



# **TEP Rocky Mountain LLC**

**Garfield Co., CO (NAD83)**

**NR 23-3 Pad**

**NR 43-4 - Slot NR 43-4**

**OH**

**Plan: Plan #2**

## **Standard Planning Report**

**15 September, 2020**



## Plan #2



Project: Garfield Co., CO (NAD83)  
 Site: NR 23-3 Pad  
 Well: NR 43-4  
 Wellbore: OH  
 Design: Plan #2  
 Lat: 39.554155  
 Long: -107.879053  
 GL: 6728.00  
 KB: KB=24' @ 6752.00usft (H&P 318)



## WELL DETAILS: NR 43-4

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	NR 43-4
0.00	0.00	1635512.40	2329261.50	39.554155	-107.879053	

## WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
NR 43-4 KMW	7192.00	-1005.28	-3785.88	1634606.60	2325450.60	Circle (Radius: 50.00)
NR 43-4 PBHL	9877.00	-1005.28	-3785.88	1634606.60	2325450.60	Point

## SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Annotation
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	Build 3.00
1364.27	37.33	255.13	1278.10	-100.39	-378.08	3.00	255.13	391.19	4524.41 hold
5888.68	37.33	255.13	4875.80	-804.49	-3029.71	0.00	0.00	3134.70	Drop -1.50
8377.23	0.00	0.00	7192.00	-1005.28	-3785.88	1.50	180.00	3917.07	2685.00 hold
11062.23	0.00	0.00	9877.00	-1005.28	-3785.88	0.00	0.00	3917.07	TD at 11062.23

## CASING DETAILS

TVD	MD	Name	Size
1057.56	1100.00	9 5/8"	9-5/8

## FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3552.00	4223.89	Wasatch G
5432.00	6548.12	LWSTC
6012.00	7177.61	MVRD
7192.00	8377.23	KMWGAS
8842.00	10027.23	CMEO
9727.00	10912.23	RLNS
9877.00	11062.23	TD

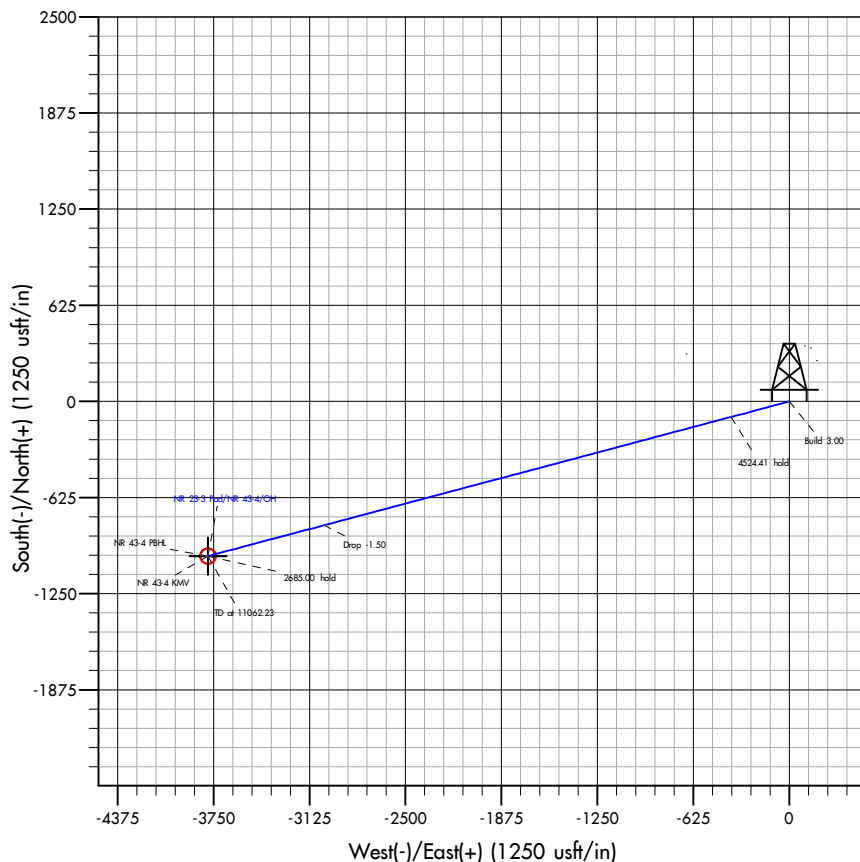
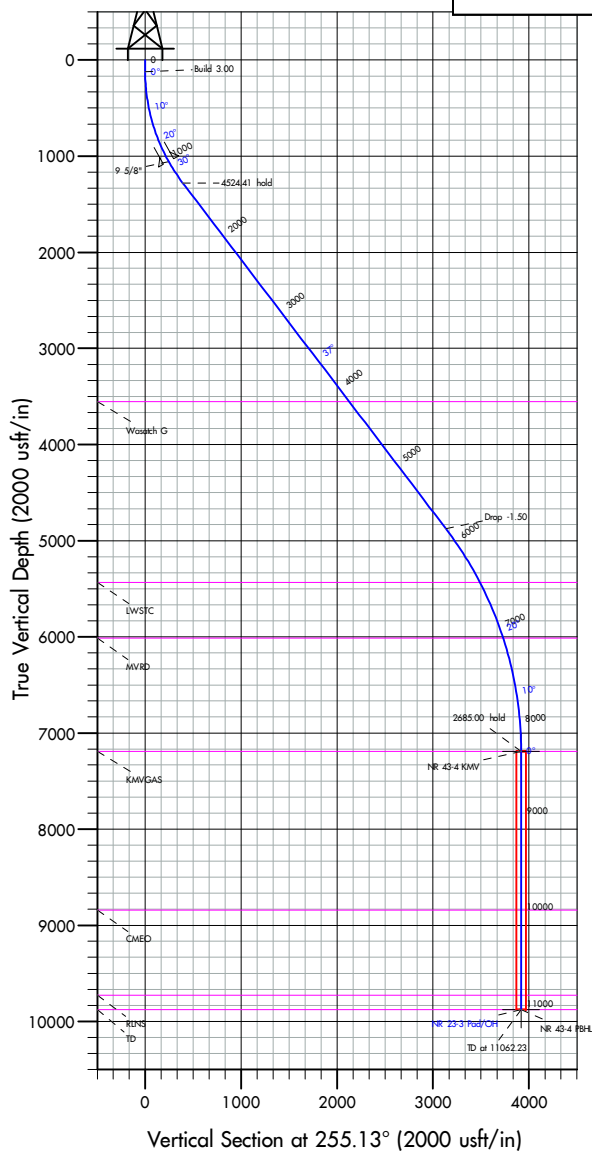


Azimuths to True North  
 Magnetic North: 9.23°

Magnetic Field  
 Strength: 51337.5nT  
 Dip Angle: 65.73°  
 Date: 8/23/2020  
 Model: HDGM2020

## SLOTS

Slot Name	+N/-S	+E/-W	Northing	Easting
NR 32-4	47.04	-25.64	1635560.10	2329237.10
NR 331-3	23.74	-6.42	1635536.30	2329255.70
NR 332-4	40.44	-33.27	1635553.70	2329229.30
NR 333-4	17.13	-14.35	1635529.90	2329247.60
NR 33-4	23.00	-19.21	1635535.90	2329242.90
NR 343-4	-5.77	4.85	1635506.50	2329266.20
NR 344-36	41.17	-20.89	1635554.10	2329241.70
NR 42-3	0.42	12.39	1635512.50	2329273.90
NR 431-3	17.86	-1.67	1635530.30	2329260.30
NR 432-4	34.67	-28.42	1635547.80	2329234.00
NR 433-4	11.65	-9.61	1635524.30	2329252.20
NR 43-4	0.00	0.00	1635512.40	2329261.50
NR 441-3	12.08	2.78	1635524.40	2329264.60
NR 442-3	-5.45	17.25	1635506.50	2329278.60
NR 443-4	-11.65	9.61	1635500.50	2329270.80
NR 444-36	35.39	-16.03	1635548.20	2329246.40
NR 532-4	28.78	-23.96	1635541.80	2329238.30
NR 533-4	5.88	-4.76	1635518.40	2329256.90
NR 541-3	6.20	7.64	1635518.40	2329269.30
NR 542-3	-10.93	21.99	1635500.90	2329283.20
NR 543-4	-17.43	14.36	1635494.60	2329275.40
NR 544-36	29.51	-11.28	1635542.20	2329251.00



Plan: Plan #2 (NR 43-4/OH)

Created By: Dusty Moyer

Date: 13:41, September 15, 2020

<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well NR 43-4 - Slot NR 43-4
<b>Company:</b>	TEP Rocky Mountain LLC	<b>TVD Reference:</b>	KB=24' @ 6752.00usft (H&P 318)
<b>Project:</b>	Garfield Co., CO (NAD83)	<b>MD Reference:</b>	KB=24' @ 6752.00usft (H&P 318)
<b>Site:</b>	NR 23-3 Pad	<b>North Reference:</b>	True
<b>Well:</b>	NR 43-4	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #2		

<b>Project</b>	Garfield Co., 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>	NR 23-3 Pad			
<b>Site Position:</b>		<b>Northing:</b>	1,635,494.60 usft	<b>Latitude:</b> 39.554107
<b>From:</b>	Map	<b>Easting:</b>	2,329,275.40 usft	<b>Longitude:</b> -107.879052
<b>Position Uncertainty:</b>	0.00 usft	<b>Slot Radius:</b>	13-3/16 "	

<b>Well</b>	NR 43-4 - Slot NR 43-4			
<b>Well Position</b>	<b>+N/-S</b>	0.00 usft	<b>Northing:</b>	1,635,512.40 usft
	<b>+E/-W</b>	0.00 usft	<b>Easting:</b>	2,329,261.50 usft
<b>Position Uncertainty</b>		0.00 usft	<b>Wellhead Elevation:</b>	usft
<b>Grid Convergence:</b>		-1.50 °	<b>Ground Level:</b>	6,728.00 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>
	HDGM2020	8/23/2020	9.23	65.73	51,337.50000000

<b>Design</b>	Plan #2			
<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	255.13

<b>Plan Survey Tool Program</b>	<b>Date</b>	9/15/2020		
<b>Depth From (usft)</b>	<b>Depth To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Remarks</b>
1	0.00	11,062.23 Plan #2 (OH)	MWD+ HGDM	
			OWSG MWD + HGDM	

<b>Plan Sections</b>										
<b>Measured Depth (usft)</b>	<b>Inclination (°)</b>	<b>Azimuth (°)</b>	<b>Vertical Depth (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Dogleg Rate (°/100usft)</b>	<b>Build Rate (°/100usft)</b>	<b>Turn Rate (°/100usft)</b>	<b>TFO (°)</b>	<b>Target</b>
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	
1,364.27	37.33	255.13	1,278.10	-100.39	-378.08	3.00	3.00	0.00	255.13	
5,888.69	37.33	255.13	4,875.80	-804.49	-3,029.71	0.00	0.00	0.00	0.00	
8,377.23	0.00	0.00	7,192.00	-1,005.28	-3,785.88	1.50	-1.50	0.00	180.00	
11,062.23	0.00	0.00	9,877.00	-1,005.28	-3,785.88	0.00	0.00	0.00	0.00	NR 43-4 PBHL

<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well NR 43-4 - Slot NR 43-4
<b>Company:</b>	TEP Rocky Mountain LLC	<b>TVD Reference:</b>	KB=24' @ 6752.00usft (H&P 318)
<b>Project:</b>	Garfield Co., CO (NAD83)	<b>MD Reference:</b>	KB=24' @ 6752.00usft (H&P 318)
<b>Site:</b>	NR 23-3 Pad	<b>North Reference:</b>	True
<b>Well:</b>	NR 43-4	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #2		

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
<b>Build 3.00</b>									
200.00	2.40	255.13	199.98	-0.43	-1.62	1.68	3.00	3.00	0.00
300.00	5.40	255.13	299.73	-2.18	-8.19	8.48	3.00	3.00	0.00
400.00	8.40	255.13	399.00	-5.26	-19.80	20.49	3.00	3.00	0.00
500.00	11.40	255.13	497.50	-9.67	-36.42	37.68	3.00	3.00	0.00
600.00	14.40	255.13	594.96	-15.40	-57.99	60.00	3.00	3.00	0.00
700.00	17.40	255.13	691.13	-22.43	-84.47	87.39	3.00	3.00	0.00
800.00	20.40	255.13	785.72	-30.74	-115.77	119.78	3.00	3.00	0.00
900.00	23.40	255.13	878.50	-40.31	-151.82	157.08	3.00	3.00	0.00
1,000.00	26.40	255.13	969.19	-51.12	-192.50	199.18	3.00	3.00	0.00
1,100.00	29.40	255.13	1,057.56	-63.12	-237.73	245.96	3.00	3.00	0.00
<b>9 5/8"</b>									
1,200.00	32.40	255.13	1,143.35	-76.30	-287.35	297.31	3.00	3.00	0.00
1,300.00	35.40	255.13	1,226.35	-90.61	-341.25	353.08	3.00	3.00	0.00
1,364.27	37.33	255.13	1,278.10	-100.39	-378.08	391.19	3.00	3.00	0.00
<b>4524.41 hold</b>									
1,400.00	37.33	255.13	1,306.51	-105.95	-399.02	412.85	0.00	0.00	0.00
1,500.00	37.33	255.13	1,386.03	-121.52	-457.63	473.49	0.00	0.00	0.00
1,600.00	37.33	255.13	1,465.54	-137.08	-516.24	534.13	0.00	0.00	0.00
1,700.00	37.33	255.13	1,545.06	-152.64	-574.84	594.76	0.00	0.00	0.00
1,800.00	37.33	255.13	1,624.58	-168.20	-633.45	655.40	0.00	0.00	0.00
1,900.00	37.33	255.13	1,704.10	-183.76	-692.06	716.04	0.00	0.00	0.00
2,000.00	37.33	255.13	1,783.61	-199.33	-750.67	776.68	0.00	0.00	0.00
2,100.00	37.33	255.13	1,863.13	-214.89	-809.27	837.32	0.00	0.00	0.00
2,200.00	37.33	255.13	1,942.65	-230.45	-867.88	897.95	0.00	0.00	0.00
2,300.00	37.33	255.13	2,022.17	-246.01	-926.49	958.59	0.00	0.00	0.00
2,400.00	37.33	255.13	2,101.68	-261.58	-985.09	1,019.23	0.00	0.00	0.00
2,500.00	37.33	255.13	2,181.20	-277.14	-1,043.70	1,079.87	0.00	0.00	0.00
2,600.00	37.33	255.13	2,260.72	-292.70	-1,102.31	1,140.51	0.00	0.00	0.00
2,700.00	37.33	255.13	2,340.24	-308.26	-1,160.91	1,201.14	0.00	0.00	0.00
2,800.00	37.33	255.13	2,419.75	-323.82	-1,219.52	1,261.78	0.00	0.00	0.00
2,900.00	37.33	255.13	2,499.27	-339.39	-1,278.13	1,322.42	0.00	0.00	0.00
3,000.00	37.33	255.13	2,578.79	-354.95	-1,336.74	1,383.06	0.00	0.00	0.00
3,100.00	37.33	255.13	2,658.31	-370.51	-1,395.34	1,443.70	0.00	0.00	0.00
3,200.00	37.33	255.13	2,737.82	-386.07	-1,453.95	1,504.33	0.00	0.00	0.00
3,300.00	37.33	255.13	2,817.34	-401.63	-1,512.56	1,564.97	0.00	0.00	0.00
3,400.00	37.33	255.13	2,896.86	-417.20	-1,571.16	1,625.61	0.00	0.00	0.00
3,500.00	37.33	255.13	2,976.38	-432.76	-1,629.77	1,686.25	0.00	0.00	0.00
3,600.00	37.33	255.13	3,055.90	-448.32	-1,688.38	1,746.89	0.00	0.00	0.00
3,700.00	37.33	255.13	3,135.41	-463.88	-1,746.98	1,807.52	0.00	0.00	0.00
3,800.00	37.33	255.13	3,214.93	-479.44	-1,805.59	1,868.16	0.00	0.00	0.00
3,900.00	37.33	255.13	3,294.45	-495.01	-1,864.20	1,928.80	0.00	0.00	0.00
4,000.00	37.33	255.13	3,373.97	-510.57	-1,922.81	1,989.44	0.00	0.00	0.00
4,100.00	37.33	255.13	3,453.48	-526.13	-1,981.41	2,050.08	0.00	0.00	0.00
4,200.00	37.33	255.13	3,533.00	-541.69	-2,040.02	2,110.71	0.00	0.00	0.00
4,223.89	37.33	255.13	3,552.00	-545.41	-2,054.02	2,125.20	0.00	0.00	0.00
<b>Wasatch G</b>									
4,300.00	37.33	255.13	3,612.52	-557.26	-2,098.63	2,171.35	0.00	0.00	0.00
4,400.00	37.33	255.13	3,692.04	-572.82	-2,157.23	2,231.99	0.00	0.00	0.00
4,500.00	37.33	255.13	3,771.55	-588.38	-2,215.84	2,292.63	0.00	0.00	0.00

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<b>Site:</b>	NR 23-3 Pad	<b>North Reference:</b>	True
<b>Well:</b>	NR 43-4	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #2		

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)
4,600.00	37.33	255.13	3,851.07	-603.94	-2,274.45	2,353.27	0.00	0.00	0.00
4,700.00	37.33	255.13	3,930.59	-619.50	-2,333.05	2,413.90	0.00	0.00	0.00
4,800.00	37.33	255.13	4,010.11	-635.07	-2,391.66	2,474.54	0.00	0.00	0.00
4,900.00	37.33	255.13	4,089.62	-650.63	-2,450.27	2,535.18	0.00	0.00	0.00
5,000.00	37.33	255.13	4,169.14	-666.19	-2,508.88	2,595.82	0.00	0.00	0.00
5,100.00	37.33	255.13	4,248.66	-681.75	-2,567.48	2,656.45	0.00	0.00	0.00
5,200.00	37.33	255.13	4,328.18	-697.31	-2,626.09	2,717.09	0.00	0.00	0.00
5,300.00	37.33	255.13	4,407.69	-712.88	-2,684.70	2,777.73	0.00	0.00	0.00
5,400.00	37.33	255.13	4,487.21	-728.44	-2,743.30	2,838.37	0.00	0.00	0.00
5,500.00	37.33	255.13	4,566.73	-744.00	-2,801.91	2,899.01	0.00	0.00	0.00
5,600.00	37.33	255.13	4,646.25	-759.56	-2,860.52	2,959.64	0.00	0.00	0.00
5,700.00	37.33	255.13	4,725.76	-775.13	-2,919.12	3,020.28	0.00	0.00	0.00
5,800.00	37.33	255.13	4,805.28	-790.69	-2,977.73	3,080.92	0.00	0.00	0.00
5,888.69	37.33	255.13	4,875.80	-804.49	-3,029.71	3,134.70	0.00	0.00	0.00
<b>Drop -1.50</b>									
5,900.00	37.16	255.13	4,884.81	-806.25	-3,036.33	3,141.54	1.50	-1.50	0.00
6,000.00	35.66	255.13	4,965.29	-821.48	-3,093.69	3,200.90	1.50	-1.50	0.00
6,100.00	34.16	255.13	5,047.29	-836.16	-3,149.00	3,258.12	1.50	-1.50	0.00
6,200.00	32.66	255.13	5,130.77	-850.29	-3,202.21	3,313.18	1.50	-1.50	0.00
6,300.00	31.16	255.13	5,215.65	-863.86	-3,253.30	3,366.04	1.50	-1.50	0.00
6,400.00	29.66	255.13	5,301.89	-876.85	-3,302.22	3,416.65	1.50	-1.50	0.00
6,500.00	28.16	255.13	5,389.43	-889.26	-3,348.94	3,464.99	1.50	-1.50	0.00
6,548.12	27.44	255.13	5,432.00	-895.01	-3,370.63	3,487.43	1.50	-1.50	0.00
<b>LWSTC</b>									
6,600.00	26.66	255.13	5,478.20	-901.07	-3,393.43	3,511.02	1.50	-1.50	0.00
6,700.00	25.16	255.13	5,568.15	-912.28	-3,435.66	3,554.71	1.50	-1.50	0.00
6,800.00	23.66	255.13	5,659.21	-922.89	-3,475.59	3,596.04	1.50	-1.50	0.00
6,900.00	22.16	255.13	5,751.32	-932.88	-3,513.22	3,634.96	1.50	-1.50	0.00
7,000.00	20.66	255.13	5,844.42	-942.24	-3,548.49	3,671.46	1.50	-1.50	0.00
7,100.00	19.16	255.13	5,938.44	-950.98	-3,581.40	3,705.51	1.50	-1.50	0.00
7,177.61	17.99	255.13	6,012.00	-957.33	-3,605.30	3,730.24	1.50	-1.50	0.00
<b>MVRD</b>									
7,200.00	17.66	255.13	6,033.32	-959.09	-3,611.92	3,737.09	1.50	-1.50	0.00
7,300.00	16.16	255.13	6,128.99	-966.55	-3,640.03	3,766.17	1.50	-1.50	0.00
7,400.00	14.66	255.13	6,225.40	-973.37	-3,665.71	3,792.74	1.50	-1.50	0.00
7,500.00	13.16	255.13	6,322.46	-979.54	-3,688.94	3,816.78	1.50	-1.50	0.00
7,600.00	11.66	255.13	6,420.12	-985.05	-3,709.71	3,838.27	1.50	-1.50	0.00
7,700.00	10.16	255.13	6,518.31	-989.91	-3,728.00	3,857.19	1.50	-1.50	0.00
7,800.00	8.66	255.13	6,616.96	-994.10	-3,743.80	3,873.54	1.50	-1.50	0.00
7,900.00	7.16	255.13	6,716.01	-997.64	-3,757.10	3,887.30	1.50	-1.50	0.00
8,000.00	5.66	255.13	6,815.38	-1,000.50	-3,767.89	3,898.46	1.50	-1.50	0.00
8,100.00	4.16	255.13	6,915.01	-1,002.70	-3,776.16	3,907.01	1.50	-1.50	0.00
8,200.00	2.66	255.13	7,014.83	-1,004.22	-3,781.90	3,912.96	1.50	-1.50	0.00
8,300.00	1.16	255.13	7,114.78	-1,005.08	-3,785.12	3,916.29	1.50	-1.50	0.00
8,377.23	0.00	0.00	7,192.00	-1,005.28	-3,785.88	3,917.07	1.50	-1.50	0.00
<b>2685.00 hold - KMGVGS</b>									
8,400.00	0.00	0.00	7,214.77	-1,005.28	-3,785.88	3,917.07	0.00	0.00	0.00
8,500.00	0.00	0.00	7,314.77	-1,005.28	-3,785.88	3,917.07	0.00	0.00	0.00
8,600.00	0.00	0.00	7,414.77	-1,005.28	-3,785.88	3,917.07	0.00	0.00	0.00
8,700.00	0.00	0.00	7,514.77	-1,005.28	-3,785.88	3,917.07	0.00	0.00	0.00
8,800.00	0.00	0.00	7,614.77	-1,005.28	-3,785.88	3,917.07	0.00	0.00	0.00
8,900.00	0.00	0.00	7,714.77	-1,005.28	-3,785.88	3,917.07	0.00	0.00	0.00
9,000.00	0.00	0.00	7,814.77	-1,005.28	-3,785.88	3,917.07	0.00	0.00	0.00

<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well NR 43-4 - Slot NR 43-4
<b>Company:</b>	TEP Rocky Mountain LLC	<b>TVD Reference:</b>	KB=24' @ 6752.00usft (H&P 318)
<b>Project:</b>	Garfield Co., CO (NAD83)	<b>MD Reference:</b>	KB=24' @ 6752.00usft (H&P 318)
<b>Site:</b>	NR 23-3 Pad	<b>North Reference:</b>	True
<b>Well:</b>	NR 43-4	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #2		

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)	
9,100.00	0.00	0.00	7,914.77	-1,005.28	-3,785.88	3,917.07	0.00	0.00	0.00	
9,200.00	0.00	0.00	8,014.77	-1,005.28	-3,785.88	3,917.07	0.00	0.00	0.00	
9,300.00	0.00	0.00	8,114.77	-1,005.28	-3,785.88	3,917.07	0.00	0.00	0.00	
9,400.00	0.00	0.00	8,214.77	-1,005.28	-3,785.88	3,917.07	0.00	0.00	0.00	
9,500.00	0.00	0.00	8,314.77	-1,005.28	-3,785.88	3,917.07	0.00	0.00	0.00	
9,600.00	0.00	0.00	8,414.77	-1,005.28	-3,785.88	3,917.07	0.00	0.00	0.00	
9,700.00	0.00	0.00	8,514.77	-1,005.28	-3,785.88	3,917.07	0.00	0.00	0.00	
9,800.00	0.00	0.00	8,614.77	-1,005.28	-3,785.88	3,917.07	0.00	0.00	0.00	
9,900.00	0.00	0.00	8,714.77	-1,005.28	-3,785.88	3,917.07	0.00	0.00	0.00	
10,000.00	0.00	0.00	8,814.77	-1,005.28	-3,785.88	3,917.07	0.00	0.00	0.00	
10,027.23	0.00	0.00	8,842.00	-1,005.28	-3,785.88	3,917.07	0.00	0.00	0.00	
<b>CMEO</b>										
10,100.00	0.00	0.00	8,914.77	-1,005.28	-3,785.88	3,917.07	0.00	0.00	0.00	
10,200.00	0.00	0.00	9,014.77	-1,005.28	-3,785.88	3,917.07	0.00	0.00	0.00	
10,300.00	0.00	0.00	9,114.77	-1,005.28	-3,785.88	3,917.07	0.00	0.00	0.00	
10,400.00	0.00	0.00	9,214.77	-1,005.28	-3,785.88	3,917.07	0.00	0.00	0.00	
10,500.00	0.00	0.00	9,314.77	-1,005.28	-3,785.88	3,917.07	0.00	0.00	0.00	
10,600.00	0.00	0.00	9,414.77	-1,005.28	-3,785.88	3,917.07	0.00	0.00	0.00	
10,700.00	0.00	0.00	9,514.77	-1,005.28	-3,785.88	3,917.07	0.00	0.00	0.00	
10,800.00	0.00	0.00	9,614.77	-1,005.28	-3,785.88	3,917.07	0.00	0.00	0.00	
10,900.00	0.00	0.00	9,714.77	-1,005.28	-3,785.88	3,917.07	0.00	0.00	0.00	
10,912.23	0.00	0.00	9,727.00	-1,005.28	-3,785.88	3,917.07	0.00	0.00	0.00	
<b>RLNS</b>										
11,000.00	0.00	0.00	9,814.77	-1,005.28	-3,785.88	3,917.07	0.00	0.00	0.00	
11,062.23	0.00	0.00	9,877.00	-1,005.28	-3,785.88	3,917.07	0.00	0.00	0.00	
<b>TD at 11062.23 - TD</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									
NR 43-4 KMV	0.00	0.00	7,192.00	-1,005.28	-3,785.88	1,634,606.60	2,325,450.60	39.551394	-107.892479
- plan hits target center									
- Circle (radius 50.00)									
NR 43-4 PBHL	0.00	0.00	9,877.00	-1,005.28	-3,785.88	1,634,606.60	2,325,450.60	39.551394	-107.892479
- plan hits target center									
- Point									

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")	
1,100.00	1,057.56	9 5/8"	9-5/8	13-1/2	

<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well NR 43-4 - Slot NR 43-4
<b>Company:</b>	TEP Rocky Mountain LLC	<b>TVD Reference:</b>	KB=24' @ 6752.00usft (H&P 318)
<b>Project:</b>	Garfield Co., CO (NAD83)	<b>MD Reference:</b>	KB=24' @ 6752.00usft (H&P 318)
<b>Site:</b>	NR 23-3 Pad	<b>North Reference:</b>	True
<b>Well:</b>	NR 43-4	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #2		

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
4,223.89	3,552.00	Wasatch G		0.00		
6,548.12	5,432.00	LWSTC		0.00		
7,177.61	6,012.00	MVRD		0.00		
8,377.23	7,192.00	KMVGAS		0.00		
10,027.23	8,842.00	CMEO		0.00		
10,912.23	9,727.00	RLNS		0.00		
11,062.23	9,877.00	TD		0.00		

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
120.00	120.00	0.00	0.00	Build 3.00	
1,364.27	1,278.10	-100.39	-378.08	4524.41 hold	
5,888.69	4,875.80	-804.49	-3,029.71	Drop -1.50	
8,377.23	7,192.00	-1,005.28	-3,785.88	2685.00 hold	
11,062.23	9,877.00	-1,005.28	-3,785.88	TD at 11062.23	