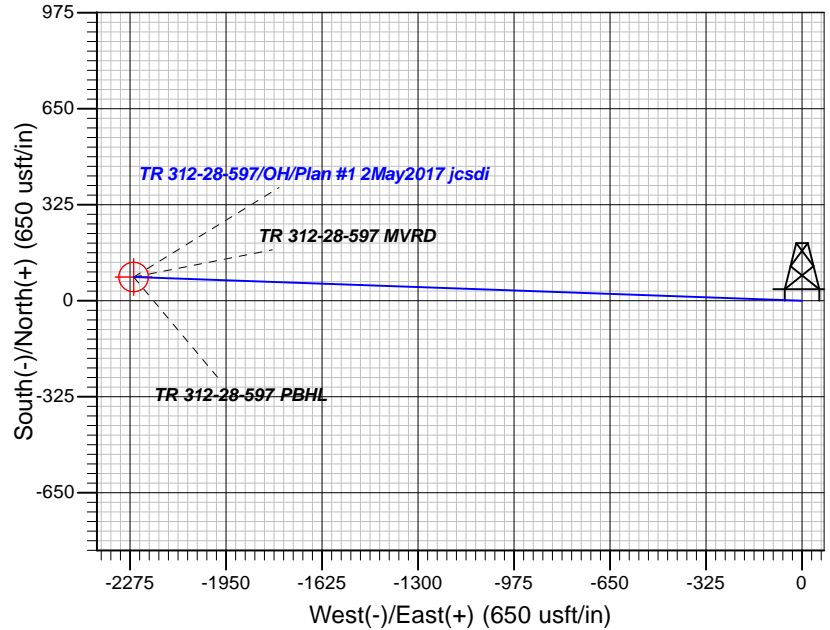
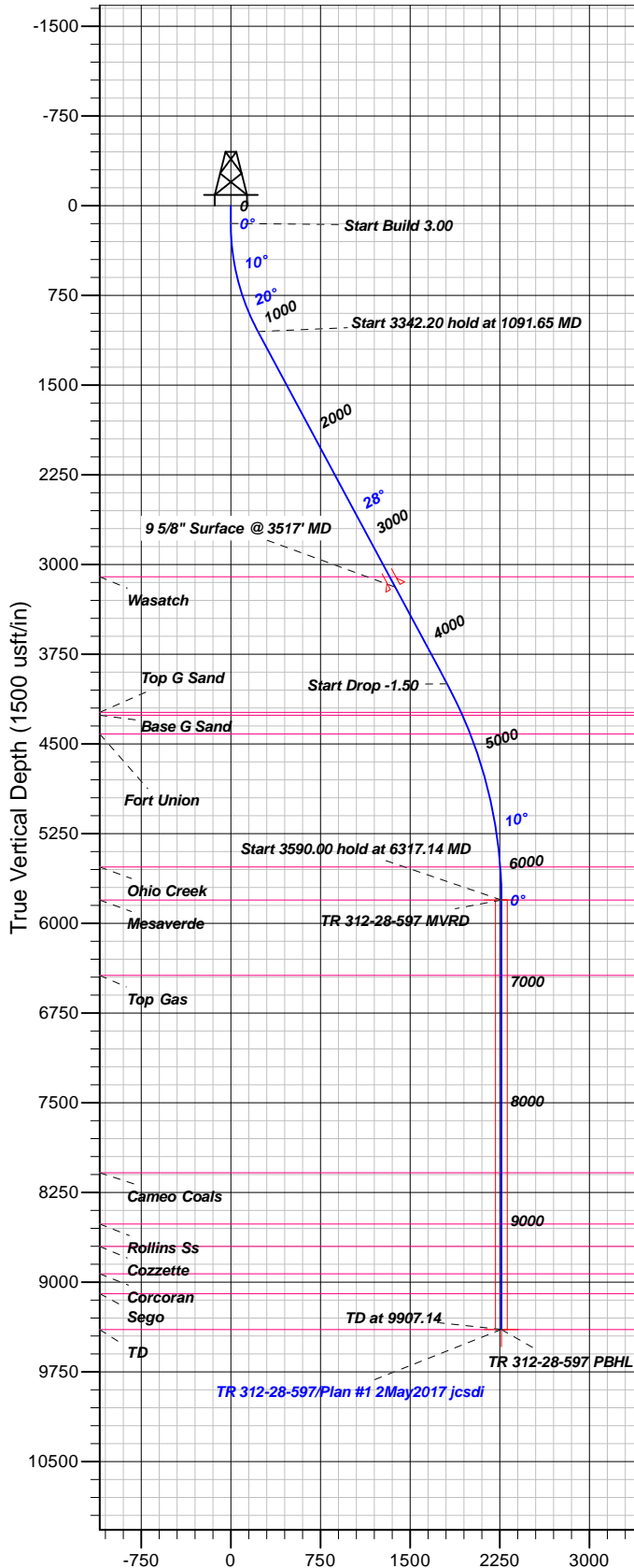


Well Details: TR 312-28-597

GL 8481.40' & RKB 24' @ 8505.40usft  
+N/-S +E/-W Northing Easting Latitude Longitude Slot  
0.00 0.00 1650709.30 2216053.20 39.5870322 -108.2820108 A6

T M Azimuths to True North  
Magnetic North: 9.80°  
Magnetic Field  
Strength: 51635.9snT  
Dip Angle: 65.90°  
Date: 5/2/2017  
Model: HDGM



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3103.00	3417.74	Wasatch
4237.00	4700.29	Top G Sand
4261.00	4726.57	Base G Sand
4416.00	4894.48	Fort Union
5529.00	6039.90	Ohio Creek
5806.00	6317.14	Mesaverde
6436.00	6947.14	Top Gas
8085.00	8596.14	Cameo Coals
8515.00	9026.14	Rollins Ss
8702.00	9213.14	Cozzette
8930.00	9441.14	Corcoran
9096.00	9607.14	Sego

Plan: Plan #1 2May2017 jcsdi

10:15, May 04 2017  
Created By: Janie Collins

PROJECT DETAILS: Garfield County, CO NAD83

Geodetic System: US State Plane 1983  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone: Colorado Central Zone

System Datum: Mean Sea Level

CASING DETAILS

TVD	MD	Name	Size
3190.44	3517.90	5/8" Surface @ 3517' MD	9.62

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	150.00	0.00	0.00	150.00	0.00	0.00	0.00	0.00	0.00	
3	1091.65	28.25	272.02	1053.96	8.03	-227.33	3.00	272.02	227.47	
4	4433.85	28.25	272.02	3998.08	63.89	-1808.25	0.00	0.00	1809.37	
5	6317.14	0.00	0.00	5806.00	79.95	-2262.91	1.50	180.00	2264.32	TR 312-28-597 MVRD
6	9907.14	0.00	0.00	9396.00	79.95	-2262.91	0.00	0.00	2264.32	TR 312-28-597 PBHL

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
TR 312-28-597 MVRD5806.00	79.95	-2262.91	1650858.50	2213793.80		39.5872514	-108.2900400	Circle (Radius: 50.00)
- plan hits target center								
TR 312-28-597 PBHL 9396.00	79.95	-2262.91	1650858.50	2213793.80		39.5872514	-108.2900400	Point
- plan hits target center								



## **TEP Rocky Mountain LLC**

**Garfield County, CO NAD83**

**TR 32-28-597 Pad**

**TR 312-28-597 - Slot A6**

**OH**

**Plan: Plan #1 2May2017 jcsdi**

## **Standard Planning Report**

**04 May, 2017**



<b>Database:</b>	Grand Junction District	<b>Local Co-ordinate Reference:</b>	Well TR 312-28-597 - Slot A6
<b>Company:</b>	TEP Rocky Mountain LLC	<b>TVD Reference:</b>	GL 8481.40' & RKB 24' @ 8505.40usft
<b>Project:</b>	Garfield County, CO NAD83	<b>MD Reference:</b>	GL 8481.40' & RKB 24' @ 8505.40usft
<b>Site:</b>	TR 32-28-597 Pad	<b>North Reference:</b>	True
<b>Well:</b>	TR 312-28-597	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #1 2May2017 jcsdi		

<b>Project</b>	Garfield County, CO NAD83		
<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 Central Zone		

<b>Site</b>	TR 32-28-597 Pad			
<b>Site Position:</b>		<b>Northing:</b>	1,650,686.80 usft	<b>Latitude:</b> 39.5869706
<b>From:</b> Map		<b>Easting:</b>	2,216,054.60 usft	<b>Longitude:</b> -108.2820034
<b>Position Uncertainty:</b>	0.00 usft	<b>Slot Radius:</b>	13.20 in	<b>Grid Convergence:</b> -1.75 °

<b>Well</b>	TR 312-28-597 - Slot A6			
<b>Well Position</b>	<b>+N/-S</b>	22.45 usft	<b>Northing:</b>	1,650,709.30 usft
	<b>+E/-W</b>	-2.09 usft	<b>Easting:</b>	2,216,053.20 usft
<b>Position Uncertainty</b>	0.00 usft		<b>Wellhead Elevation:</b>	0.00 usft
			<b>Ground Level:</b>	8,481.40 usft

<b>Wellbore</b>	OH				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	HDGM	5/2/2017	9.80	65.90	51,636

<b>Design</b>	Plan #1 2May2017 jcsdi			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PLAN	<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	272.02

<b>Plan Sections</b>										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
150.00	0.00	0.00	150.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,091.65	28.25	272.02	1,053.96	8.03	-227.33	3.00	3.00	0.00	272.02	
4,433.85	28.25	272.02	3,998.08	63.89	-1,808.25	0.00	0.00	0.00	0.00	
6,317.14	0.00	0.00	5,806.00	79.95	-2,262.91	1.50	-1.50	0.00	180.00	TR 312-28-597 MVRI
9,907.14	0.00	0.00	9,396.00	79.95	-2,262.91	0.00	0.00	0.00	0.00	TR 312-28-597 PBHL

<b>Database:</b>	Grand Junction District	<b>Local Co-ordinate Reference:</b>	Well TR 312-28-597 - Slot A6
<b>Company:</b>	TEP Rocky Mountain LLC	<b>TVD Reference:</b>	GL 8481.40' & RKB 24' @ 8505.40usft
<b>Project:</b>	Garfield County, CO NAD83	<b>MD Reference:</b>	GL 8481.40' & RKB 24' @ 8505.40usft
<b>Site:</b>	TR 32-28-597 Pad	<b>North Reference:</b>	True
<b>Well:</b>	TR 312-28-597	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #1 2May2017 jcsdi		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
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
150.00	0.00	0.00	150.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	1.50	272.02	199.99	0.02	-0.65	0.65	3.00	3.00	0.00
300.00	4.50	272.02	299.85	0.21	-5.88	5.89	3.00	3.00	0.00
400.00	7.50	272.02	399.29	0.58	-16.33	16.34	3.00	3.00	0.00
500.00	10.50	272.02	498.04	1.13	-31.96	31.98	3.00	3.00	0.00
600.00	13.50	272.02	595.85	1.86	-52.74	52.77	3.00	3.00	0.00
700.00	16.50	272.02	692.43	2.78	-78.60	78.65	3.00	3.00	0.00
800.00	19.50	272.02	787.52	3.87	-109.48	109.55	3.00	3.00	0.00
900.00	22.50	272.02	880.87	5.13	-145.29	145.38	3.00	3.00	0.00
1,000.00	25.50	272.02	972.22	6.57	-185.93	186.05	3.00	3.00	0.00
1,091.65	28.25	272.02	1,053.96	8.03	-227.33	227.47	3.00	3.00	0.00
1,100.00	28.25	272.02	1,061.31	8.17	-231.28	231.43	0.00	0.00	0.00
1,200.00	28.25	272.02	1,149.40	9.84	-278.58	278.76	0.00	0.00	0.00
1,300.00	28.25	272.02	1,237.49	11.51	-325.89	326.09	0.00	0.00	0.00
1,400.00	28.25	272.02	1,325.58	13.19	-373.19	373.42	0.00	0.00	0.00
1,500.00	28.25	272.02	1,413.67	14.86	-420.49	420.75	0.00	0.00	0.00
1,600.00	28.25	272.02	1,501.76	16.53	-467.79	468.08	0.00	0.00	0.00
1,700.00	28.25	272.02	1,589.85	18.20	-515.09	515.41	0.00	0.00	0.00
1,800.00	28.25	272.02	1,677.94	19.87	-562.39	562.74	0.00	0.00	0.00
1,900.00	28.25	272.02	1,766.03	21.54	-609.70	610.08	0.00	0.00	0.00
2,000.00	28.25	272.02	1,854.12	23.21	-657.00	657.41	0.00	0.00	0.00
2,100.00	28.25	272.02	1,942.21	24.88	-704.30	704.74	0.00	0.00	0.00
2,200.00	28.25	272.02	2,030.30	26.55	-751.60	752.07	0.00	0.00	0.00
2,300.00	28.25	272.02	2,118.39	28.23	-798.90	799.40	0.00	0.00	0.00
2,400.00	28.25	272.02	2,206.48	29.90	-846.20	846.73	0.00	0.00	0.00
2,500.00	28.25	272.02	2,294.57	31.57	-893.50	894.06	0.00	0.00	0.00
2,600.00	28.25	272.02	2,382.66	33.24	-940.81	941.39	0.00	0.00	0.00
2,700.00	28.25	272.02	2,470.75	34.91	-988.11	988.72	0.00	0.00	0.00
2,800.00	28.25	272.02	2,558.84	36.58	-1,035.41	1,036.06	0.00	0.00	0.00
2,900.00	28.25	272.02	2,646.93	38.25	-1,082.71	1,083.39	0.00	0.00	0.00
3,000.00	28.25	272.02	2,735.02	39.92	-1,130.01	1,130.72	0.00	0.00	0.00
3,100.00	28.25	272.02	2,823.11	41.60	-1,177.31	1,178.05	0.00	0.00	0.00
3,200.00	28.25	272.02	2,911.19	43.27	-1,224.62	1,225.38	0.00	0.00	0.00
3,300.00	28.25	272.02	2,999.28	44.94	-1,271.92	1,272.71	0.00	0.00	0.00
3,400.00	28.25	272.02	3,087.37	46.61	-1,319.22	1,320.04	0.00	0.00	0.00
3,417.74	28.25	272.02	3,103.00	46.91	-1,327.61	1,328.44	0.00	0.00	0.00
<b>Wasatch</b>									
3,500.00	28.25	272.02	3,175.46	48.28	-1,366.52	1,367.37	0.00	0.00	0.00
3,517.00	28.25	272.02	3,190.44	48.56	-1,374.56	1,375.42	0.00	0.00	0.00
<b>9 5/8" Surface @ 3517' MD</b>									
3,600.00	28.25	272.02	3,263.55	49.95	-1,413.82	1,414.70	0.00	0.00	0.00
3,700.00	28.25	272.02	3,351.64	51.62	-1,461.12	1,462.04	0.00	0.00	0.00
3,800.00	28.25	272.02	3,439.73	53.29	-1,508.43	1,509.37	0.00	0.00	0.00
3,900.00	28.25	272.02	3,527.82	54.97	-1,555.73	1,556.70	0.00	0.00	0.00
4,000.00	28.25	272.02	3,615.91	56.64	-1,603.03	1,604.03	0.00	0.00	0.00
4,100.00	28.25	272.02	3,704.00	58.31	-1,650.33	1,651.36	0.00	0.00	0.00
4,200.00	28.25	272.02	3,792.09	59.98	-1,697.63	1,698.69	0.00	0.00	0.00
4,300.00	28.25	272.02	3,880.18	61.65	-1,744.93	1,746.02	0.00	0.00	0.00
4,400.00	28.25	272.02	3,968.27	63.32	-1,792.24	1,793.35	0.00	0.00	0.00
4,433.85	28.25	272.02	3,998.08	63.89	-1,808.25	1,809.37	0.00	0.00	0.00
4,500.00	27.26	272.02	4,056.63	64.97	-1,839.03	1,840.18	1.50	-1.50	0.00
4,600.00	25.76	272.02	4,146.11	66.55	-1,883.63	1,884.81	1.50	-1.50	0.00

<b>Database:</b>	Grand Junction District	<b>Local Co-ordinate Reference:</b>	Well TR 312-28-597 - Slot A6
<b>Company:</b>	TEP Rocky Mountain LLC	<b>TVD Reference:</b>	GL 8481.40' & RKB 24' @ 8505.40usft
<b>Project:</b>	Garfield County, CO NAD83	<b>MD Reference:</b>	GL 8481.40' & RKB 24' @ 8505.40usft
<b>Site:</b>	TR 32-28-597 Pad	<b>North Reference:</b>	True
<b>Well:</b>	TR 312-28-597	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #1 2May2017 jcsdi		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,700.00	24.26	272.02	4,236.73	68.04	-1,925.88	1,927.08	1.50	-1.50	0.00
4,700.29	24.25	272.02	4,237.00	68.05	-1,926.00	1,927.20	1.50	-1.50	0.00
<b>Top G Sand</b>									
4,726.57	23.86	272.02	4,261.00	68.43	-1,936.71	1,937.91	1.50	-1.50	0.00
<b>Base G Sand</b>									
4,800.00	22.76	272.02	4,328.43	69.45	-1,965.74	1,966.97	1.50	-1.50	0.00
4,894.48	21.34	272.02	4,416.00	70.70	-2,001.18	2,002.43	1.50	-1.50	0.00
<b>Fort Union</b>									
4,900.00	21.26	272.02	4,421.14	70.77	-2,003.19	2,004.44	1.50	-1.50	0.00
5,000.00	19.76	272.02	4,514.80	72.01	-2,038.20	2,039.47	1.50	-1.50	0.00
5,100.00	18.26	272.02	4,609.35	73.16	-2,070.74	2,072.04	1.50	-1.50	0.00
5,200.00	16.76	272.02	4,704.71	74.22	-2,100.81	2,102.12	1.50	-1.50	0.00
5,300.00	15.26	272.02	4,800.83	75.20	-2,128.36	2,129.69	1.50	-1.50	0.00
5,400.00	13.76	272.02	4,897.64	76.08	-2,153.40	2,154.74	1.50	-1.50	0.00
5,500.00	12.26	272.02	4,995.07	76.88	-2,175.89	2,177.25	1.50	-1.50	0.00
5,600.00	10.76	272.02	5,093.06	77.58	-2,195.83	2,197.20	1.50	-1.50	0.00
5,700.00	9.26	272.02	5,191.54	78.19	-2,213.19	2,214.57	1.50	-1.50	0.00
5,800.00	7.76	272.02	5,290.43	78.72	-2,227.98	2,229.37	1.50	-1.50	0.00
5,900.00	6.26	272.02	5,389.69	79.15	-2,240.17	2,241.57	1.50	-1.50	0.00
6,000.00	4.76	272.02	5,489.22	79.49	-2,249.76	2,251.16	1.50	-1.50	0.00
6,039.90	4.16	272.02	5,529.00	79.60	-2,252.86	2,254.26	1.50	-1.50	0.00
<b>Ohio Creek</b>									
6,100.00	3.26	272.02	5,588.97	79.73	-2,256.74	2,258.15	1.50	-1.50	0.00
6,200.00	1.76	272.02	5,688.87	79.89	-2,261.11	2,262.52	1.50	-1.50	0.00
6,300.00	0.26	272.02	5,788.86	79.95	-2,262.87	2,264.28	1.50	-1.50	0.00
6,317.14	0.00	0.00	5,806.00	79.95	-2,262.91	2,264.32	1.50	-1.50	513.17
<b>Mesaverde - TR 312-28-597 MVRD</b>									
6,400.00	0.00	0.00	5,888.86	79.95	-2,262.91	2,264.32	0.00	0.00	0.00
6,500.00	0.00	0.00	5,988.86	79.95	-2,262.91	2,264.32	0.00	0.00	0.00
6,600.00	0.00	0.00	6,088.86	79.95	-2,262.91	2,264.32	0.00	0.00	0.00
6,700.00	0.00	0.00	6,188.86	79.95	-2,262.91	2,264.32	0.00	0.00	0.00
6,800.00	0.00	0.00	6,288.86	79.95	-2,262.91	2,264.32	0.00	0.00	0.00
6,900.00	0.00	0.00	6,388.86	79.95	-2,262.91	2,264.32	0.00	0.00	0.00
6,947.14	0.00	0.00	6,436.00	79.95	-2,262.91	2,264.32	0.00	0.00	0.00
<b>Top Gas</b>									
7,000.00	0.00	0.00	6,488.86	79.95	-2,262.91	2,264.32	0.00	0.00	0.00
7,100.00	0.00	0.00	6,588.86	79.95	-2,262.91	2,264.32	0.00	0.00	0.00
7,200.00	0.00	0.00	6,688.86	79.95	-2,262.91	2,264.32	0.00	0.00	0.00
7,300.00	0.00	0.00	6,788.86	79.95	-2,262.91	2,264.32	0.00	0.00	0.00
7,400.00	0.00	0.00	6,888.86	79.95	-2,262.91	2,264.32	0.00	0.00	0.00
7,500.00	0.00	0.00	6,988.86	79.95	-2,262.91	2,264.32	0.00	0.00	0.00
7,600.00	0.00	0.00	7,088.86	79.95	-2,262.91	2,264.32	0.00	0.00	0.00
7,700.00	0.00	0.00	7,188.86	79.95	-2,262.91	2,264.32	0.00	0.00	0.00
7,800.00	0.00	0.00	7,288.86	79.95	-2,262.91	2,264.32	0.00	0.00	0.00
7,900.00	0.00	0.00	7,388.86	79.95	-2,262.91	2,264.32	0.00	0.00	0.00
8,000.00	0.00	0.00	7,488.86	79.95	-2,262.91	2,264.32	0.00	0.00	0.00
8,100.00	0.00	0.00	7,588.86	79.95	-2,262.91	2,264.32	0.00	0.00	0.00
8,200.00	0.00	0.00	7,688.86	79.95	-2,262.91	2,264.32	0.00	0.00	0.00
8,300.00	0.00	0.00	7,788.86	79.95	-2,262.91	2,264.32	0.00	0.00	0.00
8,400.00	0.00	0.00	7,888.86	79.95	-2,262.91	2,264.32	0.00	0.00	0.00
8,500.00	0.00	0.00	7,988.86	79.95	-2,262.91	2,264.32	0.00	0.00	0.00
8,596.14	0.00	0.00	8,085.00	79.95	-2,262.91	2,264.32	0.00	0.00	0.00
<b>Cameo Coals</b>									

<b>Database:</b>	Grand Junction District	<b>Local Co-ordinate Reference:</b>	Well TR 312-28-597 - Slot A6
<b>Company:</b>	TEP Rocky Mountain LLC	<b>TVD Reference:</b>	GL 8481.40' & RKB 24' @ 8505.40usft
<b>Project:</b>	Garfield County, CO NAD83	<b>MD Reference:</b>	GL 8481.40' & RKB 24' @ 8505.40usft
<b>Site:</b>	TR 32-28-597 Pad	<b>North Reference:</b>	True
<b>Well:</b>	TR 312-28-597	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #1 2May2017 jcsdi		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,600.00	0.00	0.00	8,088.86	79.95	-2,262.91	2,264.32	0.00	0.00	0.00
8,700.00	0.00	0.00	8,188.86	79.95	-2,262.91	2,264.32	0.00	0.00	0.00
8,800.00	0.00	0.00	8,288.86	79.95	-2,262.91	2,264.32	0.00	0.00	0.00
8,900.00	0.00	0.00	8,388.86	79.95	-2,262.91	2,264.32	0.00	0.00	0.00
9,000.00	0.00	0.00	8,488.86	79.95	-2,262.91	2,264.32	0.00	0.00	0.00
9,026.14	0.00	0.00	8,515.00	79.95	-2,262.91	2,264.32	0.00	0.00	0.00
<b>Rollins Ss</b>									
9,100.00	0.00	0.00	8,588.86	79.95	-2,262.91	2,264.32	0.00	0.00	0.00
9,200.00	0.00	0.00	8,688.86	79.95	-2,262.91	2,264.32	0.00	0.00	0.00
9,213.14	0.00	0.00	8,702.00	79.95	-2,262.91	2,264.32	0.00	0.00	0.00
<b>Cozzette</b>									
9,300.00	0.00	0.00	8,788.86	79.95	-2,262.91	2,264.32	0.00	0.00	0.00
9,400.00	0.00	0.00	8,888.86	79.95	-2,262.91	2,264.32	0.00	0.00	0.00
9,441.14	0.00	0.00	8,930.00	79.95	-2,262.91	2,264.32	0.00	0.00	0.00
<b>Corcoran</b>									
9,500.00	0.00	0.00	8,988.86	79.95	-2,262.91	2,264.32	0.00	0.00	0.00
9,600.00	0.00	0.00	9,088.86	79.95	-2,262.91	2,264.32	0.00	0.00	0.00
9,607.14	0.00	0.00	9,096.00	79.95	-2,262.91	2,264.32	0.00	0.00	0.00
<b>Sego</b>									
9,700.00	0.00	0.00	9,188.86	79.95	-2,262.91	2,264.32	0.00	0.00	0.00
9,800.00	0.00	0.00	9,288.86	79.95	-2,262.91	2,264.32	0.00	0.00	0.00
9,900.00	0.00	0.00	9,388.86	79.95	-2,262.91	2,264.32	0.00	0.00	0.00
9,907.14	0.00	0.00	9,396.00	79.95	-2,262.91	2,264.32	0.00	0.00	0.00
<b>TR 312-28-597 PBHL</b>									

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									
TR 312-28-597 MVRD	0.00	0.00	5,806.00	79.95	-2,262.91	1,650,858.50	2,213,793.80	39.5872515	-108.2900400
- plan hits target center									
- Circle (radius 50.00)									
TR 312-28-597 PBHL	0.00	0.00	9,396.00	79.95	-2,262.91	1,650,858.50	2,213,793.80	39.5872515	-108.2900400
- plan hits target center									
- Point									

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (in)	Hole Diameter (in)	
3,517.00	3,190.44	9 5/8" Surface @ 3517' MD	9.62	9.62	

<b>Database:</b>	Grand Junction District	<b>Local Co-ordinate Reference:</b>	Well TR 312-28-597 - Slot A6
<b>Company:</b>	TEP Rocky Mountain LLC	<b>TVD Reference:</b>	GL 8481.40' & RKB 24' @ 8505.40usft
<b>Project:</b>	Garfield County, CO NAD83	<b>MD Reference:</b>	GL 8481.40' & RKB 24' @ 8505.40usft
<b>Site:</b>	TR 312-28-597 Pad	<b>North Reference:</b>	True
<b>Well:</b>	TR 312-28-597	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #1 2May2017 jcsdi		

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
3,417.74	3,103.00	Wasatch		0.00	0.00	
4,700.29	4,237.00	Top G Sand		0.00	0.00	
4,726.57	4,261.00	Base G Sand		0.00	0.00	
4,894.48	4,416.00	Fort Union		0.00	0.00	
6,039.90	5,529.00	Ohio Creek		0.00	0.00	
6,317.14	5,806.00	Mesaverde		0.00	0.00	
6,947.14	6,436.00	Top Gas		0.00	0.00	
8,596.14	8,085.00	Cameo Coals		0.00	0.00	
9,026.14	8,515.00	Rollins Ss		0.00	0.00	
9,213.14	8,702.00	Cozzette		0.00	0.00	
9,441.14	8,930.00	Corcoran		0.00	0.00	
9,607.14	9,096.00	Sego		0.00	0.00	