

CRESTONE PEAK RESOURCES

ADAMS COUNTY

SEC 28-T3S-R65W

BEAR 3-65 22-23 4BH

OWB

Design: FINAL SURVEY

Standard Survey Report

24 June, 2024

Project: ADAMS COUNTY
 Site: SEC 28-T3S-R65W
 Well: BEAR 3-65 22-23 4BH
 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



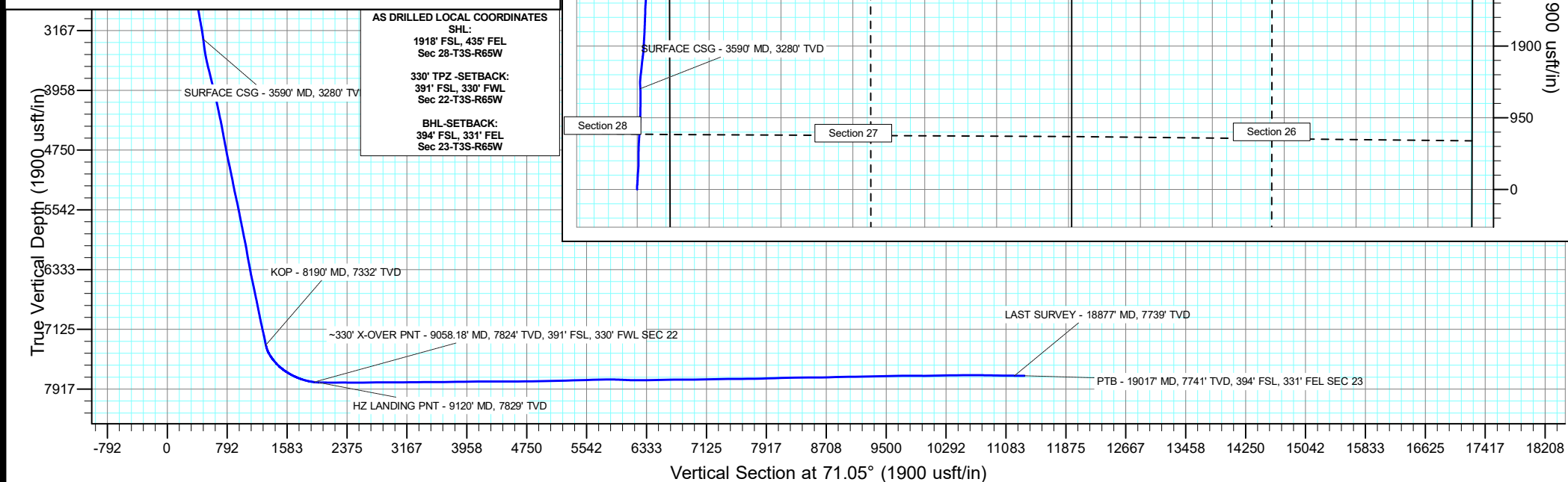
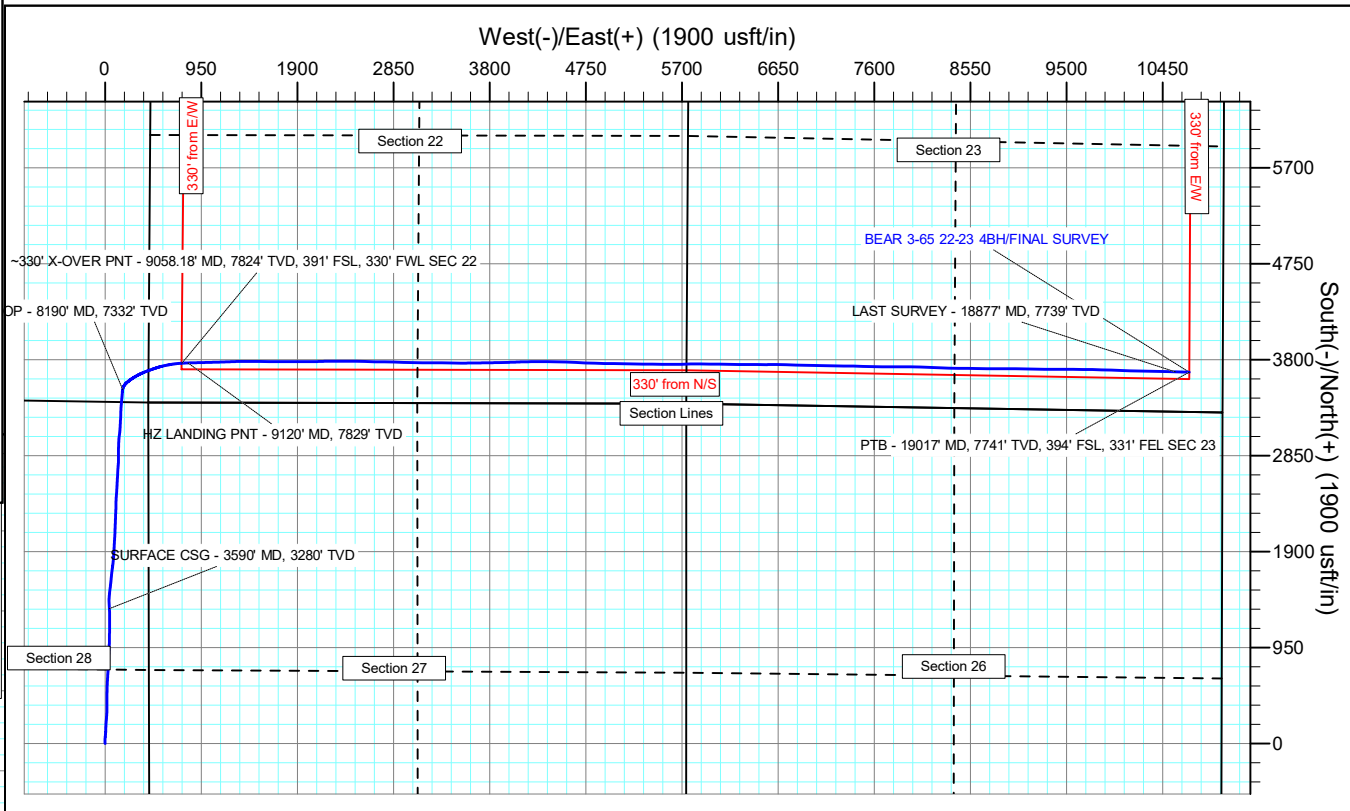
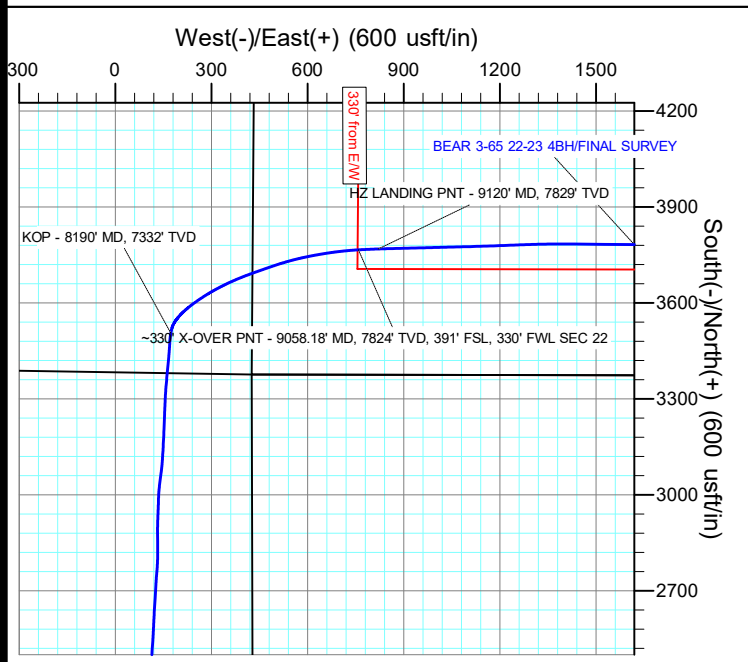
Azimuths to True North
 Magnetic North: 7.42°
 Magnetic Field
 Strength: 51305.0nT
 Dip Angle: 66.03°
 Date: 6/18/2024
 Model: IGRF2020

WELL DETAILS: BEAR 3-65 22-23 4BH

5585.00						Slot
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	
0.00	0.00	1156451.40	3235874.18	39.759763°N	104.660997°W	

ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Departure	Annotation
3590.00	25.48	357.48	3280.46	1337.23	42.97	474.83	1338.05	SURFACE CSG - 3590' MD, 3280' TVD
8190.00	25.47	10.06	7332.47	3505.90	173.37	1302.30	3512.99	KOP - 8190' MD, 7332' TVD
9058.18	83.71	86.59	7823.92	3766.11	758.69	1940.40	4181.58	~330' X-OVER PNT - 9058.18' MD, 7824' TVD, 391' FSL, 330' FWL SEC 22
9120.00	87.36	88.02	7828.62	3768.79	820.26	1999.50	4243.16	HZ LANDING PNT - 9120' MD, 7829' TVD
18877.00	89.40	91.07	7739.06	3680.47	10573.63	11195.76	13998.60	LAST SURVEY - 18877' MD, 7739' TVD
19017.00	89.40	91.07	7740.53	3677.85	10713.60	11327.30	14138.59	PTB - 19017' MD, 7741' TVD, 394' FSL, 331' FEL SEC 23



Civitas Resources

Survey Report

Company: CRESTONE PEAK RESOURCES	Local Co-ordinate Reference: Well BEAR 3-65 22-23 4BH
Project: ADAMS COUNTY	TVD Reference: KB 25' @ 5610.00usft
Site: SEC 28-T3S-R65W	MD Reference: KB 25' @ 5610.00usft
Well: BEAR 3-65 22-23 4BH	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 BEAR 3-65 22-23 4BH			
Well Position	+N/-S 0.00 usft	Northing: 1,156,451.40 usft	Latitude: 39.759763°N
	+E/-W 0.00 usft	Easting: 3,235,874.18 usft	Longitude: 104.660997°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	6/18/2024	7.42	66.03	51,304.98498581

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	71.05

Survey Program		Date 6/24/2024		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
209.00	3,507.00	SURFACE SURVEY (OWB)	MWD OWSG	OWSG MWD - Standard
3,671.00	19,017.00	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	3.31	354.15	208.88	6.00	-0.62	1.37	1.58	1.58	0.00	
300.00	3.27	351.95	299.73	11.19	-1.25	2.45	0.15	-0.04	-2.42	
390.00	5.08	358.21	389.49	17.71	-1.73	4.11	2.07	2.01	6.96	
480.00	7.60	3.63	478.93	27.64	-1.48	7.58	2.87	2.80	6.02	
574.00	9.37	4.82	571.90	41.47	-0.44	13.05	1.89	1.88	1.27	
668.00	11.71	3.54	664.31	58.61	0.79	19.78	2.50	2.49	-1.36	
762.00	14.23	6.53	755.91	79.62	2.69	28.40	2.77	2.68	3.18	
857.00	15.91	4.60	847.64	104.20	5.07	38.62	1.85	1.77	-2.03	
951.00	19.22	1.73	937.24	132.51	6.57	49.24	3.64	3.52	-3.05	

Civitas Resources

Survey Report

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Site:	SEC 28-T3S-R65W	MD Reference:	KB 25' @ 5610.00usft
Well:	BEAR 3-65 22-23 4BH	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)	
1,046.00	19.93	1.60	1,026.75	164.33	7.49	60.44	0.75	0.75	-0.14	
1,141.00	21.12	4.07	1,115.72	197.59	9.16	72.82	1.55	1.25	2.60	
1,236.00	22.05	5.26	1,204.06	232.42	12.01	86.82	1.08	0.98	1.25	
1,331.00	24.44	3.80	1,291.34	269.79	14.95	101.73	2.59	2.52	-1.54	
1,426.00	25.06	4.07	1,377.61	309.47	17.68	117.20	0.66	0.65	0.28	
1,520.00	26.91	359.26	1,462.12	350.61	18.81	131.63	2.98	1.97	-5.12	
1,615.00	27.04	359.62	1,546.78	393.70	18.39	145.23	0.22	0.14	0.38	
1,710.00	26.91	359.88	1,631.45	436.79	18.21	159.04	0.18	-0.14	0.27	
1,805.00	26.60	0.76	1,716.28	479.55	18.44	173.15	0.53	-0.33	0.93	
1,900.00	29.70	1.11	1,800.03	524.36	19.18	188.40	3.27	3.26	0.37	
1,994.00	31.20	2.08	1,881.06	571.98	20.52	205.12	1.68	1.60	1.03	
2,089.00	31.95	3.54	1,962.00	621.66	22.96	223.56	1.13	0.79	1.54	
2,184.00	30.98	2.92	2,043.03	671.16	25.76	242.28	1.08	-1.02	-0.65	
2,279.00	29.30	4.60	2,125.18	718.76	28.87	260.68	1.98	-1.77	1.77	
2,372.00	28.68	2.74	2,206.53	763.73	31.76	278.01	1.18	-0.67	-2.00	
2,466.00	25.63	2.48	2,290.16	806.58	33.72	293.78	3.25	-3.24	-0.28	
2,560.00	25.23	0.98	2,375.05	846.93	34.94	308.04	0.81	-0.43	-1.60	
2,655.00	27.22	2.13	2,460.27	888.89	36.10	322.75	2.16	2.09	1.21	
2,750.00	29.74	3.41	2,543.77	934.13	38.30	339.53	2.73	2.65	1.35	
2,845.00	29.08	3.89	2,626.53	980.68	41.27	357.45	0.74	-0.69	0.51	
2,940.00	29.96	0.32	2,709.20	1,027.44	42.97	374.24	2.07	0.93	-3.76	
3,035.00	29.25	0.76	2,791.80	1,074.37	43.41	389.90	0.78	-0.75	0.46	
3,129.00	29.30	1.42	2,873.79	1,120.33	44.29	405.65	0.35	0.05	0.70	
3,224.00	27.71	359.26	2,957.27	1,165.66	44.58	420.64	1.99	-1.67	-2.27	
3,319.00	29.25	0.58	3,040.78	1,210.95	44.53	435.30	1.75	1.62	1.39	
3,413.00	29.08	0.23	3,122.86	1,256.76	44.85	450.48	0.26	-0.18	-0.37	
3,507.00	26.73	358.29	3,205.92	1,300.74	44.31	464.25	2.68	-2.50	-2.06	
3,590.00	25.48	357.48	3,280.46	1,337.23	42.97	474.83	1.57	-1.51	-0.97	
SURFACE CSG - 3590' MD, 3280' TVD										
3,671.00	24.26	356.62	3,353.95	1,371.25	41.22	484.22	1.57	-1.50	-1.06	
3,766.00	26.47	358.65	3,439.78	1,411.91	39.57	495.86	2.50	2.33	2.14	
3,860.00	26.65	4.51	3,523.88	1,453.87	40.74	510.59	2.79	0.19	6.23	
3,954.00	28.68	6.75	3,607.13	1,497.30	45.05	528.76	2.43	2.16	2.38	
4,049.00	30.84	6.80	3,689.60	1,544.12	50.61	549.23	2.27	2.27	0.05	
4,144.00	29.12	6.09	3,771.88	1,591.29	55.95	569.59	1.85	-1.81	-0.75	
4,238.00	30.89	5.21	3,853.28	1,638.06	60.57	589.15	1.94	1.88	-0.94	
4,427.00	29.08	7.59	4,016.98	1,731.92	71.04	629.52	1.15	-0.96	1.26	
4,522.00	26.43	7.20	4,101.05	1,775.78	76.74	649.16	2.80	-2.79	-0.41	
4,616.00	27.44	5.08	4,184.85	1,818.11	81.28	667.20	1.48	1.07	-2.26	
4,711.00	28.72	3.58	4,268.67	1,862.70	84.64	684.86	1.54	1.35	-1.58	
4,805.00	29.61	3.58	4,350.75	1,908.42	87.50	702.41	0.95	0.95	0.00	
4,901.00	26.87	2.48	4,435.31	1,953.77	89.92	719.42	2.91	-2.85	-1.15	
4,996.00	25.10	3.36	4,520.71	1,995.34	92.03	734.91	1.91	-1.86	0.93	

Civitas Resources

Survey Report

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Site:	SEC 28-T3S-R65W	MD Reference:	KB 25' @ 5610.00usft
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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)	
5,090.00	26.78	3.49	4,605.23	2,036.38	94.49	750.56	1.79	1.79	0.14	
5,185.00	26.96	2.83	4,689.98	2,079.25	96.86	766.72	0.37	0.19	-0.69	
5,279.00	27.84	1.69	4,773.43	2,122.48	98.56	782.36	1.09	0.94	-1.21	
5,374.00	29.96	2.35	4,856.60	2,168.36	100.18	798.80	2.26	2.23	0.69	
5,469.00	32.17	2.57	4,937.97	2,217.33	102.29	816.69	2.33	2.33	0.23	
5,563.00	29.78	1.77	5,018.56	2,265.67	104.13	834.13	2.58	-2.54	-0.85	
5,658.00	29.47	2.92	5,101.14	2,312.59	106.05	851.18	0.68	-0.33	1.21	
5,753.00	28.90	0.10	5,184.08	2,358.88	107.28	867.38	1.57	-0.60	-2.97	
5,848.00	28.99	2.44	5,267.22	2,404.84	108.30	883.26	1.20	0.09	2.46	
5,942.00	30.36	3.85	5,348.89	2,451.30	110.87	900.77	1.64	1.46	1.50	
6,038.00	29.21	3.93	5,432.21	2,498.88	114.10	919.28	1.20	-1.20	0.08	
6,132.00	28.99	3.71	5,514.34	2,544.50	117.15	936.97	0.26	-0.23	-0.23	
6,226.00	26.96	2.44	5,597.35	2,588.52	119.53	953.52	2.25	-2.16	-1.35	
6,321.00	28.19	3.36	5,681.56	2,632.44	121.76	969.89	1.37	1.29	0.97	
6,415.00	27.75	3.32	5,764.58	2,676.45	124.33	986.61	0.47	-0.47	-0.04	
6,510.00	26.65	3.41	5,849.07	2,719.80	126.88	1,003.09	1.16	-1.16	0.09	
6,605.00	28.37	4.90	5,933.33	2,763.56	130.07	1,020.33	1.95	1.81	1.57	
6,700.00	29.52	0.67	6,016.47	2,809.46	132.28	1,037.31	2.47	1.21	-4.45	
6,794.00	26.82	358.65	6,099.33	2,853.82	132.05	1,051.50	3.05	-2.87	-2.15	
6,889.00	28.06	1.07	6,183.64	2,897.59	131.96	1,065.63	1.76	1.31	2.55	
6,984.00	29.17	2.52	6,267.04	2,943.06	133.40	1,081.75	1.38	1.17	1.53	
7,079.00	25.85	1.33	6,351.29	2,986.91	134.89	1,097.40	3.54	-3.49	-1.25	
7,174.00	26.07	7.20	6,436.71	3,028.33	137.99	1,113.78	2.71	0.23	6.18	
7,269.00	26.47	7.11	6,521.90	3,070.05	143.23	1,132.28	0.42	0.42	-0.09	
7,364.00	28.10	3.76	6,606.34	3,113.39	147.32	1,150.22	2.36	1.72	-3.53	
7,459.00	29.30	2.96	6,689.66	3,158.93	149.98	1,167.53	1.33	1.26	-0.84	
7,554.00	29.61	2.17	6,772.38	3,205.60	152.07	1,184.66	0.52	0.33	-0.83	
7,649.00	28.94	2.13	6,855.25	3,252.02	153.82	1,201.38	0.71	-0.71	-0.04	
7,743.00	28.41	2.74	6,937.72	3,297.08	155.73	1,217.82	0.64	-0.56	0.65	
7,838.00	27.80	4.86	7,021.52	3,341.73	158.69	1,235.12	1.23	-0.64	2.23	
8,028.00	29.21	5.48	7,188.48	3,432.03	166.87	1,272.17	0.76	0.74	0.33	
8,122.00	26.91	2.74	7,271.43	3,476.12	170.08	1,289.52	2.80	-2.45	-2.91	
8,190.00	25.47	10.06	7,332.47	3,505.90	173.37	1,302.30	5.19	-2.11	10.76	
KOP - 8190' MD, 7332' TVD										
8,217.00	25.01	13.16	7,356.89	3,517.17	175.68	1,308.15	5.19	-1.71	11.50	
8,312.00	32.21	41.14	7,440.61	3,556.02	197.03	1,340.96	15.82	7.58	29.45	
8,408.00	38.53	52.91	7,518.94	3,593.40	237.81	1,391.66	9.66	6.58	12.26	
8,503.00	44.41	58.64	7,590.12	3,628.59	289.86	1,452.32	7.36	6.19	6.03	
8,597.00	53.16	64.80	7,652.03	3,661.80	352.13	1,522.00	10.53	9.31	6.55	
8,693.00	58.95	70.23	7,705.64	3,692.11	425.69	1,601.41	7.64	6.03	5.66	
8,787.00	64.83	71.55	7,749.91	3,719.22	504.00	1,684.29	6.38	6.26	1.40	
8,882.00	71.37	77.80	7,785.35	3,742.38	588.94	1,772.15	9.20	6.88	6.58	
8,976.00	77.55	82.08	7,810.54	3,758.14	678.06	1,861.55	7.90	6.57	4.55	
9,058.18	83.71	86.59	7,823.92	3,766.11	758.69	1,940.40	9.24	7.49	5.49	

Civitas Resources

Survey Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BEAR 3-65 22-23 4BH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5610.00usft
Site:	SEC 28-T3S-R65W	MD Reference:	KB 25' @ 5610.00usft
Well:	BEAR 3-65 22-23 4BH	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)
-330' X-OVER PNT - 9058.18' MD, 7824' TVD, 391' FSL, 330' FWL SEC 22									
9,071.00	84.67	87.28	7,825.22	3,766.79	771.42	1,952.66	9.24	7.52	5.39
9,120.00	87.36	88.02	7,828.62	3,768.79	820.26	1,999.50	5.70	5.50	1.50
HZ LANDING PNT - 9120' MD, 7829' TVD									
9,165.00	89.84	88.69	7,829.72	3,770.09	865.22	2,042.45	5.70	5.50	1.50
9,260.00	89.09	88.47	7,830.60	3,772.44	960.19	2,133.04	0.82	-0.79	-0.23
9,355.00	90.72	88.65	7,830.76	3,774.83	1,055.15	2,223.63	1.73	1.72	0.19
9,449.00	90.10	88.12	7,830.09	3,777.48	1,149.11	2,313.36	0.87	-0.66	-0.56
9,544.00	89.35	87.63	7,830.55	3,781.00	1,244.05	2,404.30	0.94	-0.79	-0.52
9,638.00	90.06	88.91	7,831.03	3,783.84	1,338.00	2,494.08	1.56	0.76	1.36
9,733.00	90.46	90.54	7,830.60	3,784.29	1,432.99	2,584.08	1.77	0.42	1.72
9,827.00	91.43	90.58	7,829.05	3,783.37	1,526.98	2,672.67	1.03	1.03	0.04
9,922.00	90.50	90.45	7,827.45	3,782.52	1,621.96	2,762.23	0.99	-0.98	-0.14
10,016.00	90.01	90.50	7,827.03	3,781.74	1,715.95	2,850.88	0.52	-0.52	0.05
10,111.00	89.22	90.10	7,827.67	3,781.24	1,810.95	2,940.56	0.93	-0.83	-0.42
10,206.00	90.06	90.14	7,828.27	3,781.05	1,905.95	3,030.35	0.89	0.88	0.04
10,301.00	90.99	89.88	7,827.39	3,781.03	2,000.94	3,120.19	1.02	0.98	-0.27
10,396.00	90.99	88.34	7,825.75	3,782.50	2,095.91	3,210.50	1.62	0.00	-1.62
10,491.00	90.32	87.98	7,824.67	3,785.55	2,190.86	3,301.29	0.80	-0.71	-0.38
10,585.00	90.72	91.07	7,823.81	3,786.33	2,284.84	3,390.43	3.31	0.43	3.29
10,681.00	90.28	90.36	7,822.98	3,785.14	2,380.83	3,480.83	0.87	-0.46	-0.74
10,775.00	89.48	90.32	7,823.17	3,784.58	2,474.82	3,569.55	0.85	-0.85	-0.04
10,869.00	91.21	91.99	7,822.61	3,782.68	2,568.80	3,657.82	2.56	1.84	1.78
10,965.00	90.23	90.45	7,821.40	3,780.64	2,664.76	3,747.92	1.90	-1.02	-1.60
11,059.00	90.63	90.76	7,820.70	3,779.65	2,758.75	3,836.50	0.54	0.43	0.33
11,153.00	90.99	91.99	7,819.37	3,777.39	2,852.72	3,924.64	1.36	0.38	1.31
11,247.00	90.94	91.77	7,817.78	3,774.31	2,946.65	4,012.48	0.24	-0.05	-0.23
11,341.00	90.59	90.72	7,816.53	3,772.27	3,040.62	4,100.70	1.18	-0.37	-1.12
11,436.00	90.28	90.63	7,815.81	3,771.15	3,135.61	4,190.18	0.34	-0.33	-0.09
11,531.00	89.75	90.45	7,815.78	3,770.25	3,230.61	4,279.73	0.59	-0.56	-0.19
11,626.00	90.01	90.63	7,815.98	3,769.36	3,325.60	4,369.29	0.33	0.27	0.19
11,721.00	89.04	90.94	7,816.77	3,768.05	3,420.59	4,458.71	1.07	-1.02	0.33
11,816.00	91.12	90.06	7,816.64	3,767.23	3,515.58	4,548.28	2.38	2.19	-0.93
11,911.00	90.81	89.48	7,815.04	3,767.61	3,610.56	4,638.25	0.69	-0.33	-0.61
12,005.00	90.01	88.82	7,814.36	3,769.00	3,704.55	4,727.59	1.10	-0.85	-0.70
12,099.00	90.90	89.17	7,813.62	3,770.65	3,798.53	4,817.02	1.02	0.95	0.37
12,194.00	91.16	88.69	7,811.91	3,772.42	3,893.50	4,907.42	0.57	0.27	-0.51
12,288.00	91.47	88.60	7,809.75	3,774.65	3,987.45	4,997.00	0.34	0.33	-0.10
12,384.00	91.03	87.32	7,807.66	3,778.06	4,083.36	5,088.82	1.41	-0.46	-1.33
12,478.00	91.16	89.61	7,805.86	3,780.58	4,177.30	5,178.49	2.44	0.14	2.44
12,573.00	91.34	89.83	7,803.79	3,781.04	4,272.28	5,268.48	0.30	0.19	0.23
12,667.00	91.43	89.44	7,801.52	3,781.64	4,366.25	5,357.55	0.43	0.10	-0.41
12,762.00	91.65	92.17	7,798.96	3,780.31	4,461.20	5,446.92	2.88	0.23	2.87

Civitas Resources

Survey Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BEAR 3-65 22-23 4BH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5610.00usft
Site:	SEC 28-T3S-R65W	MD Reference:	KB 25' @ 5610.00usft
Well:	BEAR 3-65 22-23 4BH	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)	
12,857.00	91.91	91.91	7,796.01	3,776.93	4,556.09	5,535.57	0.39	0.27	-0.27	
12,951.00	91.07	92.66	7,793.57	3,773.18	4,649.98	5,623.16	1.20	-0.89	0.80	
13,046.00	90.85	92.17	7,791.98	3,769.18	4,744.89	5,711.62	0.57	-0.23	-0.52	
13,141.00	91.38	92.17	7,790.13	3,765.58	4,839.80	5,800.23	0.56	0.56	0.00	
13,236.00	89.09	90.45	7,789.74	3,763.41	4,934.76	5,889.34	3.01	-2.41	-1.81	
13,330.00	87.85	90.10	7,792.25	3,762.96	5,028.73	5,978.07	1.37	-1.32	-0.37	
13,425.00	87.45	91.64	7,796.14	3,761.52	5,123.63	6,067.36	1.67	-0.42	1.62	
13,520.00	89.04	90.85	7,799.05	3,759.46	5,218.56	6,156.48	1.87	1.67	-0.83	
13,615.00	90.90	91.20	7,799.10	3,757.76	5,313.54	6,245.76	1.99	1.96	0.37	
13,710.00	90.01	90.67	7,798.35	3,756.21	5,408.53	6,335.10	1.09	-0.94	-0.56	
13,805.00	91.91	90.89	7,796.76	3,754.91	5,503.50	6,424.50	2.01	2.00	0.23	
13,995.00	90.19	88.56	7,793.27	3,755.83	5,693.44	6,604.46	1.52	-0.91	-1.23	
14,089.00	91.25	88.51	7,792.09	3,758.23	5,787.41	6,694.11	1.13	1.13	-0.05	
14,183.00	90.23	90.85	7,790.88	3,758.76	5,881.39	6,783.17	2.72	-1.09	2.49	
14,278.00	89.48	90.50	7,791.12	3,757.64	5,976.38	6,872.65	0.87	-0.79	-0.37	
14,372.00	91.43	90.98	7,790.37	3,756.42	6,070.36	6,961.15	2.14	2.07	0.51	
14,466.00	90.41	90.54	7,788.86	3,755.18	6,164.34	7,049.63	1.18	-1.09	-0.47	
14,560.00	91.87	91.55	7,786.99	3,753.46	6,258.31	7,137.94	1.89	1.55	1.07	
14,654.00	90.28	89.35	7,785.23	3,752.72	6,352.28	7,226.58	2.89	-1.69	-2.34	
14,748.00	91.47	91.02	7,783.79	3,752.42	6,446.26	7,315.38	2.18	1.27	1.78	
14,844.00	90.19	89.31	7,782.40	3,752.14	6,542.24	7,406.07	2.22	-1.33	-1.78	
14,939.00	90.81	90.58	7,781.57	3,752.24	6,637.24	7,495.95	1.49	0.65	1.34	
15,033.00	90.06	91.60	7,780.86	3,750.45	6,731.22	7,584.25	1.35	-0.80	1.09	
15,128.00	90.94	91.42	7,780.03	3,747.94	6,826.18	7,673.26	0.95	0.93	-0.19	
15,222.00	89.75	91.07	7,779.47	3,745.90	6,920.15	7,761.48	1.32	-1.27	-0.37	
15,317.00	92.09	91.42	7,777.94	3,743.84	7,015.11	7,850.62	2.49	2.46	0.37	
15,412.00	91.74	91.42	7,774.77	3,741.49	7,110.03	7,939.63	0.37	-0.37	0.00	
15,506.00	92.05	91.25	7,771.66	3,739.30	7,203.95	8,027.76	0.38	0.33	-0.18	
15,601.00	91.91	89.70	7,768.38	3,738.51	7,298.89	8,117.30	1.64	-0.15	-1.63	
15,696.00	90.90	91.51	7,766.05	3,737.51	7,393.85	8,206.79	2.18	-1.06	1.91	
15,791.00	90.77	91.42	7,764.66	3,735.08	7,488.81	8,295.81	0.17	-0.14	-0.09	
15,979.00	90.37	91.07	7,762.79	3,730.99	7,676.76	8,472.25	0.28	-0.21	-0.19	
16,074.00	89.88	90.14	7,762.58	3,729.99	7,771.75	8,561.77	1.11	-0.52	-0.98	
16,168.00	89.57	89.17	7,763.03	3,730.56	7,865.74	8,650.86	1.08	-0.33	-1.03	
16,263.00	92.93	91.16	7,760.96	3,730.28	7,960.70	8,740.58	4.11	3.54	2.09	
16,357.00	92.44	92.13	7,756.56	3,727.59	8,054.56	8,828.48	1.16	-0.52	1.03	
16,451.00	90.37	92.21	7,754.25	3,724.03	8,148.46	8,916.13	2.20	-2.20	0.09	
16,545.00	90.28	91.86	7,753.72	3,720.69	8,242.40	9,003.90	0.38	-0.10	-0.37	
16,639.00	90.50	91.51	7,753.08	3,717.93	8,336.35	9,091.87	0.44	0.23	-0.37	
16,734.00	90.90	91.07	7,751.92	3,715.79	8,431.32	9,181.00	0.63	0.42	-0.46	
16,829.00	91.69	90.58	7,749.77	3,714.42	8,526.29	9,270.37	0.98	0.83	-0.52	
16,923.00	90.99	90.89	7,747.58	3,713.22	8,620.25	9,358.86	0.81	-0.74	0.33	
17,018.00	91.03	90.41	7,745.90	3,712.14	8,715.23	9,448.34	0.51	0.04	-0.51	
17,112.00	91.16	89.88	7,744.10	3,711.90	8,809.21	9,537.15	0.58	0.14	-0.56	

Civitas Resources

Survey Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BEAR 3-65 22-23 4BH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5610.00usft
Site:	SEC 28-T3S-R65W	MD Reference:	KB 25' @ 5610.00usft
Well:	BEAR 3-65 22-23 4BH	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)
17,207.00	90.59	90.76	7,742.65	3,711.37	8,904.20	9,626.82	1.10	-0.60	0.93
17,302.00	91.74	90.41	7,740.72	3,710.40	8,999.17	9,716.33	1.27	1.21	-0.37
17,397.00	89.84	91.11	7,739.41	3,709.14	9,094.15	9,805.76	2.13	-2.00	0.74
17,491.00	89.57	90.80	7,739.90	3,707.57	9,188.14	9,894.14	0.44	-0.29	-0.33
17,586.00	89.04	90.41	7,741.05	3,706.57	9,283.13	9,983.66	0.69	-0.56	-0.41
17,680.00	91.25	90.54	7,740.81	3,705.79	9,377.12	10,072.30	2.36	2.35	0.14
17,774.00	91.25	90.23	7,738.76	3,705.16	9,471.09	10,160.98	0.33	0.00	-0.33
17,869.00	91.52	90.01	7,736.46	3,704.96	9,566.06	10,250.74	0.37	0.28	-0.23
17,964.00	91.16	90.50	7,734.24	3,704.54	9,661.04	10,340.43	0.64	-0.38	0.52
18,058.00	89.75	90.89	7,733.50	3,703.40	9,755.02	10,428.96	1.56	-1.50	0.41
18,152.00	90.90	92.26	7,732.96	3,700.82	9,848.98	10,516.99	1.90	1.22	1.46
18,246.00	90.10	91.95	7,732.14	3,697.36	9,942.91	10,604.71	0.91	-0.85	-0.33
18,340.00	89.66	91.95	7,732.34	3,694.16	10,036.86	10,692.53	0.47	-0.47	0.00
18,435.00	89.35	91.55	7,733.16	3,691.26	10,131.81	10,781.39	0.53	-0.33	-0.42
18,530.00	88.78	91.42	7,734.71	3,688.80	10,226.77	10,870.40	0.62	-0.60	-0.14
18,625.00	89.09	91.38	7,736.48	3,686.48	10,321.72	10,959.46	0.33	0.33	-0.04
18,719.00	89.00	90.94	7,738.04	3,684.58	10,415.69	11,047.72	0.48	-0.10	-0.47
18,814.00	90.10	91.99	7,738.79	3,682.15	10,510.65	11,136.75	1.60	1.16	1.11
18,877.00	89.40	91.07	7,739.06	3,680.47	10,573.63	11,195.77	1.83	-1.11	-1.46
LAST SURVEY - 18877' MD, 7739' TVD									
19,017.00	89.40	91.07	7,740.53	3,677.85	10,713.60	11,327.30	0.00	0.00	0.00
PTB - 19017' MD, 7741' TVD, 394' FSL, 331' FEL SEC 23									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
PBHL-BEAR 3-65 22-23	0.00	0.00	7,745.00	3,683.63	10,714.44	1,160,236.22	3,246,553.22	39.769869°N	104.622881°W
- actual wellpath misses target center by 7.36usft at 19017.00usft MD (7740.53 TVD, 3677.85 N, 10713.60 E)									
- Point									
LP-BEAR 3-65 22-23 4B	0.00	0.00	7,835.00	3,775.33	758.69	1,160,233.71	3,236,597.11	39.770127°N	104.658298°W
- actual wellpath misses target center by 14.31usft at 9059.79usft MD (7824.09 TVD, 3766.20 N, 760.29 E)									
- Point									

Civitas Resources

Survey Report

Company: CRESTONE PEAK RESOURCES	Local Co-ordinate Reference: Well BEAR 3-65 22-23 4BH
Project: ADAMS COUNTY	TVD Reference: KB 25' @ 5610.00usft
Site: SEC 28-T3S-R65W	MD Reference: KB 25' @ 5610.00usft
Well: BEAR 3-65 22-23 4BH	North Reference: True
Wellbore: OWB	Survey Calculation Method: Minimum Curvature
Design: FINAL SURVEY	Database: EDM

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
3,590.00	3,280.46	1,337.23	42.97	SURFACE CSG - 3590' MD, 3280' TVD
8,190.00	7,332.47	3,505.90	173.37	KOP - 8190' MD, 7332' TVD
9,058.18	7,823.92	3,766.11	758.69	~330' X-OVER PNT - 9058.18' MD, 7824' TVD, 391' FSL, 330' FWL SEC 22
9,120.00	7,828.62	3,768.79	820.26	HZ LANDING PNT - 9120' MD, 7829' TVD
18,877.00	7,739.06	3,680.47	10,573.63	LAST SURVEY - 18877' MD, 7739' TVD
19,017.00	7,740.53	3,677.85	10,713.60	PTB - 19017' MD, 7741' TVD, 394' FSL, 331' FEL SEC 23

Checked By: _____ Approved By: _____ Date: _____