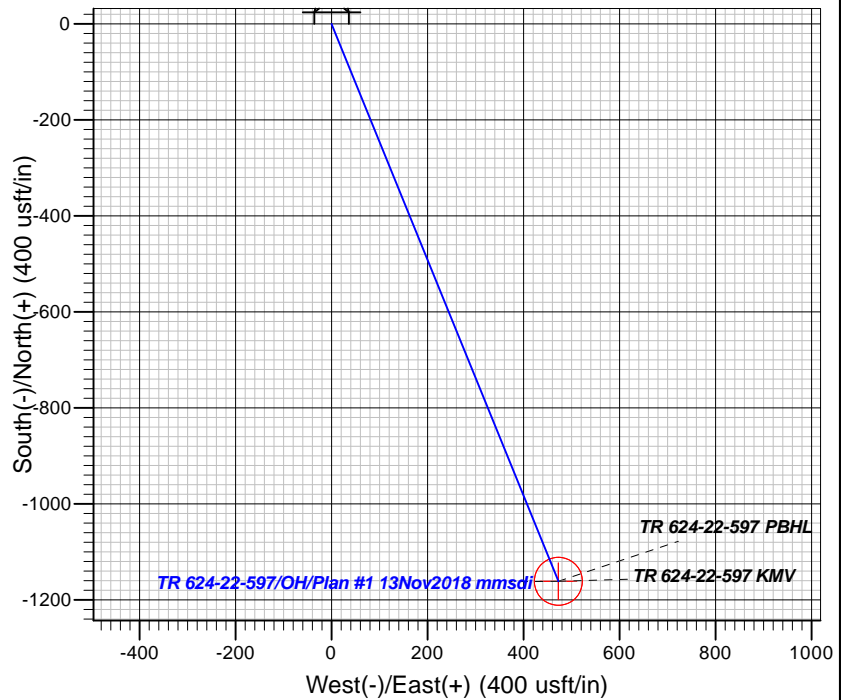
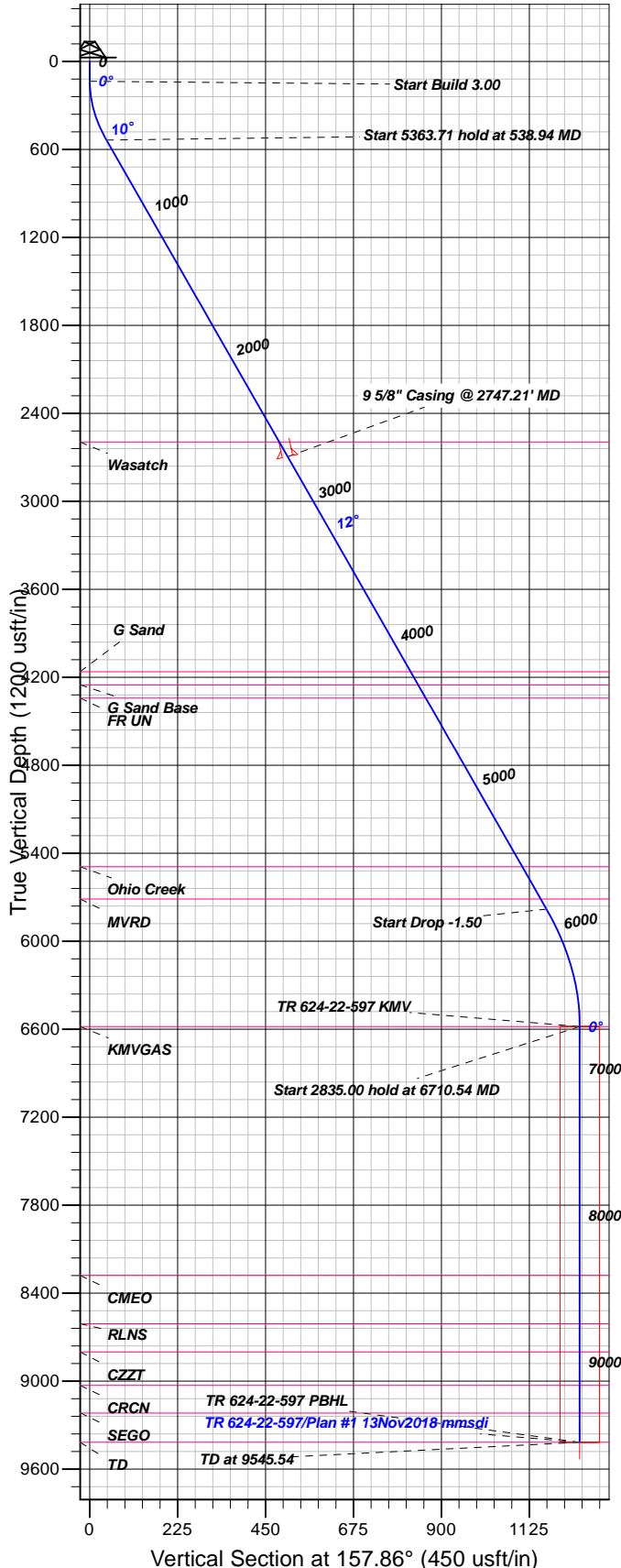




Azimuths to True North  
Magnetic North: 9.67°  
Magnetic Field  
Strength: 51445.4snT  
Dip Angle: 65.83°  
Date: 11/13/2018  
Model: HDGM

## Well Details: TR 624-22-597

GL 8143 & RKB 24' @ 8167.00usft  
+N/-S 0.00 +E/-W 0.00 Northing 1653641.77 Easting 2220855.10 Latitude 39.5954816 Longitude -108.2652974 Slot TR 624-22-597



## FORMATION TOP DETAILS

TVDPth	MDPath	Formation
2595.00	2644.93	Wasatch
4162.00	4247.65	G Sand
4252.00	4339.70	G Sand Base
4342.00	4431.75	FR UN
5492.00	5607.96	Ohio Creek
5712.00	5832.98	MVRD
6582.00	6710.54	KMGAS
8279.00	8407.54	CMEQ
8609.00	8737.54	RLNS
8801.00	8929.54	CZZT
9029.00	9157.54	CRCN
9217.00	9345.54	SEGO
9417.00	9545.54	TD

Plan: Plan #1 13Nov2018 mmsdi

13:28, November 14 2018  
Created By: Mel Mireles

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
2695.00	2747.21	9 5/8" Casing @ 2747.21' MD	9.62

## 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	135.00	0.00	0.00	135.00	0.00	0.00	0.00	0.00	0.00	
3	538.94	12.12	157.86	535.94	-39.42	16.04	3.00	157.86	42.56	
4	5902.65	12.12	157.86	5780.13	-1082.38	440.46	0.00	0.00	0.00	1168.56
5	6710.54	0.00	0.00	6582.00	-1161.22	472.54	1.50	180.00	1253.68	TR 624-22-597 KMG
6	9545.54	0.00	0.00	9417.00	-1161.22	472.54	0.00	0.00	1253.68	TR 624-22-597 PBHL

## DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
TR 624-22-597 KMG	6582.00	-1161.22	472.54	1652466.71	2221292.08	39.5922936	-108.2636206	Circle (Radius: 50.00)
- plan hits target center								
TR 624-22-597 PBHL	9417.00	-1161.22	472.54	1652466.71	2221292.08	39.5922936	-108.2636206	Point
- plan hits target center								



## **TEP Rocky Mountain LLC**

**Garfield County, CO NAD83**

**TR 23-22-597**

**TR 624-22-597 - Slot TR 624-22-597**

**OH**

**Plan: Plan #1 13Nov2018 mmsdi**

## **Standard Planning Report**

**14 November, 2018**



<b>Database:</b>	Grand Junction District	<b>Local Co-ordinate Reference:</b>	Well TR 624-22-597 - Slot TR 624-22-597
<b>Company:</b>	TEP Rocky Mountain LLC	<b>TVD Reference:</b>	GL 8143 & RKB 24' @ 8167.00usft
<b>Project:</b>	Garfield County, CO NAD83	<b>MD Reference:</b>	GL 8143 & RKB 24' @ 8167.00usft
<b>Site:</b>	TR 23-22-597	<b>North Reference:</b>	True
<b>Well:</b>	TR 624-22-597	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #1 13Nov2018 mmsdi		

<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 23-22-597			
<b>Site Position:</b>		<b>Northing:</b>	1,653,688.23 usft	<b>Latitude:</b> 39.5956123
<b>From:</b> Map		<b>Easting:</b>	2,220,893.12 usft	<b>Longitude:</b> -108.2651676
<b>Position Uncertainty:</b>	0.00 usft	<b>Slot Radius:</b>	13.20 in	<b>Grid Convergence:</b> -1.74 °

<b>Well</b>	TR 624-22-597 - Slot TR 624-22-597			
<b>Well Position</b>	<b>+N/-S</b>	-47.60 usft	<b>Northing:</b>	1,653,641.77 usft
	<b>+E/-W</b>	-36.59 usft	<b>Easting:</b>	2,220,855.10 usft
<b>Position Uncertainty</b>		0.00 usft	<b>Wellhead Elevation:</b>	0.00 usft
			<b>Ground Level:</b>	8,143.00 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	11/13/2018	9.67	65.83	51,445

<b>Design</b>	Plan #1 13Nov2018 mmsdi			
<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	157.86

<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	
135.00	0.00	0.00	135.00	0.00	0.00	0.00	0.00	0.00	0.00	
538.94	12.12	157.86	535.94	-39.42	16.04	3.00	3.00	0.00	157.86	
5,902.65	12.12	157.86	5,780.13	-1,082.38	440.46	0.00	0.00	0.00	0.00	
6,710.54	0.00	0.00	6,582.00	-1,161.22	472.54	1.50	-1.50	0.00	180.00	TR 624-22-597 KMV
9,545.54	0.00	0.00	9,417.00	-1,161.22	472.54	0.00	0.00	0.00	0.00	TR 624-22-597 PBHL

<b>Database:</b>	Grand Junction District	<b>Local Co-ordinate Reference:</b>	Well TR 624-22-597 - Slot TR 624-22-597
<b>Company:</b>	TEP Rocky Mountain LLC	<b>TVD Reference:</b>	GL 8143 & RKB 24' @ 8167.00usft
<b>Project:</b>	Garfield County, CO NAD83	<b>MD Reference:</b>	GL 8143 & RKB 24' @ 8167.00usft
<b>Site:</b>	TR 23-22-597	<b>North Reference:</b>	True
<b>Well:</b>	TR 624-22-597	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #1 13Nov2018 mmsdi		

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
135.00	0.00	0.00	135.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 3.00									
200.00	1.95	157.86	199.99	-1.02	0.42	1.11	3.00	3.00	0.00
300.00	4.95	157.86	299.79	-6.60	2.68	7.12	3.00	3.00	0.00
400.00	7.95	157.86	399.15	-17.00	6.92	18.36	3.00	3.00	0.00
500.00	10.95	157.86	497.78	-32.21	13.11	34.77	3.00	3.00	0.00
538.94	12.12	157.86	535.94	-39.42	16.04	42.56	3.00	3.00	0.00
Start 5363.71 hold at 538.94 MD									
600.00	12.12	157.86	595.63	-51.29	20.87	55.38	0.00	0.00	0.00
700.00	12.12	157.86	693.41	-70.74	28.79	76.37	0.00	0.00	0.00
800.00	12.12	157.86	791.18	-90.18	36.70	97.36	0.00	0.00	0.00
900.00	12.12	157.86	888.95	-109.63	44.61	118.36	0.00	0.00	0.00
1,000.00	12.12	157.86	986.72	-129.07	52.52	139.35	0.00	0.00	0.00
1,100.00	12.12	157.86	1,084.49	-148.52	60.44	160.34	0.00	0.00	0.00
1,200.00	12.12	157.86	1,182.26	-167.96	68.35	181.33	0.00	0.00	0.00
1,300.00	12.12	157.86	1,280.04	-187.41	76.26	202.33	0.00	0.00	0.00
1,400.00	12.12	157.86	1,377.81	-206.85	84.17	223.32	0.00	0.00	0.00
1,500.00	12.12	157.86	1,475.58	-226.29	92.09	244.31	0.00	0.00	0.00
1,600.00	12.12	157.86	1,573.35	-245.74	100.00	265.31	0.00	0.00	0.00
1,700.00	12.12	157.86	1,671.12	-265.18	107.91	286.30	0.00	0.00	0.00
1,800.00	12.12	157.86	1,768.89	-284.63	115.83	307.29	0.00	0.00	0.00
1,900.00	12.12	157.86	1,866.67	-304.07	123.74	328.29	0.00	0.00	0.00
2,000.00	12.12	157.86	1,964.44	-323.52	131.65	349.28	0.00	0.00	0.00
2,100.00	12.12	157.86	2,062.21	-342.96	139.56	370.27	0.00	0.00	0.00
2,200.00	12.12	157.86	2,159.98	-362.41	147.48	391.27	0.00	0.00	0.00
2,300.00	12.12	157.86	2,257.75	-381.85	155.39	412.26	0.00	0.00	0.00
2,400.00	12.12	157.86	2,355.52	-401.30	163.30	433.25	0.00	0.00	0.00
2,500.00	12.12	157.86	2,453.30	-420.74	171.21	454.24	0.00	0.00	0.00
2,600.00	12.12	157.86	2,551.07	-440.19	179.13	475.24	0.00	0.00	0.00
2,644.93	12.12	157.86	2,595.00	-448.92	182.68	484.67	0.00	0.00	0.00
Wasatch									
2,700.00	12.12	157.86	2,648.84	-459.63	187.04	496.23	0.00	0.00	0.00
2,747.21	12.12	157.86	2,695.00	-468.81	190.78	506.14	0.00	0.00	0.00
9 5/8" Casing @ 2747.21' MD									
2,800.00	12.12	157.86	2,746.61	-479.08	194.95	517.22	0.00	0.00	0.00
2,900.00	12.12	157.86	2,844.38	-498.52	202.87	538.22	0.00	0.00	0.00
3,000.00	12.12	157.86	2,942.15	-517.96	210.78	559.21	0.00	0.00	0.00
3,100.00	12.12	157.86	3,039.93	-537.41	218.69	580.20	0.00	0.00	0.00
3,200.00	12.12	157.86	3,137.70	-556.85	226.60	601.20	0.00	0.00	0.00
3,300.00	12.12	157.86	3,235.47	-576.30	234.52	622.19	0.00	0.00	0.00
3,400.00	12.12	157.86	3,333.24	-595.74	242.43	643.18	0.00	0.00	0.00
3,500.00	12.12	157.86	3,431.01	-615.19	250.34	664.17	0.00	0.00	0.00
3,600.00	12.12	157.86	3,528.78	-634.63	258.25	685.17	0.00	0.00	0.00
3,700.00	12.12	157.86	3,626.56	-654.08	266.17	706.16	0.00	0.00	0.00
3,800.00	12.12	157.86	3,724.33	-673.52	274.08	727.15	0.00	0.00	0.00
3,900.00	12.12	157.86	3,822.10	-692.97	281.99	748.15	0.00	0.00	0.00
4,000.00	12.12	157.86	3,919.87	-712.41	289.91	769.14	0.00	0.00	0.00
4,100.00	12.12	157.86	4,017.64	-731.86	297.82	790.13	0.00	0.00	0.00
4,200.00	12.12	157.86	4,115.41	-751.30	305.73	811.13	0.00	0.00	0.00
4,247.65	12.12	157.86	4,162.00	-760.57	309.50	821.13	0.00	0.00	0.00
G Sand									
4,300.00	12.12	157.86	4,213.19	-770.75	313.64	832.12	0.00	0.00	0.00

<b>Database:</b>	Grand Junction District	<b>Local Co-ordinate Reference:</b>	Well TR 624-22-597 - Slot TR 624-22-597
<b>Company:</b>	TEP Rocky Mountain LLC	<b>TVD Reference:</b>	GL 8143 & RKB 24' @ 8167.00usft
<b>Project:</b>	Garfield County, CO NAD83	<b>MD Reference:</b>	GL 8143 & RKB 24' @ 8167.00usft
<b>Site:</b>	TR 23-22-597	<b>North Reference:</b>	True
<b>Well:</b>	TR 624-22-597	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #1 13Nov2018 mmsdi		

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)
4,339.70	12.12	157.86	4,252.00	-778.47	316.79	840.45	0.00	0.00	0.00
<b>G Sand Base</b>									
4,400.00	12.12	157.86	4,310.96	-790.19	321.56	853.11	0.00	0.00	0.00
4,431.75	12.12	157.86	4,342.00	-796.36	324.07	859.78	0.00	0.00	0.00
<b>FR UN</b>									
4,500.00	12.12	157.86	4,408.73	-809.64	329.47	874.10	0.00	0.00	0.00
4,600.00	12.12	157.86	4,506.50	-829.08	337.38	895.10	0.00	0.00	0.00
4,700.00	12.12	157.86	4,604.27	-848.52	345.29	916.09	0.00	0.00	0.00
4,800.00	12.12	157.86	4,702.04	-867.97	353.21	937.08	0.00	0.00	0.00
4,900.00	12.12	157.86	4,799.81	-887.41	361.12	958.08	0.00	0.00	0.00
5,000.00	12.12	157.86	4,897.59	-906.86	369.03	979.07	0.00	0.00	0.00
5,100.00	12.12	157.86	4,995.36	-926.30	376.95	1,000.06	0.00	0.00	0.00
5,200.00	12.12	157.86	5,093.13	-945.75	384.86	1,021.06	0.00	0.00	0.00
5,300.00	12.12	157.86	5,190.90	-965.19	392.77	1,042.05	0.00	0.00	0.00
5,400.00	12.12	157.86	5,288.67	-984.64	400.68	1,063.04	0.00	0.00	0.00
5,500.00	12.12	157.86	5,386.44	-1,004.08	408.60	1,084.04	0.00	0.00	0.00
5,600.00	12.12	157.86	5,484.22	-1,023.53	416.51	1,105.03	0.00	0.00	0.00
5,607.96	12.12	157.86	5,492.00	-1,025.07	417.14	1,106.70	0.00	0.00	0.00
<b>Ohio Creek</b>									
5,700.00	12.12	157.86	5,581.99	-1,042.97	424.42	1,126.02	0.00	0.00	0.00
5,800.00	12.12	157.86	5,679.76	-1,062.42	432.33	1,147.01	0.00	0.00	0.00
5,832.98	12.12	157.86	5,712.00	-1,068.83	434.94	1,153.94	0.00	0.00	0.00
<b>MVRD</b>									
5,900.00	12.12	157.86	5,777.53	-1,081.86	440.25	1,168.01	0.00	0.00	0.00
5,902.65	12.12	157.86	5,780.13	-1,082.38	440.46	1,168.56	0.00	0.00	0.00
<b>Start Drop -1.50</b>									
6,000.00	10.66	157.86	5,875.55	-1,100.18	447.70	1,187.79	1.50	-1.50	0.00
6,100.00	9.16	157.86	5,974.06	-1,116.12	454.19	1,204.99	1.50	-1.50	0.00
6,200.00	7.66	157.86	6,072.98	-1,129.66	459.70	1,219.61	1.50	-1.50	0.00
6,300.00	6.16	157.86	6,172.25	-1,140.80	464.23	1,231.64	1.50	-1.50	0.00
6,400.00	4.66	157.86	6,271.80	-1,149.53	467.78	1,241.07	1.50	-1.50	0.00
6,500.00	3.16	157.86	6,371.57	-1,155.84	470.35	1,247.88	1.50	-1.50	0.00
6,600.00	1.66	157.86	6,471.48	-1,159.74	471.94	1,252.08	1.50	-1.50	0.00
6,700.00	0.16	157.86	6,571.46	-1,161.20	472.53	1,253.67	1.50	-1.50	0.00
6,710.54	0.00	0.00	6,582.00	-1,161.22	472.54	1,253.68	1.50	-1.50	-1,498.00
<b>Start 2835.00 hold at 6710.54 MD - KMGAS - TR 624-22-597 KMV</b>									
6,800.00	0.00	0.00	6,671.46	-1,161.22	472.54	1,253.68	0.00	0.00	0.00
6,900.00	0.00	0.00	6,771.46	-1,161.22	472.54	1,253.68	0.00	0.00	0.00
7,000.00	0.00	0.00	6,871.46	-1,161.22	472.54	1,253.68	0.00	0.00	0.00
7,100.00	0.00	0.00	6,971.46	-1,161.22	472.54	1,253.68	0.00	0.00	0.00
7,200.00	0.00	0.00	7,071.46	-1,161.22	472.54	1,253.68	0.00	0.00	0.00
7,300.00	0.00	0.00	7,171.46	-1,161.22	472.54	1,253.68	0.00	0.00	0.00
7,400.00	0.00	0.00	7,271.46	-1,161.22	472.54	1,253.68	0.00	0.00	0.00
7,500.00	0.00	0.00	7,371.46	-1,161.22	472.54	1,253.68	0.00	0.00	0.00
7,600.00	0.00	0.00	7,471.46	-1,161.22	472.54	1,253.68	0.00	0.00	0.00
7,700.00	0.00	0.00	7,571.46	-1,161.22	472.54	1,253.68	0.00	0.00	0.00
7,800.00	0.00	0.00	7,671.46	-1,161.22	472.54	1,253.68	0.00	0.00	0.00
7,900.00	0.00	0.00	7,771.46	-1,161.22	472.54	1,253.68	0.00	0.00	0.00
8,000.00	0.00	0.00	7,871.46	-1,161.22	472.54	1,253.68	0.00	0.00	0.00
8,100.00	0.00	0.00	7,971.46	-1,161.22	472.54	1,253.68	0.00	0.00	0.00
8,200.00	0.00	0.00	8,071.46	-1,161.22	472.54	1,253.68	0.00	0.00	0.00
8,300.00	0.00	0.00	8,171.46	-1,161.22	472.54	1,253.68	0.00	0.00	0.00
8,400.00	0.00	0.00	8,271.46	-1,161.22	472.54	1,253.68	0.00	0.00	0.00

<b>Database:</b>	Grand Junction District	<b>Local Co-ordinate Reference:</b>	Well TR 624-22-597 - Slot TR 624-22-597
<b>Company:</b>	TEP Rocky Mountain LLC	<b>TVD Reference:</b>	GL 8143 & RKB 24' @ 8167.00usft
<b>Project:</b>	Garfield County, CO NAD83	<b>MD Reference:</b>	GL 8143 & RKB 24' @ 8167.00usft
<b>Site:</b>	TR 23-22-597	<b>North Reference:</b>	True
<b>Well:</b>	TR 624-22-597	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #1 13Nov2018 mmsdi		

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)
8,407.54	0.00	0.00	8,279.00	-1,161.22	472.54	1,253.68	0.00	0.00	0.00
<b>CME0</b>									
8,500.00	0.00	0.00	8,371.46	-1,161.22	472.54	1,253.68	0.00	0.00	0.00
8,600.00	0.00	0.00	8,471.46	-1,161.22	472.54	1,253.68	0.00	0.00	0.00
8,700.00	0.00	0.00	8,571.46	-1,161.22	472.54	1,253.68	0.00	0.00	0.00
8,737.54	0.00	0.00	8,609.00	-1,161.22	472.54	1,253.68	0.00	0.00	0.00
<b>RLNS</b>									
8,800.00	0.00	0.00	8,671.46	-1,161.22	472.54	1,253.68	0.00	0.00	0.00
8,900.00	0.00	0.00	8,771.46	-1,161.22	472.54	1,253.68	0.00	0.00	0.00
8,929.54	0.00	0.00	8,801.00	-1,161.22	472.54	1,253.68	0.00	0.00	0.00
<b>CZZT</b>									
9,000.00	0.00	0.00	8,871.46	-1,161.22	472.54	1,253.68	0.00	0.00	0.00
9,100.00	0.00	0.00	8,971.46	-1,161.22	472.54	1,253.68	0.00	0.00	0.00
9,157.54	0.00	0.00	9,029.00	-1,161.22	472.54	1,253.68	0.00	0.00	0.00
<b>CRCN</b>									
9,200.00	0.00	0.00	9,071.46	-1,161.22	472.54	1,253.68	0.00	0.00	0.00
9,300.00	0.00	0.00	9,171.46	-1,161.22	472.54	1,253.68	0.00	0.00	0.00
9,345.54	0.00	0.00	9,217.00	-1,161.22	472.54	1,253.68	0.00	0.00	0.00
<b>SEGO</b>									
9,400.00	0.00	0.00	9,271.46	-1,161.22	472.54	1,253.68	0.00	0.00	0.00
9,500.00	0.00	0.00	9,371.46	-1,161.22	472.54	1,253.68	0.00	0.00	0.00
9,545.54	0.00	0.00	9,417.00	-1,161.22	472.54	1,253.68	0.00	0.00	0.00
<b>TD at 9545.54 - TD - TR 624-22-597 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 624-22-597 KMV	0.00	0.00	6,582.00	-1,161.22	472.54	1,652,466.71	2,221,292.08	39.5922937	-108.2636206
- plan hits target center									
- Circle (radius 50.00)									
TR 624-22-597 PBHL	0.00	0.00	9,417.00	-1,161.22	472.54	1,652,466.71	2,221,292.08	39.5922937	-108.2636206
- plan hits target center									
- Point									

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (in)	Hole Diameter (in)	
2,747.21	2,695.00	9 5/8" Casing @ 2747.21' MD	9.62	13.50	

<b>Database:</b>	Grand Junction District	<b>Local Co-ordinate Reference:</b>	Well TR 624-22-597 - Slot TR 624-22-597
<b>Company:</b>	TEP Rocky Mountain LLC	<b>TVD Reference:</b>	GL 8143 & RKB 24' @ 8167.00usft
<b>Project:</b>	Garfield County, CO NAD83	<b>MD Reference:</b>	GL 8143 & RKB 24' @ 8167.00usft
<b>Site:</b>	TR 23-22-597	<b>North Reference:</b>	True
<b>Well:</b>	TR 624-22-597	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #1 13Nov2018 mmsdi		

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
2,644.93	2,595.00	Wasatch		0.00	0.00	
4,247.65	4,162.00	G Sand		0.00	0.00	
4,339.70	4,252.00	G Sand Base		0.00	0.00	
4,431.75	4,342.00	FR UN		0.00	0.00	
5,607.96	5,492.00	Ohio Creek		0.00	0.00	
5,832.98	5,712.00	MVRD		0.00	0.00	
6,710.54	6,582.00	KMVGAS		0.00	0.00	
8,407.54	8,279.00	CMEO		0.00	0.00	
8,737.54	8,609.00	RLNS		0.00	0.00	
8,929.54	8,801.00	CZZT		0.00	0.00	
9,157.54	9,029.00	CRCN		0.00	0.00	
9,345.54	9,217.00	SEGO		0.00	0.00	
9,545.54	9,417.00	TD		0.00	0.00	

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
135.00	135.00	0.00	0.00	Start Build 3.00	
538.94	535.94	-39.42	16.04	Start 5363.71 hold at 538.94 MD	
5,902.65	5,780.13	-1,082.38	440.46	Start Drop -1.50	
6,710.54	6,582.00	-1,161.22	472.54	Start 2835.00 hold at 6710.54 MD	
9,545.54	9,417.00	-1,161.22	472.54	TD at 9545.54	