

CRESTONE PEAK RESOURCES

ADAMS COUNTY

SEC 34-T3S-R64W

TRANSPORT 3-64 34-35-36 1AH

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 1AH
 Wellbore: OWB
 Design: PROPOSAL 1



Azimuths to True North
 Magnetic North: 7.31°

Magnetic Field
 Strength: 51264.8nT
 Dip Angle: 66.02°
 Date: 11/14/2024
 Model: IGRF2020

WELL DETAILS: TRANSPORT 3-64 34-35-36 1AH

				5574.00					
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude				Slot
0.00	0.00	1149713.97	3271605.03	39.740270°N	104.534173°W				

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	100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	
3	2311.30	44.23	317.41	2098.16	597.77	-549.41	2.00	317.41	-336.27	
4	8837.76	44.23	317.41	6774.98	3949.36	-3629.82	0.00	0.00	-2221.67	
5	10026.31	90.00	91.20	7470.00	4427.19	-3117.91	10.00	124.48	-1586.56	LP-TRANSPORT 3-64 1AH
6	25679.06	90.00	91.20	7470.00	4100.48	12531.42	0.00	0.00	13185.24	PBHL-TRANSPORT 3-64 1AH

ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	VSec	Departure	Annotation
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	Start Build 2.00
2311.30	44.23	317.41	2098.16	597.77	-549.41	-336.27	811.90	Start 6526.46 hold at 2311.30 MD
8837.76	44.23	317.41	6774.98	3949.36	-3629.81	-2221.67	5364.04	Start DLS 10.00 TFO 124.48
10026.31	90.00	91.20	7470.00	4427.19	-3117.91	-1586.56	6264.68	Start 15652.75 hold at 10026.31 MD
25679.06	90.00	91.20	7470.00	4100.48	12531.42	13185.24	21917.43	TD at 25679.06

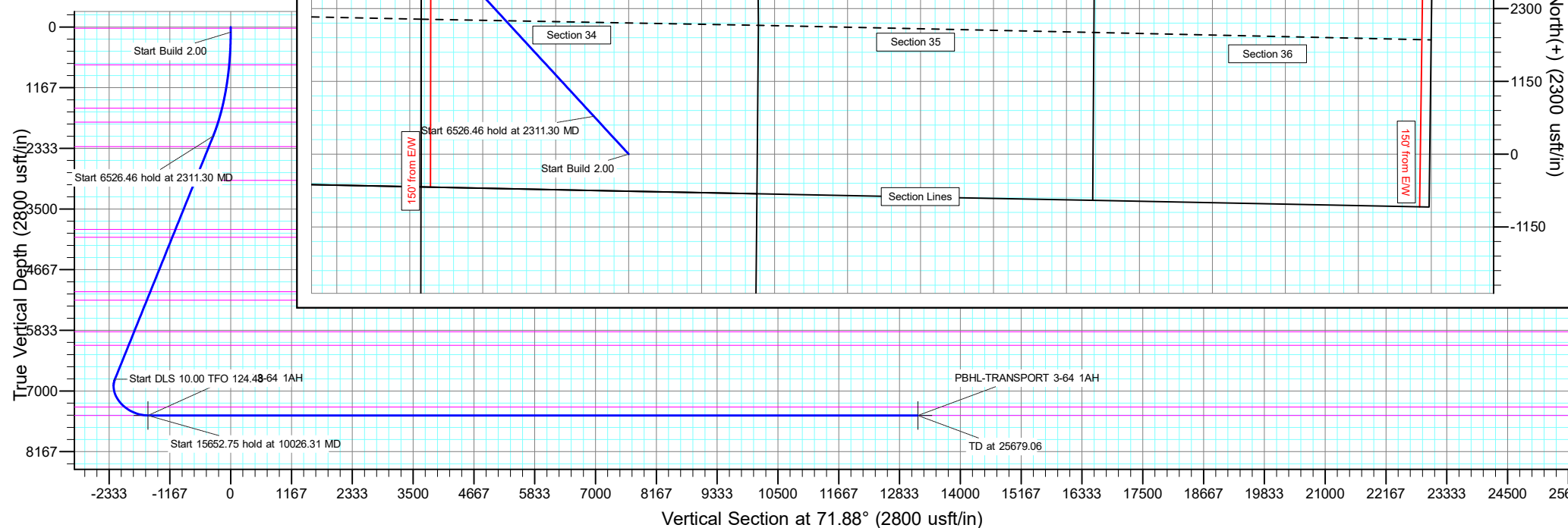
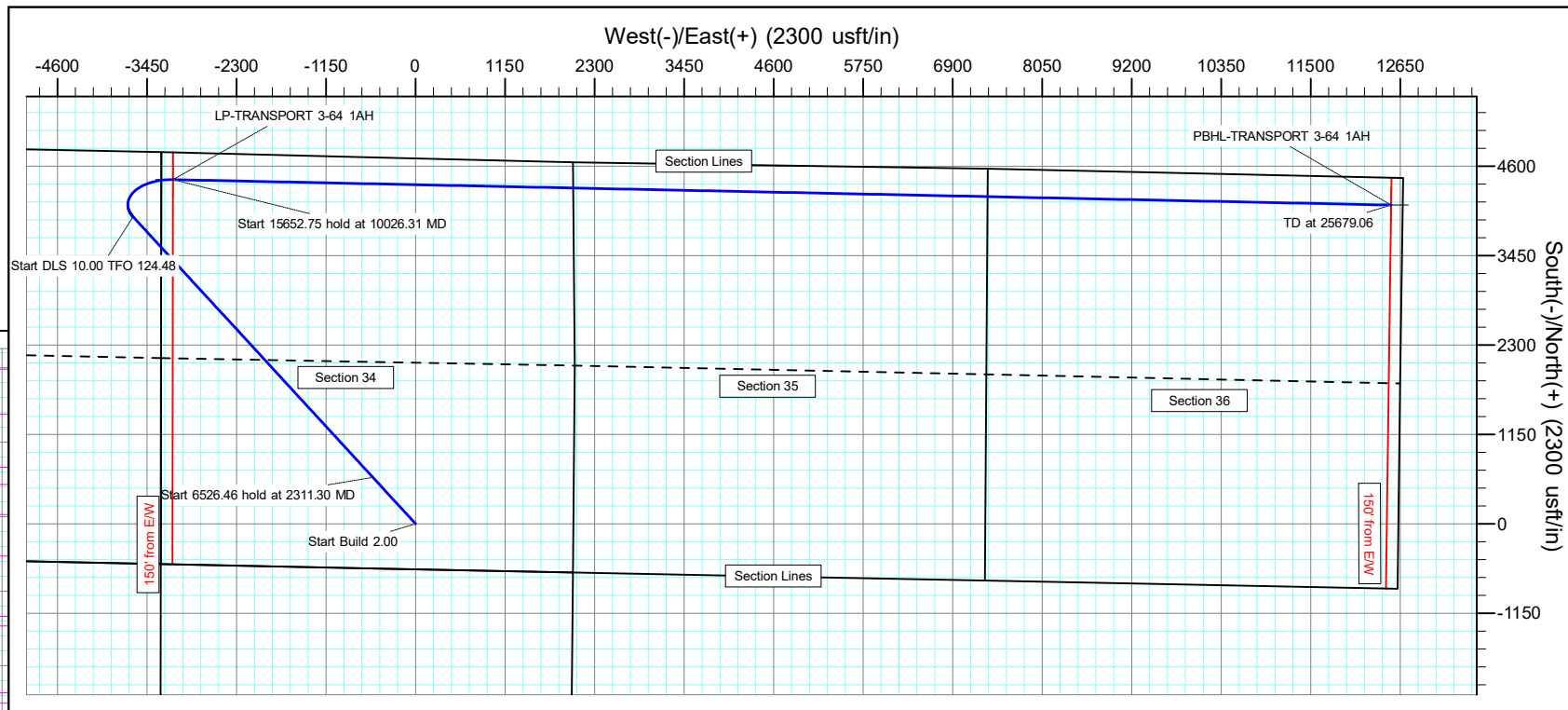
DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
LP-TRANSPORT 3-64 1AH - plan hits target center	7470.00	4427.19	-3117.91	1154106.92	3268439.09	39.752423°N	104.545262°W	Point
PBHL-TRANSPORT 3-64 1AH - plan hits target center	7470.00	4100.48	12531.42	1153950.68	3284091.00	39.751518°N	104.489605°W	Point

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

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

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



Civitas Resources

Planning Report

Database:	EDM	Local Co-ordinate Reference:	Well TRANSPORT 3-64 34-35-36 1AH
Company:	CRESTONE PEAK RESOURCES	TVD Reference:	KBE 25' @ 5599.00usft
Project:	ADAMS COUNTY	MD Reference:	KBE 25' @ 5599.00usft
Site:	SEC 34-T3S-R64W	North Reference:	True
Well:	TRANSPORT 3-64 34-35-36 1AH	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PROPOSAL 1		

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

Well	TRANSPORT 3-64 34-35-36 1AH					
Well Position	+N/-S	626.60 usft	Northing:	1,149,713.97 usft	Latitude:	39.740270°N
	+E/-W	-2,020.30 usft	Easting:	3,271,605.03 usft	Longitude:	104.534173°W
Position Uncertainty		0.00 usft	Wellhead Elevation:		Ground Level:	5,574.00 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	11/14/2024	7.31	66.02	51,264.80918652

Design	PROPOSAL 1				
Audit Notes:					
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.00	
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	71.88	

Plan Survey Tool Program	Date	1/5/2026			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.00	25,679.06	PROPOSAL 1 (OWB)	MWD OWSG	
				OWSG MWD - Standard	

Plan Sections										
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	
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,311.30	44.23	317.41	2,098.16	597.77	-549.41	2.00	2.00	0.00	317.41	
8,837.76	44.23	317.41	6,774.98	3,949.36	-3,629.82	0.00	0.00	0.00	0.00	
10,026.31	90.00	91.20	7,470.00	4,427.19	-3,117.91	10.00	3.85	11.26	124.48	LP-TRANSPORT 3-64
25,679.06	90.00	91.20	7,470.00	4,100.48	12,531.42	0.00	0.00	0.00	0.00	PBHL-TRANSPORT 3-64

Civitas Resources

Planning Report

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Project:	ADAMS COUNTY	MD Reference:	KBE 25' @ 5599.00usft
Site:	SEC 34-T3S-R64W	North Reference:	True
Well:	TRANSPORT 3-64 34-35-36 1AH	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	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
Denver										
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 2.00										
200.00	2.00	317.41	199.98	1.28	-1.18	-0.72	2.00	2.00	0.00	0.00
300.00	4.00	317.41	299.84	5.14	-4.72	-2.89	2.00	2.00	0.00	0.00
400.00	6.00	317.41	399.45	11.55	-10.62	-6.50	2.00	2.00	0.00	0.00
500.00	8.00	317.41	498.70	20.53	-18.87	-11.55	2.00	2.00	0.00	0.00
600.00	10.00	317.41	597.47	32.04	-29.45	-18.03	2.00	2.00	0.00	0.00
700.00	12.00	317.41	695.62	46.09	-42.36	-25.93	2.00	2.00	0.00	0.00
735.19	12.70	317.41	730.00	51.63	-47.46	-29.05	2.00	2.00	0.00	0.00
Arapahoe										
800.00	14.00	317.41	793.06	62.65	-57.58	-35.25	2.00	2.00	0.00	0.00
900.00	16.00	317.41	889.64	81.71	-75.10	-45.96	2.00	2.00	0.00	0.00
1,000.00	18.00	317.41	985.27	103.23	-94.88	-58.07	2.00	2.00	0.00	0.00
1,100.00	20.00	317.41	1,079.82	127.20	-116.91	-71.56	2.00	2.00	0.00	0.00
1,200.00	22.00	317.41	1,173.17	153.59	-141.16	-86.40	2.00	2.00	0.00	0.00
1,300.00	24.00	317.41	1,265.21	182.35	-167.60	-102.58	2.00	2.00	0.00	0.00
1,400.00	26.00	317.41	1,355.84	213.47	-196.20	-120.08	2.00	2.00	0.00	0.00
1,500.00	28.00	317.41	1,444.94	246.89	-226.92	-138.89	2.00	2.00	0.00	0.00
1,600.00	30.00	317.41	1,532.39	282.59	-259.72	-158.97	2.00	2.00	0.00	0.00
1,631.98	30.64	317.41	1,560.00	294.47	-270.65	-165.65	2.00	2.00	0.00	0.00
Laramie-Fox Hills Formation										
1,700.00	32.00	317.41	1,618.11	320.50	-294.57	-180.30	2.00	2.00	0.00	0.00
1,800.00	34.00	317.41	1,701.97	360.60	-331.43	-202.85	2.00	2.00	0.00	0.00
1,900.00	36.00	317.41	1,783.88	402.83	-370.24	-226.61	2.00	2.00	0.00	0.00
1,957.43	37.15	317.41	1,830.00	428.02	-393.39	-240.78	2.00	2.00	0.00	0.00
Pierre Formation										
2,000.00	38.00	317.41	1,863.74	447.14	-410.96	-251.53	2.00	2.00	0.00	0.00
2,100.00	40.00	317.41	1,941.45	493.47	-453.54	-277.60	2.00	2.00	0.00	0.00
2,200.00	42.00	317.41	2,016.92	541.77	-497.94	-304.77	2.00	2.00	0.00	0.00
2,300.00	44.00	317.41	2,090.05	591.98	-544.08	-333.01	2.00	2.00	0.00	0.00
2,311.30	44.23	317.41	2,098.16	597.77	-549.41	-336.27	2.00	2.00	0.00	0.00
Start 6526.46 hold at 2311.30 MD										
2,400.00	44.23	317.41	2,161.72	643.32	-591.27	-361.90	0.00	0.00	0.00	0.00
2,500.00	44.23	317.41	2,233.38	694.68	-638.47	-390.78	0.00	0.00	0.00	0.00
2,592.96	44.23	317.41	2,300.00	742.42	-682.35	-417.64	0.00	0.00	0.00	0.00
Upper Pierre aquifer										
2,600.00	44.23	317.41	2,305.04	746.03	-685.67	-419.67	0.00	0.00	0.00	0.00
2,700.00	44.23	317.41	2,376.70	797.38	-732.87	-448.56	0.00	0.00	0.00	0.00
2,800.00	44.23	317.41	2,448.36	848.74	-780.07	-477.45	0.00	0.00	0.00	0.00
2,900.00	44.23	317.41	2,520.02	900.09	-827.27	-506.34	0.00	0.00	0.00	0.00
3,000.00	44.23	317.41	2,591.68	951.45	-874.47	-535.23	0.00	0.00	0.00	0.00
3,100.00	44.23	317.41	2,663.34	1,002.80	-921.66	-564.12	0.00	0.00	0.00	0.00
3,200.00	44.23	317.41	2,735.00	1,054.15	-968.86	-593.00	0.00	0.00	0.00	0.00
3,300.00	44.23	317.41	2,806.66	1,105.51	-1,016.06	-621.89	0.00	0.00	0.00	0.00
3,400.00	44.23	317.41	2,878.32	1,156.86	-1,063.26	-650.78	0.00	0.00	0.00	0.00
3,500.00	44.23	317.41	2,949.98	1,208.22	-1,110.46	-679.67	0.00	0.00	0.00	0.00
3,500.03	44.23	317.41	2,950.00	1,208.23	-1,110.47	-679.68	0.00	0.00	0.00	0.00
Base of Upper Pierre aquifer										
3,600.00	44.23	317.41	3,021.64	1,259.57	-1,157.66	-708.56	0.00	0.00	0.00	0.00
3,700.00	44.23	317.41	3,093.30	1,310.92	-1,204.86	-737.45	0.00	0.00	0.00	0.00

Civitas Resources

Planning Report

Database:	EDM	Local Co-ordinate Reference:	Well TRANSPORT 3-64 34-35-36 1AH
Company:	CRESTONE PEAK RESOURCES	TVD Reference:	KBE 25' @ 5599.00usft
Project:	ADAMS COUNTY	MD Reference:	KBE 25' @ 5599.00usft
Site:	SEC 34-T3S-R64W	North Reference:	True
Well:	TRANSPORT 3-64 34-35-36 1AH	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	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)	
3,800.00	44.23	317.41	3,164.96	1,362.28	-1,252.06	-766.34	0.00	0.00	0.00	
3,900.00	44.23	317.41	3,236.61	1,413.63	-1,299.25	-795.22	0.00	0.00	0.00	
4,000.00	44.23	317.41	3,308.27	1,464.98	-1,346.45	-824.11	0.00	0.00	0.00	
4,100.00	44.23	317.41	3,379.93	1,516.34	-1,393.65	-853.00	0.00	0.00	0.00	
4,200.00	44.23	317.41	3,451.59	1,567.69	-1,440.85	-881.89	0.00	0.00	0.00	
4,300.00	44.23	317.41	3,523.25	1,619.05	-1,488.05	-910.78	0.00	0.00	0.00	
4,400.00	44.23	317.41	3,594.91	1,670.40	-1,535.25	-939.67	0.00	0.00	0.00	
4,500.00	44.23	317.41	3,666.57	1,721.75	-1,582.45	-968.56	0.00	0.00	0.00	
4,600.00	44.23	317.41	3,738.23	1,773.11	-1,629.65	-997.45	0.00	0.00	0.00	
4,700.00	44.23	317.41	3,809.89	1,824.46	-1,676.84	-1,026.33	0.00	0.00	0.00	
4,800.00	44.23	317.41	3,881.55	1,875.81	-1,724.04	-1,055.22	0.00	0.00	0.00	
4,814.58	44.23	317.41	3,892.00	1,883.30	-1,730.93	-1,059.44	0.00	0.00	0.00	
Larimer ("Parkman") sandstone										
4,900.00	44.23	317.41	3,953.21	1,927.17	-1,771.24	-1,084.11	0.00	0.00	0.00	
5,000.00	44.23	317.41	4,024.87	1,978.52	-1,818.44	-1,113.00	0.00	0.00	0.00	
5,028.09	44.23	317.41	4,045.00	1,992.95	-1,831.70	-1,121.12	0.00	0.00	0.00	
Pierre Formation										
5,100.00	44.23	317.41	4,096.53	2,029.88	-1,865.64	-1,141.89	0.00	0.00	0.00	
5,200.00	44.23	317.41	4,168.19	2,081.23	-1,912.84	-1,170.78	0.00	0.00	0.00	
5,300.00	44.23	317.41	4,239.85	2,132.58	-1,960.04	-1,199.67	0.00	0.00	0.00	
5,400.00	44.23	317.41	4,311.51	2,183.94	-2,007.24	-1,228.55	0.00	0.00	0.00	
5,500.00	44.23	317.41	4,383.16	2,235.29	-2,054.43	-1,257.44	0.00	0.00	0.00	
5,600.00	44.23	317.41	4,454.82	2,286.64	-2,101.63	-1,286.33	0.00	0.00	0.00	
5,700.00	44.23	317.41	4,526.48	2,338.00	-2,148.83	-1,315.22	0.00	0.00	0.00	
5,800.00	44.23	317.41	4,598.14	2,389.35	-2,196.03	-1,344.11	0.00	0.00	0.00	
5,900.00	44.23	317.41	4,669.80	2,440.71	-2,243.23	-1,373.00	0.00	0.00	0.00	
6,000.00	44.23	317.41	4,741.46	2,492.06	-2,290.43	-1,401.89	0.00	0.00	0.00	
6,100.00	44.23	317.41	4,813.12	2,543.41	-2,337.63	-1,430.77	0.00	0.00	0.00	
6,200.00	44.23	317.41	4,884.78	2,594.77	-2,384.83	-1,459.66	0.00	0.00	0.00	
6,300.00	44.23	317.41	4,956.44	2,646.12	-2,432.02	-1,488.55	0.00	0.00	0.00	
6,400.00	44.23	317.41	5,028.10	2,697.47	-2,479.22	-1,517.44	0.00	0.00	0.00	
6,486.38	44.23	317.41	5,090.00	2,741.84	-2,519.99	-1,542.39	0.00	0.00	0.00	
Terry ("Sussex") sandstone										
6,500.00	44.23	317.41	5,099.76	2,748.83	-2,526.42	-1,546.33	0.00	0.00	0.00	
6,600.00	44.23	317.41	5,171.42	2,800.18	-2,573.62	-1,575.22	0.00	0.00	0.00	
6,700.00	44.23	317.41	5,243.08	2,851.54	-2,620.82	-1,604.11	0.00	0.00	0.00	
6,716.64	44.23	317.41	5,255.00	2,860.08	-2,628.67	-1,608.91	0.00	0.00	0.00	
Pierre Formation										
6,800.00	44.23	317.41	5,314.74	2,902.89	-2,668.02	-1,632.99	0.00	0.00	0.00	
6,900.00	44.23	317.41	5,386.40	2,954.24	-2,715.22	-1,661.88	0.00	0.00	0.00	
7,000.00	44.23	317.41	5,458.06	3,005.60	-2,762.42	-1,690.77	0.00	0.00	0.00	
7,100.00	44.23	317.41	5,529.71	3,056.95	-2,809.61	-1,719.66	0.00	0.00	0.00	
7,200.00	44.23	317.41	5,601.37	3,108.30	-2,856.81	-1,748.55	0.00	0.00	0.00	
7,300.00	44.23	317.41	5,673.03	3,159.66	-2,904.01	-1,777.44	0.00	0.00	0.00	
7,400.00	44.23	317.41	5,744.69	3,211.01	-2,951.21	-1,806.33	0.00	0.00	0.00	
7,500.00	44.23	317.41	5,816.35	3,262.37	-2,998.41	-1,835.21	0.00	0.00	0.00	
7,560.91	44.23	317.41	5,860.00	3,293.65	-3,027.16	-1,852.81	0.00	0.00	0.00	
Hygiene ("Shannon") sandstone										
7,600.00	44.23	317.41	5,888.01	3,313.72	-3,045.61	-1,864.10	0.00	0.00	0.00	
7,700.00	44.23	317.41	5,959.67	3,365.07	-3,092.81	-1,892.99	0.00	0.00	0.00	
7,800.00	44.23	317.41	6,031.33	3,416.43	-3,140.01	-1,921.88	0.00	0.00	0.00	
7,900.00	44.23	317.41	6,102.99	3,467.78	-3,187.20	-1,950.77	0.00	0.00	0.00	
7,925.13	44.23	317.41	6,121.00	3,480.69	-3,199.07	-1,958.03	0.00	0.00	0.00	

Civitas Resources

Planning Report

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Company:	CRESTONE PEAK RESOURCES	TVD Reference:	KBE 25' @ 5599.00usft
Project:	ADAMS COUNTY	MD Reference:	KBE 25' @ 5599.00usft
Site:	SEC 34-T3S-R64W	North Reference:	True
Well:	TRANSPORT 3-64 34-35-36 1AH	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	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)	
Pierre Formation										
8,000.00	44.23	317.41	6,174.65	3,519.13	-3,234.40	-1,979.66	0.00	0.00	0.00	
8,100.00	44.23	317.41	6,246.31	3,570.49	-3,281.60	-2,008.55	0.00	0.00	0.00	
8,200.00	44.23	317.41	6,317.97	3,621.84	-3,328.80	-2,037.43	0.00	0.00	0.00	
8,300.00	44.23	317.41	6,389.63	3,673.20	-3,376.00	-2,066.32	0.00	0.00	0.00	
8,400.00	44.23	317.41	6,461.29	3,724.55	-3,423.20	-2,095.21	0.00	0.00	0.00	
8,500.00	44.23	317.41	6,532.95	3,775.90	-3,470.40	-2,124.10	0.00	0.00	0.00	
8,600.00	44.23	317.41	6,604.61	3,827.26	-3,517.60	-2,152.99	0.00	0.00	0.00	
8,700.00	44.23	317.41	6,676.26	3,878.61	-3,564.79	-2,181.88	0.00	0.00	0.00	
8,800.00	44.23	317.41	6,747.92	3,929.97	-3,611.99	-2,210.77	0.00	0.00	0.00	
8,837.76	44.23	317.41	6,774.98	3,949.36	-3,629.81	-2,221.67	0.00	0.00	0.00	
Start DLS 10.00 TFO 124.48										
8,850.00	43.54	318.88	6,783.80	3,955.68	-3,635.48	-2,225.09	10.00	-5.58	11.96	
8,900.00	40.96	325.25	6,820.83	3,982.13	-3,656.16	-2,236.52	10.00	-5.17	12.74	
8,950.00	38.76	332.26	6,859.23	4,009.47	-3,672.79	-2,243.83	10.00	-4.39	14.03	
9,000.00	37.02	339.90	6,898.71	4,037.48	-3,685.26	-2,246.97	10.00	-3.48	15.28	
9,050.00	35.81	348.08	6,938.96	4,065.94	-3,693.46	-2,245.91	10.00	-2.42	16.35	
9,100.00	35.18	356.63	6,979.70	4,094.66	-3,697.33	-2,240.66	10.00	-1.26	17.10	
9,150.00	35.17	5.31	7,020.59	4,123.39	-3,696.85	-2,231.26	10.00	-0.03	17.37	
9,200.00	35.76	13.87	7,061.34	4,151.93	-3,692.01	-2,217.79	10.00	1.20	17.12	
9,250.00	36.95	22.07	7,101.63	4,180.06	-3,682.85	-2,200.34	10.00	2.36	16.40	
9,300.00	38.66	29.74	7,141.16	4,207.56	-3,669.45	-2,179.05	10.00	3.42	15.34	
9,350.00	40.83	36.79	7,179.62	4,234.23	-3,651.90	-2,154.08	10.00	4.35	14.09	
9,400.00	43.40	43.19	7,216.72	4,259.86	-3,630.34	-2,125.61	10.00	5.13	12.81	
9,450.00	46.29	48.98	7,252.19	4,284.26	-3,604.93	-2,093.88	10.00	5.78	11.58	
9,500.00	49.44	54.22	7,285.74	4,307.23	-3,575.87	-2,059.11	10.00	6.31	10.47	
9,538.31	52.00	57.90	7,310.00	4,323.77	-3,551.27	-2,030.59	10.00	6.69	9.60	
Sharon Springs Member										
9,550.00	52.81	58.97	7,317.13	4,328.62	-3,543.38	-2,021.58	10.00	6.88	9.16	
9,600.00	56.35	63.30	7,346.11	4,348.25	-3,507.70	-1,981.57	10.00	7.08	8.67	
9,650.00	60.03	67.29	7,372.47	4,365.97	-3,469.10	-1,939.37	10.00	7.36	7.97	
9,700.00	63.82	70.98	7,396.01	4,381.65	-3,427.89	-1,895.33	10.00	7.58	7.39	
9,750.00	67.70	74.45	7,416.54	4,395.17	-3,384.37	-1,849.76	10.00	7.76	6.92	
9,800.00	71.65	77.72	7,433.90	4,406.43	-3,338.87	-1,803.01	10.00	7.90	6.54	
9,850.00	75.65	80.84	7,447.98	4,415.34	-3,291.74	-1,755.45	10.00	8.00	6.25	
9,900.00	79.69	83.85	7,458.65	4,421.83	-3,243.34	-1,707.44	10.00	8.08	6.03	
9,950.00	83.76	86.79	7,465.85	4,425.86	-3,194.05	-1,659.33	10.00	8.14	5.87	
10,000.00	87.85	89.68	7,469.51	4,427.39	-3,144.22	-1,611.50	10.00	8.17	5.78	
10,026.22	89.99	91.19	7,470.00	4,427.19	-3,118.00	-1,586.64	10.00	8.18	5.75	
Niobrara Formation										
10,026.31	90.00	91.20	7,470.00	4,427.19	-3,117.91	-1,586.56	10.00	8.18	5.75	
Start 15652.75 hold at 10026.31 MD										
10,100.00	90.00	91.20	7,470.00	4,425.65	-3,044.24	-1,517.02	0.00	0.00	0.00	
10,200.00	90.00	91.20	7,470.00	4,423.56	-2,944.26	-1,422.65	0.00	0.00	0.00	
10,300.00	90.00	91.20	7,470.00	4,421.48	-2,844.29	-1,328.28	0.00	0.00	0.00	
10,400.00	90.00	91.20	7,470.00	4,419.39	-2,744.31	-1,233.90	0.00	0.00	0.00	
10,500.00	90.00	91.20	7,470.00	4,417.30	-2,644.33	-1,139.53	0.00	0.00	0.00	
10,600.00	90.00	91.20	7,470.00	4,415.21	-2,544.35	-1,045.16	0.00	0.00	0.00	
10,700.00	90.00	91.20	7,470.00	4,413.13	-2,444.37	-950.79	0.00	0.00	0.00	
10,800.00	90.00	91.20	7,470.00	4,411.04	-2,344.39	-856.42	0.00	0.00	0.00	
10,900.00	90.00	91.20	7,470.00	4,408.95	-2,244.42	-762.04	0.00	0.00	0.00	
11,000.00	90.00	91.20	7,470.00	4,406.86	-2,144.44	-667.67	0.00	0.00	0.00	
11,100.00	90.00	91.20	7,470.00	4,404.78	-2,044.46	-573.30	0.00	0.00	0.00	

Civitas Resources

Planning Report

Database:	EDM	Local Co-ordinate Reference:	Well TRANSPORT 3-64 34-35-36 1AH
Company:	CRESTONE PEAK RESOURCES	TVD Reference:	KBE 25' @ 5599.00usft
Project:	ADAMS COUNTY	MD Reference:	KBE 25' @ 5599.00usft
Site:	SEC 34-T3S-R64W	North Reference:	True
Well:	TRANSPORT 3-64 34-35-36 1AH	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	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)	
11,200.00	90.00	91.20	7,470.00	4,402.69	-1,944.48	-478.93	0.00	0.00	0.00	
11,300.00	90.00	91.20	7,470.00	4,400.60	-1,844.50	-384.56	0.00	0.00	0.00	
11,400.00	90.00	91.20	7,470.00	4,398.52	-1,744.53	-290.18	0.00	0.00	0.00	
11,500.00	90.00	91.20	7,470.00	4,396.43	-1,644.55	-195.81	0.00	0.00	0.00	
11,600.00	90.00	91.20	7,470.00	4,394.34	-1,544.57	-101.44	0.00	0.00	0.00	
11,700.00	90.00	91.20	7,470.00	4,392.25	-1,444.59	-7.07	0.00	0.00	0.00	
11,800.00	90.00	91.20	7,470.00	4,390.17	-1,344.61	87.30	0.00	0.00	0.00	
11,900.00	90.00	91.20	7,470.00	4,388.08	-1,244.63	181.68	0.00	0.00	0.00	
12,000.00	90.00	91.20	7,470.00	4,385.99	-1,144.66	276.05	0.00	0.00	0.00	
12,100.00	90.00	91.20	7,470.00	4,383.90	-1,044.68	370.42	0.00	0.00	0.00	
12,200.00	90.00	91.20	7,470.00	4,381.82	-944.70	464.79	0.00	0.00	0.00	
12,300.00	90.00	91.20	7,470.00	4,379.73	-844.72	559.16	0.00	0.00	0.00	
12,400.00	90.00	91.20	7,470.00	4,377.64	-744.74	653.53	0.00	0.00	0.00	
12,500.00	90.00	91.20	7,470.00	4,375.56	-644.76	747.91	0.00	0.00	0.00	
12,600.00	90.00	91.20	7,470.00	4,373.47	-544.79	842.28	0.00	0.00	0.00	
12,700.00	90.00	91.20	7,470.00	4,371.38	-444.81	936.65	0.00	0.00	0.00	
12,800.00	90.00	91.20	7,470.00	4,369.29	-344.83	1,031.02	0.00	0.00	0.00	
12,900.00	90.00	91.20	7,470.00	4,367.21	-244.85	1,125.39	0.00	0.00	0.00	
13,000.00	90.00	91.20	7,470.00	4,365.12	-144.87	1,219.77	0.00	0.00	0.00	
13,100.00	90.00	91.20	7,470.00	4,363.03	-44.90	1,314.14	0.00	0.00	0.00	
13,200.00	90.00	91.20	7,470.00	4,360.94	55.08	1,408.51	0.00	0.00	0.00	
13,300.00	90.00	91.20	7,470.00	4,358.86	155.06	1,502.88	0.00	0.00	0.00	
13,400.00	90.00	91.20	7,470.00	4,356.77	255.04	1,597.25	0.00	0.00	0.00	
13,500.00	90.00	91.20	7,470.00	4,354.68	355.02	1,691.63	0.00	0.00	0.00	
13,600.00	90.00	91.20	7,470.00	4,352.60	455.00	1,786.00	0.00	0.00	0.00	
13,700.00	90.00	91.20	7,470.00	4,350.51	554.97	1,880.37	0.00	0.00	0.00	
13,800.00	90.00	91.20	7,470.00	4,348.42	654.95	1,974.74	0.00	0.00	0.00	
13,900.00	90.00	91.20	7,470.00	4,346.33	754.93	2,069.11	0.00	0.00	0.00	
14,000.00	90.00	91.20	7,470.00	4,344.25	854.91	2,163.49	0.00	0.00	0.00	
14,100.00	90.00	91.20	7,470.00	4,342.16	954.89	2,257.86	0.00	0.00	0.00	
14,200.00	90.00	91.20	7,470.00	4,340.07	1,054.86	2,352.23	0.00	0.00	0.00	
14,300.00	90.00	91.20	7,470.00	4,337.99	1,154.84	2,446.60	0.00	0.00	0.00	
14,400.00	90.00	91.20	7,470.00	4,335.90	1,254.82	2,540.97	0.00	0.00	0.00	
14,500.00	90.00	91.20	7,470.00	4,333.81	1,354.80	2,635.35	0.00	0.00	0.00	
14,600.00	90.00	91.20	7,470.00	4,331.72	1,454.78	2,729.72	0.00	0.00	0.00	
14,700.00	90.00	91.20	7,470.00	4,329.64	1,554.76	2,824.09	0.00	0.00	0.00	
14,800.00	90.00	91.20	7,470.00	4,327.55	1,654.73	2,918.46	0.00	0.00	0.00	
14,900.00	90.00	91.20	7,470.00	4,325.46	1,754.71	3,012.83	0.00	0.00	0.00	
15,000.00	90.00	91.20	7,470.00	4,323.37	1,854.69	3,107.20	0.00	0.00	0.00	
15,100.00	90.00	91.20	7,470.00	4,321.29	1,954.67	3,201.58	0.00	0.00	0.00	
15,200.00	90.00	91.20	7,470.00	4,319.20	2,054.65	3,295.95	0.00	0.00	0.00	
15,300.00	90.00	91.20	7,470.00	4,317.11	2,154.63	3,390.32	0.00	0.00	0.00	
15,400.00	90.00	91.20	7,470.00	4,315.03	2,254.60	3,484.69	0.00	0.00	0.00	
15,500.00	90.00	91.20	7,470.00	4,312.94	2,354.58	3,579.06	0.00	0.00	0.00	
15,600.00	90.00	91.20	7,470.00	4,310.85	2,454.56	3,673.44	0.00	0.00	0.00	
15,700.00	90.00	91.20	7,470.00	4,308.76	2,554.54	3,767.81	0.00	0.00	0.00	
15,800.00	90.00	91.20	7,470.00	4,306.68	2,654.52	3,862.18	0.00	0.00	0.00	
15,900.00	90.00	91.20	7,470.00	4,304.59	2,754.49	3,956.55	0.00	0.00	0.00	
16,000.00	90.00	91.20	7,470.00	4,302.50	2,854.47	4,050.92	0.00	0.00	0.00	
16,100.00	90.00	91.20	7,470.00	4,300.41	2,954.45	4,145.30	0.00	0.00	0.00	
16,200.00	90.00	91.20	7,470.00	4,298.33	3,054.43	4,239.67	0.00	0.00	0.00	
16,300.00	90.00	91.20	7,470.00	4,296.24	3,154.41	4,334.04	0.00	0.00	0.00	
16,400.00	90.00	91.20	7,470.00	4,294.15	3,254.39	4,428.41	0.00	0.00	0.00	
16,500.00	90.00	91.20	7,470.00	4,292.07	3,354.36	4,522.78	0.00	0.00	0.00	

Civitas Resources

Planning Report

Database:	EDM	Local Co-ordinate Reference:	Well TRANSPORT 3-64 34-35-36 1AH
Company:	CRESTONE PEAK RESOURCES	TVD Reference:	KBE 25' @ 5599.00usft
Project:	ADAMS COUNTY	MD Reference:	KBE 25' @ 5599.00usft
Site:	SEC 34-T3S-R64W	North Reference:	True
Well:	TRANSPORT 3-64 34-35-36 1AH	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	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)
16,600.00	90.00	91.20	7,470.00	4,289.98	3,454.34	4,617.16	0.00	0.00	0.00
16,700.00	90.00	91.20	7,470.00	4,287.89	3,554.32	4,711.53	0.00	0.00	0.00
16,800.00	90.00	91.20	7,470.00	4,285.80	3,654.30	4,805.90	0.00	0.00	0.00
16,900.00	90.00	91.20	7,470.00	4,283.72	3,754.28	4,900.27	0.00	0.00	0.00
17,000.00	90.00	91.20	7,470.00	4,281.63	3,854.25	4,994.64	0.00	0.00	0.00
17,100.00	90.00	91.20	7,470.00	4,279.54	3,954.23	5,089.01	0.00	0.00	0.00
17,200.00	90.00	91.20	7,470.00	4,277.45	4,054.21	5,183.39	0.00	0.00	0.00
17,300.00	90.00	91.20	7,470.00	4,275.37	4,154.19	5,277.76	0.00	0.00	0.00
17,400.00	90.00	91.20	7,470.00	4,273.28	4,254.17	5,372.13	0.00	0.00	0.00
17,500.00	90.00	91.20	7,470.00	4,271.19	4,354.15	5,466.50	0.00	0.00	0.00
17,600.00	90.00	91.20	7,470.00	4,269.11	4,454.12	5,560.87	0.00	0.00	0.00
17,700.00	90.00	91.20	7,470.00	4,267.02	4,554.10	5,655.25	0.00	0.00	0.00
17,800.00	90.00	91.20	7,470.00	4,264.93	4,654.08	5,749.62	0.00	0.00	0.00
17,900.00	90.00	91.20	7,470.00	4,262.84	4,754.06	5,843.99	0.00	0.00	0.00
18,000.00	90.00	91.20	7,470.00	4,260.76	4,854.04	5,938.36	0.00	0.00	0.00
18,100.00	90.00	91.20	7,470.00	4,258.67	4,954.02	6,032.73	0.00	0.00	0.00
18,200.00	90.00	91.20	7,470.00	4,256.58	5,053.99	6,127.11	0.00	0.00	0.00
18,300.00	90.00	91.20	7,470.00	4,254.50	5,153.97	6,221.48	0.00	0.00	0.00
18,400.00	90.00	91.20	7,470.00	4,252.41	5,253.95	6,315.85	0.00	0.00	0.00
18,500.00	90.00	91.20	7,470.00	4,250.32	5,353.93	6,410.22	0.00	0.00	0.00
18,600.00	90.00	91.20	7,470.00	4,248.23	5,453.91	6,504.59	0.00	0.00	0.00
18,700.00	90.00	91.20	7,470.00	4,246.15	5,553.88	6,598.97	0.00	0.00	0.00
18,800.00	90.00	91.20	7,470.00	4,244.06	5,653.86	6,693.34	0.00	0.00	0.00
18,900.00	90.00	91.20	7,470.00	4,241.97	5,753.84	6,787.71	0.00	0.00	0.00
19,000.00	90.00	91.20	7,470.00	4,239.88	5,853.82	6,882.08	0.00	0.00	0.00
19,100.00	90.00	91.20	7,470.00	4,237.80	5,953.80	6,976.45	0.00	0.00	0.00
19,200.00	90.00	91.20	7,470.00	4,235.71	6,053.78	7,070.82	0.00	0.00	0.00
19,300.00	90.00	91.20	7,470.00	4,233.62	6,153.75	7,165.20	0.00	0.00	0.00
19,400.00	90.00	91.20	7,470.00	4,231.54	6,253.73	7,259.57	0.00	0.00	0.00
19,500.00	90.00	91.20	7,470.00	4,229.45	6,353.71	7,353.94	0.00	0.00	0.00
19,600.00	90.00	91.20	7,470.00	4,227.36	6,453.69	7,448.31	0.00	0.00	0.00
19,700.00	90.00	91.20	7,470.00	4,225.27	6,553.67	7,542.68	0.00	0.00	0.00
19,800.00	90.00	91.20	7,470.00	4,223.19	6,653.64	7,637.06	0.00	0.00	0.00
19,900.00	90.00	91.20	7,470.00	4,221.10	6,753.62	7,731.43	0.00	0.00	0.00
20,000.00	90.00	91.20	7,470.00	4,219.01	6,853.60	7,825.80	0.00	0.00	0.00
20,100.00	90.00	91.20	7,470.00	4,216.92	6,953.58	7,920.17	0.00	0.00	0.00
20,200.00	90.00	91.20	7,470.00	4,214.84	7,053.56	8,014.54	0.00	0.00	0.00
20,300.00	90.00	91.20	7,470.00	4,212.75	7,153.54	8,108.92	0.00	0.00	0.00
20,400.00	90.00	91.20	7,470.00	4,210.66	7,253.51	8,203.29	0.00	0.00	0.00
20,500.00	90.00	91.20	7,470.00	4,208.58	7,353.49	8,297.66	0.00	0.00	0.00
20,600.00	90.00	91.20	7,470.00	4,206.49	7,453.47	8,392.03	0.00	0.00	0.00
20,700.00	90.00	91.20	7,470.00	4,204.40	7,553.45	8,486.40	0.00	0.00	0.00
20,800.00	90.00	91.20	7,470.00	4,202.31	7,653.43	8,580.78	0.00	0.00	0.00
20,900.00	90.00	91.20	7,470.00	4,200.23	7,753.41	8,675.15	0.00	0.00	0.00
21,000.00	90.00	91.20	7,470.00	4,198.14	7,853.38	8,769.52	0.00	0.00	0.00
21,100.00	90.00	91.20	7,470.00	4,196.05	7,953.36	8,863.89	0.00	0.00	0.00
21,200.00	90.00	91.20	7,470.00	4,193.97	8,053.34	8,958.26	0.00	0.00	0.00
21,300.00	90.00	91.20	7,470.00	4,191.88	8,153.32	9,052.64	0.00	0.00	0.00
21,400.00	90.00	91.20	7,470.00	4,189.79	8,253.30	9,147.01	0.00	0.00	0.00
21,500.00	90.00	91.20	7,470.00	4,187.70	8,353.27	9,241.38	0.00	0.00	0.00
21,600.00	90.00	91.20	7,470.00	4,185.62	8,453.25	9,335.75	0.00	0.00	0.00
21,700.00	90.00	91.20	7,470.00	4,183.53	8,553.23	9,430.12	0.00	0.00	0.00
21,800.00	90.00	91.20	7,470.00	4,181.44	8,653.21	9,524.49	0.00	0.00	0.00
21,900.00	90.00	91.20	7,470.00	4,179.35	8,753.19	9,618.87	0.00	0.00	0.00

Civitas Resources

Planning Report

Database:	EDM	Local Co-ordinate Reference:	Well TRANSPORT 3-64 34-35-36 1AH
Company:	CRESTONE PEAK RESOURCES	TVD Reference:	KBE 25' @ 5599.00usft
Project:	ADAMS COUNTY	MD Reference:	KBE 25' @ 5599.00usft
Site:	SEC 34-T3S-R64W	North Reference:	True
Well:	TRANSPORT 3-64 34-35-36 1AH	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	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)
22,000.00	90.00	91.20	7,470.00	4,177.27	8,853.17	9,713.24	0.00	0.00	0.00
22,100.00	90.00	91.20	7,470.00	4,175.18	8,953.14	9,807.61	0.00	0.00	0.00
22,200.00	90.00	91.20	7,470.00	4,173.09	9,053.12	9,901.98	0.00	0.00	0.00
22,300.00	90.00	91.20	7,470.00	4,171.01	9,153.10	9,996.35	0.00	0.00	0.00
22,400.00	90.00	91.20	7,470.00	4,168.92	9,253.08	10,090.73	0.00	0.00	0.00
22,500.00	90.00	91.20	7,470.00	4,166.83	9,353.06	10,185.10	0.00	0.00	0.00
22,600.00	90.00	91.20	7,470.00	4,164.74	9,453.03	10,279.47	0.00	0.00	0.00
22,700.00	90.00	91.20	7,470.00	4,162.66	9,553.01	10,373.84	0.00	0.00	0.00
22,800.00	90.00	91.20	7,470.00	4,160.57	9,652.99	10,468.21	0.00	0.00	0.00
22,900.00	90.00	91.20	7,470.00	4,158.48	9,752.97	10,562.59	0.00	0.00	0.00
23,000.00	90.00	91.20	7,470.00	4,156.39	9,852.95	10,656.96	0.00	0.00	0.00
23,100.00	90.00	91.20	7,470.00	4,154.31	9,952.93	10,751.33	0.00	0.00	0.00
23,200.00	90.00	91.20	7,470.00	4,152.22	10,052.90	10,845.70	0.00	0.00	0.00
23,300.00	90.00	91.20	7,470.00	4,150.13	10,152.88	10,940.07	0.00	0.00	0.00
23,400.00	90.00	91.20	7,470.00	4,148.05	10,252.86	11,034.45	0.00	0.00	0.00
23,500.00	90.00	91.20	7,470.00	4,145.96	10,352.84	11,128.82	0.00	0.00	0.00
23,600.00	90.00	91.20	7,470.00	4,143.87	10,452.82	11,223.19	0.00	0.00	0.00
23,700.00	90.00	91.20	7,470.00	4,141.78	10,552.80	11,317.56	0.00	0.00	0.00
23,800.00	90.00	91.20	7,470.00	4,139.70	10,652.77	11,411.93	0.00	0.00	0.00
23,900.00	90.00	91.20	7,470.00	4,137.61	10,752.75	11,506.30	0.00	0.00	0.00
24,000.00	90.00	91.20	7,470.00	4,135.52	10,852.73	11,600.68	0.00	0.00	0.00
24,100.00	90.00	91.20	7,470.00	4,133.43	10,952.71	11,695.05	0.00	0.00	0.00
24,200.00	90.00	91.20	7,470.00	4,131.35	11,052.69	11,789.42	0.00	0.00	0.00
24,300.00	90.00	91.20	7,470.00	4,129.26	11,152.66	11,883.79	0.00	0.00	0.00
24,400.00	90.00	91.20	7,470.00	4,127.17	11,252.64	11,978.16	0.00	0.00	0.00
24,500.00	90.00	91.20	7,470.00	4,125.09	11,352.62	12,072.54	0.00	0.00	0.00
24,600.00	90.00	91.20	7,470.00	4,123.00	11,452.60	12,166.91	0.00	0.00	0.00
24,700.00	90.00	91.20	7,470.00	4,120.91	11,552.58	12,261.28	0.00	0.00	0.00
24,800.00	90.00	91.20	7,470.00	4,118.82	11,652.56	12,355.65	0.00	0.00	0.00
24,900.00	90.00	91.20	7,470.00	4,116.74	11,752.53	12,450.02	0.00	0.00	0.00
25,000.00	90.00	91.20	7,470.00	4,114.65	11,852.51	12,544.40	0.00	0.00	0.00
25,100.00	90.00	91.20	7,470.00	4,112.56	11,952.49	12,638.77	0.00	0.00	0.00
25,200.00	90.00	91.20	7,470.00	4,110.48	12,052.47	12,733.14	0.00	0.00	0.00
25,300.00	90.00	91.20	7,470.00	4,108.39	12,152.45	12,827.51	0.00	0.00	0.00
25,400.00	90.00	91.20	7,470.00	4,106.30	12,252.42	12,921.88	0.00	0.00	0.00
25,500.00	90.00	91.20	7,470.00	4,104.21	12,352.40	13,016.26	0.00	0.00	0.00
25,600.00	90.00	91.20	7,470.00	4,102.13	12,452.38	13,110.63	0.00	0.00	0.00
25,679.06	90.00	91.20	7,470.00	4,100.48	12,531.42	13,185.24	0.00	0.00	0.00
TD at 25679.06									

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 1 - hit/miss target - Shape - Point	0.00	0.00	7,470.00	4,427.19	-3,117.91	1,154,106.92	3,268,439.09	39.752423°N	104.545262°W
PBHL-TRANSPORT 3-6 - plan hits target center - Point	0.00	0.00	7,470.00	4,100.48	12,531.42	1,153,950.67	3,284,091.00	39.751518°N	104.489605°W

Civitas Resources

Planning Report

Database:	EDM	Local Co-ordinate Reference:	Well TRANSPORT 3-64 34-35-36 1AH
Company:	CRESTONE PEAK RESOURCES	TVD Reference:	KBE 25' @ 5599.00usft
Project:	ADAMS COUNTY	MD Reference:	KBE 25' @ 5599.00usft
Site:	SEC 34-T3S-R64W	North Reference:	True
Well:	TRANSPORT 3-64 34-35-36 1AH	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PROPOSAL 1		

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
24.00	24.00	Denver				
735.19	730.00	Arapahoe				
1,631.98	1,560.00	Laramie-Fox Hills Formation				
1,957.43	1,830.00	Pierre Formation				
2,592.96	2,300.00	Upper Pierre aquifer				
3,500.03	2,950.00	Base of Upper Pierre aquifer				
4,814.58	3,892.00	Larimer ("Parkman") sandstone				
5,028.09	4,045.00	Pierre Formation				
6,486.38	5,090.00	Terry ("Sussex") sandstone				
6,716.64	5,255.00	Pierre Formation				
7,560.91	5,860.00	Hygiene ("Shannon") sandstone				
7,925.13	6,121.00	Pierre Formation				
9,538.31	7,310.00	Sharon Springs Member				
10,026.22	7,470.00	Niobrara Formation		0.00		

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
100.00	100.00	0.00	0.00	Start Build 2.00	
2,311.30	2,098.16	597.77	-549.41	Start 6526.46 hold at 2311.30 MD	
8,837.76	6,774.98	3,949.36	-3,629.81	Start DLS 10.00 TFO 124.48	
10,026.31	7,470.00	4,427.19	-3,117.91	Start 15652.75 hold at 10026.31 MD	
25,679.06	7,470.00	4,100.48	12,531.42	TD at 25679.06	