



# **TEP Rocky Mountain LLC**

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

**NR 23-3 Pad**

**NR 544-36 - Slot NR 544-36**

**OH**

**Plan: Plan #2**

## **Standard Planning Report**

**15 September, 2020**





Project: Garfield Co., CO (NAD83)  
 Site: NR 23-3 Pad  
 Well: NR 544-36  
 Wellbore: OH  
 Design: Plan #2  
 Lat: 39.554236  
 Long: -107.879093  
 GL: 6728.00  
 KB: KB=24' @ 6752.00usft (H&P 318)



WELL DETAILS: NR 544-36

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Well Name
0.00	0.00	1635542.20	2329251.00	39.554236	-107.879093	NR 544-36

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
NR 544-36 KMY P2	7432.00	3462.59	-1355.73	1639039.10	2327986.40	Circle (Radius: 50.00)
NR 544-36 PBHL P2	10162.00	3462.59	-1355.73	1639039.10	2327986.40	Point

SECTION DETAILS

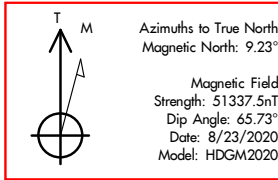
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
180.00	0.00	0.00	180.00	0.00	0.00	0.00	0.00	0.00	Build 3.00
1316.10	34.08	338.62	1250.28	305.48	-119.61	3.00	338.62	328.06	4879.32 hold
6195.42	34.08	338.62	5291.45	2851.62	-1116.52	0.00	0.00	3062.41	Drop -1.50
8467.63	0.00	0.00	7432.00	3462.59	-1355.73	1.50	180.00	3718.54	2730.00 hold
11197.63	0.00	0.00	10162.00	3462.59	-1355.73	0.00	0.00	3718.54	TD at 11197.63

CASING DETAILS

TVD	MD	Name	Size
1064.83	1100.00	9 5/8"	9-5/8

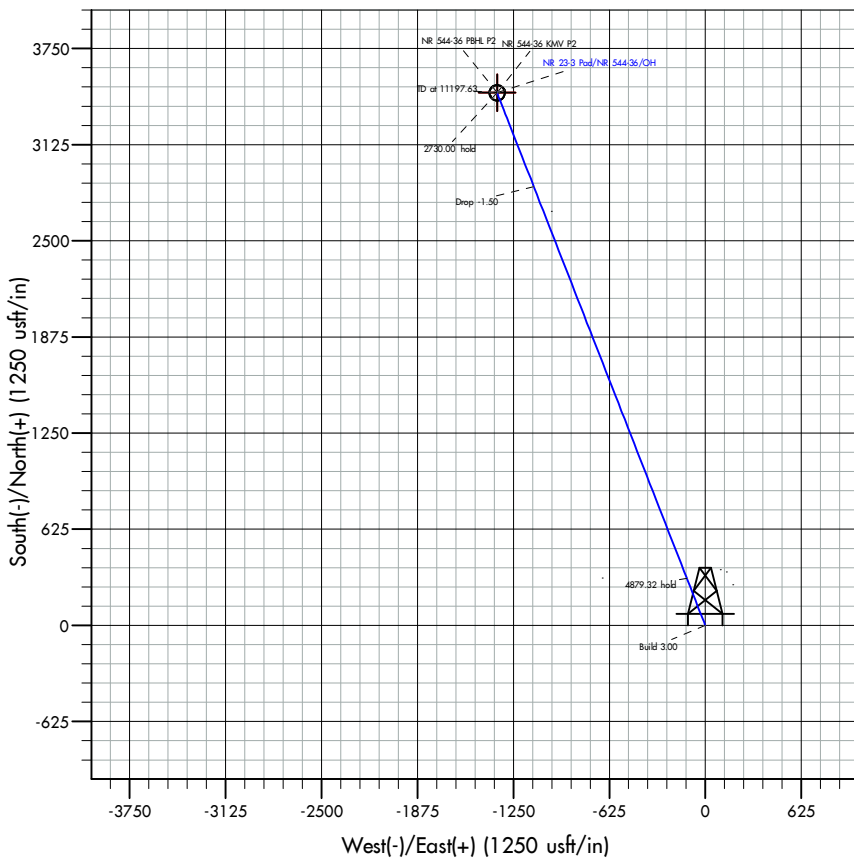
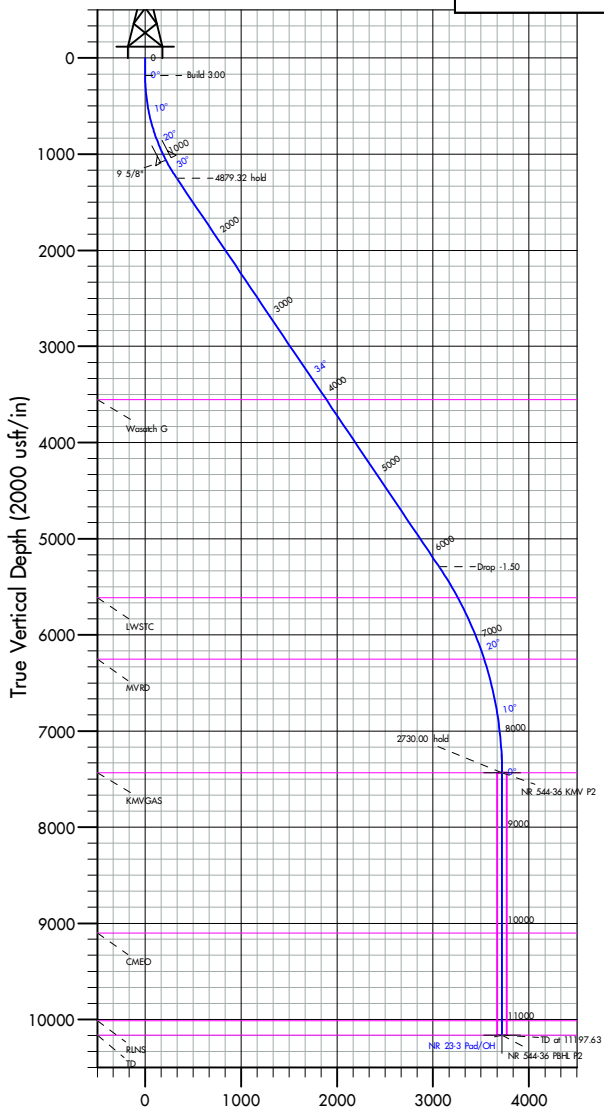
FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3552.00	4095.21	Wasatch G
5612.00	6570.60	LWSTC
6252.00	7268.00	MVRD
7432.00	8467.63	KMVGAS
9102.00	10137.63	CMEQ
10012.00	11047.63	RLNS
10162.00	11197.63	TD



SLOTS

Slot Name	+N/-S	+E/-W	Northing	Easting
NR 32-4	17.53	-14.36	1635560.10	2329237.10
NR 331-3	-5.77	4.85	1635536.30	2329255.70
NR 332-4	10.93	-21.99	1635553.70	2329229.30
NR 333-4	-12.38	-3.08	1635529.90	2329247.60
NR 33-4	-6.51	-7.93	1635535.90	2329242.90
NR 343-4	-35.29	16.13	1635506.50	2329266.20
NR 344-36	11.65	-9.61	1635554.10	2329241.70
NR 42-3	-29.09	23.67	1635512.50	2329273.90
NR 431-3	-11.65	9.61	1635530.30	2329260.30
NR 432-4	5.15	-17.14	1635547.80	2329234.00
NR 433-4	-17.86	1.67	1635524.30	2329252.20
NR 43-4	-29.51	11.28	1635512.40	2329261.50
NR 441-3	-17.44	14.06	1635524.40	2329264.60
NR 442-3	-34.97	28.53	1635506.50	2329278.60
NR 443-4	-41.17	20.89	1635500.50	2329270.80
NR 444-36	5.88	-4.76	1635548.20	2329246.40
NR 532-4	-0.73	-12.69	1635518.40	2329238.30
NR 533-4	-23.64	6.52	1635518.40	2329256.90
NR 541-3	-23.31	18.92	1635518.40	2329269.30
NR 542-3	-40.44	33.27	1635500.90	2329283.20
NR 543-4	-46.94	25.64	1635494.60	2329275.40
NR 544-36	0.00	0.00	1635542.20	2329251.00





<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well NR 544-36 - Slot NR 544-36
<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 544-36	<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>	-107.879002
<b>Position Uncertainty:</b>	0.00 usft	<b>Slot Radius:</b>	13-3/16 "		

<b>Well</b>	NR 544-36 - Slot NR 544-36					
<b>Well Position</b>	<b>+N/-S</b>	0.00 usft	<b>Northing:</b>	1,635,542.20 usft	<b>Latitude:</b>	39.554236
	<b>+E/-W</b>	0.00 usft	<b>Easting:</b>	2,329,251.00 usft	<b>Longitude:</b>	-107.879093
<b>Position Uncertainty</b>		0.00 usft	<b>Wellhead Elevation:</b>	usft	<b>Ground Level:</b>	6,728.00 usft
<b>Grid Convergence:</b>	-1.50 °					

<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	338.62

<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	11,197.63 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	
180.00	0.00	0.00	180.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,316.10	34.08	338.62	1,250.28	305.48	-119.61	3.00	3.00	0.00	338.62	
6,195.42	34.08	338.62	5,291.45	2,851.62	-1,116.52	0.00	0.00	0.00	0.00	
8,467.63	0.00	0.00	7,432.00	3,462.59	-1,355.73	1.50	-1.50	0.00	180.00	NR 544-36 KMV P2
11,197.63	0.00	0.00	10,162.00	3,462.59	-1,355.73	0.00	0.00	0.00	0.00	NR 544-36 PBHL P2



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<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 544-36	<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
180.00	0.00	0.00	180.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Build 3.00</b>									
200.00	0.60	338.62	200.00	0.10	-0.04	0.10	3.00	3.00	0.00
300.00	3.60	338.62	299.92	3.51	-1.37	3.77	3.00	3.00	0.00
400.00	6.60	338.62	399.51	11.79	-4.61	12.66	3.00	3.00	0.00
500.00	9.60	338.62	498.50	24.90	-9.75	26.75	3.00	3.00	0.00
600.00	12.60	338.62	596.62	42.83	-16.77	46.00	3.00	3.00	0.00
700.00	15.60	338.62	693.60	65.51	-25.65	70.35	3.00	3.00	0.00
800.00	18.60	338.62	789.17	92.89	-36.37	99.75	3.00	3.00	0.00
900.00	21.60	338.62	883.07	124.89	-48.90	134.12	3.00	3.00	0.00
1,000.00	24.60	338.62	975.04	161.41	-63.20	173.35	3.00	3.00	0.00
1,100.00	27.60	338.62	1,064.83	202.38	-79.24	217.34	3.00	3.00	0.00
<b>9 5/8"</b>									
1,200.00	30.60	338.62	1,152.20	247.66	-96.97	265.96	3.00	3.00	0.00
1,300.00	33.60	338.62	1,236.90	297.13	-116.34	319.10	3.00	3.00	0.00
1,316.10	34.08	338.62	1,250.28	305.48	-119.61	328.06	3.00	3.00	0.00
<b>4879.32 hold</b>									
1,400.00	34.08	338.62	1,319.76	349.26	-136.75	375.08	0.00	0.00	0.00
1,500.00	34.08	338.62	1,402.58	401.45	-157.18	431.12	0.00	0.00	0.00
1,600.00	34.08	338.62	1,485.41	453.63	-177.61	487.16	0.00	0.00	0.00
1,700.00	34.08	338.62	1,568.23	505.81	-198.04	543.20	0.00	0.00	0.00
1,800.00	34.08	338.62	1,651.05	557.99	-218.47	599.24	0.00	0.00	0.00
1,900.00	34.08	338.62	1,733.87	610.17	-238.91	655.28	0.00	0.00	0.00
2,000.00	34.08	338.62	1,816.70	662.36	-259.34	711.32	0.00	0.00	0.00
2,100.00	34.08	338.62	1,899.52	714.54	-279.77	767.36	0.00	0.00	0.00
2,200.00	34.08	338.62	1,982.34	766.72	-300.20	823.40	0.00	0.00	0.00
2,300.00	34.08	338.62	2,065.16	818.90	-320.63	879.44	0.00	0.00	0.00
2,400.00	34.08	338.62	2,147.99	871.09	-341.06	935.47	0.00	0.00	0.00
2,500.00	34.08	338.62	2,230.81	923.27	-361.49	991.51	0.00	0.00	0.00
2,600.00	34.08	338.62	2,313.63	975.45	-381.93	1,047.55	0.00	0.00	0.00
2,700.00	34.08	338.62	2,396.45	1,027.63	-402.36	1,103.59	0.00	0.00	0.00
2,800.00	34.08	338.62	2,479.28	1,079.81	-422.79	1,159.63	0.00	0.00	0.00
2,900.00	34.08	338.62	2,562.10	1,132.00	-443.22	1,215.67	0.00	0.00	0.00
3,000.00	34.08	338.62	2,644.92	1,184.18	-463.65	1,271.71	0.00	0.00	0.00
3,100.00	34.08	338.62	2,727.74	1,236.36	-484.08	1,327.75	0.00	0.00	0.00
3,200.00	34.08	338.62	2,810.57	1,288.54	-504.51	1,383.79	0.00	0.00	0.00
3,300.00	34.08	338.62	2,893.39	1,340.73	-524.94	1,439.83	0.00	0.00	0.00
3,400.00	34.08	338.62	2,976.21	1,392.91	-545.38	1,495.87	0.00	0.00	0.00
3,500.00	34.08	338.62	3,059.03	1,445.09	-565.81	1,551.91	0.00	0.00	0.00
3,600.00	34.08	338.62	3,141.86	1,497.27	-586.24	1,607.95	0.00	0.00	0.00
3,700.00	34.08	338.62	3,224.68	1,549.45	-606.67	1,663.99	0.00	0.00	0.00
3,800.00	34.08	338.62	3,307.50	1,601.64	-627.10	1,720.03	0.00	0.00	0.00
3,900.00	34.08	338.62	3,390.32	1,653.82	-647.53	1,776.07	0.00	0.00	0.00
4,000.00	34.08	338.62	3,473.15	1,706.00	-667.96	1,832.11	0.00	0.00	0.00
4,095.21	34.08	338.62	3,552.00	1,755.68	-687.42	1,885.46	0.00	0.00	0.00
<b>Wasatch G</b>									
4,100.00	34.08	338.62	3,555.97	1,758.18	-688.39	1,888.15	0.00	0.00	0.00
4,200.00	34.08	338.62	3,638.79	1,810.37	-708.83	1,944.19	0.00	0.00	0.00
4,300.00	34.08	338.62	3,721.61	1,862.55	-729.26	2,000.22	0.00	0.00	0.00
4,400.00	34.08	338.62	3,804.44	1,914.73	-749.69	2,056.26	0.00	0.00	0.00
4,500.00	34.08	338.62	3,887.26	1,966.91	-770.12	2,112.30	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 544-36	<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	34.08	338.62	3,970.08	2,019.09	-790.55	2,168.34	0.00	0.00	0.00
4,700.00	34.08	338.62	4,052.91	2,071.28	-810.98	2,224.38	0.00	0.00	0.00
4,800.00	34.08	338.62	4,135.73	2,123.46	-831.41	2,280.42	0.00	0.00	0.00
4,900.00	34.08	338.62	4,218.55	2,175.64	-851.85	2,336.46	0.00	0.00	0.00
5,000.00	34.08	338.62	4,301.37	2,227.82	-872.28	2,392.50	0.00	0.00	0.00
5,100.00	34.08	338.62	4,384.20	2,280.01	-892.71	2,448.54	0.00	0.00	0.00
5,200.00	34.08	338.62	4,467.02	2,332.19	-913.14	2,504.58	0.00	0.00	0.00
5,300.00	34.08	338.62	4,549.84	2,384.37	-933.57	2,560.62	0.00	0.00	0.00
5,400.00	34.08	338.62	4,632.66	2,436.55	-954.00	2,616.66	0.00	0.00	0.00
5,500.00	34.08	338.62	4,715.49	2,488.73	-974.43	2,672.70	0.00	0.00	0.00
5,600.00	34.08	338.62	4,798.31	2,540.92	-994.86	2,728.74	0.00	0.00	0.00
5,700.00	34.08	338.62	4,881.13	2,593.10	-1,015.30	2,784.78	0.00	0.00	0.00
5,800.00	34.08	338.62	4,963.95	2,645.28	-1,035.73	2,840.82	0.00	0.00	0.00
5,900.00	34.08	338.62	5,046.78	2,697.46	-1,056.16	2,896.86	0.00	0.00	0.00
6,000.00	34.08	338.62	5,129.60	2,749.65	-1,076.59	2,952.90	0.00	0.00	0.00
6,100.00	34.08	338.62	5,212.42	2,801.83	-1,097.02	3,008.94	0.00	0.00	0.00
6,195.42	34.08	338.62	5,291.45	2,851.62	-1,116.52	3,062.41	0.00	0.00	0.00
<b>Drop -1.50</b>									
6,200.00	34.01	338.62	5,295.25	2,854.01	-1,117.45	3,064.97	1.50	-1.50	0.00
6,300.00	32.51	338.62	5,378.86	2,905.08	-1,137.45	3,119.82	1.50	-1.50	0.00
6,400.00	31.01	338.62	5,463.88	2,954.10	-1,156.64	3,172.46	1.50	-1.50	0.00
6,500.00	29.51	338.62	5,550.25	3,001.03	-1,175.02	3,222.86	1.50	-1.50	0.00
6,570.60	28.46	338.62	5,612.00	3,032.88	-1,187.49	3,257.07	1.50	-1.50	0.00
<b>LWSTC</b>									
6,600.00	28.01	338.62	5,637.90	3,045.84	-1,192.56	3,270.98	1.50	-1.50	0.00
6,700.00	26.51	338.62	5,726.79	3,088.49	-1,209.26	3,316.79	1.50	-1.50	0.00
6,800.00	25.01	338.62	5,816.85	3,128.96	-1,225.11	3,360.25	1.50	-1.50	0.00
6,900.00	23.51	338.62	5,908.01	3,167.23	-1,240.09	3,401.35	1.50	-1.50	0.00
7,000.00	22.01	338.62	6,000.22	3,203.26	-1,254.20	3,440.04	1.50	-1.50	0.00
7,100.00	20.51	338.62	6,093.41	3,237.03	-1,267.42	3,476.31	1.50	-1.50	0.00
7,200.00	19.01	338.62	6,187.51	3,268.52	-1,279.75	3,510.12	1.50	-1.50	0.00
7,268.00	17.99	338.62	6,252.00	3,288.61	-1,287.62	3,531.70	1.50	-1.50	0.00
<b>MVRD</b>									
7,300.00	17.51	338.62	6,282.47	3,297.70	-1,291.17	3,541.46	1.50	-1.50	0.00
7,400.00	16.01	338.62	6,378.22	3,324.56	-1,301.69	3,570.30	1.50	-1.50	0.00
7,500.00	14.51	338.62	6,474.69	3,349.07	-1,311.29	3,596.63	1.50	-1.50	0.00
7,600.00	13.01	338.62	6,571.82	3,371.23	-1,319.96	3,620.42	1.50	-1.50	0.00
7,700.00	11.51	338.62	6,669.53	3,391.01	-1,327.71	3,641.66	1.50	-1.50	0.00
7,800.00	10.01	338.62	6,767.77	3,408.40	-1,334.52	3,660.34	1.50	-1.50	0.00
7,900.00	8.51	338.62	6,866.46	3,423.39	-1,340.38	3,676.44	1.50	-1.50	0.00
8,000.00	7.01	338.62	6,965.54	3,435.97	-1,345.31	3,689.95	1.50	-1.50	0.00
8,100.00	5.51	338.62	7,064.94	3,446.13	-1,349.29	3,700.86	1.50	-1.50	0.00
8,200.00	4.01	338.62	7,164.59	3,453.86	-1,352.32	3,709.17	1.50	-1.50	0.00
8,300.00	2.51	338.62	7,264.43	3,459.16	-1,354.39	3,714.86	1.50	-1.50	0.00
8,400.00	1.01	338.62	7,364.38	3,462.03	-1,355.51	3,717.94	1.50	-1.50	0.00
8,467.63	0.00	0.00	7,432.00	3,462.59	-1,355.73	3,718.54	1.50	-1.50	0.00
<b>2730.00 hold - KMGAS</b>									
8,500.00	0.00	0.00	7,464.37	3,462.59	-1,355.73	3,718.54	0.00	0.00	0.00
8,600.00	0.00	0.00	7,564.37	3,462.59	-1,355.73	3,718.54	0.00	0.00	0.00
8,700.00	0.00	0.00	7,664.37	3,462.59	-1,355.73	3,718.54	0.00	0.00	0.00
8,800.00	0.00	0.00	7,764.37	3,462.59	-1,355.73	3,718.54	0.00	0.00	0.00
8,900.00	0.00	0.00	7,864.37	3,462.59	-1,355.73	3,718.54	0.00	0.00	0.00
9,000.00	0.00	0.00	7,964.37	3,462.59	-1,355.73	3,718.54	0.00	0.00	0.00

<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well NR 544-36 - Slot NR 544-36
<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 544-36	<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	8,064.37	3,462.59	-1,355.73	3,718.54	0.00	0.00	0.00	
9,200.00	0.00	0.00	8,164.37	3,462.59	-1,355.73	3,718.54	0.00	0.00	0.00	
9,300.00	0.00	0.00	8,264.37	3,462.59	-1,355.73	3,718.54	0.00	0.00	0.00	
9,400.00	0.00	0.00	8,364.37	3,462.59	-1,355.73	3,718.54	0.00	0.00	0.00	
9,500.00	0.00	0.00	8,464.37	3,462.59	-1,355.73	3,718.54	0.00	0.00	0.00	
9,600.00	0.00	0.00	8,564.37	3,462.59	-1,355.73	3,718.54	0.00	0.00	0.00	
9,700.00	0.00	0.00	8,664.37	3,462.59	-1,355.73	3,718.54	0.00	0.00	0.00	
9,800.00	0.00	0.00	8,764.37	3,462.59	-1,355.73	3,718.54	0.00	0.00	0.00	
9,900.00	0.00	0.00	8,864.37	3,462.59	-1,355.73	3,718.54	0.00	0.00	0.00	
10,000.00	0.00	0.00	8,964.37	3,462.59	-1,355.73	3,718.54	0.00	0.00	0.00	
10,100.00	0.00	0.00	9,064.37	3,462.59	-1,355.73	3,718.54	0.00	0.00	0.00	
10,137.63	0.00	0.00	9,102.00	3,462.59	-1,355.73	3,718.54	0.00	0.00	0.00	
<b>CMEO</b>										
10,200.00	0.00	0.00	9,164.37	3,462.59	-1,355.73	3,718.54	0.00	0.00	0.00	
10,300.00	0.00	0.00	9,264.37	3,462.59	-1,355.73	3,718.54	0.00	0.00	0.00	
10,400.00	0.00	0.00	9,364.37	3,462.59	-1,355.73	3,718.54	0.00	0.00	0.00	
10,500.00	0.00	0.00	9,464.37	3,462.59	-1,355.73	3,718.54	0.00	0.00	0.00	
10,600.00	0.00	0.00	9,564.37	3,462.59	-1,355.73	3,718.54	0.00	0.00	0.00	
10,700.00	0.00	0.00	9,664.37	3,462.59	-1,355.73	3,718.54	0.00	0.00	0.00	
10,800.00	0.00	0.00	9,764.37	3,462.59	-1,355.73	3,718.54	0.00	0.00	0.00	
10,900.00	0.00	0.00	9,864.37	3,462.59	-1,355.73	3,718.54	0.00	0.00	0.00	
11,000.00	0.00	0.00	9,964.37	3,462.59	-1,355.73	3,718.54	0.00	0.00	0.00	
11,047.63	0.00	0.00	10,012.00	3,462.59	-1,355.73	3,718.54	0.00	0.00	0.00	
<b>RLNS</b>										
11,100.00	0.00	0.00	10,064.37	3,462.59	-1,355.73	3,718.54	0.00	0.00	0.00	
11,197.63	0.00	0.00	10,162.00	3,462.59	-1,355.73	3,718.54	0.00	0.00	0.00	
<b>TD at 11197.63 - TD</b>										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
NR 544-36 KMV P2 - hit/miss target - Shape	0.00	0.00	7,432.00	3,462.59	-1,355.73	1,639,039.10	2,327,986.40	39.563742	-107.883902	
- plan hits target center - Circle (radius 50.00)										
NR 544-36 PBHL P2 - plan hits target center - Point	0.00	0.00	10,162.00	3,462.59	-1,355.73	1,639,039.10	2,327,986.40	39.563742	-107.883902	

Casing Points						
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")		
1,100.00	1,064.83	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 544-36 - Slot NR 544-36
<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 544-36	<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 (°)	
4,095.21	3,552.00	Wasatch G		0.00		
6,570.60	5,612.00	LWSTC		0.00		
7,268.00	6,252.00	MVRD		0.00		
8,467.63	7,432.00	KMVGAS		0.00		
10,137.63	9,102.00	CMEO		0.00		
11,047.63	10,012.00	RLNS		0.00		
11,197.63	10,162.00	TD		0.00		

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
180.00	180.00	0.00	0.00	Build 3.00	
1,316.10	1,250.28	305.48	-119.61	4879.32 hold	
6,195.42	5,291.45	2,851.62	-1,116.52	Drop -1.50	
8,467.63	7,432.00	3,462.59	-1,355.73	2730.00 hold	
11,197.63	10,162.00	3,462.59	-1,355.73	TD at 11197.63	