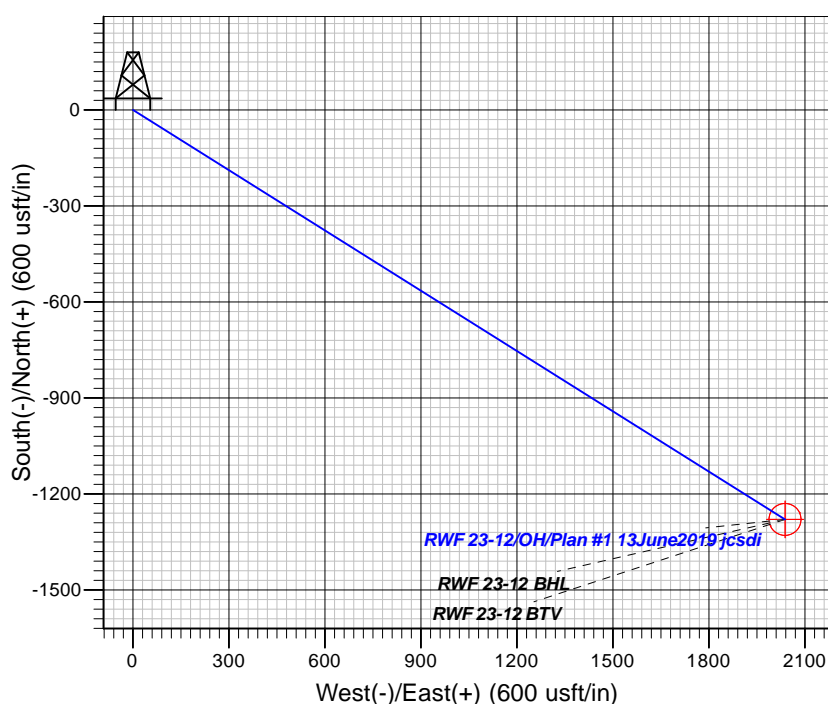
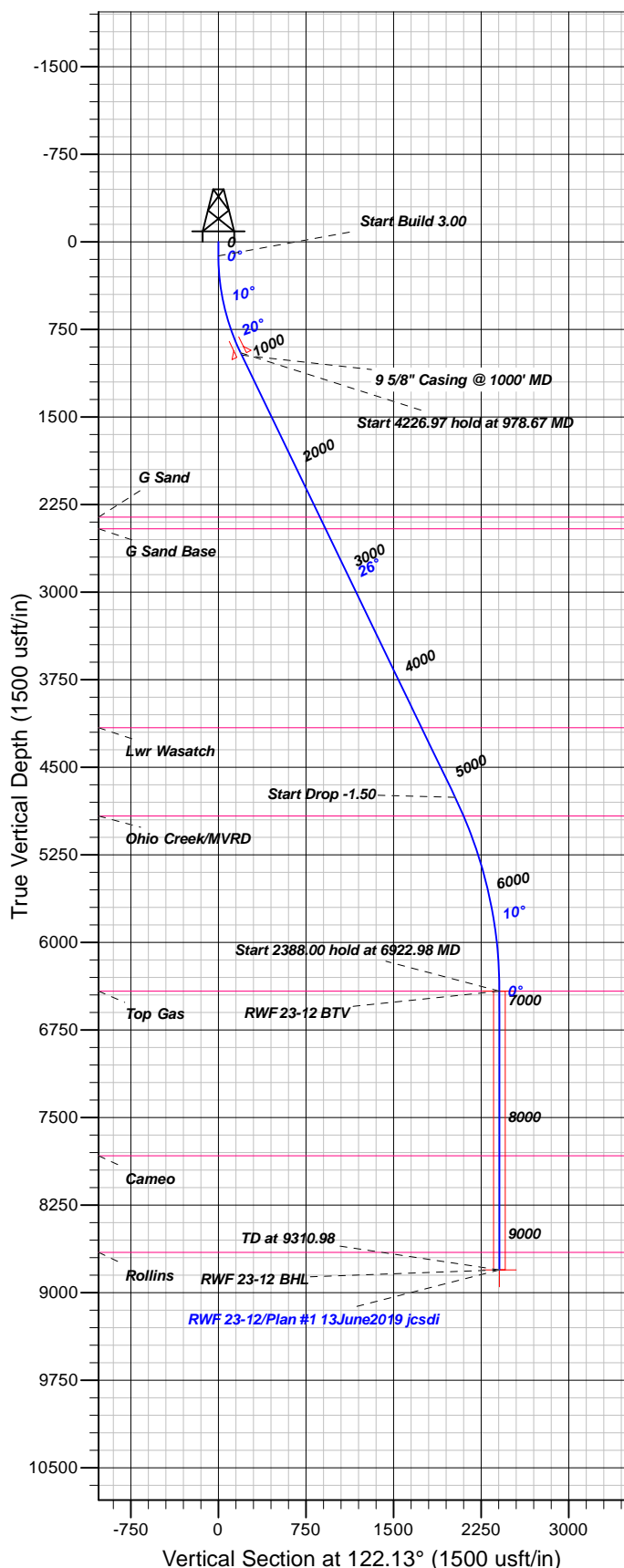




Azimuths to True North  
Magnetic North: 9.37°  
  
Magnetic Field  
Strength: 51377.5nT  
Dip Angle: 65.62°  
Date: 6/13/2019  
Model: BGGM2016

## Well Details: RWF 23-12

GL 5466.8' & RKB 24' @ 5490.80usft (H&P 318)						Slot
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	
0.00	0.00	1630797.20	2339698.60	39.5419586	-107.8416191	



## FORMATION TOP DETAILS

TVDPATH	MDPATH	FORMATION
2357.00	2540.89	G Sand
2457.00	2651.92	G Sand Base
4162.00	4545.06	Lwr Wasatch
4917.00	5381.48	Ohio Creek/MVRD
6417.00	6922.98	Top Gas
7828.00	8333.98	Cameo
8655.00	9160.98	Rollins

Plan: Plan #1 13June2019 jcsdi

12:25, June 18 2019  
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
969.24	1000.00	5/8" Casing @ 1000' 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	120.00	0.00	0.00	120.00	0.00	0.00	0.00	0.00	0.00	
3	978.67	25.76	122.13	950.03	-100.95	160.73	3.00	122.13	189.80	
4	5205.64	25.76	122.13	4756.93	-1078.01	1716.41	0.00	0.00	2026.86	
5	6922.98	0.00	0.00	6417.00	-1279.90	2037.86	1.50	180.00	2406.46	RWF 23-12 BTV
6	9310.98	0.00	0.00	8805.00	-1279.90	2037.86	0.00	0.00	2406.46	RWF 23-12 BHL

## DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
RWF 23-12 BTV	6417.00	-1279.90	2037.86	1629465.20	2341702.80	39.5384445	-107.8343934	Circle (Radius: 50.00)
- plan hits target center								
RWF 23-12 BHL	8805.00	-1279.90	2037.86	1629465.20	2341702.80	39.5384445	-107.8343934	Point
- plan hits target center								



# **TEP Rocky Mountain LLC**

**Garfield County, CO NAD83**

**RWF 12-12 Pad**

**RWF 23-12**

**OH**

**Plan: Plan #1 13June2019 jcsdi**

## **Standard Planning Report**

**18 June, 2019**



<b>Database:</b>	Grand Junction District	<b>Local Co-ordinate Reference:</b>	Well RWF 23-12
<b>Company:</b>	TEP Rocky Mountain LLC	<b>TVD Reference:</b>	GL 5466.8' & RKB 24' @ 5490.80usft (H&P 318)
<b>Project:</b>	Garfield County, CO NAD83	<b>MD Reference:</b>	GL 5466.8' & RKB 24' @ 5490.80usft (H&P 318)
<b>Site:</b>	RWF 12-12 Pad	<b>North Reference:</b>	True
<b>Well:</b>	RWF 23-12	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #1 13June2019 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>	RWF 12-12 Pad			
<b>Site Position:</b>		<b>Northing:</b>	1,630,797.20 usft	<b>Latitude:</b> 39.5419586
<b>From:</b> Map		<b>Easting:</b>	2,339,698.60 usft	<b>Longitude:</b> -107.8416191
<b>Position Uncertainty:</b>	0.00 usft	<b>Slot Radius:</b>	13.20 in	<b>Grid Convergence:</b> -1.48 °

<b>Well</b>	RWF 23-12			
<b>Well Position</b>	<b>+N/-S</b>	0.00 usft	<b>Northing:</b>	1,630,797.20 usft
	<b>+E/-W</b>	0.00 usft	<b>Easting:</b>	2,339,698.60 usft
<b>Position Uncertainty</b>	0.00 usft		<b>Wellhead Elevation:</b>	0.00 usft
			<b>Ground Level:</b>	5,466.80 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>
	BGGM2016	6/13/2019	9.37	65.62	51,378

<b>Design</b>	Plan #1 13June2019 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	122.13

<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	
120.00	0.00	0.00	120.00	0.00	0.00	0.00	0.00	0.00	0.00	
978.67	25.76	122.13	950.03	-100.95	160.73	3.00	3.00	0.00	122.13	
5,205.64	25.76	122.13	4,756.93	-1,078.01	1,716.41	0.00	0.00	0.00	0.00	
6,922.98	0.00	0.00	6,417.00	-1,279.90	2,037.86	1.50	-1.50	0.00	180.00	RWF 23-12 BTV
9,310.98	0.00	0.00	8,805.00	-1,279.90	2,037.86	0.00	0.00	0.00	0.00	RWF 23-12 BHL

<b>Database:</b>	Grand Junction District	<b>Local Co-ordinate Reference:</b>	Well RWF 23-12
<b>Company:</b>	TEP Rocky Mountain LLC	<b>TVD Reference:</b>	GL 5466.8' & RKB 24' @ 5490.80usft (H&P 318)
<b>Project:</b>	Garfield County, CO NAD83	<b>MD Reference:</b>	GL 5466.8' & RKB 24' @ 5490.80usft (H&P 318)
<b>Site:</b>	RWF 12-12 Pad	<b>North Reference:</b>	True
<b>Well:</b>	RWF 23-12	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #1 13June2019 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	
120.00	0.00	0.00	120.00	0.00	0.00	0.00	0.00	0.00	0.00	
Start Build 3.00										
200.00	2.40	122.13	199.98	-0.89	1.42	1.68	3.00	3.00	0.00	
300.00	5.40	122.13	299.73	-4.51	7.18	8.48	3.00	3.00	0.00	
400.00	8.40	122.13	399.00	-10.90	17.35	20.49	3.00	3.00	0.00	
500.00	11.40	122.13	497.50	-20.04	31.91	37.68	3.00	3.00	0.00	
600.00	14.40	122.13	594.96	-31.91	50.81	60.00	3.00	3.00	0.00	
700.00	17.40	122.13	691.13	-46.48	74.01	87.39	3.00	3.00	0.00	
800.00	20.40	122.13	785.72	-63.71	101.44	119.78	3.00	3.00	0.00	
900.00	23.40	122.13	878.50	-83.54	133.02	157.08	3.00	3.00	0.00	
978.67	25.76	122.13	950.03	-100.95	160.73	189.80	3.00	3.00	0.00	
Start 4226.97 hold at 978.67 MD										
1,000.00	25.76	122.13	969.24	-105.88	168.58	199.07	0.00	0.00	0.00	
9 5/8" Casing @ 1000' MD										
1,100.00	25.76	122.13	1,059.30	-128.99	205.38	242.53	0.00	0.00	0.00	
1,200.00	25.76	122.13	1,149.37	-152.11	242.18	285.99	0.00	0.00	0.00	
1,300.00	25.76	122.13	1,239.43	-175.22	278.99	329.45	0.00	0.00	0.00	
1,400.00	25.76	122.13	1,329.49	-198.34	315.79	372.91	0.00	0.00	0.00	
1,500.00	25.76	122.13	1,419.55	-221.45	352.60	416.37	0.00	0.00	0.00	
1,600.00	25.76	122.13	1,509.62	-244.57	389.40	459.83	0.00	0.00	0.00	
1,700.00	25.76	122.13	1,599.68	-267.68	426.20	503.29	0.00	0.00	0.00	
1,800.00	25.76	122.13	1,689.74	-290.80	463.01	546.75	0.00	0.00	0.00	
1,900.00	25.76	122.13	1,779.80	-313.91	499.81	590.21	0.00	0.00	0.00	
2,000.00	25.76	122.13	1,869.86	-337.03	536.61	633.67	0.00	0.00	0.00	
2,100.00	25.76	122.13	1,959.93	-360.14	573.42	677.13	0.00	0.00	0.00	
2,200.00	25.76	122.13	2,049.99	-383.26	610.22	720.59	0.00	0.00	0.00	
2,300.00	25.76	122.13	2,140.05	-406.37	647.03	764.05	0.00	0.00	0.00	
2,400.00	25.76	122.13	2,230.11	-429.49	683.83	807.52	0.00	0.00	0.00	
2,500.00	25.76	122.13	2,320.17	-452.60	720.63	850.98	0.00	0.00	0.00	
2,540.89	25.76	122.13	2,357.00	-462.05	735.68	868.75	0.00	0.00	0.00	
G Sand										
2,600.00	25.76	122.13	2,410.24	-475.72	757.44	894.44	0.00	0.00	0.00	
2,651.92	25.76	122.13	2,457.00	-487.72	776.55	917.00	0.00	0.00	0.00	
G Sand Base										
2,700.00	25.76	122.13	2,500.30	-498.83	794.24	937.90	0.00	0.00	0.00	
2,800.00	25.76	122.13	2,590.36	-521.95	831.04	981.36	0.00	0.00	0.00	
2,900.00	25.76	122.13	2,680.42	-545.06	867.85	1,024.82	0.00	0.00	0.00	
3,000.00	25.76	122.13	2,770.49	-568.18	904.65	1,068.28	0.00	0.00	0.00	
3,100.00	25.76	122.13	2,860.55	-591.29	941.45	1,111.74	0.00	0.00	0.00	
3,200.00	25.76	122.13	2,950.61	-614.41	978.26	1,155.20	0.00	0.00	0.00	
3,300.00	25.76	122.13	3,040.67	-637.52	1,015.06	1,198.66	0.00	0.00	0.00	
3,400.00	25.76	122.13	3,130.73	-660.64	1,051.87	1,242.12	0.00	0.00	0.00	
3,500.00	25.76	122.13	3,220.80	-683.75	1,088.67	1,285.58	0.00	0.00	0.00	
3,600.00	25.76	122.13	3,310.86	-706.87	1,125.47	1,329.04	0.00	0.00	0.00	
3,700.00	25.76	122.13	3,400.92	-729.98	1,162.28	1,372.50	0.00	0.00	0.00	
3,800.00	25.76	122.13	3,490.98	-753.10	1,199.08	1,415.96	0.00	0.00	0.00	
3,900.00	25.76	122.13	3,581.04	-776.21	1,235.88	1,459.42	0.00	0.00	0.00	
4,000.00	25.76	122.13	3,671.11	-799.33	1,272.69	1,502.88	0.00	0.00	0.00	
4,100.00	25.76	122.13	3,761.17	-822.44	1,309.49	1,546.34	0.00	0.00	0.00	

<b>Database:</b>	Grand Junction District	<b>Local Co-ordinate Reference:</b>	Well RWF 23-12
<b>Company:</b>	TEP Rocky Mountain LLC	<b>TVD Reference:</b>	GL 5466.8' & RKB 24' @ 5490.80usft (H&P 318)
<b>Project:</b>	Garfield County, CO NAD83	<b>MD Reference:</b>	GL 5466.8' & RKB 24' @ 5490.80usft (H&P 318)
<b>Site:</b>	RWF 12-12 Pad	<b>North Reference:</b>	True
<b>Well:</b>	RWF 23-12	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #1 13June2019 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)	
4,200.00	25.76	122.13	3,851.23	-845.56	1,346.30	1,589.80	0.00	0.00	0.00	
4,300.00	25.76	122.13	3,941.29	-868.67	1,383.10	1,633.26	0.00	0.00	0.00	
4,400.00	25.76	122.13	4,031.36	-891.79	1,419.90	1,676.72	0.00	0.00	0.00	
4,500.00	25.76	122.13	4,121.42	-914.90	1,456.71	1,720.19	0.00	0.00	0.00	
4,545.06	25.76	122.13	4,162.00	-925.32	1,473.29	1,739.77	0.00	0.00	0.00	
<b>Lwr Wasatch</b>										
4,600.00	25.76	122.13	4,211.48	-938.02	1,493.51	1,763.65	0.00	0.00	0.00	
4,700.00	25.76	122.13	4,301.54	-961.13	1,530.31	1,807.11	0.00	0.00	0.00	
4,800.00	25.76	122.13	4,391.60	-984.25	1,567.12	1,850.57	0.00	0.00	0.00	
4,900.00	25.76	122.13	4,481.67	-1,007.36	1,603.92	1,894.03	0.00	0.00	0.00	
5,000.00	25.76	122.13	4,571.73	-1,030.48	1,640.72	1,937.49	0.00	0.00	0.00	
5,100.00	25.76	122.13	4,661.79	-1,053.59	1,677.53	1,980.95	0.00	0.00	0.00	
5,200.00	25.76	122.13	4,751.85	-1,076.71	1,714.33	2,024.41	0.00	0.00	0.00	
5,205.64	25.76	122.13	4,756.93	-1,078.01	1,716.41	2,026.86	0.00	0.00	0.00	
<b>Start Drop -1.50</b>										
5,300.00	24.34	122.13	4,842.41	-1,099.26	1,750.24	2,066.82	1.50	-1.50	0.00	
5,381.48	23.12	122.13	4,917.00	-1,116.70	1,778.01	2,099.61	1.50	-1.50	0.00	
<b>Ohio Creek/MVRD</b>										
5,400.00	22.84	122.13	4,934.05	-1,120.55	1,784.14	2,106.84	1.50	-1.50	0.00	
5,500.00	21.34	122.13	5,026.70	-1,140.55	1,815.99	2,144.45	1.50	-1.50	0.00	
5,600.00	19.84	122.13	5,120.31	-1,159.26	1,845.78	2,179.63	1.50	-1.50	0.00	
5,700.00	18.34	122.13	5,214.81	-1,176.66	1,873.48	2,212.34	1.50	-1.50	0.00	
5,800.00	16.84	122.13	5,310.12	-1,192.74	1,899.08	2,242.57	1.50	-1.50	0.00	
5,900.00	15.34	122.13	5,406.20	-1,207.48	1,922.55	2,270.29	1.50	-1.50	0.00	
6,000.00	13.84	122.13	5,502.97	-1,220.88	1,943.89	2,295.49	1.50	-1.50	0.00	
6,100.00	12.34	122.13	5,600.37	-1,232.93	1,963.07	2,318.14	1.50	-1.50	0.00	
6,200.00	10.84	122.13	5,698.33	-1,243.62	1,980.09	2,338.24	1.50	-1.50	0.00	
6,300.00	9.34	122.13	5,796.78	-1,252.94	1,994.94	2,355.77	1.50	-1.50	0.00	
6,400.00	7.84	122.13	5,895.65	-1,260.89	2,007.59	2,370.71	1.50	-1.50	0.00	
6,500.00	6.34	122.13	5,994.88	-1,267.46	2,018.05	2,383.06	1.50	-1.50	0.00	
6,600.00	4.84	122.13	6,094.40	-1,272.65	2,026.31	2,392.81	1.50	-1.50	0.00	
6,700.00	3.34	122.13	6,194.14	-1,276.44	2,032.35	2,399.95	1.50	-1.50	0.00	
6,800.00	1.84	122.13	6,294.04	-1,278.85	2,036.19	2,404.48	1.50	-1.50	0.00	
6,900.00	0.34	122.13	6,394.02	-1,279.87	2,037.81	2,406.39	1.50	-1.50	0.00	
6,922.98	0.00	0.00	6,417.00	-1,279.90	2,037.86	2,406.46	1.50	-1.50	0.00	
<b>Start 2388.00 hold at 6922.98 MD - Top Gas - RWF 23-12 BTV</b>										
7,000.00	0.00	0.00	6,494.02	-1,279.90	2,037.86	2,406.46	0.00	0.00	0.00	
7,100.00	0.00	0.00	6,594.02	-1,279.90	2,037.86	2,406.46	0.00	0.00	0.00	
7,200.00	0.00	0.00	6,694.02	-1,279.90	2,037.86	2,406.46	0.00	0.00	0.00	
7,300.00	0.00	0.00	6,794.02	-1,279.90	2,037.86	2,406.46	0.00	0.00	0.00	
7,400.00	0.00	0.00	6,894.02	-1,279.90	2,037.86	2,406.46	0.00	0.00	0.00	
7,500.00	0.00	0.00	6,994.02	-1,279.90	2,037.86	2,406.46	0.00	0.00	0.00	
7,600.00	0.00	0.00	7,094.02	-1,279.90	2,037.86	2,406.46	0.00	0.00	0.00	
7,700.00	0.00	0.00	7,194.02	-1,279.90	2,037.86	2,406.46	0.00	0.00	0.00	
7,800.00	0.00	0.00	7,294.02	-1,279.90	2,037.86	2,406.46	0.00	0.00	0.00	
7,900.00	0.00	0.00	7,394.02	-1,279.90	2,037.86	2,406.46	0.00	0.00	0.00	
8,000.00	0.00	0.00	7,494.02	-1,279.90	2,037.86	2,406.46	0.00	0.00	0.00	
8,100.00	0.00	0.00	7,594.02	-1,279.90	2,037.86	2,406.46	0.00	0.00	0.00	
8,200.00	0.00	0.00	7,694.02	-1,279.90	2,037.86	2,406.46	0.00	0.00	0.00	
8,300.00	0.00	0.00	7,794.02	-1,279.90	2,037.86	2,406.46	0.00	0.00	0.00	
8,333.98	0.00	0.00	7,828.00	-1,279.90	2,037.86	2,406.46	0.00	0.00	0.00	

<b>Database:</b>	Grand Junction District	<b>Local Co-ordinate Reference:</b>	Well RWF 23-12
<b>Company:</b>	TEP Rocky Mountain LLC	<b>TVD Reference:</b>	GL 5466.8' & RKB 24' @ 5490.80usft (H&P 318)
<b>Project:</b>	Garfield County, CO NAD83	<b>MD Reference:</b>	GL 5466.8' & RKB 24' @ 5490.80usft (H&P 318)
<b>Site:</b>	RWF 12-12 Pad	<b>North Reference:</b>	True
<b>Well:</b>	RWF 23-12	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #1 13June2019 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)
<b>Cameo</b>									
8,400.00	0.00	0.00	7,894.02	-1,279.90	2,037.86	2,406.46	0.00	0.00	0.00
8,500.00	0.00	0.00	7,994.02	-1,279.90	2,037.86	2,406.46	0.00	0.00	0.00
8,600.00	0.00	0.00	8,094.02	-1,279.90	2,037.86	2,406.46	0.00	0.00	0.00
8,700.00	0.00	0.00	8,194.02	-1,279.90	2,037.86	2,406.46	0.00	0.00	0.00
8,800.00	0.00	0.00	8,294.02	-1,279.90	2,037.86	2,406.46	0.00	0.00	0.00
8,900.00	0.00	0.00	8,394.02	-1,279.90	2,037.86	2,406.46	0.00	0.00	0.00
9,000.00	0.00	0.00	8,494.02	-1,279.90	2,037.86	2,406.46	0.00	0.00	0.00
9,100.00	0.00	0.00	8,594.02	-1,279.90	2,037.86	2,406.46	0.00	0.00	0.00
9,160.98	0.00	0.00	8,655.00	-1,279.90	2,037.86	2,406.46	0.00	0.00	0.00
<b>Rollins</b>									
9,200.00	0.00	0.00	8,694.02	-1,279.90	2,037.86	2,406.46	0.00	0.00	0.00
9,300.00	0.00	0.00	8,794.02	-1,279.90	2,037.86	2,406.46	0.00	0.00	0.00
9,310.98	0.00	0.00	8,805.00	-1,279.90	2,037.86	2,406.46	0.00	0.00	0.00
<b>TD at 9310.98 - RWF 23-12 BHL</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									
RWF 23-12 BTV	0.00	0.00	6,417.00	-1,279.90	2,037.86	1,629,465.20	2,341,702.80	39.5384445	-107.8343934
- plan hits target center									
- Circle (radius 50.00)									
RWF 23-12 BHL	0.00	0.00	8,805.00	-1,279.90	2,037.86	1,629,465.20	2,341,702.80	39.5384445	-107.8343934
- plan hits target center									
- Point									

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (in)	Hole Diameter (in)	
1,000.00	969.24	9 5/8" Casing @ 1000' MD	9.62	12.25	

Formations					
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
2,540.89	2,357.00	G Sand		0.00	0.00
2,651.92	2,457.00	G Sand Base		0.00	0.00
4,545.06	4,162.00	Lwr Wasatch		0.00	0.00
5,381.48	4,917.00	Ohio Creek/MVRD		0.00	0.00
6,922.98	6,417.00	Top Gas		0.00	0.00
8,333.98	7,828.00	Cameo		0.00	0.00
9,160.98	8,655.00	Rollins		0.00	0.00

<b>Database:</b>	Grand Junction District	<b>Local Co-ordinate Reference:</b>	Well RWF 23-12
<b>Company:</b>	TEP Rocky Mountain LLC	<b>TVD Reference:</b>	GL 5466.8' & RKB 24' @ 5490.80usft (H&P 318)
<b>Project:</b>	Garfield County, CO NAD83	<b>MD Reference:</b>	GL 5466.8' & RKB 24' @ 5490.80usft (H&P 318)
<b>Site:</b>	RWF 12-12 Pad	<b>North Reference:</b>	True
<b>Well:</b>	RWF 23-12	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #1 13June2019 jcsdi		

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
120.00	120.00	0.00	0.00	Start Build 3.00
978.67	950.03	-100.95	160.73	Start 4226.97 hold at 978.67 MD
5,205.64	4,756.93	-1,078.01	1,716.41	Start Drop -1.50
6,922.98	6,417.00	-1,279.90	2,037.86	Start 2388.00 hold at 6922.98 MD
9,310.98	8,805.00	-1,279.90	2,037.86	TD at 9310.98