

CRESTONE PEAK RESOURCES

**ADAMS COUNTY
SEC 28-T3S-R65W
KING 3-65 28-29 2AH**

OWB

Design: FINAL SURVEY

Standard Survey Report

20 May, 2024

Project: ADAMS COUNTY
Site: SEC 28-T3S-R65W
Well: KING 3-65 28-29 2AH
Wellbore: OWB
Design: FINAL SURVEY

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



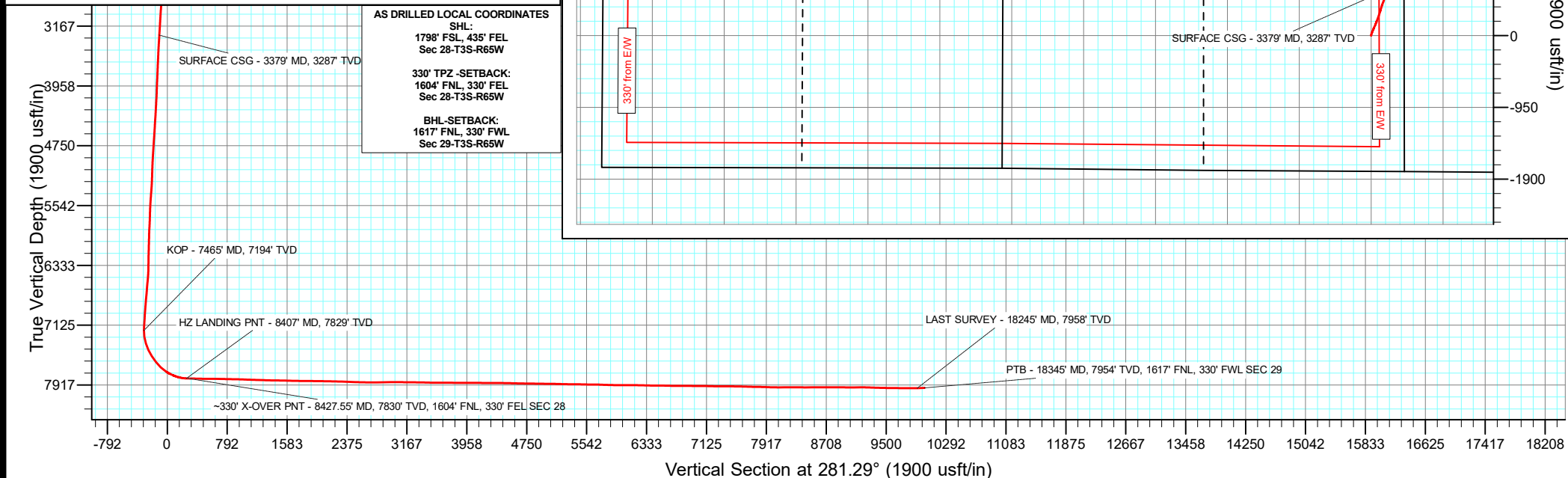
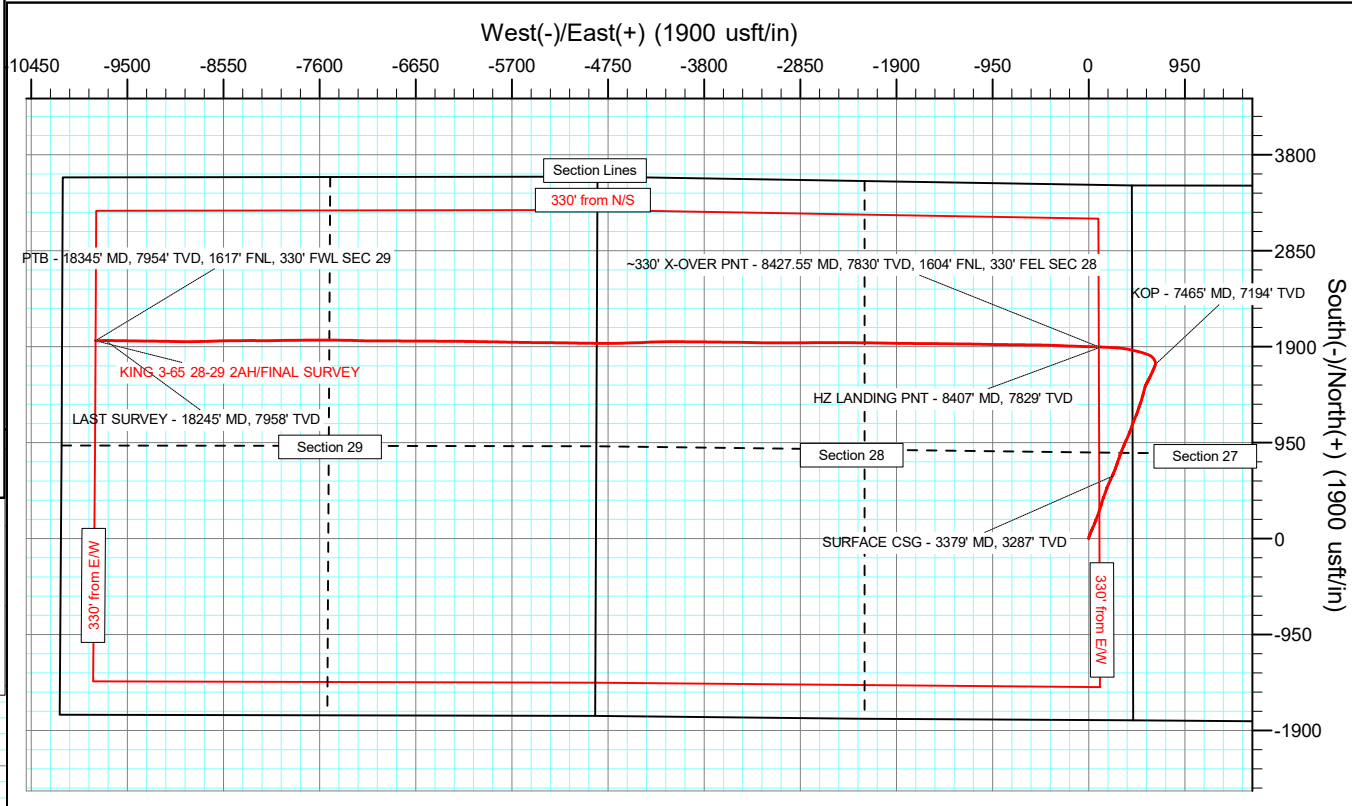
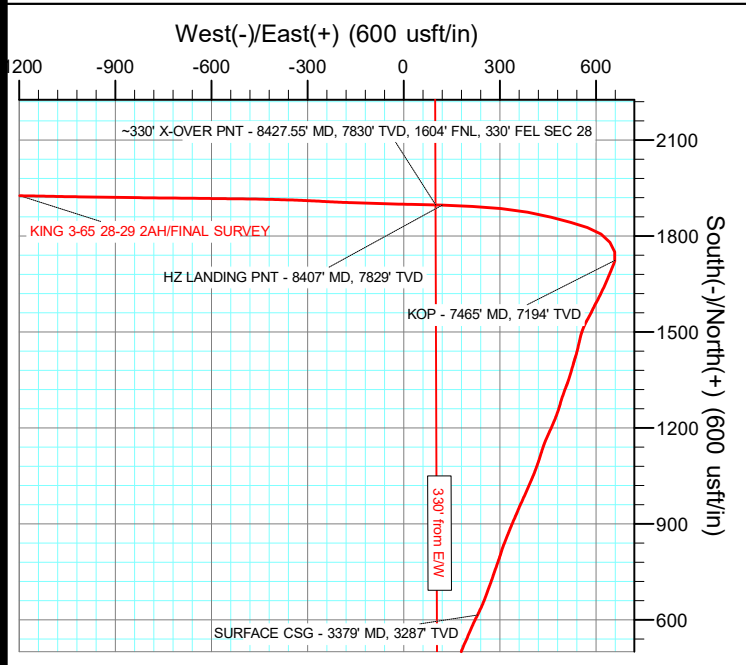
Azimuths to True North
Magnetic North: 7.43°
Magnetic Field
Strength: 51314.9nT
Dip Angle: 66.04°
Date: 5/14/2024
Model: IGRF2020

WELL DETAILS: KING 3-65 28-29 2AH

+N/-S	+E/-W	Northing	Easting	5585.00	Latitude	Longitude	Slot
0.00	0.00	1156331.56	3235875.59		39.759434°N	104.660996°W	

ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Departure	Annotation
3379.00	12.95	26.20	3286.52	614.79	230.37	-105.56	662.51	SURFACE CSG - 3379' MD, 3287' TVD
7465.00	16.93	15.99	7193.93	1723.92	659.30	-309.07	1854.42	KOP - 7465' MD, 7194' TVD
8407.00	88.51	271.61	7829.23	1896.28	120.33	253.21	2461.95	HZ LANDING PNT - 8407' MD, 7829' TVD
8427.55	88.54	271.54	7829.76	1896.85	99.80	273.46	2482.49	~330' X-OVER PNT - 8427.55' MD, 7830' TVD, 1604' FNL, 330' FEL SEC 28
18245.00	91.74	269.85	7957.52	1959.46	-9714.58	9910.20	12298.29	LAST SURVEY - 18245' MD, 7958' TVD
18345.00	91.74	269.85	7954.48	1959.20	-9814.53	10008.17	12398.24	PTB - 18345' MD, 7954' TVD, 1617' FNL, 330' FWL SEC 29



AS DRILLED LOCAL COORDINATES
SHL:
1798' FSL, 435' FEL
Sec 28-T3S-R65W

330' TPZ - SETBACK:
1604' FNL, 330' FEL
Sec 28-T3S-R65W

BHL-SETBACK:
1617' FNL, 330' FWL
Sec 29-T3S-R65W

Civitas Resources

Survey Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well KING 3-65 28-29 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5610.00usft
Site:	SEC 28-T3S-R65W	MD Reference:	KB 25' @ 5610.00usft
Well:	KING 3-65 28-29 2AH	North Reference:	True
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	FINAL SURVEY	Database:	EDM

Project	ADAMS 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 28-T3S-R65W					
Site Position:		Northing:	1,154,535.24	usft	Latitude:	39.754491°N	
From:	Lat/Long	Easting:	3,236,332.63	usft	Longitude:	104.659431°W	
Position Uncertainty:	0.00	usft	Slot Radius:	13.200	in	Grid Convergence:	0.54 °

Well	KING 3-65 28-29 2AH					
Well Position	+N/-S	0.00 usft	Northing:	1,156,331.56 usft	Latitude:	39.759434°N
	+E/-W	0.00 usft	Easting:	3,235,875.60 usft	Longitude:	104.660996°W
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	5,585.00 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	5/14/2024	7.43	66.04	51,314.89441387

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	281.29	

Survey Program	Date	5/20/2024			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
209.00	3,310.00	SURFACE SURVEY (OWB)	MWD OWSG	OWSG MWD - Standard	
3,387.00	18,345.00	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	
209.00	0.49	317.44	209.00	0.66	-0.60	0.72	0.23	0.23	0.00	
300.00	0.35	290.87	300.00	1.04	-1.13	1.31	0.26	-0.15	-29.20	
390.00	0.35	285.93	389.99	1.22	-1.65	1.85	0.03	0.00	-5.49	
480.00	0.27	237.20	479.99	1.18	-2.09	2.28	0.30	-0.09	-54.14	
574.00	0.35	254.07	573.99	0.98	-2.55	2.70	0.13	0.09	17.95	
667.00	0.57	244.47	666.99	0.70	-3.24	3.32	0.25	0.24	-10.32	
762.00	0.57	36.47	761.99	0.88	-3.39	3.50	1.16	0.00	160.00	
857.00	2.74	29.86	856.94	3.23	-1.98	2.57	2.29	2.28	-6.96	
951.00	5.92	18.05	950.66	9.79	0.64	1.28	3.50	3.38	-12.56	

Civitas Resources

Survey Report

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Well:	KING 3-65 28-29 2AH	North Reference:	True
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	FINAL SURVEY	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)
1,045.00	8.40	19.94	1,043.92	20.85	4.49	-0.32	2.65	2.64	2.01
1,141.00	9.32	20.65	1,138.78	34.72	9.62	-2.64	0.97	0.96	0.74
1,236.00	11.40	21.40	1,232.22	50.66	15.76	-5.54	2.19	2.19	0.79
1,331.00	11.89	22.90	1,325.27	68.42	22.99	-9.16	0.61	0.52	1.58
1,426.00	13.43	23.03	1,417.95	87.59	31.12	-13.37	1.62	1.62	0.14
1,520.00	15.78	23.91	1,508.91	109.32	40.57	-18.39	2.51	2.50	0.94
1,615.00	15.73	24.26	1,600.34	132.87	51.10	-24.10	0.11	-0.05	0.37
1,710.00	17.45	21.27	1,691.38	157.88	61.56	-29.46	2.02	1.81	-3.15
1,805.00	19.49	21.44	1,781.49	185.91	72.52	-34.72	2.15	2.15	0.18
1,900.00	19.62	20.43	1,871.01	215.61	83.88	-40.05	0.38	0.14	-1.06
1,994.00	20.37	19.72	1,959.34	245.80	94.91	-44.95	0.84	0.80	-0.76
2,089.00	19.71	17.48	2,048.59	276.65	105.30	-49.10	1.07	-0.69	-2.36
2,184.00	19.58	15.85	2,138.06	307.24	114.46	-52.10	0.59	-0.14	-1.72
2,278.00	17.45	18.93	2,227.19	335.73	123.33	-55.23	2.49	-2.27	3.28
2,372.00	16.39	17.08	2,317.12	361.74	131.80	-58.44	1.26	-1.13	-1.97
2,466.00	15.91	15.54	2,407.41	386.83	139.15	-60.73	0.68	-0.51	-1.64
2,560.00	16.75	21.97	2,497.63	411.80	147.67	-64.20	2.12	0.89	6.84
2,655.00	16.70	20.61	2,588.61	437.28	157.59	-68.94	0.42	-0.05	-1.43
2,750.00	16.00	19.02	2,679.77	462.43	166.67	-72.92	0.87	-0.74	-1.67
2,845.00	14.85	18.05	2,771.34	486.38	174.71	-76.11	1.24	-1.21	-1.02
2,940.00	16.66	22.54	2,862.77	510.54	183.70	-80.20	2.30	1.91	4.73
3,035.00	16.66	23.87	2,953.79	535.57	194.43	-85.82	0.40	0.00	1.40
3,129.00	15.86	23.43	3,044.03	559.68	204.99	-91.46	0.86	-0.85	-0.47
3,223.00	14.14	23.51	3,134.82	581.99	214.68	-96.59	1.83	-1.83	0.09
3,310.00	13.35	26.51	3,219.33	600.73	223.40	-101.48	1.22	-0.91	3.45
3,379.00	12.95	26.20	3,286.52	614.79	230.37	-105.56	0.59	-0.58	-0.45
SURFACE CSG - 3379' MD, 3287' TVD									
3,387.00	12.90	26.16	3,294.32	616.40	231.16	-106.02	0.59	-0.58	-0.47
3,482.00	14.63	24.97	3,386.59	636.79	240.90	-111.58	1.85	1.82	-1.25
3,577.00	16.22	21.44	3,478.16	660.02	250.81	-116.76	1.94	1.67	-3.72
3,671.00	15.42	19.64	3,568.60	684.01	259.81	-120.88	1.00	-0.85	-1.91
3,765.00	17.23	20.78	3,658.81	708.80	268.95	-125.00	1.96	1.93	1.21
3,860.00	16.26	18.18	3,749.78	734.59	278.09	-128.91	1.29	-1.02	-2.74
3,953.00	18.12	19.59	3,838.62	760.59	287.01	-132.56	2.05	2.00	1.52
4,049.00	17.32	19.33	3,930.07	788.14	296.74	-136.72	0.84	-0.83	-0.27
4,143.00	15.91	16.46	4,020.14	813.70	305.02	-139.83	1.74	-1.50	-3.05
4,237.00	17.06	21.93	4,110.28	838.85	313.83	-143.54	2.05	1.22	5.82
4,332.00	15.51	21.71	4,201.47	863.58	323.73	-148.41	1.63	-1.63	-0.23
4,426.00	16.66	21.84	4,291.79	887.76	333.39	-153.15	1.22	1.22	0.14
4,521.00	17.37	24.13	4,382.63	913.34	344.26	-158.80	1.03	0.75	2.41
4,615.00	15.33	22.19	4,472.82	937.66	354.69	-164.27	2.25	-2.17	-2.06
4,710.00	15.51	24.53	4,564.40	960.84	364.70	-169.55	0.68	0.19	2.46
4,805.00	17.19	23.78	4,655.56	985.24	375.64	-175.50	1.78	1.77	-0.79

Civitas Resources

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Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	FINAL SURVEY	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)	
4,995.00	16.08	23.82	4,837.60	1,035.01	397.59	-187.28	0.58	-0.58	0.02	
5,089.00	18.03	21.22	4,927.47	1,060.48	408.11	-192.61	2.23	2.07	-2.77	
5,185.00	16.88	19.24	5,019.05	1,087.49	418.08	-197.10	1.35	-1.20	-2.06	
5,279.00	15.33	16.95	5,109.36	1,112.26	426.20	-200.22	1.78	-1.65	-2.44	
5,374.00	16.35	18.05	5,200.75	1,136.99	434.00	-203.03	1.12	1.07	1.16	
5,468.00	17.68	23.29	5,290.64	1,162.68	443.75	-207.56	2.16	1.41	5.57	
5,563.00	19.09	24.48	5,380.79	1,190.07	455.89	-214.10	1.54	1.48	1.25	
5,658.00	18.91	23.12	5,470.61	1,218.37	468.37	-220.80	0.50	-0.19	-1.43	
5,752.00	17.99	19.50	5,559.78	1,246.06	479.20	-226.00	1.56	-0.98	-3.85	
5,847.00	16.75	16.07	5,650.45	1,273.05	487.89	-229.24	1.69	-1.31	-3.61	
5,942.00	17.90	18.14	5,741.14	1,300.08	496.22	-232.12	1.37	1.21	2.18	
6,037.00	17.23	22.28	5,831.71	1,326.97	506.10	-236.54	1.49	-0.71	4.36	
6,131.00	15.16	16.95	5,921.98	1,351.62	514.97	-240.41	2.71	-2.20	-5.67	
6,226.00	14.54	16.95	6,013.81	1,374.91	522.06	-242.81	0.65	-0.65	0.00	
6,320.00	14.94	15.85	6,104.71	1,397.85	528.81	-244.94	0.52	0.43	-1.17	
6,415.00	18.96	17.12	6,195.57	1,424.39	536.70	-247.48	4.25	4.23	1.34	
6,510.00	18.65	12.36	6,285.50	1,453.98	544.50	-249.33	1.65	-0.33	-5.01	
6,605.00	19.22	13.73	6,375.36	1,484.01	551.46	-250.28	0.76	0.60	1.44	
6,700.00	19.00	22.37	6,465.15	1,513.50	561.06	-253.92	2.98	-0.23	9.09	
6,794.00	18.03	30.08	6,554.29	1,540.25	574.18	-261.55	2.80	-1.03	8.20	
6,889.00	16.39	25.19	6,645.04	1,565.10	587.25	-269.51	2.30	-1.73	-5.15	
6,983.00	18.43	28.58	6,734.73	1,590.15	600.01	-277.11	2.42	2.17	3.61	
7,079.00	17.45	25.72	6,826.07	1,616.45	613.51	-285.21	1.37	-1.02	-2.98	
7,173.00	18.34	25.23	6,915.52	1,642.52	625.93	-292.28	0.96	0.95	-0.52	
7,268.00	16.84	21.93	7,006.08	1,668.81	637.45	-298.43	1.90	-1.58	-3.47	
7,364.00	18.16	23.29	7,097.63	1,695.45	648.55	-304.10	1.44	1.37	1.42	
7,459.00	17.01	18.36	7,188.19	1,722.24	658.79	-308.89	1.98	-1.21	-5.19	
7,465.00	16.93	15.99	7,193.93	1,723.92	659.30	-309.07	11.60	-1.25	-39.52	
KOP - 7465' MD, 7194' TVD										
7,554.00	18.96	342.65	7,278.82	1,750.25	658.56	-303.19	11.60	2.28	-37.46	
7,649.00	22.80	324.98	7,367.65	1,780.09	643.37	-282.45	7.72	4.04	-18.60	
7,742.00	26.29	302.68	7,452.42	1,806.04	615.63	-250.17	10.57	3.75	-23.98	
7,837.00	32.83	289.64	7,535.09	1,826.09	573.58	-205.01	9.62	6.88	-13.73	
7,932.00	38.22	284.92	7,612.40	1,842.33	520.88	-150.15	6.36	5.67	-4.97	
8,027.00	45.43	284.83	7,683.14	1,858.58	459.69	-86.96	7.59	7.59	-0.09	
8,122.00	58.24	280.16	7,741.74	1,874.44	386.90	-12.47	14.02	13.48	-4.92	
8,217.00	65.97	275.45	7,786.17	1,885.70	303.79	71.23	9.24	8.14	-4.96	
8,312.00	76.40	273.16	7,816.77	1,892.39	214.25	160.35	11.21	10.98	-2.41	
8,407.00	88.51	271.61	7,829.23	1,896.28	120.33	253.21	12.85	12.75	-1.63	
HZ LANDING PNT - 8407' MD, 7829' TVD										
8,427.55	88.54	271.54	7,829.76	1,896.85	99.80	273.46	0.39	0.14	-0.36	
~330' X-OVER PNT - 8427.55' MD, 7830' TVD, 1604' FNL, 330' FEL SEC 28										
8,503.00	88.64	271.26	7,831.61	1,898.69	24.39	347.77	0.39	0.14	-0.36	
8,597.00	88.91	271.83	7,833.62	1,901.22	-69.55	440.39	0.67	0.29	0.61	

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Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
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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)	
8,692.00	89.66	271.83	7,834.81	1,904.25	-164.50	534.09	0.79	0.79	0.00	
8,787.00	89.17	273.24	7,835.78	1,908.45	-259.40	627.98	1.57	-0.52	1.48	
8,881.00	89.17	271.92	7,837.14	1,912.68	-353.29	720.88	1.40	0.00	-1.40	
8,976.00	88.73	271.08	7,838.88	1,915.17	-448.24	814.48	1.00	-0.46	-0.88	
9,071.00	89.09	270.56	7,840.69	1,916.53	-543.21	907.88	0.67	0.38	-0.55	
9,165.00	87.63	270.73	7,843.38	1,917.59	-637.16	1,000.22	1.56	-1.55	0.18	
9,260.00	87.98	270.47	7,847.02	1,918.58	-732.09	1,093.51	0.46	0.37	-0.27	
9,354.00	88.38	270.91	7,850.00	1,919.71	-826.04	1,185.86	0.63	0.43	0.47	
9,449.00	88.33	270.86	7,852.73	1,921.18	-920.98	1,279.25	0.07	-0.05	-0.05	
9,543.00	88.64	270.78	7,855.21	1,922.52	-1,014.94	1,371.66	0.34	0.33	-0.09	
9,638.00	89.62	271.26	7,856.66	1,924.22	-1,109.91	1,465.12	1.15	1.03	0.51	
9,732.00	88.38	270.60	7,858.30	1,925.74	-1,203.89	1,557.58	1.49	-1.32	-0.70	
9,827.00	88.60	270.73	7,860.80	1,926.84	-1,298.85	1,650.91	0.27	0.23	0.14	
9,921.00	89.13	270.69	7,862.66	1,928.01	-1,392.82	1,743.30	0.57	0.56	-0.04	
10,016.00	89.88	270.33	7,863.48	1,928.85	-1,487.81	1,836.62	0.88	0.79	-0.38	
10,111.00	88.91	270.47	7,864.49	1,929.52	-1,582.80	1,929.90	1.03	-1.02	0.15	
10,206.00	89.48	270.42	7,865.82	1,930.25	-1,677.79	2,023.19	0.60	0.60	-0.05	
10,395.00	88.56	270.95	7,869.05	1,932.51	-1,866.75	2,208.94	0.56	-0.49	0.28	
10,490.00	88.20	270.86	7,871.74	1,934.01	-1,961.70	2,302.34	0.39	-0.38	-0.09	
10,585.00	88.03	270.78	7,874.86	1,935.37	-2,056.64	2,395.71	0.20	-0.18	-0.08	
10,680.00	87.89	270.91	7,878.25	1,936.77	-2,151.56	2,489.08	0.20	-0.15	0.14	
10,775.00	88.95	270.56	7,880.87	1,937.99	-2,246.52	2,582.43	1.17	1.12	-0.37	
10,869.00	89.40	270.11	7,882.22	1,938.54	-2,340.51	2,674.71	0.68	0.48	-0.48	
10,964.00	90.28	270.25	7,882.48	1,938.84	-2,435.51	2,767.93	0.94	0.93	0.15	
11,058.00	91.69	270.38	7,880.87	1,939.36	-2,529.49	2,860.20	1.51	1.50	0.14	
11,153.00	90.63	270.47	7,878.95	1,940.06	-2,624.46	2,953.47	1.12	-1.12	0.09	
11,247.00	89.31	269.15	7,878.99	1,939.75	-2,718.46	3,045.59	1.99	-1.40	-1.40	
11,341.00	89.88	268.92	7,879.66	1,938.17	-2,812.44	3,137.44	0.65	0.61	-0.24	
11,436.00	88.95	269.85	7,880.63	1,937.15	-2,907.43	3,230.39	1.38	-0.98	0.98	
11,531.00	89.53	269.89	7,881.89	1,936.93	-3,002.42	3,323.50	0.61	0.61	0.04	
11,626.00	88.07	270.20	7,883.88	1,937.00	-3,097.40	3,416.66	1.57	-1.54	0.33	
11,721.00	89.17	270.51	7,886.17	1,937.59	-3,192.37	3,509.90	1.20	1.16	0.33	
11,816.00	90.77	271.22	7,886.22	1,939.03	-3,287.35	3,603.33	1.84	1.68	0.75	
11,910.00	89.22	271.17	7,886.22	1,940.99	-3,381.33	3,695.87	1.65	-1.65	-0.05	
12,005.00	89.40	271.08	7,887.37	1,942.85	-3,476.30	3,789.38	0.21	0.19	-0.09	
12,099.00	90.37	270.11	7,887.56	1,943.83	-3,570.30	3,881.74	1.46	1.03	-1.03	
12,193.00	89.22	270.64	7,887.89	1,944.44	-3,664.29	3,974.04	1.35	-1.22	0.56	
12,288.00	90.15	270.95	7,888.42	1,945.76	-3,759.28	4,067.45	1.03	0.98	0.33	
12,383.00	88.73	270.51	7,889.34	1,946.97	-3,854.27	4,160.83	1.56	-1.49	-0.46	
12,478.00	89.57	270.33	7,890.75	1,947.67	-3,949.25	4,254.12	0.90	0.88	-0.19	
12,572.00	90.81	270.47	7,890.44	1,948.32	-4,043.25	4,346.42	1.33	1.32	0.15	
12,667.00	88.64	269.54	7,890.90	1,948.33	-4,138.24	4,439.58	2.49	-2.28	-0.98	
12,762.00	89.17	268.75	7,892.71	1,946.92	-4,233.21	4,532.43	1.00	0.56	-0.83	

Civitas Resources

Survey Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well KING 3-65 28-29 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5610.00usft
Site:	SEC 28-T3S-R65W	MD Reference:	KB 25' @ 5610.00usft
Well:	KING 3-65 28-29 2AH	North Reference:	True
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	FINAL SURVEY	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)	
12,856.00	88.11	267.91	7,894.94	1,944.18	-4,327.14	4,624.01	1.44	-1.13	-0.89	
12,951.00	89.75	267.38	7,896.72	1,940.27	-4,422.04	4,716.31	1.81	1.73	-0.56	
13,046.00	88.95	268.35	7,897.80	1,936.74	-4,516.97	4,808.71	1.32	-0.84	1.02	
13,141.00	89.22	267.16	7,899.31	1,933.01	-4,611.88	4,901.06	1.28	0.28	-1.25	
13,235.00	89.00	271.26	7,900.77	1,931.72	-4,705.84	4,992.94	4.37	-0.23	4.36	
13,330.00	89.66	269.59	7,901.88	1,932.42	-4,800.83	5,086.23	1.89	0.69	-1.76	
13,424.00	88.33	270.78	7,903.53	1,932.73	-4,894.81	5,178.45	1.90	-1.41	1.27	
13,519.00	88.82	270.47	7,905.90	1,933.76	-4,989.77	5,271.78	0.61	0.52	-0.33	
13,614.00	90.10	271.30	7,906.79	1,935.23	-5,084.76	5,365.21	1.61	1.35	0.87	
13,709.00	88.51	271.00	7,907.94	1,937.14	-5,179.73	5,458.72	1.70	-1.67	-0.32	
13,804.00	89.00	270.47	7,910.01	1,938.35	-5,274.70	5,552.09	0.76	0.52	-0.56	
13,899.00	89.88	269.89	7,910.94	1,938.65	-5,369.69	5,645.31	1.11	0.93	-0.61	
13,994.00	87.72	271.13	7,912.93	1,939.50	-5,464.66	5,738.60	2.62	-2.27	1.31	
14,183.00	89.04	270.64	7,918.27	1,942.42	-5,653.55	5,924.41	0.74	0.70	-0.26	
14,277.00	89.53	271.26	7,919.44	1,943.97	-5,747.53	6,016.88	0.84	0.52	0.66	
14,372.00	90.72	271.44	7,919.23	1,946.21	-5,842.50	6,110.45	1.27	1.25	0.19	
14,465.00	89.22	270.56	7,919.28	1,947.84	-5,935.49	6,201.95	1.87	-1.61	-0.95	
14,559.00	88.47	271.13	7,921.18	1,949.22	-6,029.46	6,294.38	1.00	-0.80	0.61	
14,653.00	88.91	271.00	7,923.33	1,950.97	-6,123.42	6,386.86	0.49	0.47	-0.14	
14,748.00	90.15	270.38	7,924.11	1,952.11	-6,218.40	6,480.23	1.46	1.31	-0.65	
14,843.00	88.38	270.33	7,925.33	1,952.70	-6,313.39	6,573.50	1.86	-1.86	-0.05	
14,938.00	89.09	270.47	7,927.42	1,953.36	-6,408.36	6,666.76	0.76	0.75	0.15	
15,033.00	89.40	270.25	7,928.67	1,953.96	-6,503.35	6,760.03	0.40	0.33	-0.23	
15,127.00	90.46	270.11	7,928.79	1,954.26	-6,597.35	6,852.27	1.14	1.13	-0.15	
15,221.00	89.09	270.16	7,929.16	1,954.48	-6,691.35	6,944.49	1.46	-1.46	0.05	
15,317.00	90.28	270.86	7,929.69	1,955.33	-6,787.34	7,038.79	1.44	1.24	0.73	
15,411.00	88.42	269.89	7,930.75	1,955.95	-6,881.33	7,131.08	2.23	-1.98	-1.03	
15,506.00	88.95	269.89	7,932.93	1,955.76	-6,976.30	7,224.18	0.56	0.56	0.00	
15,600.00	90.46	270.33	7,933.42	1,955.94	-7,070.30	7,316.40	1.67	1.61	0.47	
15,695.00	89.09	271.57	7,933.79	1,957.52	-7,165.28	7,409.85	1.95	-1.44	1.31	
15,790.00	89.75	272.23	7,934.75	1,960.67	-7,260.22	7,503.57	0.98	0.69	0.69	
15,884.00	87.98	270.60	7,936.61	1,962.99	-7,354.17	7,596.15	2.56	-1.88	-1.73	
15,978.00	88.47	270.69	7,939.52	1,964.05	-7,448.12	7,688.49	0.53	0.52	0.10	
16,074.00	89.57	269.85	7,941.17	1,964.50	-7,544.10	7,782.70	1.44	1.15	-0.87	
16,168.00	88.03	269.67	7,943.14	1,964.11	-7,638.07	7,874.78	1.65	-1.64	-0.19	
16,262.00	88.25	269.19	7,946.19	1,963.17	-7,732.02	7,966.73	0.56	0.23	-0.51	
16,357.00	89.53	269.89	7,948.03	1,962.41	-7,827.00	8,059.72	1.54	1.35	0.74	
16,451.00	90.94	269.63	7,947.64	1,962.02	-7,920.99	8,151.82	1.53	1.50	-0.28	
16,545.00	89.62	268.62	7,947.18	1,960.58	-8,014.98	8,243.70	1.77	-1.40	-1.07	
16,639.00	89.70	269.54	7,947.74	1,959.07	-8,108.96	8,335.58	0.98	0.09	0.98	
16,733.00	89.93	270.51	7,948.04	1,959.11	-8,202.96	8,427.76	1.06	0.24	1.03	
16,828.00	91.25	269.81	7,947.06	1,959.38	-8,297.95	8,520.97	1.57	1.39	-0.74	
16,923.00	89.48	269.45	7,946.46	1,958.76	-8,392.94	8,614.00	1.90	-1.86	-0.38	
17,017.00	89.48	269.19	7,947.31	1,957.65	-8,486.93	8,705.96	0.28	0.00	-0.28	

Civitas Resources

Survey Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well KING 3-65 28-29 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5610.00usft
Site:	SEC 28-T3S-R65W	MD Reference:	KB 25' @ 5610.00usft
Well:	KING 3-65 28-29 2AH	North Reference:	True
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	FINAL SURVEY	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)
17,112.00	90.85	268.44	7,947.04	1,955.68	-8,581.91	8,798.71	1.64	1.44	-0.79
17,206.00	89.13	268.70	7,947.06	1,953.34	-8,675.88	8,890.40	1.85	-1.83	0.28
17,302.00	89.35	269.06	7,948.33	1,951.46	-8,771.85	8,984.15	0.44	0.23	0.37
17,396.00	90.90	268.57	7,948.12	1,949.52	-8,865.83	9,075.93	1.73	1.65	-0.52
17,490.00	89.97	271.13	7,947.41	1,949.27	-8,959.81	9,168.05	2.90	-0.99	2.72
17,585.00	88.33	271.08	7,948.82	1,951.10	-9,054.78	9,261.54	1.73	-1.73	-0.05
17,680.00	87.94	270.95	7,951.91	1,952.79	-9,149.72	9,354.96	0.43	-0.41	-0.14
17,774.00	88.60	270.38	7,954.75	1,953.88	-9,243.67	9,447.31	0.93	0.70	-0.61
17,869.00	90.01	270.86	7,955.90	1,954.90	-9,338.65	9,540.66	1.57	1.48	0.51
17,964.00	88.82	270.91	7,956.87	1,956.37	-9,433.63	9,634.09	1.25	-1.25	0.05
18,058.00	89.22	271.04	7,958.48	1,957.97	-9,527.61	9,726.56	0.45	0.43	0.14
18,151.00	90.10	270.47	7,959.03	1,959.20	-9,620.60	9,817.99	1.13	0.95	-0.61
18,245.00	91.74	269.85	7,957.52	1,959.46	-9,714.58	9,910.20	1.87	1.74	-0.66
LAST SURVEY - 18245' MD, 7958' TVD									
18,345.00	91.74	269.85	7,954.49	1,959.20	-9,814.53	10,008.17	0.00	0.00	0.00
PTB - 18345' MD, 7954' TVD, 1617' FNL, 330' FWL SEC 29									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
LP-KING 3-65 28-29 2AI	0.00	0.00	7,835.00	1,901.14	99.80	1,158,233.55	3,235,957.40	39.764653°N	104.660641°W
- actual wellpath misses target center by 6.78usft at 8427.78usft MD (7829.76 TVD, 1896.85 N, 99.56 E)									
- Point									
PBHL-KING 3-65 28-29	0.00	0.00	7,940.00	1,976.29	-9,814.79	1,158,214.89	3,226,042.61	39.764854°N	104.695909°W
- actual wellpath misses target center by 22.41usft at 18345.00usft MD (7954.48 TVD, 1959.20 N, -9814.53 E)									
- Point									

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
3,379.00	3,286.52	614.79	230.37	SURFACE CSG - 3379' MD, 3287' TVD	
7,465.00	7,193.93	1,723.92	659.30	KOP - 7465' MD, 7194' TVD	
8,407.00	7,829.23	1,896.28	120.33	HZ LANDING PNT - 8407' MD, 7829' TVD	
8,427.55	7,829.76	1,896.85	99.80	~330' X-OVER PNT - 8427.55' MD, 7830' TVD, 1604' FNL, 330' FEL SEC 28	
18,245.00	7,957.52	1,959.46	-9,714.58	LAST SURVEY - 18245' MD, 7958' TVD	
18,345.00	7,954.49	1,959.20	-9,814.53	PTB - 18345' MD, 7954' TVD, 1617' FNL, 330' FWL SEC 29	

Checked By: _____	Approved By: _____	Date: _____
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