



TEP Rocky Mountain LLC

Garfield Co., CO (NAD83)

WMC 24-17 Pad

WMC 13-20 - Slot WMC 13-20

OH

Plan: Plan #1

Standard Planning Report

07 October, 2020





Project: Garfield Co., CO (NAD83)
 Site: WMC 24-17 Pad
 Well: WMC 13-20
 Wellbore: OH
 Design: Plan #1
 Lat: 39.439072
 Long: -107.799499
 GL: 8868.00
 KB: KB=24' @ 8892.00usft



WELL DETAILS: WMC 13-20

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	WMC 13-20
0.00	0.00	1593030.60	2350624.80	39.439072	-107.799499	

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
WMC 13-20 KMW	8812.00	-3034.67	-1220.69	1590027.80	2349327.70	Circle (Radius: 50.00)
WMC 13-20 PBHL	10962.00	-3034.67	-1220.69	1590027.80	2349327.70	Point

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSeet	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
320.00	0.00	0.00	320.00	0.00	0.00	0.00	0.00	0.00	Start Build 3.00
1128.36	24.25	201.91	1104.44	-156.36	-62.89	3.00	201.91	168.53	Start 6732.81 hold at 1128.36 MD
7861.17	24.25	201.91	7243.12	-2721.95	-1094.90	0.00	0.00	2933.91	Start Drop -1.50
9477.89	0.00	0.00	8812.00	-3034.67	-1220.69	1.50	180.00	3270.97	Start 2150.00 hold at 9477.89 MD
11627.89	0.00	0.00	10962.00	-3034.67	-1220.69	0.00	0.00	3270.97	TD at 11627.89

CASING DETAILS

TVD	MD	Name	Size
1078.50	1100.00	9 5/8"	9-5/8

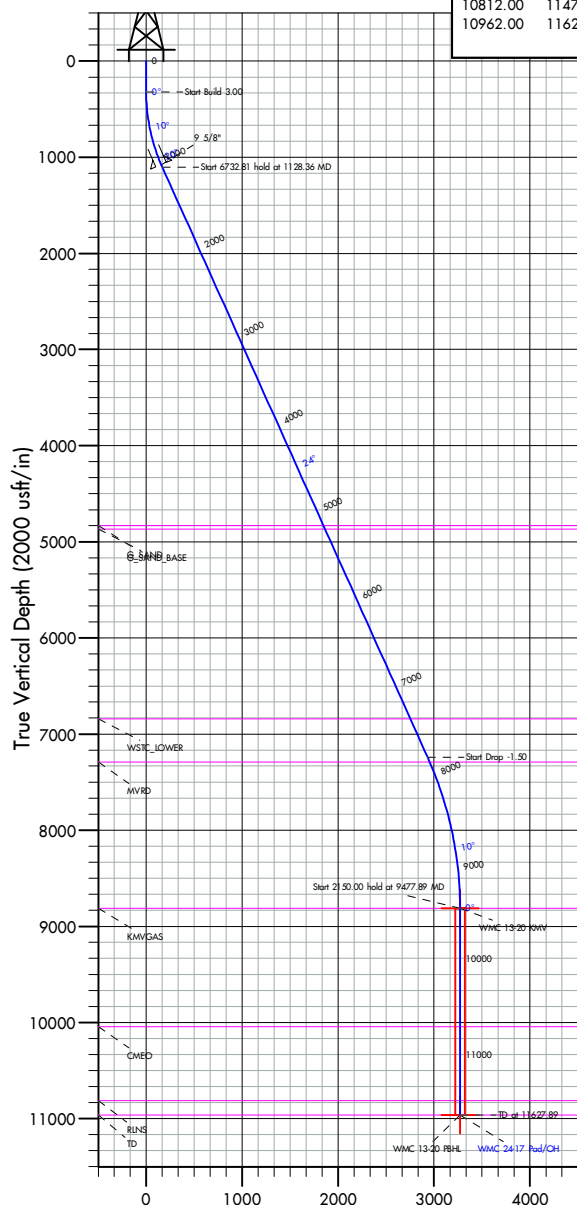
FORMATION TOP DETAILS

TVDPath	MDPath	Formation
4832.00	5216.69	G_SAND
4868.00	5256.17	G_SAND_BASE
6842.00	7421.23	WSTC_LOWER
7292.00	7914.61	MVRD
8812.00	9477.89	KMVGAS
10042.00	10707.89	CMEQ
10812.00	11477.89	RLNS
10962.00	11627.89	TD

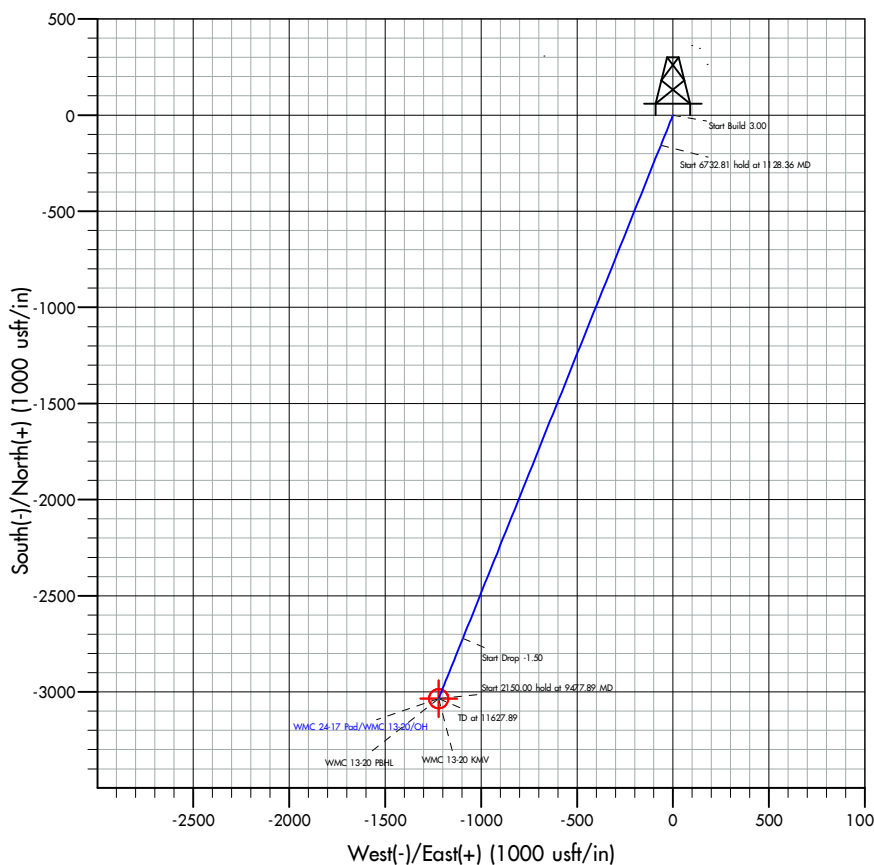


Azimuths to True North
 Magnetic North: 8.93°

Magnetic Field
 Strength: 51314.3nT
 Dip Angle: 65.48°
 Date: 9/2/2020
 Model: HDGM2020



Vertical Section at 201.91° (2000 usft/in)



Plan: Plan #1 (WMC 13-20/OH)

Created By: Dusty Mayer

Date: 12:33, October 07, 2020

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well WMC 13-20 - Slot WMC 13-20
Company:	TEP Rocky Mountain LLC	TVD Reference:	KB=24' @ 8892.00usft
Project:	Garfield Co., CO (NAD83)	MD Reference:	KB=24' @ 8892.00usft
Site:	WMC 24-17 Pad	North Reference:	True
Well:	WMC 13-20	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Project	Garfield Co., CO (NAD83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Central Zone		

Site		WMC 24-17 Pad			
Site Position:		Northing:	1,593,032.70 usft	Latitude:	39.439076
From:	Map	Easting:	2,350,593.20 usft	Longitude:	-107.799611
Position Uncertainty:		0.00 usft	Slot Radius:	13-3/16 "	

Well		WMC 13-20 - Slot WMC 13-20				
Well Position	+N/-S	0.00 usft	Northing:	1,593,030.60 usft	Latitude:	39.439072
	+E/-W	0.00 usft	Easting:	2,350,624.80 usft	Longitude:	-107.799499
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	8,868.00 usft
Grid Convergence:	-1.45 °					

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2020	9/2/2020	8.93	65.48	51,314.30000000

Design	Plan #1				
Audit Notes:					
Version:		Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	201.91	

Plan Survey Tool Program	Date	10/7/2020			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.00	11,627.89 Plan #1 (OH)	MWD+ HGDM		
			OWSG MWD + HGDM		

Plan Sections										
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	
320.00	0.00	0.00	320.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,128.36	24.25	201.91	1,104.44	-156.36	-62.89	3.00	3.00	0.00	201.91	
7,861.17	24.25	201.91	7,243.12	-2,721.95	-1,094.90	0.00	0.00	0.00	0.00	
9,477.89	0.00	0.00	8,812.00	-3,034.67	-1,220.69	1.50	-1.50	0.00	180.00	WMC 13-20 KMV
11,627.89	0.00	0.00	10,962.00	-3,034.67	-1,220.69	0.00	0.00	0.00	0.00	WMC 13-20 PBHL

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Project:	Garfield Co., CO (NAD83)	MD Reference:	KB=24' @ 8892.00usft
Site:	WMC 24-17 Pad	North Reference:	True
Well:	WMC 13-20	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

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
200.00	0.00	0.00	200.00	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
320.00	0.00	0.00	320.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 3.00									
400.00	2.40	201.91	399.98	-1.55	-0.63	1.68	3.00	3.00	0.00
500.00	5.40	201.91	499.73	-7.86	-3.16	8.48	3.00	3.00	0.00
600.00	8.40	201.91	599.00	-19.01	-7.65	20.49	3.00	3.00	0.00
700.00	11.40	201.91	697.50	-34.96	-14.06	37.68	3.00	3.00	0.00
800.00	14.40	201.91	794.96	-55.67	-22.39	60.00	3.00	3.00	0.00
900.00	17.40	201.91	891.13	-81.08	-32.61	87.39	3.00	3.00	0.00
1,000.00	20.40	201.91	985.72	-111.13	-44.70	119.78	3.00	3.00	0.00
1,100.00	23.40	201.91	1,078.50	-145.73	-58.62	157.08	3.00	3.00	0.00
9 5/8"									
1,128.36	24.25	201.91	1,104.44	-156.36	-62.89	168.53	3.00	3.00	0.00
Start 6732.81 hold at 1128.36 MD									
1,200.00	24.25	201.91	1,169.76	-183.66	-73.88	197.96	0.00	0.00	0.00
1,300.00	24.25	201.91	1,260.93	-221.76	-89.20	239.03	0.00	0.00	0.00
1,400.00	24.25	201.91	1,352.11	-259.87	-104.53	280.10	0.00	0.00	0.00
1,500.00	24.25	201.91	1,443.28	-297.97	-119.86	321.18	0.00	0.00	0.00
1,600.00	24.25	201.91	1,534.46	-336.08	-135.19	362.25	0.00	0.00	0.00
1,700.00	24.25	201.91	1,625.64	-374.19	-150.52	403.32	0.00	0.00	0.00
1,800.00	24.25	201.91	1,716.81	-412.29	-165.84	444.40	0.00	0.00	0.00
1,900.00	24.25	201.91	1,807.99	-450.40	-181.17	485.47	0.00	0.00	0.00
2,000.00	24.25	201.91	1,899.16	-488.50	-196.50	526.54	0.00	0.00	0.00
2,100.00	24.25	201.91	1,990.34	-526.61	-211.83	567.62	0.00	0.00	0.00
2,200.00	24.25	201.91	2,081.51	-564.72	-227.15	608.69	0.00	0.00	0.00
2,300.00	24.25	201.91	2,172.69	-602.82	-242.48	649.76	0.00	0.00	0.00
2,400.00	24.25	201.91	2,263.87	-640.93	-257.81	690.84	0.00	0.00	0.00
2,500.00	24.25	201.91	2,355.04	-679.03	-273.14	731.91	0.00	0.00	0.00
2,600.00	24.25	201.91	2,446.22	-717.14	-288.47	772.98	0.00	0.00	0.00
2,700.00	24.25	201.91	2,537.39	-755.24	-303.79	814.05	0.00	0.00	0.00
2,800.00	24.25	201.91	2,628.57	-793.35	-319.12	855.13	0.00	0.00	0.00
2,900.00	24.25	201.91	2,719.74	-831.46	-334.45	896.20	0.00	0.00	0.00
3,000.00	24.25	201.91	2,810.92	-869.56	-349.78	937.27	0.00	0.00	0.00
3,100.00	24.25	201.91	2,902.10	-907.67	-365.11	978.35	0.00	0.00	0.00
3,200.00	24.25	201.91	2,993.27	-945.77	-380.43	1,019.42	0.00	0.00	0.00
3,300.00	24.25	201.91	3,084.45	-983.88	-395.76	1,060.49	0.00	0.00	0.00
3,400.00	24.25	201.91	3,175.62	-1,021.99	-411.09	1,101.57	0.00	0.00	0.00
3,500.00	24.25	201.91	3,266.80	-1,060.09	-426.42	1,142.64	0.00	0.00	0.00
3,600.00	24.25	201.91	3,357.97	-1,098.20	-441.75	1,183.71	0.00	0.00	0.00
3,700.00	24.25	201.91	3,449.15	-1,136.30	-457.07	1,224.79	0.00	0.00	0.00
3,800.00	24.25	201.91	3,540.32	-1,174.41	-472.40	1,265.86	0.00	0.00	0.00
3,900.00	24.25	201.91	3,631.50	-1,212.51	-487.73	1,306.93	0.00	0.00	0.00
4,000.00	24.25	201.91	3,722.68	-1,250.62	-503.06	1,348.01	0.00	0.00	0.00
4,100.00	24.25	201.91	3,813.85	-1,288.73	-518.39	1,389.08	0.00	0.00	0.00
4,200.00	24.25	201.91	3,905.03	-1,326.83	-533.71	1,430.15	0.00	0.00	0.00
4,300.00	24.25	201.91	3,996.20	-1,364.94	-549.04	1,471.23	0.00	0.00	0.00
4,400.00	24.25	201.91	4,087.38	-1,403.04	-564.37	1,512.30	0.00	0.00	0.00
4,500.00	24.25	201.91	4,178.55	-1,441.15	-579.70	1,553.37	0.00	0.00	0.00
4,600.00	24.25	201.91	4,269.73	-1,479.26	-595.03	1,594.44	0.00	0.00	0.00
4,700.00	24.25	201.91	4,360.91	-1,517.36	-610.35	1,635.52	0.00	0.00	0.00

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Site:	WMC 24-17 Pad	North Reference:	True
Well:	WMC 13-20	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

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)
4,800.00	24.25	201.91	4,452.08	-1,555.47	-625.68	1,676.59	0.00	0.00	0.00
4,900.00	24.25	201.91	4,543.26	-1,593.57	-641.01	1,717.66	0.00	0.00	0.00
5,000.00	24.25	201.91	4,634.43	-1,631.68	-656.34	1,758.74	0.00	0.00	0.00
5,100.00	24.25	201.91	4,725.61	-1,669.78	-671.67	1,799.81	0.00	0.00	0.00
5,200.00	24.25	201.91	4,816.78	-1,707.89	-686.99	1,840.88	0.00	0.00	0.00
5,216.69	24.25	201.91	4,832.00	-1,714.25	-689.55	1,847.74	0.00	0.00	0.00
G_SAND									
5,256.17	24.25	201.91	4,868.00	-1,729.30	-695.60	1,863.96	0.00	0.00	0.00
G_SAND_BASE									
5,300.00	24.25	201.91	4,907.96	-1,746.00	-702.32	1,881.96	0.00	0.00	0.00
5,400.00	24.25	201.91	4,999.13	-1,784.10	-717.65	1,923.03	0.00	0.00	0.00
5,500.00	24.25	201.91	5,090.31	-1,822.21	-732.98	1,964.10	0.00	0.00	0.00
5,600.00	24.25	201.91	5,181.49	-1,860.31	-748.31	2,005.18	0.00	0.00	0.00
5,700.00	24.25	201.91	5,272.66	-1,898.42	-763.63	2,046.25	0.00	0.00	0.00
5,800.00	24.25	201.91	5,363.84	-1,936.53	-778.96	2,087.32	0.00	0.00	0.00
5,900.00	24.25	201.91	5,455.01	-1,974.63	-794.29	2,128.40	0.00	0.00	0.00
6,000.00	24.25	201.91	5,546.19	-2,012.74	-809.62	2,169.47	0.00	0.00	0.00
6,100.00	24.25	201.91	5,637.36	-2,050.84	-824.95	2,210.54	0.00	0.00	0.00
6,200.00	24.25	201.91	5,728.54	-2,088.95	-840.27	2,251.61	0.00	0.00	0.00
6,300.00	24.25	201.91	5,819.72	-2,127.06	-855.60	2,292.69	0.00	0.00	0.00
6,400.00	24.25	201.91	5,910.89	-2,165.16	-870.93	2,333.76	0.00	0.00	0.00
6,500.00	24.25	201.91	6,002.07	-2,203.27	-886.26	2,374.83	0.00	0.00	0.00
6,600.00	24.25	201.91	6,093.24	-2,241.37	-901.59	2,415.91	0.00	0.00	0.00
6,700.00	24.25	201.91	6,184.42	-2,279.48	-916.91	2,456.98	0.00	0.00	0.00
6,800.00	24.25	201.91	6,275.59	-2,317.58	-932.24	2,498.05	0.00	0.00	0.00
6,900.00	24.25	201.91	6,366.77	-2,355.69	-947.57	2,539.13	0.00	0.00	0.00
7,000.00	24.25	201.91	6,457.95	-2,393.80	-962.90	2,580.20	0.00	0.00	0.00
7,100.00	24.25	201.91	6,549.12	-2,431.90	-978.23	2,621.27	0.00	0.00	0.00
7,200.00	24.25	201.91	6,640.30	-2,470.01	-993.55	2,662.35	0.00	0.00	0.00
7,300.00	24.25	201.91	6,731.47	-2,508.11	-1,008.88	2,703.42	0.00	0.00	0.00
7,400.00	24.25	201.91	6,822.65	-2,546.22	-1,024.21	2,744.49	0.00	0.00	0.00
7,421.23	24.25	201.91	6,842.00	-2,554.31	-1,027.46	2,753.21	0.00	0.00	0.00
WSTC_LOWER									
7,500.00	24.25	201.91	6,913.82	-2,584.33	-1,039.54	2,785.57	0.00	0.00	0.00
7,600.00	24.25	201.91	7,005.00	-2,622.43	-1,054.87	2,826.64	0.00	0.00	0.00
7,700.00	24.25	201.91	7,096.17	-2,660.54	-1,070.19	2,867.71	0.00	0.00	0.00
7,800.00	24.25	201.91	7,187.35	-2,698.64	-1,085.52	2,908.78	0.00	0.00	0.00
7,861.17	24.25	201.91	7,243.12	-2,721.95	-1,094.90	2,933.91	0.00	0.00	0.00
Start Drop -1.50									
7,900.00	23.67	201.91	7,278.61	-2,736.58	-1,100.78	2,949.68	1.50	-1.50	0.00
7,914.61	23.45	201.91	7,292.00	-2,742.00	-1,102.96	2,955.52	1.50	-1.50	0.00
MVRD									
8,000.00	22.17	201.91	7,370.71	-2,772.71	-1,115.31	2,988.62	1.50	-1.50	0.00
8,100.00	20.67	201.91	7,463.80	-2,806.59	-1,128.94	3,025.14	1.50	-1.50	0.00
8,200.00	19.17	201.91	7,557.82	-2,838.19	-1,141.65	3,059.20	1.50	-1.50	0.00
8,300.00	17.67	201.91	7,652.69	-2,867.51	-1,153.45	3,090.80	1.50	-1.50	0.00
8,400.00	16.17	201.91	7,748.36	-2,894.50	-1,164.31	3,119.90	1.50	-1.50	0.00
8,500.00	14.67	201.91	7,844.76	-2,919.17	-1,174.23	3,146.48	1.50	-1.50	0.00
8,600.00	13.17	201.91	7,941.82	-2,941.48	-1,183.20	3,170.54	1.50	-1.50	0.00
8,700.00	11.67	201.91	8,039.48	-2,961.43	-1,191.23	3,192.04	1.50	-1.50	0.00
8,800.00	10.17	201.91	8,137.66	-2,979.01	-1,198.30	3,210.98	1.50	-1.50	0.00
8,900.00	8.67	201.91	8,236.31	-2,994.19	-1,204.40	3,227.34	1.50	-1.50	0.00
9,000.00	7.17	201.91	8,335.36	-3,006.97	-1,209.54	3,241.12	1.50	-1.50	0.00
9,100.00	5.67	201.91	8,434.73	-3,017.34	-1,213.72	3,252.30	1.50	-1.50	0.00

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Project:	Garfield Co., CO (NAD83)	MD Reference:	KB=24' @ 8892.00usft
Site:	WMC 24-17 Pad	North Reference:	True
Well:	WMC 13-20	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

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)
9,200.00	4.17	201.91	8,534.36	-3,025.29	-1,216.92	3,260.87	1.50	-1.50	0.00
9,300.00	2.67	201.91	8,634.18	-3,030.82	-1,219.14	3,266.83	1.50	-1.50	0.00
9,400.00	1.17	201.91	8,734.12	-3,033.93	-1,220.39	3,270.18	1.50	-1.50	0.00
9,477.89	0.00	0.00	8,812.00	-3,034.67	-1,220.69	3,270.97	1.50	-1.50	0.00
Start 2150.00 hold at 9477.89 MD - KMSGAS									
9,500.00	0.00	0.00	8,834.11	-3,034.67	-1,220.69	3,270.97	0.00	0.00	0.00
9,600.00	0.00	0.00	8,934.11	-3,034.67	-1,220.69	3,270.97	0.00	0.00	0.00
9,700.00	0.00	0.00	9,034.11	-3,034.67	-1,220.69	3,270.97	0.00	0.00	0.00
9,800.00	0.00	0.00	9,134.11	-3,034.67	-1,220.69	3,270.97	0.00	0.00	0.00
9,900.00	0.00	0.00	9,234.11	-3,034.67	-1,220.69	3,270.97	0.00	0.00	0.00
10,000.00	0.00	0.00	9,334.11	-3,034.67	-1,220.69	3,270.97	0.00	0.00	0.00
10,100.00	0.00	0.00	9,434.11	-3,034.67	-1,220.69	3,270.97	0.00	0.00	0.00
10,200.00	0.00	0.00	9,534.11	-3,034.67	-1,220.69	3,270.97	0.00	0.00	0.00
10,300.00	0.00	0.00	9,634.11	-3,034.67	-1,220.69	3,270.97	0.00	0.00	0.00
10,400.00	0.00	0.00	9,734.11	-3,034.67	-1,220.69	3,270.97	0.00	0.00	0.00
10,500.00	0.00	0.00	9,834.11	-3,034.67	-1,220.69	3,270.97	0.00	0.00	0.00
10,600.00	0.00	0.00	9,934.11	-3,034.67	-1,220.69	3,270.97	0.00	0.00	0.00
10,700.00	0.00	0.00	10,034.11	-3,034.67	-1,220.69	3,270.97	0.00	0.00	0.00
10,707.89	0.00	0.00	10,042.00	-3,034.67	-1,220.69	3,270.97	0.00	0.00	0.00
CMEQ									
10,800.00	0.00	0.00	10,134.11	-3,034.67	-1,220.69	3,270.97	0.00	0.00	0.00
10,900.00	0.00	0.00	10,234.11	-3,034.67	-1,220.69	3,270.97	0.00	0.00	0.00
11,000.00	0.00	0.00	10,334.11	-3,034.67	-1,220.69	3,270.97	0.00	0.00	0.00
11,100.00	0.00	0.00	10,434.11	-3,034.67	-1,220.69	3,270.97	0.00	0.00	0.00
11,200.00	0.00	0.00	10,534.11	-3,034.67	-1,220.69	3,270.97	0.00	0.00	0.00
11,300.00	0.00	0.00	10,634.11	-3,034.67	-1,220.69	3,270.97	0.00	0.00	0.00
11,400.00	0.00	0.00	10,734.11	-3,034.67	-1,220.69	3,270.97	0.00	0.00	0.00
11,477.89	0.00	0.00	10,812.00	-3,034.67	-1,220.69	3,270.97	0.00	0.00	0.00
RLNS									
11,500.00	0.00	0.00	10,834.11	-3,034.67	-1,220.69	3,270.97	0.00	0.00	0.00
11,600.00	0.00	0.00	10,934.11	-3,034.67	-1,220.69	3,270.97	0.00	0.00	0.00
11,627.89	0.00	0.00	10,962.00	-3,034.67	-1,220.69	3,270.97	0.00	0.00	0.00
TD at 11627.89 - TD									

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									
WMC 13-20 KMW	0.00	0.00	8,812.00	-3,034.67	-1,220.69	1,590,027.80	2,349,327.70	39.430741	-107.803821
- plan hits target center									
- Circle (radius 50.00)									
WMC 13-20 PBHL	0.00	0.00	10,962.00	-3,034.67	-1,220.69	1,590,027.80	2,349,327.70	39.430741	-107.803821
- plan hits target center									
- Point									

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well WMC 13-20 - Slot WMC 13-20
Company:	TEP Rocky Mountain LLC	TVD Reference:	KB=24' @ 8892.00usft
Project:	Garfield Co., CO (NAD83)	MD Reference:	KB=24' @ 8892.00usft
Site:	WMC 24-17 Pad	North Reference:	True
Well:	WMC 13-20	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Casing Points				
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
1,100.00	1,078.50	9 5/8"	9-5/8	13-1/2

Formations						
	Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
	5,216.69	4,832.00	G_SAND			
	5,256.17	4,868.00	G_SAND_BASE			
	7,421.23	6,842.00	WSTC_LOWER			
	7,914.61	7,292.00	MVRD			
	9,477.89	8,812.00	KMVGAS			
	10,707.89	10,042.00	CMEO			
	11,477.89	10,812.00	RLNS			
	11,627.89	10,962.00	TD			

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
320.00	320.00	0.00	0.00	Start Build 3.00
1,128.36	1,104.44	-156.36	-62.89	Start 6732.81 hold at 1128.36 MD
7,861.17	7,243.12	-2,721.95	-1,094.90	Start Drop -1.50
9,477.89	8,812.00	-3,034.67	-1,220.69	Start 2150.00 hold at 9477.89 MD
11,627.89	10,962.00	-3,034.67	-1,220.69	TD at 11627.89