

# **CRESTONE PEAK RESOURCES**

**ADAMS COUNTY**

**SEC 34-T3S-R64W**

**TRANSPORT 3-64 34-35-36 2AH**

**OWB**

**Plan: PROPOSAL 1**

## **Standard Planning Report**

**05 January, 2026**

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

Project: ADAMS COUNTY  
 Site: SEC 34-T3S-R64W  
 Well: TRANSPORT 3-64 34-35-36 2AH  
 Wellbore: OWB  
 Design: PROPOSAL 1



Azimuths to True North  
 Magnetic North: 7.31°  
 Magnetic Field  
 Strength: 51264.9nT  
 Dip Angle: 66.02°  
 Date: 11/14/2024  
 Model: IGRF2020

WELL DETAILS: TRANSPORT 3-64 34-35-36 2AH

ANNOTATIONS

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
			5572.00			
0.00	0.00	1149774.08	3271604.93	39.740435°N	104.534171°W	

MD	Inc	Azi	TVD	+N/-S	+E/-W	VSec	Departure	Annotation
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	Start Build 2.00
2307.64	40.15	306.58	2147.30	402.33	-542.19	-443.94	675.15	Start 5936.24 hold at 2307.64 MD
8243.88	40.15	306.58	6684.52	2683.37	-3616.17	-2960.92	4503.02	Start DLS 10.00 TFO 137.10
9461.06	90.00	91.20	7470.00	3056.80	-3120.89	-2397.40	5339.52	Start 15635.85 hold at 9461.06 MD
25096.91	90.00	91.20	7470.00	2730.45	12511.56	12806.03	20975.37	TD at 25096.91

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	
3	2307.64	40.15	306.58	2147.30	402.33	-542.19	2.00	306.58	-443.94	
4	8243.88	40.15	306.58	6684.52	2683.37	-3616.17	0.00	0.00	-2960.92	
5	9461.06	90.00	91.20	7470.00	3056.80	-3120.89	10.00	137.10	-2397.40	LP-TRANSPORT 3-64 2AH
6	25096.91	90.00	91.20	7470.00	2730.45	12511.56	0.00	0.00	12806.03	PBHL-TRANSPORT 3-64 2AH

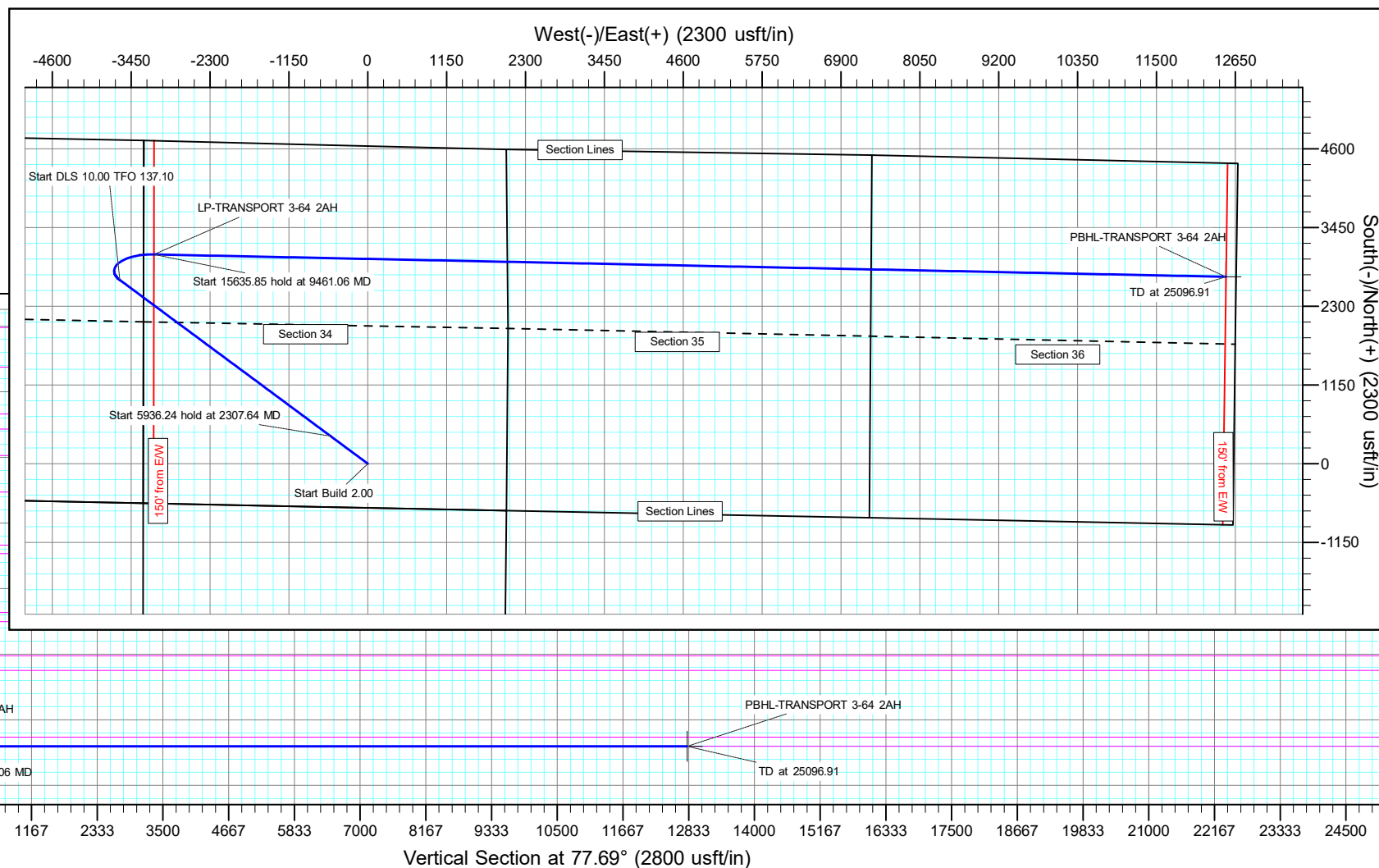
DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
LP-TRANSPORT 3-64 2AH - plan hits target center	7470.00	3056.80	-3120.89	1152796.70	3268450.95	39.748826°N	104.545270°W	Point
PBHL-TRANSPORT 3-64 2AH - plan hits target center	7470.00	2730.45	12511.56	1152640.63	3284085.96	39.747922°N	104.489676°W	Point

SHL:  
645' FSL, 2026' FEL  
Sec 34-T3S-R64W

TPZ:  
1660' FNL, 150' FWL  
Sec 34-T3S-R64W

BHL:  
1660' FNL, 150' FEL  
Sec 36-T3S-R64W



# Civitas Resources

## Planning Report

<b>Database:</b>	EDM	<b>Local Co-ordinate Reference:</b>	Well TRANSPORT 3-64 34-35-36 2AH
<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>TVD Reference:</b>	kb 25' @ 5597.00usft
<b>Project:</b>	ADAMS COUNTY	<b>MD Reference:</b>	kb 25' @ 5597.00usft
<b>Site:</b>	SEC 34-T3S-R64W	<b>North Reference:</b>	True
<b>Well:</b>	TRANSPORT 3-64 34-35-36 2AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OWB		
<b>Design:</b>	PROPOSAL 1		

<b>Project</b> ADAMS COUNTY			
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Colorado Northern Zone		Using geodetic scale factor

<b>Site</b> SEC 34-T3S-R64W			
<b>Site Position:</b>		<b>Northing:</b>	1,149,109.57 usft
<b>From:</b>	Lat/Long	<b>Easting:</b>	3,273,632.07 usft
<b>Position Uncertainty:</b>	0.00 usft	<b>Slot Radius:</b>	13.200 in
		<b>Latitude:</b>	39.738550°N
		<b>Longitude:</b>	104.526989°W
		<b>Grid Convergence:</b>	0.63 °

<b>Well</b> TRANSPORT 3-64 34-35-36 2AH			
<b>Well Position</b>	<b>+N/-S</b>	686.71 usft	<b>Northing:</b> 1,149,774.08 usft
	<b>+E/-W</b>	-2,019.73 usft	<b>Easting:</b> 3,271,604.94 usft
<b>Position Uncertainty</b>		0.00 usft	<b>Wellhead Elevation:</b>
			<b>Latitude:</b> 39.740435°N
			<b>Longitude:</b> 104.534171°W
			<b>Ground Level:</b> 5,572.00 usft

<b>Wellbore</b> OWB					
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2020	11/14/2024	7.31	66.02	51,264.90465176

<b>Design</b> PROPOSAL 1				
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PROTOTYPE	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (°)</b>
	0.00	0.00	0.00	77.69

<b>Plan Survey Tool Program</b>		<b>Date</b>	1/5/2026		
<b>Depth From (usft)</b>	<b>Depth To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Remarks</b>	
1	0.00	25,096.91	PROPOSAL 1 (OWB)	MWD OWSG	
				OWSG MWD - Standard	

<b>Plan Sections</b>										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,307.64	40.15	306.58	2,147.30	402.33	-542.19	2.00	2.00	0.00	306.58	
8,243.88	40.15	306.58	6,684.52	2,683.37	-3,616.17	0.00	0.00	0.00	0.00	
9,461.06	90.00	91.20	7,470.00	3,056.80	-3,120.89	10.00	4.10	11.88	137.10	LP-TRANSPORT 3-64
25,096.91	90.00	91.20	7,470.00	2,730.45	12,511.56	0.00	0.00	0.00	0.00	PBHL-TRANSPORT 3-64

# Civitas Resources

## Planning Report

<b>Database:</b>	EDM	<b>Local Co-ordinate Reference:</b>	Well TRANSPORT 3-64 34-35-36 2AH
<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>TVD Reference:</b>	kb 25' @ 5597.00usft
<b>Project:</b>	ADAMS COUNTY	<b>MD Reference:</b>	kb 25' @ 5597.00usft
<b>Site:</b>	SEC 34-T3S-R64W	<b>North Reference:</b>	True
<b>Well:</b>	TRANSPORT 3-64 34-35-36 2AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OWB		
<b>Design:</b>	PROPOSAL 1		

Planned 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	0.00
24.00	0.00	0.00	24.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Denver</b>										
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Start Build 2.00</b>										
400.00	2.00	306.58	399.98	1.04	-1.40	-1.15	2.00	2.00	2.00	0.00
500.00	4.00	306.58	499.84	4.16	-5.60	-4.59	2.00	2.00	2.00	0.00
600.00	6.00	306.58	599.45	9.35	-12.60	-10.32	2.00	2.00	2.00	0.00
700.00	8.00	306.58	698.70	16.61	-22.39	-18.33	2.00	2.00	2.00	0.00
731.63	8.63	306.58	730.00	19.34	-26.06	-21.34	2.00	2.00	2.00	0.00
<b>Arapahoe</b>										
800.00	10.00	306.58	797.47	25.94	-34.95	-28.62	2.00	2.00	2.00	0.00
900.00	12.00	306.58	895.62	37.31	-50.27	-41.16	2.00	2.00	2.00	0.00
1,000.00	14.00	306.58	993.06	50.71	-68.34	-55.95	2.00	2.00	2.00	0.00
1,100.00	16.00	306.58	1,089.64	66.13	-89.12	-72.97	2.00	2.00	2.00	0.00
1,200.00	18.00	306.58	1,185.27	83.55	-112.60	-92.20	2.00	2.00	2.00	0.00
1,300.00	20.00	306.58	1,279.82	102.95	-138.74	-113.60	2.00	2.00	2.00	0.00
1,400.00	22.00	306.58	1,373.17	124.31	-167.52	-137.17	2.00	2.00	2.00	0.00
1,500.00	24.00	306.58	1,465.21	147.59	-198.90	-162.86	2.00	2.00	2.00	0.00
1,600.00	26.00	306.58	1,555.84	172.77	-232.83	-190.64	2.00	2.00	2.00	0.00
1,604.63	26.09	306.58	1,560.00	173.98	-234.47	-191.98	2.00	2.00	2.00	0.00
<b>Laramie-Fox Hills Formation</b>										
1,700.00	28.00	306.58	1,644.94	199.83	-269.29	-220.49	2.00	2.00	2.00	0.00
1,800.00	30.00	306.58	1,732.39	228.71	-308.22	-252.37	2.00	2.00	2.00	0.00
1,900.00	32.00	306.58	1,818.11	259.40	-349.58	-286.23	2.00	2.00	2.00	0.00
1,914.05	32.28	306.58	1,830.00	263.86	-355.58	-291.15	2.00	2.00	2.00	0.00
<b>Pierre Formation</b>										
2,000.00	34.00	306.58	1,901.97	291.86	-393.31	-322.05	2.00	2.00	2.00	0.00
2,100.00	36.00	306.58	1,983.88	326.04	-439.37	-359.76	2.00	2.00	2.00	0.00
2,200.00	38.00	306.58	2,063.74	361.90	-487.70	-399.33	2.00	2.00	2.00	0.00
2,307.64	40.15	306.58	2,147.30	402.33	-542.19	-443.94	2.00	2.00	2.00	0.00
<b>Start 5936.24 hold at 2307.64 MD</b>										
2,400.00	40.15	306.58	2,217.89	437.82	-590.01	-483.10	0.00	0.00	0.00	0.00
2,500.00	40.15	306.58	2,294.32	476.24	-641.80	-525.50	0.00	0.00	0.00	0.00
2,507.43	40.15	306.58	2,300.00	479.10	-645.64	-528.65	0.00	0.00	0.00	0.00
<b>Upper Pierre aquifer</b>										
2,600.00	40.15	306.58	2,370.75	514.67	-693.58	-567.90	0.00	0.00	0.00	0.00
2,700.00	40.15	306.58	2,447.19	553.09	-745.36	-610.30	0.00	0.00	0.00	0.00
2,800.00	40.15	306.58	2,523.62	591.52	-797.15	-652.70	0.00	0.00	0.00	0.00
2,900.00	40.15	306.58	2,600.05	629.94	-848.93	-695.10	0.00	0.00	0.00	0.00
3,000.00	40.15	306.58	2,676.49	668.37	-900.71	-737.50	0.00	0.00	0.00	0.00
3,100.00	40.15	306.58	2,752.92	706.80	-952.50	-779.90	0.00	0.00	0.00	0.00
3,200.00	40.15	306.58	2,829.35	745.22	-1,004.28	-822.30	0.00	0.00	0.00	0.00
3,300.00	40.15	306.58	2,905.78	783.65	-1,056.06	-864.70	0.00	0.00	0.00	0.00
3,357.85	40.15	306.58	2,950.00	805.88	-1,086.02	-889.23	0.00	0.00	0.00	0.00
<b>Base of Upper Pierre aquifer</b>										
3,400.00	40.15	306.58	2,982.22	822.07	-1,107.85	-907.10	0.00	0.00	0.00	0.00
3,500.00	40.15	306.58	3,058.65	860.50	-1,159.63	-949.50	0.00	0.00	0.00	0.00
3,600.00	40.15	306.58	3,135.08	898.92	-1,211.41	-991.90	0.00	0.00	0.00	0.00
3,700.00	40.15	306.58	3,211.51	937.35	-1,263.20	-1,034.30	0.00	0.00	0.00	0.00
3,800.00	40.15	306.58	3,287.95	975.78	-1,314.98	-1,076.70	0.00	0.00	0.00	0.00

# Civitas Resources

## Planning Report

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<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>TVD Reference:</b>	kb 25' @ 5597.00usft
<b>Project:</b>	ADAMS COUNTY	<b>MD Reference:</b>	kb 25' @ 5597.00usft
<b>Site:</b>	SEC 34-T3S-R64W	<b>North Reference:</b>	True
<b>Well:</b>	TRANSPORT 3-64 34-35-36 2AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OWB		
<b>Design:</b>	PROPOSAL 1		

Planned 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)	
3,900.00	40.15	306.58	3,364.38	1,014.20	-1,366.76	-1,119.10	0.00	0.00	0.00	
4,000.00	40.15	306.58	3,440.81	1,052.63	-1,418.55	-1,161.50	0.00	0.00	0.00	
4,100.00	40.15	306.58	3,517.24	1,091.05	-1,470.33	-1,203.90	0.00	0.00	0.00	
4,200.00	40.15	306.58	3,593.68	1,129.48	-1,522.11	-1,246.30	0.00	0.00	0.00	
4,300.00	40.15	306.58	3,670.11	1,167.90	-1,573.90	-1,288.70	0.00	0.00	0.00	
4,400.00	40.15	306.58	3,746.54	1,206.33	-1,625.68	-1,331.10	0.00	0.00	0.00	
4,500.00	40.15	306.58	3,822.98	1,244.75	-1,677.46	-1,373.50	0.00	0.00	0.00	
4,590.31	40.15	306.58	3,892.00	1,279.46	-1,724.23	-1,411.80	0.00	0.00	0.00	
<b>Larimer ("Parkman") sandstone</b>										
4,600.00	40.15	306.58	3,899.41	1,283.18	-1,729.25	-1,415.90	0.00	0.00	0.00	
4,700.00	40.15	306.58	3,975.84	1,321.61	-1,781.03	-1,458.30	0.00	0.00	0.00	
4,790.48	40.15	306.58	4,045.00	1,356.38	-1,827.89	-1,496.67	0.00	0.00	0.00	
<b>Pierre Formation</b>										
4,800.00	40.15	306.58	4,052.27	1,360.03	-1,832.81	-1,500.70	0.00	0.00	0.00	
4,900.00	40.15	306.58	4,128.71	1,398.46	-1,884.60	-1,543.10	0.00	0.00	0.00	
5,000.00	40.15	306.58	4,205.14	1,436.88	-1,936.38	-1,585.50	0.00	0.00	0.00	
5,100.00	40.15	306.58	4,281.57	1,475.31	-1,988.16	-1,627.91	0.00	0.00	0.00	
5,200.00	40.15	306.58	4,358.00	1,513.73	-2,039.95	-1,670.31	0.00	0.00	0.00	
5,300.00	40.15	306.58	4,434.44	1,552.16	-2,091.73	-1,712.71	0.00	0.00	0.00	
5,400.00	40.15	306.58	4,510.87	1,590.59	-2,143.51	-1,755.11	0.00	0.00	0.00	
5,500.00	40.15	306.58	4,587.30	1,629.01	-2,195.30	-1,797.51	0.00	0.00	0.00	
5,600.00	40.15	306.58	4,663.73	1,667.44	-2,247.08	-1,839.91	0.00	0.00	0.00	
5,700.00	40.15	306.58	4,740.17	1,705.86	-2,298.87	-1,882.31	0.00	0.00	0.00	
5,800.00	40.15	306.58	4,816.60	1,744.29	-2,350.65	-1,924.71	0.00	0.00	0.00	
5,900.00	40.15	306.58	4,893.03	1,782.71	-2,402.43	-1,967.11	0.00	0.00	0.00	
6,000.00	40.15	306.58	4,969.46	1,821.14	-2,454.22	-2,009.51	0.00	0.00	0.00	
6,100.00	40.15	306.58	5,045.90	1,859.57	-2,506.00	-2,051.91	0.00	0.00	0.00	
6,157.70	40.15	306.58	5,090.00	1,881.74	-2,535.88	-2,076.37	0.00	0.00	0.00	
<b>Terry ("Sussex") sandstone</b>										
6,200.00	40.15	306.58	5,122.33	1,897.99	-2,557.78	-2,094.31	0.00	0.00	0.00	
6,300.00	40.15	306.58	5,198.76	1,936.42	-2,609.57	-2,136.71	0.00	0.00	0.00	
6,373.58	40.15	306.58	5,255.00	1,964.69	-2,647.67	-2,167.90	0.00	0.00	0.00	
<b>Pierre Formation</b>										
6,400.00	40.15	306.58	5,275.20	1,974.84	-2,661.35	-2,179.11	0.00	0.00	0.00	
6,500.00	40.15	306.58	5,351.63	2,013.27	-2,713.13	-2,221.51	0.00	0.00	0.00	
6,600.00	40.15	306.58	5,428.06	2,051.69	-2,764.92	-2,263.91	0.00	0.00	0.00	
6,700.00	40.15	306.58	5,504.49	2,090.12	-2,816.70	-2,306.31	0.00	0.00	0.00	
6,800.00	40.15	306.58	5,580.93	2,128.54	-2,868.48	-2,348.71	0.00	0.00	0.00	
6,900.00	40.15	306.58	5,657.36	2,166.97	-2,920.27	-2,391.11	0.00	0.00	0.00	
7,000.00	40.15	306.58	5,733.79	2,205.40	-2,972.05	-2,433.51	0.00	0.00	0.00	
7,100.00	40.15	306.58	5,810.22	2,243.82	-3,023.83	-2,475.91	0.00	0.00	0.00	
7,165.12	40.15	306.58	5,860.00	2,268.85	-3,057.56	-2,503.52	0.00	0.00	0.00	
<b>Hygiene ("Shannon") sandstone</b>										
7,200.00	40.15	306.58	5,886.66	2,282.25	-3,075.62	-2,518.31	0.00	0.00	0.00	
7,300.00	40.15	306.58	5,963.09	2,320.67	-3,127.40	-2,560.71	0.00	0.00	0.00	
7,400.00	40.15	306.58	6,039.52	2,359.10	-3,179.18	-2,603.11	0.00	0.00	0.00	
7,500.00	40.15	306.58	6,115.95	2,397.52	-3,230.97	-2,645.51	0.00	0.00	0.00	
7,506.60	40.15	306.58	6,121.00	2,400.06	-3,234.38	-2,648.31	0.00	0.00	0.00	
<b>Pierre Formation</b>										
7,600.00	40.15	306.58	6,192.39	2,435.95	-3,282.75	-2,687.91	0.00	0.00	0.00	
7,700.00	40.15	306.58	6,268.82	2,474.38	-3,334.53	-2,730.31	0.00	0.00	0.00	
7,800.00	40.15	306.58	6,345.25	2,512.80	-3,386.32	-2,772.71	0.00	0.00	0.00	
7,900.00	40.15	306.58	6,421.69	2,551.23	-3,438.10	-2,815.11	0.00	0.00	0.00	

# Civitas Resources

## Planning Report

<b>Database:</b>	EDM	<b>Local Co-ordinate Reference:</b>	Well TRANSPORT 3-64 34-35-36 2AH
<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>TVD Reference:</b>	kb 25' @ 5597.00usft
<b>Project:</b>	ADAMS COUNTY	<b>MD Reference:</b>	kb 25' @ 5597.00usft
<b>Site:</b>	SEC 34-T3S-R64W	<b>North Reference:</b>	True
<b>Well:</b>	TRANSPORT 3-64 34-35-36 2AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OWB		
<b>Design:</b>	PROPOSAL 1		

Planned 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)
8,000.00	40.15	306.58	6,498.12	2,589.65	-3,489.88	-2,857.51	0.00	0.00	0.00
8,100.00	40.15	306.58	6,574.55	2,628.08	-3,541.67	-2,899.91	0.00	0.00	0.00
8,200.00	40.15	306.58	6,650.98	2,666.50	-3,593.45	-2,942.31	0.00	0.00	0.00
8,243.88	40.15	306.58	6,684.52	2,683.37	-3,616.17	-2,960.92	0.00	0.00	0.00
<b>Start DLS 10.00 TFO 137.10</b>									
8,250.00	39.71	307.23	6,689.21	2,685.72	-3,619.31	-2,963.48	10.00	-7.30	10.65
8,300.00	36.21	313.05	6,728.64	2,705.48	-3,642.84	-2,982.25	10.00	-6.99	11.64
8,350.00	33.04	319.87	6,769.80	2,726.00	-3,662.43	-2,997.02	10.00	-6.33	13.64
8,400.00	30.32	327.86	6,812.36	2,747.12	-3,677.94	-3,007.67	10.00	-5.46	15.98
8,450.00	28.15	337.10	6,856.01	2,768.68	-3,689.25	-3,014.12	10.00	-4.33	18.49
8,500.00	26.69	347.50	6,900.42	2,790.52	-3,696.28	-3,016.33	10.00	-2.92	20.80
8,550.00	26.06	358.68	6,945.24	2,812.48	-3,698.96	-3,014.27	10.00	-1.27	22.36
8,600.00	26.30	10.01	6,990.14	2,834.38	-3,697.29	-3,007.97	10.00	0.50	22.67
8,650.00	27.41	20.82	7,034.78	2,856.06	-3,691.27	-2,997.47	10.00	2.21	21.62
8,700.00	29.28	30.60	7,078.80	2,877.36	-3,680.95	-2,982.84	10.00	3.74	19.56
8,750.00	31.78	39.14	7,121.89	2,898.11	-3,666.41	-2,964.21	10.00	4.99	17.08
8,800.00	34.76	46.46	7,163.71	2,918.15	-3,647.75	-2,941.71	10.00	5.97	14.64
8,850.00	38.12	52.70	7,203.94	2,937.33	-3,625.13	-2,915.51	10.00	6.72	12.48
8,900.00	41.77	58.04	7,242.27	2,955.51	-3,598.70	-2,885.82	10.00	7.29	10.67
8,950.00	45.63	62.65	7,278.43	2,972.55	-3,568.68	-2,852.86	10.00	7.72	9.22
8,996.74	49.38	66.43	7,310.00	2,987.33	-3,537.57	-2,819.31	10.00	8.03	8.09
<b>Sharon Springs Member</b>									
9,000.00	49.65	66.67	7,312.12	2,988.32	-3,535.30	-2,816.88	10.00	8.17	7.59
9,050.00	53.79	70.24	7,343.09	3,002.69	-3,498.79	-2,778.15	10.00	8.29	7.13
9,100.00	58.03	73.44	7,371.12	3,015.56	-3,459.46	-2,736.98	10.00	8.48	6.41
9,150.00	62.34	76.36	7,395.98	3,026.83	-3,417.58	-2,693.66	10.00	8.62	5.84
9,200.00	66.71	79.06	7,417.48	3,036.42	-3,373.49	-2,648.54	10.00	8.74	5.39
9,250.00	71.12	81.58	7,435.46	3,044.24	-3,327.52	-2,601.95	10.00	8.82	5.05
9,300.00	75.57	83.97	7,449.79	3,050.25	-3,280.01	-2,554.26	10.00	8.89	4.79
9,350.00	80.03	86.27	7,460.36	3,054.40	-3,231.33	-2,505.81	10.00	8.93	4.60
9,400.00	84.52	88.51	7,467.08	3,056.65	-3,181.85	-2,456.99	10.00	8.96	4.47
9,450.00	89.01	90.71	7,469.90	3,056.99	-3,131.95	-2,408.16	10.00	8.98	4.41
9,461.06	90.00	91.20	7,470.00	3,056.80	-3,120.89	-2,397.40	10.00	8.99	4.39
<b>Start 15635.85 hold at 9461.06 MD - Niobrara Formation</b>									
9,500.00	90.00	91.20	7,470.00	3,055.99	-3,081.96	-2,359.54	0.00	0.00	0.00
9,600.00	90.00	91.20	7,470.00	3,053.90	-2,981.98	-2,262.30	0.00	0.00	0.00
9,700.00	90.00	91.20	7,470.00	3,051.82	-2,882.00	-2,165.07	0.00	0.00	0.00
9,800.00	90.00	91.20	7,470.00	3,049.73	-2,782.02	-2,067.83	0.00	0.00	0.00
9,900.00	90.00	91.20	7,470.00	3,047.64	-2,682.04	-1,970.60	0.00	0.00	0.00
10,000.00	90.00	91.20	7,470.00	3,045.56	-2,582.07	-1,873.36	0.00	0.00	0.00
10,100.00	90.00	91.20	7,470.00	3,043.47	-2,482.09	-1,776.13	0.00	0.00	0.00
10,200.00	90.00	91.20	7,470.00	3,041.38	-2,382.11	-1,678.90	0.00	0.00	0.00
10,300.00	90.00	91.20	7,470.00	3,039.29	-2,282.13	-1,581.66	0.00	0.00	0.00
10,400.00	90.00	91.20	7,470.00	3,037.21	-2,182.15	-1,484.43	0.00	0.00	0.00
10,500.00	90.00	91.20	7,470.00	3,035.12	-2,082.18	-1,387.19	0.00	0.00	0.00
10,600.00	90.00	91.20	7,470.00	3,033.03	-1,982.20	-1,289.96	0.00	0.00	0.00
10,700.00	90.00	91.20	7,470.00	3,030.95	-1,882.22	-1,192.72	0.00	0.00	0.00
10,800.00	90.00	91.20	7,470.00	3,028.86	-1,782.24	-1,095.49	0.00	0.00	0.00
10,900.00	90.00	91.20	7,470.00	3,026.77	-1,682.26	-998.25	0.00	0.00	0.00
11,000.00	90.00	91.20	7,470.00	3,024.68	-1,582.28	-901.02	0.00	0.00	0.00
11,100.00	90.00	91.20	7,470.00	3,022.60	-1,482.31	-803.79	0.00	0.00	0.00
11,200.00	90.00	91.20	7,470.00	3,020.51	-1,382.33	-706.55	0.00	0.00	0.00
11,300.00	90.00	91.20	7,470.00	3,018.42	-1,282.35	-609.32	0.00	0.00	0.00

# Civitas Resources

## Planning Report

<b>Database:</b>	EDM	<b>Local Co-ordinate Reference:</b>	Well TRANSPORT 3-64 34-35-36 2AH
<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>TVD Reference:</b>	kb 25' @ 5597.00usft
<b>Project:</b>	ADAMS COUNTY	<b>MD Reference:</b>	kb 25' @ 5597.00usft
<b>Site:</b>	SEC 34-T3S-R64W	<b>North Reference:</b>	True
<b>Well:</b>	TRANSPORT 3-64 34-35-36 2AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OWB		
<b>Design:</b>	PROPOSAL 1		

Planned 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)	
11,400.00	90.00	91.20	7,470.00	3,016.33	-1,182.37	-512.08	0.00	0.00	0.00	
11,500.00	90.00	91.20	7,470.00	3,014.25	-1,082.39	-414.85	0.00	0.00	0.00	
11,600.00	90.00	91.20	7,470.00	3,012.16	-982.42	-317.61	0.00	0.00	0.00	
11,700.00	90.00	91.20	7,470.00	3,010.07	-882.44	-220.38	0.00	0.00	0.00	
11,800.00	90.00	91.20	7,470.00	3,007.99	-782.46	-123.14	0.00	0.00	0.00	
11,900.00	90.00	91.20	7,470.00	3,005.90	-682.48	-25.91	0.00	0.00	0.00	
12,000.00	90.00	91.20	7,470.00	3,003.81	-582.50	71.32	0.00	0.00	0.00	
12,100.00	90.00	91.20	7,470.00	3,001.72	-482.52	168.56	0.00	0.00	0.00	
12,200.00	90.00	91.20	7,470.00	2,999.64	-382.55	265.79	0.00	0.00	0.00	
12,300.00	90.00	91.20	7,470.00	2,997.55	-282.57	363.03	0.00	0.00	0.00	
12,400.00	90.00	91.20	7,470.00	2,995.46	-182.59	460.26	0.00	0.00	0.00	
12,500.00	90.00	91.20	7,470.00	2,993.38	-82.61	557.50	0.00	0.00	0.00	
12,600.00	90.00	91.20	7,470.00	2,991.29	17.37	654.73	0.00	0.00	0.00	
12,700.00	90.00	91.20	7,470.00	2,989.20	117.35	751.97	0.00	0.00	0.00	
12,800.00	90.00	91.20	7,470.00	2,987.11	217.32	849.20	0.00	0.00	0.00	
12,900.00	90.00	91.20	7,470.00	2,985.03	317.30	946.43	0.00	0.00	0.00	
13,000.00	90.00	91.20	7,470.00	2,982.94	417.28	1,043.67	0.00	0.00	0.00	
13,100.00	90.00	91.20	7,470.00	2,980.85	517.26	1,140.90	0.00	0.00	0.00	
13,200.00	90.00	91.20	7,470.00	2,978.76	617.24	1,238.14	0.00	0.00	0.00	
13,300.00	90.00	91.20	7,470.00	2,976.68	717.21	1,335.37	0.00	0.00	0.00	
13,400.00	90.00	91.20	7,470.00	2,974.59	817.19	1,432.61	0.00	0.00	0.00	
13,500.00	90.00	91.20	7,470.00	2,972.50	917.17	1,529.84	0.00	0.00	0.00	
13,600.00	90.00	91.20	7,470.00	2,970.42	1,017.15	1,627.07	0.00	0.00	0.00	
13,700.00	90.00	91.20	7,470.00	2,968.33	1,117.13	1,724.31	0.00	0.00	0.00	
13,800.00	90.00	91.20	7,470.00	2,966.24	1,217.11	1,821.54	0.00	0.00	0.00	
13,900.00	90.00	91.20	7,470.00	2,964.15	1,317.08	1,918.78	0.00	0.00	0.00	
14,000.00	90.00	91.20	7,470.00	2,962.07	1,417.06	2,016.01	0.00	0.00	0.00	
14,100.00	90.00	91.20	7,470.00	2,959.98	1,517.04	2,113.25	0.00	0.00	0.00	
14,200.00	90.00	91.20	7,470.00	2,957.89	1,617.02	2,210.48	0.00	0.00	0.00	
14,300.00	90.00	91.20	7,470.00	2,955.81	1,717.00	2,307.72	0.00	0.00	0.00	
14,400.00	90.00	91.20	7,470.00	2,953.72	1,816.97	2,404.95	0.00	0.00	0.00	
14,500.00	90.00	91.20	7,470.00	2,951.63	1,916.95	2,502.18	0.00	0.00	0.00	
14,600.00	90.00	91.20	7,470.00	2,949.54	2,016.93	2,599.42	0.00	0.00	0.00	
14,700.00	90.00	91.20	7,470.00	2,947.46	2,116.91	2,696.65	0.00	0.00	0.00	
14,800.00	90.00	91.20	7,470.00	2,945.37	2,216.89	2,793.89	0.00	0.00	0.00	
14,900.00	90.00	91.20	7,470.00	2,943.28	2,316.87	2,891.12	0.00	0.00	0.00	
15,000.00	90.00	91.20	7,470.00	2,941.19	2,416.84	2,988.36	0.00	0.00	0.00	
15,100.00	90.00	91.20	7,470.00	2,939.11	2,516.82	3,085.59	0.00	0.00	0.00	
15,200.00	90.00	91.20	7,470.00	2,937.02	2,616.80	3,182.83	0.00	0.00	0.00	
15,300.00	90.00	91.20	7,470.00	2,934.93	2,716.78	3,280.06	0.00	0.00	0.00	
15,400.00	90.00	91.20	7,470.00	2,932.85	2,816.76	3,377.29	0.00	0.00	0.00	
15,500.00	90.00	91.20	7,470.00	2,930.76	2,916.74	3,474.53	0.00	0.00	0.00	
15,600.00	90.00	91.20	7,470.00	2,928.67	3,016.71	3,571.76	0.00	0.00	0.00	
15,700.00	90.00	91.20	7,470.00	2,926.58	3,116.69	3,669.00	0.00	0.00	0.00	
15,800.00	90.00	91.20	7,470.00	2,924.50	3,216.67	3,766.23	0.00	0.00	0.00	
15,900.00	90.00	91.20	7,470.00	2,922.41	3,316.65	3,863.47	0.00	0.00	0.00	
16,000.00	90.00	91.20	7,470.00	2,920.32	3,416.63	3,960.70	0.00	0.00	0.00	
16,100.00	90.00	91.20	7,470.00	2,918.23	3,516.60	4,057.94	0.00	0.00	0.00	
16,200.00	90.00	91.20	7,470.00	2,916.15	3,616.58	4,155.17	0.00	0.00	0.00	
16,300.00	90.00	91.20	7,470.00	2,914.06	3,716.56	4,252.40	0.00	0.00	0.00	
16,400.00	90.00	91.20	7,470.00	2,911.97	3,816.54	4,349.64	0.00	0.00	0.00	
16,500.00	90.00	91.20	7,470.00	2,909.89	3,916.52	4,446.87	0.00	0.00	0.00	
16,600.00	90.00	91.20	7,470.00	2,907.80	4,016.50	4,544.11	0.00	0.00	0.00	
16,700.00	90.00	91.20	7,470.00	2,905.71	4,116.47	4,641.34	0.00	0.00	0.00	

# Civitas Resources

## Planning Report

<b>Database:</b>	EDM	<b>Local Co-ordinate Reference:</b>	Well TRANSPORT 3-64 34-35-36 2AH
<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>TVD Reference:</b>	kb 25' @ 5597.00usft
<b>Project:</b>	ADAMS COUNTY	<b>MD Reference:</b>	kb 25' @ 5597.00usft
<b>Site:</b>	SEC 34-T3S-R64W	<b>North Reference:</b>	True
<b>Well:</b>	TRANSPORT 3-64 34-35-36 2AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OWB		
<b>Design:</b>	PROPOSAL 1		

Planned 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)
16,800.00	90.00	91.20	7,470.00	2,903.62	4,216.45	4,738.58	0.00	0.00	0.00
16,900.00	90.00	91.20	7,470.00	2,901.54	4,316.43	4,835.81	0.00	0.00	0.00
17,000.00	90.00	91.20	7,470.00	2,899.45	4,416.41	4,933.04	0.00	0.00	0.00
17,100.00	90.00	91.20	7,470.00	2,897.36	4,516.39	5,030.28	0.00	0.00	0.00
17,200.00	90.00	91.20	7,470.00	2,895.28	4,616.37	5,127.51	0.00	0.00	0.00
17,300.00	90.00	91.20	7,470.00	2,893.19	4,716.34	5,224.75	0.00	0.00	0.00
17,400.00	90.00	91.20	7,470.00	2,891.10	4,816.32	5,321.98	0.00	0.00	0.00
17,500.00	90.00	91.20	7,470.00	2,889.01	4,916.30	5,419.22	0.00	0.00	0.00
17,600.00	90.00	91.20	7,470.00	2,886.93	5,016.28	5,516.45	0.00	0.00	0.00
17,700.00	90.00	91.20	7,470.00	2,884.84	5,116.26	5,613.69	0.00	0.00	0.00
17,800.00	90.00	91.20	7,470.00	2,882.75	5,216.23	5,710.92	0.00	0.00	0.00
17,900.00	90.00	91.20	7,470.00	2,880.66	5,316.21	5,808.15	0.00	0.00	0.00
18,000.00	90.00	91.20	7,470.00	2,878.58	5,416.19	5,905.39	0.00	0.00	0.00
18,100.00	90.00	91.20	7,470.00	2,876.49	5,516.17	6,002.62	0.00	0.00	0.00
18,200.00	90.00	91.20	7,470.00	2,874.40	5,616.15	6,099.86	0.00	0.00	0.00
18,300.00	90.00	91.20	7,470.00	2,872.32	5,716.13	6,197.09	0.00	0.00	0.00
18,400.00	90.00	91.20	7,470.00	2,870.23	5,816.10	6,294.33	0.00	0.00	0.00
18,500.00	90.00	91.20	7,470.00	2,868.14	5,916.08	6,391.56	0.00	0.00	0.00
18,600.00	90.00	91.20	7,470.00	2,866.05	6,016.06	6,488.80	0.00	0.00	0.00
18,700.00	90.00	91.20	7,470.00	2,863.97	6,116.04	6,586.03	0.00	0.00	0.00
18,800.00	90.00	91.20	7,470.00	2,861.88	6,216.02	6,683.26	0.00	0.00	0.00
18,900.00	90.00	91.20	7,470.00	2,859.79	6,315.99	6,780.50	0.00	0.00	0.00
19,000.00	90.00	91.20	7,470.00	2,857.71	6,415.97	6,877.73	0.00	0.00	0.00
19,100.00	90.00	91.20	7,470.00	2,855.62	6,515.95	6,974.97	0.00	0.00	0.00
19,200.00	90.00	91.20	7,470.00	2,853.53	6,615.93	7,072.20	0.00	0.00	0.00
19,300.00	90.00	91.20	7,470.00	2,851.44	6,715.91	7,169.44	0.00	0.00	0.00
19,400.00	90.00	91.20	7,470.00	2,849.36	6,815.89	7,266.67	0.00	0.00	0.00
19,500.00	90.00	91.20	7,470.00	2,847.27	6,915.86	7,363.91	0.00	0.00	0.00
19,600.00	90.00	91.20	7,470.00	2,845.18	7,015.84	7,461.14	0.00	0.00	0.00
19,700.00	90.00	91.20	7,470.00	2,843.09	7,115.82	7,558.37	0.00	0.00	0.00
19,800.00	90.00	91.20	7,470.00	2,841.01	7,215.80	7,655.61	0.00	0.00	0.00
19,900.00	90.00	91.20	7,470.00	2,838.92	7,315.78	7,752.84	0.00	0.00	0.00
20,000.00	90.00	91.20	7,470.00	2,836.83	7,415.76	7,850.08	0.00	0.00	0.00
20,100.00	90.00	91.20	7,470.00	2,834.75	7,515.73	7,947.31	0.00	0.00	0.00
20,200.00	90.00	91.20	7,470.00	2,832.66	7,615.71	8,044.55	0.00	0.00	0.00
20,300.00	90.00	91.20	7,470.00	2,830.57	7,715.69	8,141.78	0.00	0.00	0.00
20,400.00	90.00	91.20	7,470.00	2,828.48	7,815.67	8,239.02	0.00	0.00	0.00
20,500.00	90.00	91.20	7,470.00	2,826.40	7,915.65	8,336.25	0.00	0.00	0.00
20,600.00	90.00	91.20	7,470.00	2,824.31	8,015.62	8,433.48	0.00	0.00	0.00
20,700.00	90.00	91.20	7,470.00	2,822.22	8,115.60	8,530.72	0.00	0.00	0.00
20,800.00	90.00	91.20	7,470.00	2,820.14	8,215.58	8,627.95	0.00	0.00	0.00
20,900.00	90.00	91.20	7,470.00	2,818.05	8,315.56	8,725.19	0.00	0.00	0.00
21,000.00	90.00	91.20	7,470.00	2,815.96	8,415.54	8,822.42	0.00	0.00	0.00
21,100.00	90.00	91.20	7,470.00	2,813.87	8,515.52	8,919.66	0.00	0.00	0.00
21,200.00	90.00	91.20	7,470.00	2,811.79	8,615.49	9,016.89	0.00	0.00	0.00
21,300.00	90.00	91.20	7,470.00	2,809.70	8,715.47	9,114.12	0.00	0.00	0.00
21,400.00	90.00	91.20	7,470.00	2,807.61	8,815.45	9,211.36	0.00	0.00	0.00
21,500.00	90.00	91.20	7,470.00	2,805.52	8,915.43	9,308.59	0.00	0.00	0.00
21,600.00	90.00	91.20	7,470.00	2,803.44	9,015.41	9,405.83	0.00	0.00	0.00
21,700.00	90.00	91.20	7,470.00	2,801.35	9,115.38	9,503.06	0.00	0.00	0.00
21,800.00	90.00	91.20	7,470.00	2,799.26	9,215.36	9,600.30	0.00	0.00	0.00
21,900.00	90.00	91.20	7,470.00	2,797.18	9,315.34	9,697.53	0.00	0.00	0.00
22,000.00	90.00	91.20	7,470.00	2,795.09	9,415.32	9,794.77	0.00	0.00	0.00
22,100.00	90.00	91.20	7,470.00	2,793.00	9,515.30	9,892.00	0.00	0.00	0.00

# Civitas Resources

## Planning Report

<b>Database:</b>	EDM	<b>Local Co-ordinate Reference:</b>	Well TRANSPORT 3-64 34-35-36 2AH
<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>TVD Reference:</b>	kb 25' @ 5597.00usft
<b>Project:</b>	ADAMS COUNTY	<b>MD Reference:</b>	kb 25' @ 5597.00usft
<b>Site:</b>	SEC 34-T3S-R64W	<b>North Reference:</b>	True
<b>Well:</b>	TRANSPORT 3-64 34-35-36 2AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OWB		
<b>Design:</b>	PROPOSAL 1		

Planned 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)
22,200.00	90.00	91.20	7,470.00	2,790.91	9,615.28	9,989.23	0.00	0.00	0.00
22,300.00	90.00	91.20	7,470.00	2,788.83	9,715.25	10,086.47	0.00	0.00	0.00
22,400.00	90.00	91.20	7,470.00	2,786.74	9,815.23	10,183.70	0.00	0.00	0.00
22,500.00	90.00	91.20	7,470.00	2,784.65	9,915.21	10,280.94	0.00	0.00	0.00
22,600.00	90.00	91.20	7,470.00	2,782.56	10,015.19	10,378.17	0.00	0.00	0.00
22,700.00	90.00	91.20	7,470.00	2,780.48	10,115.17	10,475.41	0.00	0.00	0.00
22,800.00	90.00	91.20	7,470.00	2,778.39	10,215.15	10,572.64	0.00	0.00	0.00
22,900.00	90.00	91.20	7,470.00	2,776.30	10,315.12	10,669.88	0.00	0.00	0.00
23,000.00	90.00	91.20	7,470.00	2,774.22	10,415.10	10,767.11	0.00	0.00	0.00
23,100.00	90.00	91.20	7,470.00	2,772.13	10,515.08	10,864.34	0.00	0.00	0.00
23,200.00	90.00	91.20	7,470.00	2,770.04	10,615.06	10,961.58	0.00	0.00	0.00
23,300.00	90.00	91.20	7,470.00	2,767.95	10,715.04	11,058.81	0.00	0.00	0.00
23,400.00	90.00	91.20	7,470.00	2,765.87	10,815.01	11,156.05	0.00	0.00	0.00
23,500.00	90.00	91.20	7,470.00	2,763.78	10,914.99	11,253.28	0.00	0.00	0.00
23,600.00	90.00	91.20	7,470.00	2,761.69	11,014.97	11,350.52	0.00	0.00	0.00
23,700.00	90.00	91.20	7,470.00	2,759.61	11,114.95	11,447.75	0.00	0.00	0.00
23,800.00	90.00	91.20	7,470.00	2,757.52	11,214.93	11,544.99	0.00	0.00	0.00
23,900.00	90.00	91.20	7,470.00	2,755.43	11,314.91	11,642.22	0.00	0.00	0.00
24,000.00	90.00	91.20	7,470.00	2,753.34	11,414.88	11,739.45	0.00	0.00	0.00
24,100.00	90.00	91.20	7,470.00	2,751.26	11,514.86	11,836.69	0.00	0.00	0.00
24,200.00	90.00	91.20	7,470.00	2,749.17	11,614.84	11,933.92	0.00	0.00	0.00
24,300.00	90.00	91.20	7,470.00	2,747.08	11,714.82	12,031.16	0.00	0.00	0.00
24,400.00	90.00	91.20	7,470.00	2,744.99	11,814.80	12,128.39	0.00	0.00	0.00
24,500.00	90.00	91.20	7,470.00	2,742.91	11,914.77	12,225.63	0.00	0.00	0.00
24,600.00	90.00	91.20	7,470.00	2,740.82	12,014.75	12,322.86	0.00	0.00	0.00
24,700.00	90.00	91.20	7,470.00	2,738.73	12,114.73	12,420.09	0.00	0.00	0.00
24,800.00	90.00	91.20	7,470.00	2,736.65	12,214.71	12,517.33	0.00	0.00	0.00
24,900.00	90.00	91.20	7,470.00	2,734.56	12,314.69	12,614.56	0.00	0.00	0.00
25,000.00	90.00	91.20	7,470.00	2,732.47	12,414.67	12,711.80	0.00	0.00	0.00
25,096.91	90.00	91.20	7,470.00	2,730.45	12,511.56	12,806.03	0.00	0.00	0.00
<b>TD at 25096.91</b>									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
LP-TRANSPORT 3-64 2 - hit/miss target - Shape - Point	0.00	0.00	7,470.00	3,056.80	-3,120.89	1,152,796.70	3,268,450.95	39.748826°N	104.545270°W
PBHL-TRANSPORT 3-6 - plan hits target center - Point	0.00	0.00	7,470.00	2,730.45	12,511.56	1,152,640.62	3,284,085.96	39.747922°N	104.489676°W

# Civitas Resources

## Planning Report

<b>Database:</b>	EDM	<b>Local Co-ordinate Reference:</b>	Well TRANSPORT 3-64 34-35-36 2AH
<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>TVD Reference:</b>	kb 25' @ 5597.00usft
<b>Project:</b>	ADAMS COUNTY	<b>MD Reference:</b>	kb 25' @ 5597.00usft
<b>Site:</b>	SEC 34-T3S-R64W	<b>North Reference:</b>	True
<b>Well:</b>	TRANSPORT 3-64 34-35-36 2AH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OWB		
<b>Design:</b>	PROPOSAL 1		

Formations					
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
24.00	24.00	Denver			
731.63	730.00	Arapahoe			
1,604.63	1,560.00	Laramie-Fox Hills Formation			
1,914.05	1,830.00	Pierre Formation			
2,507.43	2,300.00	Upper Pierre aquifer			
3,357.85	2,950.00	Base of Upper Pierre aquifer			
4,590.31	3,892.00	Larimer ("Parkman") sandstone			
4,790.48	4,045.00	Pierre Formation			
6,157.70	5,090.00	Terry ("Sussex") sandstone			
6,373.58	5,255.00	Pierre Formation			
7,165.12	5,860.00	Hygiene ("Shannon") sandstone			
7,506.60	6,121.00	Pierre Formation			
8,996.74	7,310.00	Sharon Springs Member			
9,461.06	7,470.00	Niobrara Formation		0.00	

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
300.00	300.00	0.00	0.00	Start Build 2.00	
2,307.64	2,147.30	402.33	-542.19	Start 5936.24 hold at 2307.64 MD	
8,243.88	6,684.52	2,683.37	-3,616.17	Start DLS 10.00 TFO 137.10	
9,461.06	7,470.00	3,056.80	-3,120.89	Start 15635.85 hold at 9461.06 MD	
25,096.91	7,470.00	2,730.45	12,511.56	TD at 25096.91	