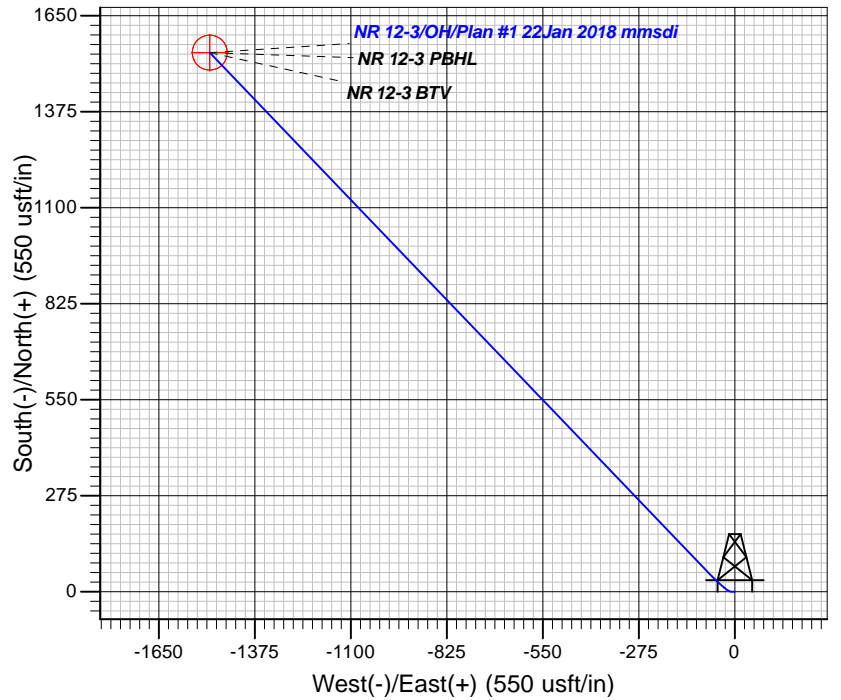
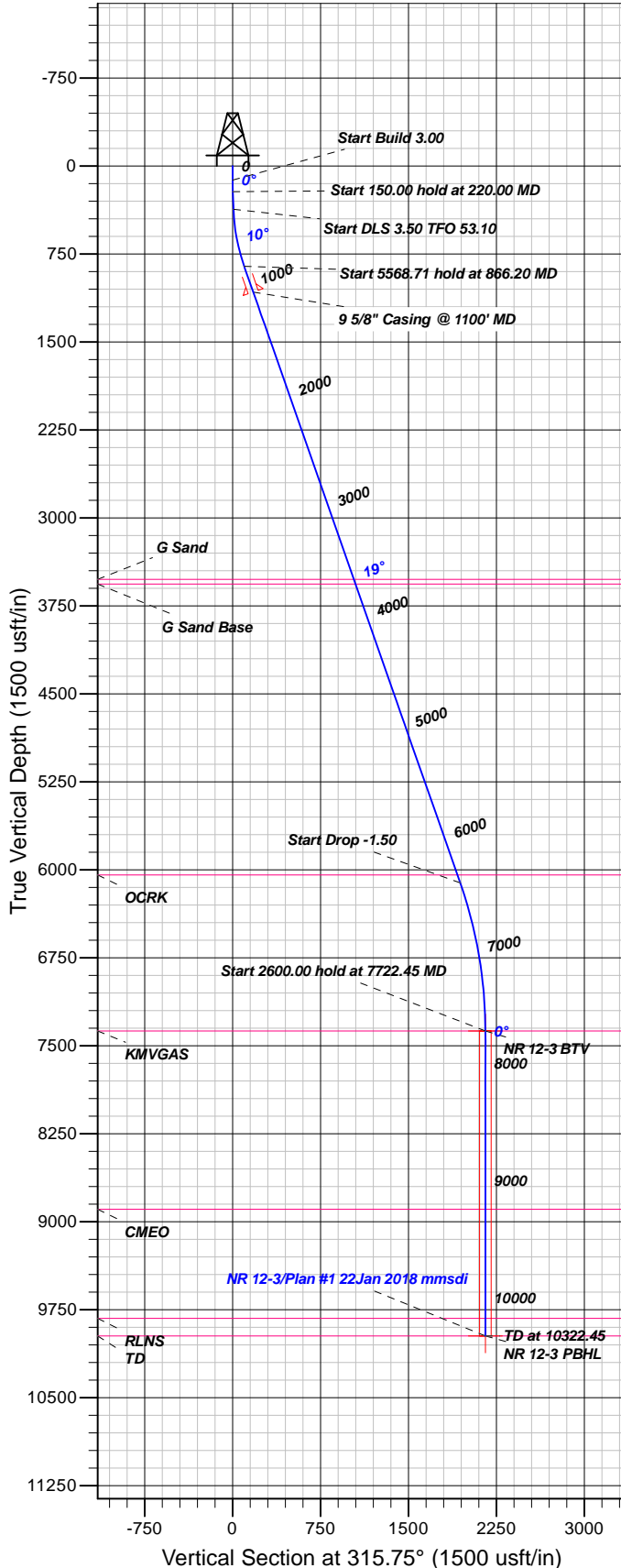


## Well Details: NR 12-3

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	1634928.61	2329739.74	39.5525871	-107.8773034	NR 12-3 (A6)



## FORMATION TOP DETAILS

TVDPATH	MDPATH	FORMATION
3524.00	3693.96	G Sand
3564.00	3736.34	G Sand Base
6044.00	6364.23	OCRK
7374.00	7722.45	KMGAS
8894.00	9242.45	CMEO
9824.00	10172.45	RLNS
9974.00	10322.45	TD

Plan: Plan #1 22Jan 2018 mmsdi

21:35, February 07 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
1076.01	1100.00	5/8" Casing @ 1100' 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	120.00	0.00	0.00	120.00	0.00	0.00	0.00	0.00	0.00	
3	220.00	3.00	270.00	219.95	0.00	-2.62	3.00	270.00	1.83	
4	370.00	3.00	270.00	369.75	0.00	-10.47	0.00	0.00	7.30	
5	866.20	19.31	316.20	855.37	59.68	-80.78	3.50	53.10	99.12	
6	6434.91	19.31	316.20	6110.71	1389.01	-1355.49	0.00	0.00	0.00	1940.80
7	7722.45	0.00	0.00	7374.00	1544.16	-1504.26	1.50	180.00	2155.74	NR 12-3 BTM
8	10322.45	0.00	0.00	9974.00	1544.16	-1504.26	0.00	0.00	2155.74	NR 12-3 PBHL

## DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
NR 12-3 BTM	7374.00	1544.16	-1504.26	1636511.60	2328276.40	39.5568263	-107.8826384	Circle (Radius: 50.00)
- plan hits target center								
NR 12-3 PBHL	9974.00	1544.16	-1504.26	1636511.60	2328276.40	39.5568263	-107.8826384	Point
- plan hits target center								



# **TEP Rocky Mountain LLC**

**Garfield County, CO NAD83**

**NR 23-3 Pad**

**NR 12-3 - Slot NR 12-3 (A6)**

**OH**

**Plan: Plan #1 22Jan 2018 mmsdi**

## **Standard Planning Report**

**07 February, 2018**



<b>Database:</b>	Grand Junction District	<b>Local Co-ordinate Reference:</b>	Well NR 12-3 - Slot NR 12-3 (A6)
<b>Company:</b>	TEP Rocky Mountain LLC	<b>TVD Reference:</b>	GL 6720' & RKB 24' @ 6744.00usft
<b>Project:</b>	Garfield County, CO NAD83	<b>MD Reference:</b>	GL 6720' & RKB 24' @ 6744.00usft
<b>Site:</b>	NR 23-3 Pad	<b>North Reference:</b>	True
<b>Well:</b>	NR 12-3	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #1 22Jan 2018 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>	NR 23-3 Pad			
<b>Site Position:</b>		<b>Northing:</b>	1,634,904.55 usft	<b>Latitude:</b> 39.5525224
<b>From:</b> Map		<b>Easting:</b>	2,329,757.66 usft	<b>Longitude:</b> -107.8772377
<b>Position Uncertainty:</b>	0.00 usft	<b>Slot Radius:</b>	13.20 in	<b>Grid Convergence:</b> -1.50 °

<b>Well</b>	NR 12-3 - Slot NR 12-3 (A6)			
<b>Well Position</b>	<b>+N/-S</b>	23.58 usft	<b>Northing:</b>	1,634,928.61 usft
	<b>+E/-W</b>	-18.54 usft	<b>Easting:</b>	2,329,739.74 usft
<b>Position Uncertainty</b>		0.00 usft	<b>Wellhead Elevation:</b>	0.00 usft
			<b>Ground Level:</b>	6,720.00 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	1/17/2018	9.50	65.82	51,615

<b>Design</b>	Plan #1 22Jan 2018 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	315.75

<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	
220.00	3.00	270.00	219.95	0.00	-2.62	3.00	3.00	0.00	270.00	
370.00	3.00	270.00	369.75	0.00	-10.47	0.00	0.00	0.00	0.00	
866.20	19.31	316.20	855.37	59.68	-80.78	3.50	3.29	9.31	53.10	
6,434.91	19.31	316.20	6,110.71	1,389.01	-1,355.49	0.00	0.00	0.00	0.00	
7,722.45	0.00	0.00	7,374.00	1,544.16	-1,504.26	1.50	-1.50	0.00	180.00	NR 12-3 BTV
10,322.45	0.00	0.00	9,974.00	1,544.16	-1,504.26	0.00	0.00	0.00	0.00	NR 12-3 PBHL

<b>Database:</b>	Grand Junction District	<b>Local Co-ordinate Reference:</b>	Well NR 12-3 - Slot NR 12-3 (A6)
<b>Company:</b>	TEP Rocky Mountain LLC	<b>TVD Reference:</b>	GL 6720' & RKB 24' @ 6744.00usft
<b>Project:</b>	Garfield County, CO NAD83	<b>MD Reference:</b>	GL 6720' & RKB 24' @ 6744.00usft
<b>Site:</b>	NR 23-3 Pad	<b>North Reference:</b>	True
<b>Well:</b>	NR 12-3	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #1 22Jan 2018 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
120.00	0.00	0.00	120.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Start Build 3.00</b>									
200.00	2.40	270.00	199.98	0.00	-1.68	1.17	3.00	3.00	0.00
220.00	3.00	270.00	219.95	0.00	-2.62	1.83	3.00	3.00	0.00
<b>Start 150.00 hold at 220.00 MD</b>									
300.00	3.00	270.00	299.84	0.00	-6.80	4.75	0.00	0.00	0.00
370.00	3.00	270.00	369.75	0.00	-10.47	7.30	0.00	0.00	0.00
<b>Start DLS 3.50 TFO 53.10</b>									
400.00	3.73	283.03	399.70	0.22	-12.20	8.67	3.50	2.42	43.44
500.00	6.79	302.46	499.27	4.13	-20.36	17.16	3.50	3.06	19.43
600.00	10.14	309.52	598.17	12.90	-32.14	31.67	3.50	3.35	7.06
700.00	13.56	313.07	696.03	26.51	-47.50	52.13	3.50	3.42	3.55
800.00	17.02	315.20	792.47	44.91	-66.38	78.48	3.50	3.46	2.13
866.20	19.31	316.20	855.37	59.68	-80.78	99.12	3.50	3.47	1.51
<b>Start 5568.71 hold at 866.20 MD</b>									
900.00	19.31	316.20	887.27	67.75	-88.52	110.30	0.00	0.00	0.00
1,000.00	19.31	316.20	981.64	91.62	-111.41	143.37	0.00	0.00	0.00
1,100.00	19.31	316.20	1,076.01	115.49	-134.30	176.44	0.00	0.00	0.00
<b>9 5/8" Casing @ 1100' MD</b>									
1,200.00	19.31	316.20	1,170.39	139.37	-157.19	209.51	0.00	0.00	0.00
1,300.00	19.31	316.20	1,264.76	163.24	-180.08	242.59	0.00	0.00	0.00
1,400.00	19.31	316.20	1,359.13	187.11	-202.97	275.66	0.00	0.00	0.00
1,500.00	19.31	316.20	1,453.50	210.98	-225.86	308.73	0.00	0.00	0.00
1,600.00	19.31	316.20	1,547.88	234.85	-248.75	341.80	0.00	0.00	0.00
1,700.00	19.31	316.20	1,642.25	258.72	-271.64	374.87	0.00	0.00	0.00
1,800.00	19.31	316.20	1,736.62	282.59	-294.53	407.95	0.00	0.00	0.00
1,900.00	19.31	316.20	1,830.99	306.46	-317.42	441.02	0.00	0.00	0.00
2,000.00	19.31	316.20	1,925.37	330.34	-340.31	474.09	0.00	0.00	0.00
2,100.00	19.31	316.20	2,019.74	354.21	-363.21	507.16	0.00	0.00	0.00
2,200.00	19.31	316.20	2,114.11	378.08	-386.10	540.23	0.00	0.00	0.00
2,300.00	19.31	316.20	2,208.49	401.95	-408.99	573.30	0.00	0.00	0.00
2,400.00	19.31	316.20	2,302.86	425.82	-431.88	606.38	0.00	0.00	0.00
2,500.00	19.31	316.20	2,397.23	449.69	-454.77	639.45	0.00	0.00	0.00
2,600.00	19.31	316.20	2,491.60	473.56	-477.66	672.52	0.00	0.00	0.00
2,700.00	19.31	316.20	2,585.98	497.44	-500.55	705.59	0.00	0.00	0.00
2,800.00	19.31	316.20	2,680.35	521.31	-523.44	738.66	0.00	0.00	0.00
2,900.00	19.31	316.20	2,774.72	545.18	-546.33	771.74	0.00	0.00	0.00
3,000.00	19.31	316.20	2,869.09	569.05	-569.22	804.81	0.00	0.00	0.00
3,100.00	19.31	316.20	2,963.47	592.92	-592.11	837.88	0.00	0.00	0.00
3,200.00	19.31	316.20	3,057.84	616.79	-615.00	870.95	0.00	0.00	0.00
3,300.00	19.31	316.20	3,152.21	640.66	-637.89	904.02	0.00	0.00	0.00
3,400.00	19.31	316.20	3,246.58	664.54	-660.78	937.09	0.00	0.00	0.00
3,500.00	19.31	316.20	3,340.96	688.41	-683.67	970.17	0.00	0.00	0.00
3,600.00	19.31	316.20	3,435.33	712.28	-706.56	1,003.24	0.00	0.00	0.00
3,693.96	19.31	316.20	3,524.00	734.71	-728.07	1,034.31	0.00	0.00	0.00
<b>G Sand</b>									
3,700.00	19.31	316.20	3,529.70	736.15	-729.45	1,036.31	0.00	0.00	0.00
3,736.34	19.31	316.20	3,564.00	744.83	-737.77	1,048.33	0.00	0.00	0.00
<b>G Sand Base</b>									
3,800.00	19.31	316.20	3,624.07	760.02	-752.34	1,069.38	0.00	0.00	0.00
3,900.00	19.31	316.20	3,718.45	783.89	-775.23	1,102.45	0.00	0.00	0.00

<b>Database:</b>	Grand Junction District	<b>Local Co-ordinate Reference:</b>	Well NR 12-3 - Slot NR 12-3 (A6)
<b>Company:</b>	TEP Rocky Mountain LLC	<b>TVD Reference:</b>	GL 6720' & RKB 24' @ 6744.00usft
<b>Project:</b>	Garfield County, CO NAD83	<b>MD Reference:</b>	GL 6720' & RKB 24' @ 6744.00usft
<b>Site:</b>	NR 23-3 Pad	<b>North Reference:</b>	True
<b>Well:</b>	NR 12-3	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #1 22Jan 2018 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)
4,000.00	19.31	316.20	3,812.82	807.76	-798.12	1,135.53	0.00	0.00	0.00
4,100.00	19.31	316.20	3,907.19	831.64	-821.01	1,168.60	0.00	0.00	0.00
4,200.00	19.31	316.20	4,001.56	855.51	-843.90	1,201.67	0.00	0.00	0.00
4,300.00	19.31	316.20	4,095.94	879.38	-866.80	1,234.74	0.00	0.00	0.00
4,400.00	19.31	316.20	4,190.31	903.25	-889.69	1,267.81	0.00	0.00	0.00
4,500.00	19.31	316.20	4,284.68	927.12	-912.58	1,300.89	0.00	0.00	0.00
4,600.00	19.31	316.20	4,379.05	950.99	-935.47	1,333.96	0.00	0.00	0.00
4,700.00	19.31	316.20	4,473.43	974.86	-958.36	1,367.03	0.00	0.00	0.00
4,800.00	19.31	316.20	4,567.80	998.73	-981.25	1,400.10	0.00	0.00	0.00
4,900.00	19.31	316.20	4,662.17	1,022.61	-1,004.14	1,433.17	0.00	0.00	0.00
5,000.00	19.31	316.20	4,756.54	1,046.48	-1,027.03	1,466.24	0.00	0.00	0.00
5,100.00	19.31	316.20	4,850.92	1,070.35	-1,049.92	1,499.32	0.00	0.00	0.00
5,200.00	19.31	316.20	4,945.29	1,094.22	-1,072.81	1,532.39	0.00	0.00	0.00
5,300.00	19.31	316.20	5,039.66	1,118.09	-1,095.70	1,565.46	0.00	0.00	0.00
5,400.00	19.31	316.20	5,134.04	1,141.96	-1,118.59	1,598.53	0.00	0.00	0.00
5,500.00	19.31	316.20	5,228.41	1,165.83	-1,141.48	1,631.60	0.00	0.00	0.00
5,600.00	19.31	316.20	5,322.78	1,189.71	-1,164.37	1,664.68	0.00	0.00	0.00
5,700.00	19.31	316.20	5,417.15	1,213.58	-1,187.26	1,697.75	0.00	0.00	0.00
5,800.00	19.31	316.20	5,511.53	1,237.45	-1,210.15	1,730.82	0.00	0.00	0.00
5,900.00	19.31	316.20	5,605.90	1,261.32	-1,233.04	1,763.89	0.00	0.00	0.00
6,000.00	19.31	316.20	5,700.27	1,285.19	-1,255.93	1,796.96	0.00	0.00	0.00
6,100.00	19.31	316.20	5,794.64	1,309.06	-1,278.82	1,830.03	0.00	0.00	0.00
6,200.00	19.31	316.20	5,889.02	1,332.93	-1,301.71	1,863.11	0.00	0.00	0.00
6,300.00	19.31	316.20	5,983.39	1,356.81	-1,324.60	1,896.18	0.00	0.00	0.00
6,364.23	19.31	316.20	6,044.00	1,372.14	-1,339.31	1,917.42	0.00	0.00	0.00
<b>OCRK</b>									
6,400.00	19.31	316.20	6,077.76	1,380.68	-1,347.49	1,929.25	0.00	0.00	0.00
6,434.91	19.31	316.20	6,110.71	1,389.01	-1,355.49	1,940.80	0.00	0.00	0.00
<b>Start Drop -1.50</b>									
6,500.00	18.34	316.20	6,172.31	1,404.17	-1,370.02	1,961.80	1.50	-1.50	0.00
6,600.00	16.84	316.20	6,267.64	1,425.98	-1,390.93	1,992.01	1.50	-1.50	0.00
6,700.00	15.34	316.20	6,363.72	1,445.98	-1,410.11	2,019.72	1.50	-1.50	0.00
6,800.00	13.84	316.20	6,460.49	1,464.15	-1,427.54	2,044.90	1.50	-1.50	0.00
6,900.00	12.34	316.20	6,557.89	1,480.50	-1,443.21	2,067.54	1.50	-1.50	0.00
7,000.00	10.84	316.20	6,655.85	1,494.99	-1,457.11	2,087.63	1.50	-1.50	0.00
7,100.00	9.34	316.20	6,754.30	1,507.63	-1,469.23	2,105.14	1.50	-1.50	0.00
7,200.00	7.84	316.20	6,853.18	1,518.41	-1,479.57	2,120.07	1.50	-1.50	0.00
7,300.00	6.34	316.20	6,952.41	1,527.32	-1,488.11	2,132.41	1.50	-1.50	0.00
7,400.00	4.84	316.20	7,051.94	1,534.34	-1,494.84	2,142.14	1.50	-1.50	0.00
7,500.00	3.34	316.20	7,151.68	1,539.49	-1,499.78	2,149.27	1.50	-1.50	0.00
7,600.00	1.84	316.20	7,251.57	1,542.74	-1,502.90	2,153.78	1.50	-1.50	0.00
7,700.00	0.34	316.20	7,351.55	1,544.11	-1,504.21	2,155.68	1.50	-1.50	0.00
7,722.45	0.00	0.00	7,374.00	1,544.16	-1,504.26	2,155.74	1.50	-1.50	0.00
<b>Start 2600.00 hold at 7722.45 MD - KMGAS - NR 12-3 BTW</b>									
7,800.00	0.00	0.00	7,451.55	1,544.16	-1,504.26	2,155.74	0.00	0.00	0.00
7,900.00	0.00	0.00	7,551.55	1,544.16	-1,504.26	2,155.74	0.00	0.00	0.00
8,000.00	0.00	0.00	7,651.55	1,544.16	-1,504.26	2,155.74	0.00	0.00	0.00
8,100.00	0.00	0.00	7,751.55	1,544.16	-1,504.26	2,155.74	0.00	0.00	0.00
8,200.00	0.00	0.00	7,851.55	1,544.16	-1,504.26	2,155.74	0.00	0.00	0.00
8,300.00	0.00	0.00	7,951.55	1,544.16	-1,504.26	2,155.74	0.00	0.00	0.00
8,400.00	0.00	0.00	8,051.55	1,544.16	-1,504.26	2,155.74	0.00	0.00	0.00
8,500.00	0.00	0.00	8,151.55	1,544.16	-1,504.26	2,155.74	0.00	0.00	0.00
8,600.00	0.00	0.00	8,251.55	1,544.16	-1,504.26	2,155.74	0.00	0.00	0.00

<b>Database:</b>	Grand Junction District	<b>Local Co-ordinate Reference:</b>	Well NR 12-3 - Slot NR 12-3 (A6)
<b>Company:</b>	TEP Rocky Mountain LLC	<b>TVD Reference:</b>	GL 6720' & RKB 24' @ 6744.00usft
<b>Project:</b>	Garfield County, CO NAD83	<b>MD Reference:</b>	GL 6720' & RKB 24' @ 6744.00usft
<b>Site:</b>	NR 23-3 Pad	<b>North Reference:</b>	True
<b>Well:</b>	NR 12-3	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #1 22Jan 2018 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)
8,700.00	0.00	0.00	8,351.55	1,544.16	-1,504.26	2,155.74	0.00	0.00	0.00
8,800.00	0.00	0.00	8,451.55	1,544.16	-1,504.26	2,155.74	0.00	0.00	0.00
8,900.00	0.00	0.00	8,551.55	1,544.16	-1,504.26	2,155.74	0.00	0.00	0.00
9,000.00	0.00	0.00	8,651.55	1,544.16	-1,504.26	2,155.74	0.00	0.00	0.00
9,100.00	0.00	0.00	8,751.55	1,544.16	-1,504.26	2,155.74	0.00	0.00	0.00
9,200.00	0.00	0.00	8,851.55	1,544.16	-1,504.26	2,155.74	0.00	0.00	0.00
9,242.45	0.00	0.00	8,894.00	1,544.16	-1,504.26	2,155.74	0.00	0.00	0.00
CMEO									
9,300.00	0.00	0.00	8,951.55	1,544.16	-1,504.26	2,155.74	0.00	0.00	0.00
9,400.00	0.00	0.00	9,051.55	1,544.16	-1,504.26	2,155.74	0.00	0.00	0.00
9,500.00	0.00	0.00	9,151.55	1,544.16	-1,504.26	2,155.74	0.00	0.00	0.00
9,600.00	0.00	0.00	9,251.55	1,544.16	-1,504.26	2,155.74	0.00	0.00	0.00
9,700.00	0.00	0.00	9,351.55	1,544.16	-1,504.26	2,155.74	0.00	0.00	0.00
9,800.00	0.00	0.00	9,451.55	1,544.16	-1,504.26	2,155.74	0.00	0.00	0.00
9,900.00	0.00	0.00	9,551.55	1,544.16	-1,504.26	2,155.74	0.00	0.00	0.00
10,000.00	0.00	0.00	9,651.55	1,544.16	-1,504.26	2,155.74	0.00	0.00	0.00
10,100.00	0.00	0.00	9,751.55	1,544.16	-1,504.26	2,155.74	0.00	0.00	0.00
10,172.45	0.00	0.00	9,824.00	1,544.16	-1,504.26	2,155.74	0.00	0.00	0.00
RLNS									
10,200.00	0.00	0.00	9,851.55	1,544.16	-1,504.26	2,155.74	0.00	0.00	0.00
10,300.00	0.00	0.00	9,951.55	1,544.16	-1,504.26	2,155.74	0.00	0.00	0.00
10,322.45	0.00	0.00	9,974.00	1,544.16	-1,504.26	2,155.74	0.00	0.00	0.00
TD at 10322.45 - TD - NR 12-3 PBHL									

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 12-3 BTV	0.00	0.00	7,374.00	1,544.16	-1,504.26	1,636,511.60	2,328,276.40	39.5568263	-107.8826385
- plan hits target center									
- Circle (radius 50.00)									
NR 12-3 PBHL	0.00	0.00	9,974.00	1,544.16	-1,504.26	1,636,511.60	2,328,276.40	39.5568263	-107.8826385
- plan hits target center									
- Point									

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (in)	Hole Diameter (in)	
1,100.00	1,076.01	9 5/8" Casing @ 1100' MD	9.62	13.50	

<b>Database:</b>	Grand Junction District	<b>Local Co-ordinate Reference:</b>	Well NR 12-3 - Slot NR 12-3 (A6)
<b>Company:</b>	TEP Rocky Mountain LLC	<b>TVD Reference:</b>	GL 6720' & RKB 24' @ 6744.00usft
<b>Project:</b>	Garfield County, CO NAD83	<b>MD Reference:</b>	GL 6720' & RKB 24' @ 6744.00usft
<b>Site:</b>	NR 23-3 Pad	<b>North Reference:</b>	True
<b>Well:</b>	NR 12-3	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #1 22Jan 2018 mmsdi		

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
3,693.96	3,524.00	G Sand		0.00	0.00	
3,736.34	3,564.00	G Sand Base		0.00	0.00	
6,364.23	6,044.00	OCRK		0.00	0.00	
7,722.45	7,374.00	KMVGAS		0.00	0.00	
9,242.45	8,894.00	CME0		0.00	0.00	
10,172.45	9,824.00	RLNS		0.00	0.00	
10,322.45	9,974.00	TD		0.00	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	Start Build 3.00	
220.00	219.95	0.00	-2.62	Start 150.00 hold at 220.00 MD	
370.00	369.75	0.00	-10.47	Start DLS 3.50 TFO 53.10	
866.20	855.37	59.68	-80.78	Start 5568.71 hold at 866.20 MD	
6,434.91	6,110.71	1,389.01	-1,355.49	Start Drop -1.50	
7,722.45	7,374.00	1,544.16	-1,504.26	Start 2600.00 hold at 7722.45 MD	
10,322.45	9,974.00	1,544.16	-1,504.26	TD at 10322.45	