	93.55	90.08	7,925.35	-360.73	4,251.25	4,261.57	1.64	1.48	0.69	
11,615.00	93.42	89.77	7,919.63	-360.61	4,345.07	4,355.33	0.36	-0.14	-0.33	
11,710.00	93.55	89.73	7,913.86	-360.19	4,439.89	4,450.08	0.14	0.14	-0.04	
11,805.00	93.59	89.47	7,907.94	-359.53	4,534.71	4,544.80	0.28	0.04	-0.27	
11,899.00	93.73	89.11	7,901.94	-358.37	4,628.51	4,638.50	0.41	0.15	-0.38	
11,994.00	93.33	90.35	7,896.09	-357.92	4,723.33	4,733.23	1.37	-0.42	1.31	
12,089.00	90.94	91.36	7,892.55	-359.34	4,818.24	4,828.14	2.73	-2.52	1.06	
12,182.00	90.72	90.92	7,891.21	-361.19	4,911.21	4,921.12	0.53	-0.24	-0.47	
12,276.00	91.43	91.23	7,889.44	-362.95	5,005.18	5,015.08	0.82	0.76	0.33	
12,371.00	89.48	91.54	7,888.69	-365.25	5,100.14	5,110.07	2.08	-2.05	0.33	
12,465.00	88.73	91.54	7,890.16	-367.77	5,194.10	5,204.05	0.80	-0.80	0.00	
12,560.00	87.54	90.92	7,893.25	-369.81	5,289.02	5,298.99	1.41	-1.25	-0.65	
12,654.00	90.01	91.41	7,895.26	-371.72	5,382.97	5,392.95	2.68	2.63	0.52	

Civitas Resources

Survey Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well STATE HURON 5-65 13-18-17 4AH - AS BUILT
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5918.00usft
Site:	SEC 13-T5S-R65W	MD Reference:	KB 25' @ 5918.00usft
Well:	STATE HURON 5-65 13-18-17 4AH - AS BUILT	North Reference:	True
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	FINAL	Database:	EDM

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)
12,749.00	91.38	92.24	7,894.11	-374.75	5,477.92	5,487.94	1.69	1.44	0.87
12,844.00	90.85	92.42	7,892.26	-378.61	5,572.82	5,582.92	0.59	-0.56	0.19
12,938.00	91.38	92.95	7,890.43	-383.01	5,666.70	5,676.89	0.80	0.56	0.56
13,032.00	91.34	94.53	7,888.20	-389.14	5,760.47	5,770.83	1.68	-0.04	1.68
13,127.00	91.83	93.61	7,885.57	-395.88	5,855.19	5,865.73	1.10	0.52	-0.97
13,221.00	91.74	93.34	7,882.64	-401.58	5,948.97	5,959.66	0.30	-0.10	-0.29
13,316.00	90.72	91.01	7,880.60	-405.18	6,043.87	6,054.63	2.68	-1.07	-2.45
13,410.00	90.59	89.38	7,879.53	-405.50	6,137.86	6,148.57	1.74	-0.14	-1.73
13,504.00	91.07	88.10	7,878.17	-403.43	6,231.83	6,242.40	1.45	0.51	-1.36
13,599.00	91.16	88.50	7,876.32	-400.62	6,326.77	6,337.17	0.43	0.09	0.42
13,693.00	90.81	87.92	7,874.70	-397.68	6,420.71	6,430.94	0.72	-0.37	-0.62
13,787.00	89.88	88.36	7,874.14	-394.63	6,514.66	6,524.71	1.09	-0.99	0.47
13,881.00	89.40	88.59	7,874.73	-392.13	6,608.62	6,618.52	0.57	-0.51	0.24
13,976.00	90.99	90.39	7,874.40	-391.28	6,703.61	6,713.42	2.53	1.67	1.89
14,071.00	90.19	89.69	7,873.42	-391.35	6,798.60	6,808.35	1.12	-0.84	-0.74
14,165.00	91.60	90.52	7,871.96	-391.52	6,892.59	6,902.28	1.74	1.50	0.88
14,260.00	90.41	90.66	7,870.29	-392.50	6,987.57	6,997.23	1.26	-1.25	0.15
14,355.00	90.81	91.14	7,869.28	-393.99	7,082.55	7,092.21	0.66	0.42	0.51
14,448.00	90.50	90.92	7,868.22	-395.66	7,175.53	7,185.18	0.41	-0.33	-0.24
14,542.00	92.49	90.79	7,865.76	-397.06	7,269.48	7,279.12	2.12	2.12	-0.14
14,637.00	92.49	90.26	7,861.64	-397.93	7,364.39	7,374.00	0.56	0.00	-0.56
14,732.00	92.71	90.08	7,857.33	-398.21	7,459.29	7,468.85	0.30	0.23	-0.19
14,826.00	93.50	91.41	7,852.23	-399.43	7,553.14	7,562.68	1.64	0.84	1.41
14,921.00	91.87	91.93	7,847.78	-402.20	7,647.99	7,657.57	1.80	-1.72	0.55
15,015.00	89.93	92.46	7,846.31	-405.80	7,741.91	7,751.55	2.14	-2.06	0.56
15,110.00	90.54	93.74	7,845.92	-410.94	7,836.76	7,846.54	1.49	0.64	1.35
15,204.00	90.50	94.40	7,845.07	-417.61	7,930.52	7,940.48	0.70	-0.04	0.70
15,299.00	88.64	91.14	7,845.78	-422.20	8,025.39	8,035.45	3.95	-1.96	-3.43
15,393.00	87.98	90.74	7,848.55	-423.74	8,119.34	8,129.39	0.82	-0.70	-0.43
15,488.00	90.94	90.22	7,849.45	-424.54	8,214.32	8,224.34	3.16	3.12	-0.55
15,583.00	90.50	89.60	7,848.25	-424.39	8,309.31	8,319.26	0.80	-0.46	-0.65
15,677.00	89.66	89.07	7,848.12	-423.30	8,403.30	8,413.15	1.06	-0.89	-0.56
15,771.00	89.48	89.29	7,848.83	-421.95	8,497.29	8,507.03	0.30	-0.19	0.23
15,866.00	89.22	89.25	7,849.90	-420.74	8,592.28	8,601.90	0.28	-0.27	-0.04
15,961.00	88.60	89.16	7,851.71	-419.42	8,687.25	8,696.77	0.66	-0.65	-0.09
16,056.00	89.66	89.69	7,853.15	-418.47	8,782.23	8,791.65	1.25	1.12	0.56
16,150.00	88.95	89.77	7,854.29	-418.03	8,876.22	8,885.56	0.76	-0.76	0.09
16,244.00	90.63	90.44	7,854.64	-418.20	8,970.22	8,979.50	1.92	1.79	0.71
16,339.00	89.84	90.26	7,854.25	-418.78	9,065.22	9,074.46	0.85	-0.83	-0.19
16,433.00	91.60	91.32	7,853.07	-420.08	9,159.20	9,168.42	2.19	1.87	1.13
16,528.00	90.99	91.32	7,850.92	-422.26	9,254.15	9,263.39	0.64	-0.64	0.00
16,622.00	90.99	90.96	7,849.30	-424.13	9,348.11	9,357.36	0.38	0.00	-0.38

Civitas Resources

Survey Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well STATE HURON 5-65 13-18-17 4AH - AS BUILT
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5918.00usft
Site:	SEC 13-T5S-R65W	MD Reference:	KB 25' @ 5918.00usft
Well:	STATE HURON 5-65 13-18-17 4AH - AS BUILT	North Reference:	True
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	FINAL	Database:	EDM

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)
16,716.00	90.90	92.15	7,847.75	-426.68	9,442.06	9,451.34	1.27	-0.10	1.27
16,811.00	90.01	91.45	7,846.99	-429.67	9,537.01	9,546.34	1.19	-0.94	-0.74
16,906.00	89.44	91.32	7,847.45	-431.96	9,631.98	9,641.33	0.62	-0.60	-0.14
17,000.00	91.87	91.93	7,846.37	-434.63	9,725.93	9,735.31	2.67	2.59	0.65
17,095.00	91.78	91.71	7,843.35	-437.64	9,820.84	9,830.26	0.25	-0.09	-0.23
17,190.00	90.81	91.63	7,841.20	-440.41	9,915.77	9,925.23	1.02	-1.02	-0.08
17,284.00	90.32	91.19	7,840.27	-442.72	10,009.74	10,019.22	0.70	-0.52	-0.47
17,378.00	89.44	90.61	7,840.47	-444.20	10,103.72	10,113.20	1.12	-0.94	-0.62
17,473.00	91.16	90.30	7,839.97	-444.96	10,198.72	10,208.16	1.84	1.81	-0.33
17,568.00	90.41	90.22	7,838.67	-445.39	10,293.70	10,303.10	0.79	-0.79	-0.08
17,662.00	92.14	90.48	7,836.58	-445.96	10,387.68	10,397.03	1.86	1.84	0.28
17,757.00	91.69	90.17	7,833.41	-446.50	10,482.62	10,491.93	0.58	-0.47	-0.33
17,851.00	90.72	90.74	7,831.43	-447.25	10,576.60	10,585.87	1.20	-1.03	0.61
17,945.00	90.50	90.66	7,830.43	-448.39	10,670.58	10,679.84	0.25	-0.23	-0.09
18,040.00	89.88	91.01	7,830.11	-449.78	10,765.57	10,774.81	0.75	-0.65	0.37
18,135.00	91.87	91.36	7,828.66	-451.74	10,860.54	10,869.79	2.13	2.09	0.37
18,229.00	91.07	90.70	7,826.25	-453.43	10,954.49	10,963.74	1.10	-0.85	-0.70
18,323.00	90.72	91.19	7,824.78	-454.98	11,048.46	11,057.71	0.64	-0.37	0.52
18,417.00	91.03	90.61	7,823.35	-456.46	11,142.44	11,151.67	0.70	0.33	-0.62
18,512.00	90.68	91.23	7,821.93	-457.98	11,237.42	11,246.64	0.75	-0.37	0.65
18,607.00	90.99	91.36	7,820.55	-460.13	11,332.38	11,341.62	0.35	0.33	0.14
18,701.00	91.25	91.45	7,818.71	-462.43	11,426.34	11,435.60	0.29	0.28	0.10
18,795.00	90.41	91.67	7,817.35	-464.99	11,520.29	11,529.58	0.92	-0.89	0.23
18,890.00	89.66	91.45	7,817.29	-467.58	11,615.25	11,624.58	0.82	-0.79	-0.23
18,984.00	91.12	91.05	7,816.65	-469.63	11,709.23	11,718.56	1.61	1.55	-0.43
19,078.00	89.57	89.77	7,816.08	-470.30	11,803.22	11,812.52	2.14	-1.65	-1.36
19,172.00	90.94	88.32	7,815.66	-468.74	11,897.20	11,906.38	2.12	1.46	-1.54
19,267.00	89.79	87.88	7,815.06	-465.59	11,992.14	12,001.15	1.30	-1.21	-0.46
19,361.00	91.96	89.95	7,813.62	-463.81	12,086.11	12,094.98	3.19	2.31	2.20
19,455.00	91.65	90.26	7,810.66	-463.98	12,180.06	12,188.88	0.47	-0.33	0.33
19,549.00	91.52	90.39	7,808.06	-464.51	12,274.02	12,282.80	0.20	-0.14	0.14
19,643.00	90.99	89.51	7,806.00	-464.43	12,368.00	12,376.71	1.09	-0.56	-0.94
19,737.00	90.37	88.06	7,804.89	-462.44	12,461.97	12,470.54	1.68	-0.66	-1.54
19,832.00	91.91	91.14	7,803.00	-461.77	12,556.93	12,565.42	3.62	1.62	3.24
19,926.00	92.27	90.13	7,799.57	-462.81	12,650.86	12,659.32	1.14	0.38	-1.07
20,020.00	91.91	89.91	7,796.14	-462.85	12,744.80	12,753.20	0.45	-0.38	-0.23
20,114.00	92.40	91.45	7,792.61	-463.96	12,838.72	12,847.10	1.72	0.52	1.64
20,208.00	91.47	91.76	7,789.43	-466.59	12,932.63	12,941.04	1.04	-0.99	0.33
20,302.00	91.16	91.71	7,787.27	-469.44	13,026.56	13,035.02	0.33	-0.33	-0.05
20,397.00	89.40	92.86	7,786.81	-473.23	13,121.48	13,130.01	2.21	-1.85	1.21
20,491.00	88.69	92.07	7,788.38	-477.27	13,215.38	13,223.99	1.13	-0.76	-0.84
20,585.00	86.39	91.36	7,792.41	-480.08	13,309.24	13,317.90	2.56	-2.45	-0.76
20,678.00	87.27	91.10	7,797.55	-482.07	13,402.08	13,410.74	0.99	0.95	-0.28

Civitas Resources

Survey Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well STATE HURON 5-65 13-18-17 4AH - AS BUILT
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5918.00usft
Site:	SEC 13-T5S-R65W	MD Reference:	KB 25' @ 5918.00usft
Well:	STATE HURON 5-65 13-18-17 4AH - AS BUILT	North Reference:	True
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	FINAL	Database:	EDM

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)
20,773.00	88.64	91.71	7,800.94	-484.40	13,496.99	13,505.67	1.58	1.44	0.64
20,867.00	91.21	92.68	7,801.07	-488.00	13,590.91	13,599.67	2.92	2.73	1.03
20,961.00	92.36	92.95	7,798.14	-492.61	13,684.75	13,693.61	1.26	1.22	0.29
21,055.00	91.52	93.96	7,794.96	-498.28	13,778.52	13,787.53	1.40	-0.89	1.07
21,093.00	91.47	94.53	7,793.97	-501.09	13,816.40	13,825.49	1.51	-0.13	1.50
LAST SURVEY - 21093' MD, 7794' TVD									
21,163.00	91.47	94.53	7,792.17	-506.61	13,886.16	13,895.40	0.00	0.00	0.00
PTB - 21163' MD, 7792' TVD, 1264' FSL, 150' FEL SEC 17									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
PBHL-ST. HURON 4AH - hit/miss target - Shape - Point	0.00	0.00	7,835.00	-550.21	13,886.02	1,649,192.59	3,262,750.45	39.612122°N	104.567368°W
- actual wellpath misses target center by 61.12usft at 21163.00usft MD (7792.17 TVD, -506.61 N, 13886.16 E)									
LP-ST. HURON 4AH (P: - actual wellpath misses target center by 71.29usft at 8331.31usft MD (7965.65 TVD, -265.74 N, 1064.43 E) - Point	0.00	0.00	7,970.00	-336.85	1,061.89	1,649,281.25	3,249,925.16	39.612718°N	104.612885°W

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Comment	
3,406.00	3,394.60	-110.14	229.85	SURFACE CSG - 3406' MD, 3395' TVD	
7,385.00	7,363.43	-265.49	448.20	KOP - 7385' MD, 7363' TVD	
8,328.77	7,965.57	-265.62	1,061.89	~2475' X-OVER PNT - 8328.77' MD, 7966' TVD, 1291' FSL, 2475' FEL SEC 13	
8,400.00	7,966.89	-268.08	1,133.06	HZ LANDING PNT - 8400' MD, 7967' TVD	
21,093.00	7,793.97	-501.09	13,816.40	LAST SURVEY - 21093' MD, 7794' TVD	
21,163.00	7,792.17	-506.61	13,886.16	PTB - 21163' MD, 7792' TVD, 1264' FSL, 150' FEL SEC 17	

Checked By: _____ Approved By: _____ Date: _____